

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD012221\  
 Data File : VD068147.D  
 Acq On : 22 Jan 2021 11:17  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 1/26/2021 10:42:26 AM

Quant Time: Jan 22 23:56:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 19 13:19:08 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|--------|--------|----------|
| -----                        |                |      |            |        |        |          |
| Internal Standards           |                |      |            |        |        |          |
| 1) Pentafluorobenzene        | 7.985          | 168  | 431051     | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.867          | 114  | 731012     | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.644         | 117  | 648817     | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.573         | 152  | 291090     | 50.00  | ug/l   | 0.00     |
|                              |                |      |            |        |        |          |
| System Monitoring Compounds  |                |      |            |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.338          | 65   | 192564     | 46.70  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 93.40% |        |          |
| 35) Dibromofluoromethane     | 7.920          | 113  | 197848     | 48.95  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 97.90% |        |          |
| 50) Toluene-d8               | 10.344         | 98   | 736056     | 45.53  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 91.06% |        |          |
| 62) 4-Bromofluorobenzene     | 12.632         | 95   | 268812     | 46.18  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 92.36% |        |          |
|                              |                |      |            |        |        |          |
| Target Compounds             |                |      |            |        |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.991          | 85   | 251110     | 49.04  | ug/l   | 99       |
| 3) Chloromethane             | 2.209          | 50   | 274779     | 49.83  | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.356          | 62   | 322617     | 52.60  | ug/l   | 97       |
| 5) Bromomethane              | 2.773          | 94   | 209977     | 49.92  | ug/l   | 99       |
| 6) Chloroethane              | 2.926          | 64   | 198291     | 52.92  | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 3.279          | 101  | 397635     | 49.39  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.709          | 74   | 118835     | 50.13  | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 4.103          | 101  | 241754     | 51.49  | ug/l   | 94       |
| 10) Methyl Iodide            | 4.309          | 142  | 246268     | 46.96  | ug/l   | 93       |
| 11) Tert butyl alcohol       | 5.220          | 59   | 83893      | 218.34 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 4.073          | 96   | 233187     | 49.38  | ug/l   | 91       |
| 13) Acrolein                 | 3.932          | 56   | 75691      | 232.93 | ug/l   | 99       |
| 14) Allyl chloride           | 4.720          | 41   | 340789     | 49.61  | ug/l   | 96       |
| 15) Acrylonitrile            | 5.420          | 53   | 243329     | 259.15 | ug/l   | 100      |
| 16) Acetone                  | 4.156          | 43   | 218616     | 296.92 | ug/l   | 94       |
| 17) Carbon Disulfide         | 4.415          | 76   | 748409     | 49.21  | ug/l   | 100      |
| 18) Methyl Acetate           | 4.726          | 43   | 100121     | 52.39  | ug/l   | 93       |
| 19) Methyl tert-butyl Ether  | 5.479          | 73   | 543395     | 49.77  | ug/l # | 90       |
| 20) Methylene Chloride       | 4.967          | 84   | 260149     | 50.68  | ug/l   | 90       |
| 21) trans-1,2-Dichloroethene | 5.473          | 96   | 266820     | 49.22  | ug/l   | 88       |
| 22) Diisopropyl ether        | 6.367          | 45   | 698001     | 50.36  | ug/l # | 93       |
| 23) Vinyl Acetate            | 6.309          | 43   | 1927936    | 260.93 | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 6.267          | 63   | 454420     | 50.60  | ug/l   | 99       |
| 25) 2-Butanone               | 7.214          | 43   | 287436     | 259.28 | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 7.214          | 77   | 421236     | 49.57  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.214          | 96   | 294092     | 49.96  | ug/l   | 92       |
| 28) Bromochloromethane       | 7.550          | 49   | 146510     | 47.88  | ug/l # | 76       |
| 29) Tetrahydrofuran          | 7.561          | 42   | 180107     | 250.62 | ug/l   | 93       |
| 30) Chloroform               | 7.714          | 83   | 447597     | 49.32  | ug/l   | 98       |
| 31) Cyclohexane              | 7.991          | 56   | 433763     | 48.58  | ug/l   | 89       |
| 32) 1,1,1-Trichloroethane    | 7.908          | 97   | 414838     | 50.72  | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 8.114          | 75   | 372468     | 50.53  | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.297          | 43   | 134453     | 51.56  | ug/l   | 95       |
| 38) Carbon Tetrachloride     | 8.097          | 117  | 345992     | 50.14  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.355          | 83   | 495560     | 51.42  | ug/l   | 94       |
| 40) Benzene                  | 8.356          | 78   | 1036139    | 50.27  | ug/l   | 96       |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
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MMDadoda  
 1/26/2021 10:42:26 AM

Quant Time: Jan 22 23:56:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 19 13:19:08 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.532  | 41   | 77661    | 49.35  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 8.426  | 62   | 278094   | 50.49  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.456  | 43   | 275202   | 50.64  | ug/l   | 94       |
| 44) Trichloroethene           | 9.114  | 130  | 282839   | 49.97  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.391  | 63   | 253685   | 50.26  | ug/l   | 95       |
| 46) Dibromomethane            | 9.479  | 93   | 131122   | 51.27  | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.667  | 83   | 351358   | 50.91  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.455  | 41   | 137648   | 50.89  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.461  | 88   | 29556    | 986.13 | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone      | 10.232 | 43   | 653878   | 258.85 | ug/l   | 97       |
| 52) Toluene                   | 10.408 | 92   | 667474   | 49.70  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.626 | 75   | 345353   | 49.44  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.091 | 75   | 409240   | 49.22  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.802 | 97   | 181178   | 49.99  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.661 | 69   | 239165   | 49.54  | ug/l # | 93       |
| 57) 1,3-Dichloropropane       | 10.950 | 76   | 326230   | 51.01  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.944  | 63   | 561277   | 251.91 | ug/l   | 92       |
| 59) 2-Hexanone                | 10.985 | 43   | 475241   | 271.41 | ug/l   | 96       |
| 60) Dibromochloromethane      | 11.144 | 129  | 229026   | 50.40  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.249 | 107  | 178734   | 49.98  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.879 | 164  | 228274   | 49.92  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.673 | 112  | 696156   | 50.50  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.744 | 131  | 245757   | 50.68  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.749 | 91   | 1299483  | 50.91  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.855 | 106  | 971423   | 100.81 | ug/l   | 99       |
| 69) o-Xylene                  | 12.185 | 106  | 454020   | 50.73  | ug/l   | 97       |
| 70) Styrene                   | 12.196 | 104  | 771273   | 50.49  | ug/l   | 98       |
| 71) Bromoform                 | 12.361 | 173  | 126251   | 51.37  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.479 | 105  | 1234439  | 50.96  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.291 | 43   | 257696   | 51.18  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 12.732 | 83   | 198670   | 51.57  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.785 | 75   | 127043m  | 45.14  | ug/l   |          |
| 77) Bromobenzene              | 12.761 | 156  | 263162   | 50.68  | ug/l   | 87       |
| 78) n-propylbenzene           | 12.820 | 91   | 1490969  | 52.03  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.908 | 91   | 817938   | 50.84  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 12.961 | 105  | 1026426  | 50.88  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.532 | 75   | 70410    | 50.62  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 13.008 | 91   | 852849   | 50.98  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.226 | 119  | 865840   | 50.65  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.267 | 105  | 1010104  | 50.45  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.402 | 105  | 1238461  | 51.80  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.514 | 119  | 1123664  | 51.67  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.520 | 146  | 508198   | 50.90  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.596 | 146  | 496145   | 50.44  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.843 | 91   | 1091643  | 52.31  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.114 | 117  | 201036   | 51.18  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 13.891 | 146  | 437263   | 51.13  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.508 | 75   | 30041    | 47.64  | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 15.161 | 180  | 298672   | 50.94  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.267 | 225  | 167211   | 51.45  | ug/l   | 98       |
| 95) Naphthalene               | 15.402 | 128  | 568041   | 51.68  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.596 | 180  | 255595   | 51.68  | ug/l   | 98       |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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Manual Integrations  
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Quant Time: Jan 22 23:56:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
 Quant Title : SW846 8260  
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 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
| -----    |      |      |          |      |       |          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

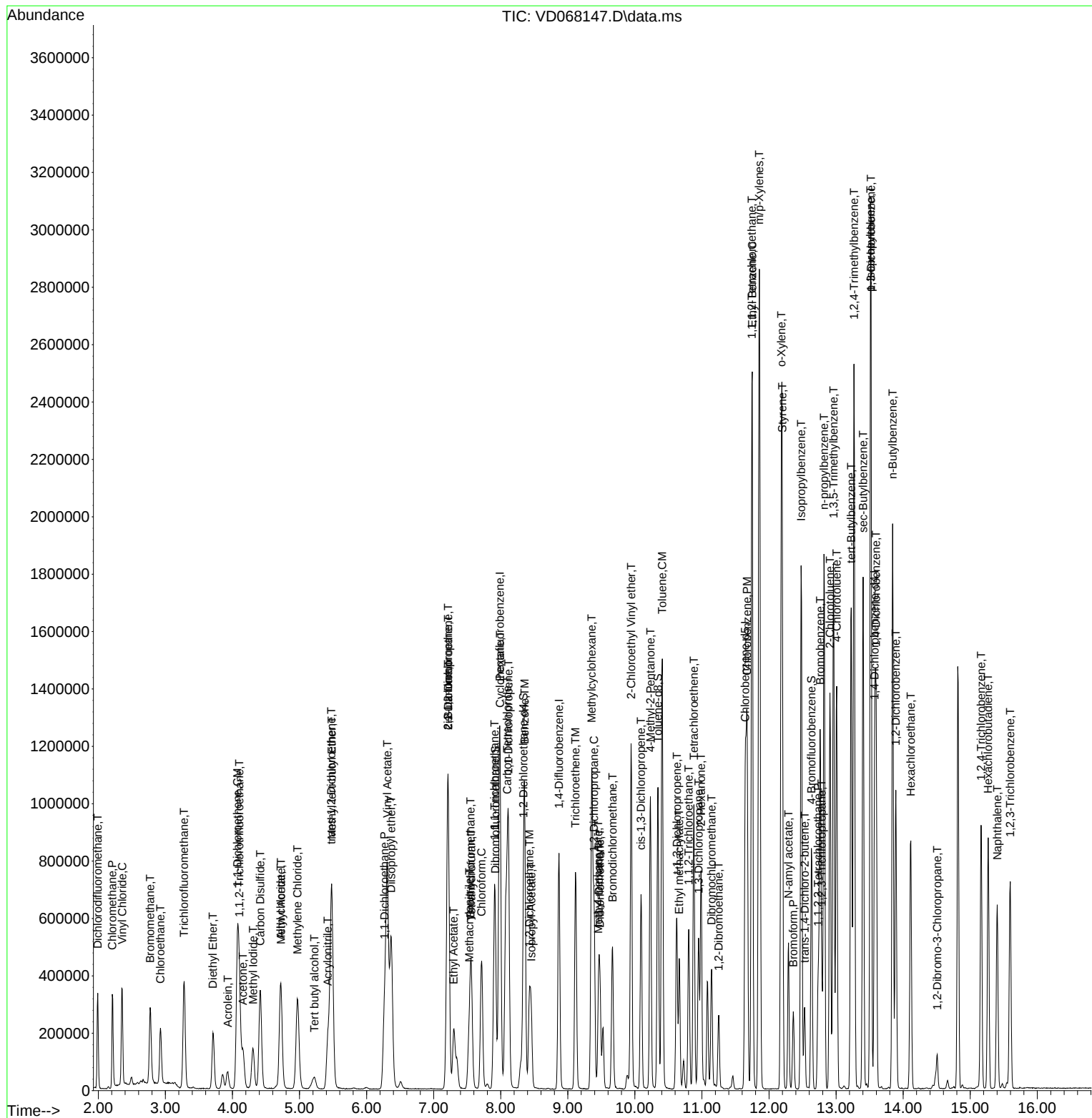
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Data File : VD068147.D  
Acq On : 22 Jan 2021 11:17  
Operator : VA/SY  
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ALS Vial : 2 Sample Multiplier: 1

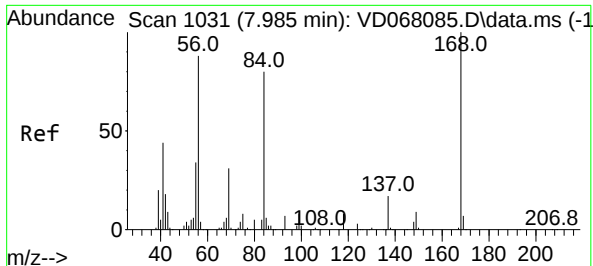
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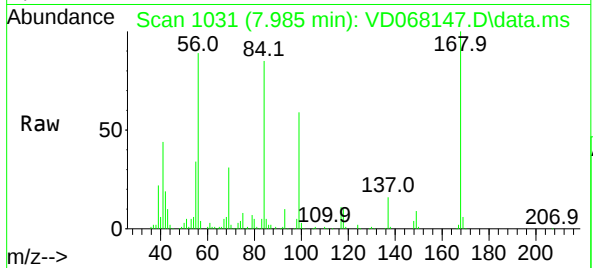
MMDadoda  
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Quant Title : SW846 8260  
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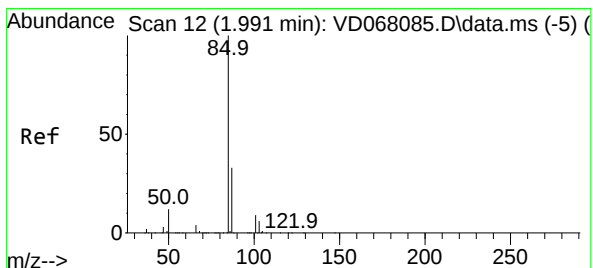
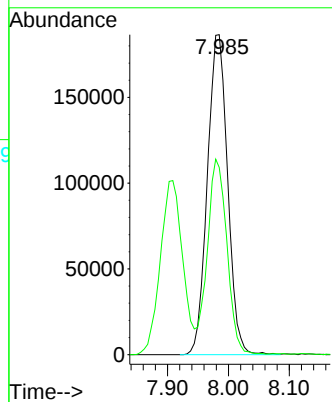
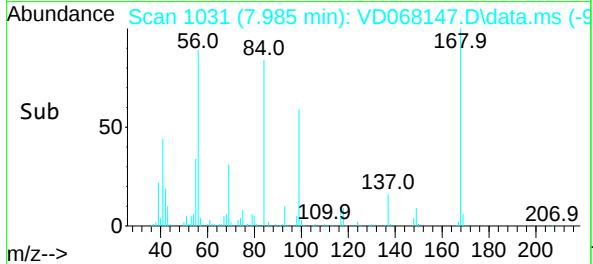




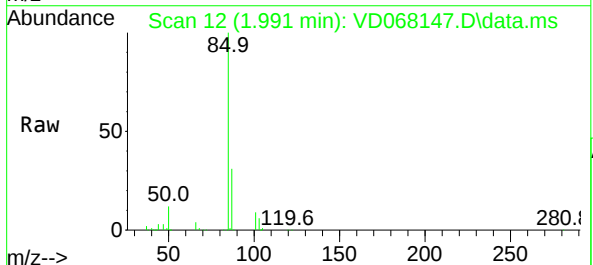
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Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



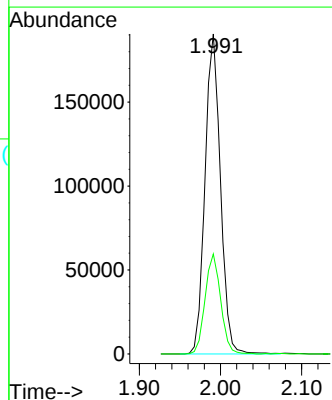
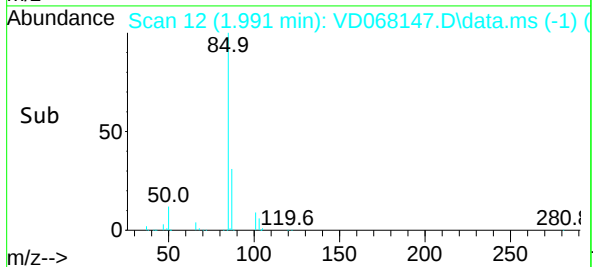
Tgt Ion: 168 Resp: 431051  
Ion Ratio Lower Upper  
168 100  
99 58.3 43.5 65.3



#2  
Dichlorodifluoromethane  
Concen: 49.04 ug/l  
RT: 1.991 min Scan# 12  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



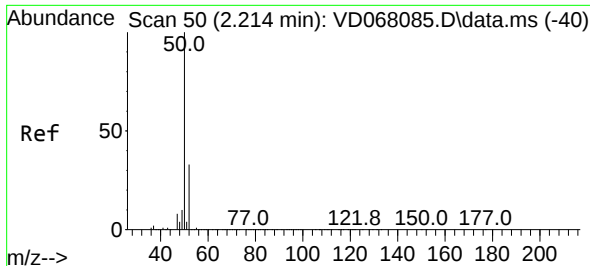
Tgt Ion: 85 Resp: 251110  
Ion Ratio Lower Upper  
85 100  
87 31.2 15.4 46.1



Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

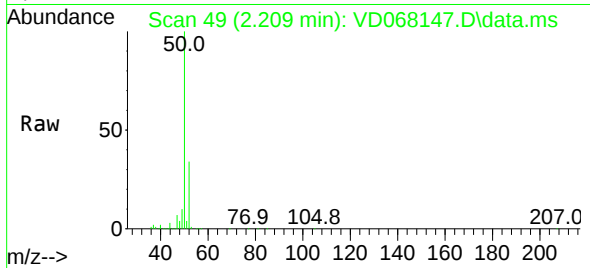
Manual Integrations  
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1/26/2021 10:42:26 AM



#3  
Chloromethane  
Concen: 49.83 ug/l  
RT: 2.209 min Scan# 49  
Delta R.T. -0.005 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

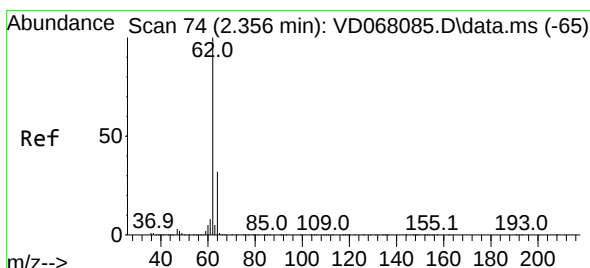
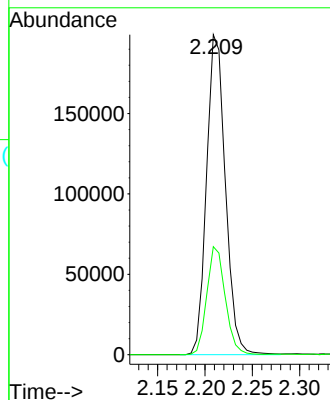
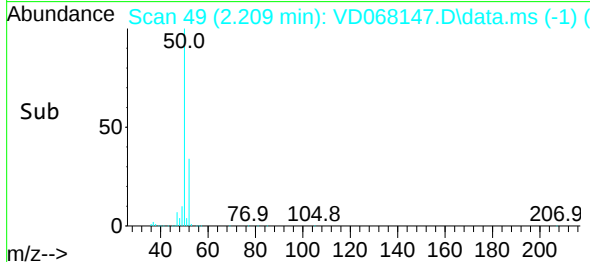
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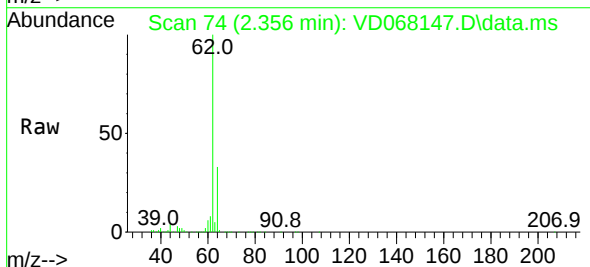
Tgt Ion: 50 Resp: 274779  
Ion Ratio Lower Upper  
50 100  
52 33.7 25.4 38.2

Manual Integrations  
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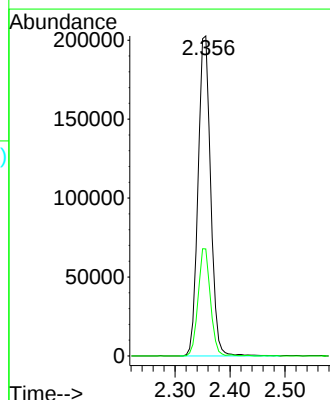
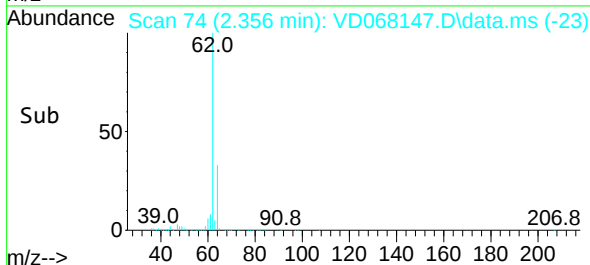
MMDadoda  
1/26/2021 10:42:26 AM



#4  
Vinyl Chloride  
Concen: 52.60 ug/l  
RT: 2.356 min Scan# 74  
Delta R.T. -0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

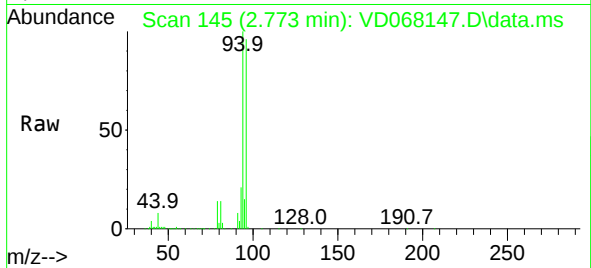


Tgt Ion: 62 Resp: 322617  
Ion Ratio Lower Upper  
62 100  
64 33.4 25.4 38.2

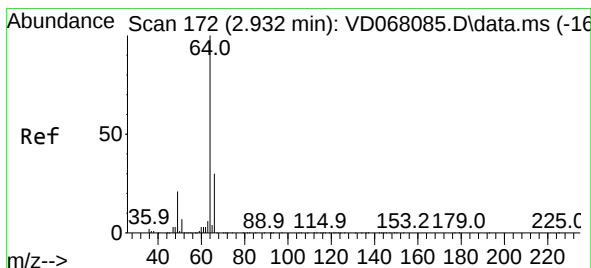
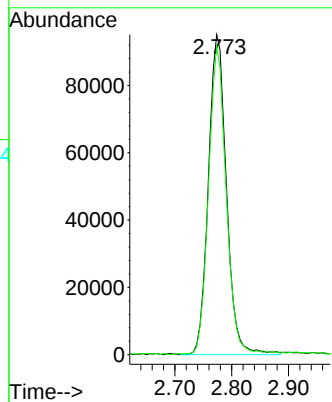
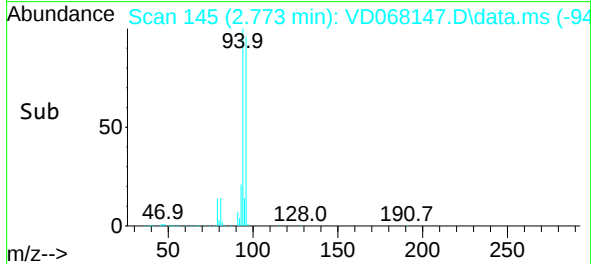




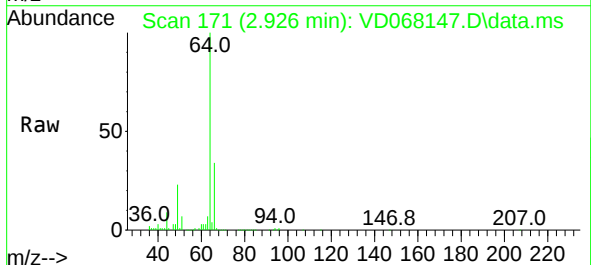
#5  
Bromomethane  
Concen: 49.92 ug/l  
RT: 2.773 min Scan# 145  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



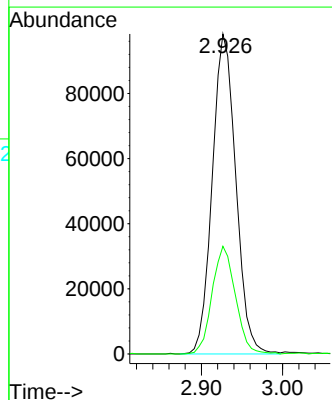
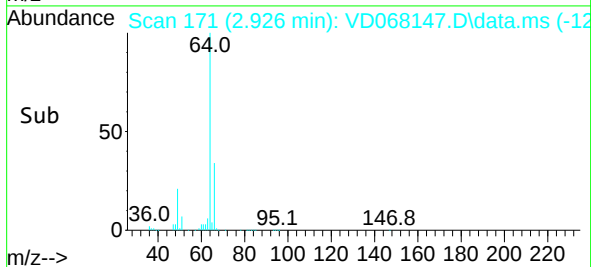
Tgt Ion: 94 Resp: 209977  
Ion Ratio Lower Upper  
94 100  
96 96.0 75.8 113.8



#6  
Chloroethane  
Concen: 52.92 ug/l  
RT: 2.926 min Scan# 171  
Delta R.T. -0.006 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



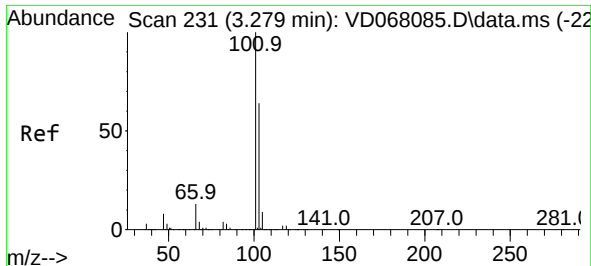
Tgt Ion: 64 Resp: 198291  
Ion Ratio Lower Upper  
64 100  
66 33.7 25.1 37.7



Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

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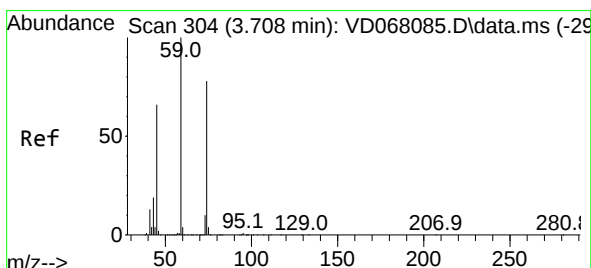
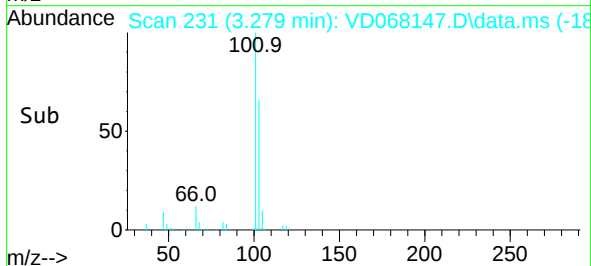
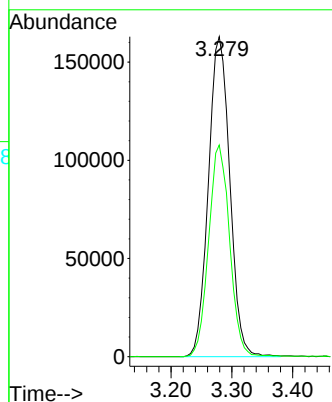
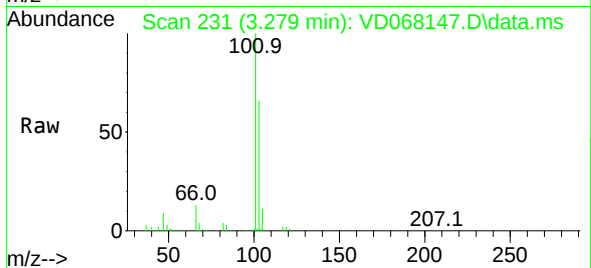
#7  
 Trichlorofluoromethane  
 Concen: 49.39 ug/l  
 RT: 3.279 min Scan# 231  
 Delta R.T. 0.000 min  
 Lab File: VD068147.D  
 Acq: 22 Jan 2021 11:17

Tgt Ion:101 Resp: 397635  
 Ion Ratio Lower Upper  
 101 100  
 103 66.1 52.0 78.0

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

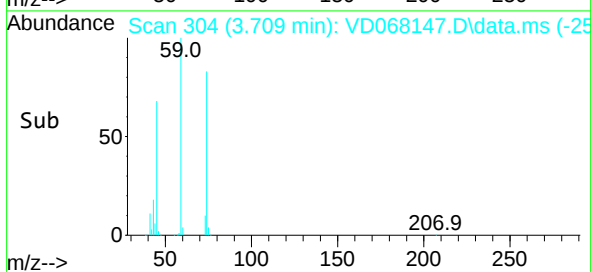
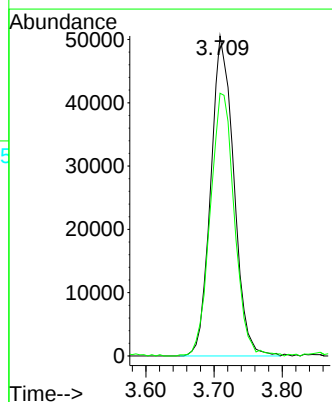
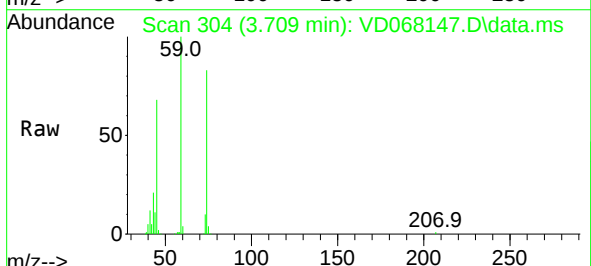
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#8  
 Diethyl Ether  
 Concen: 50.13 ug/l  
 RT: 3.709 min Scan# 304  
 Delta R.T. 0.001 min  
 Lab File: VD068147.D  
 Acq: 22 Jan 2021 11:17

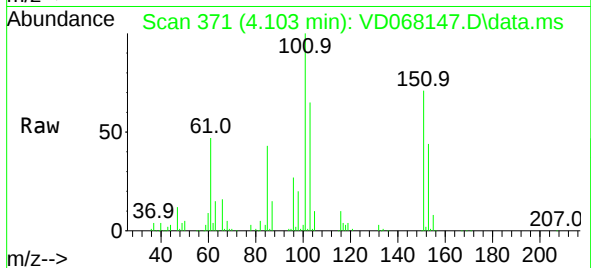
Tgt Ion: 74 Resp: 118835  
 Ion Ratio Lower Upper  
 74 100  
 45 86.1 42.1 126.4





#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 51.49 ug/l  
RT: 4.103 min Scan# 371  
Delta R.T. 0.001 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

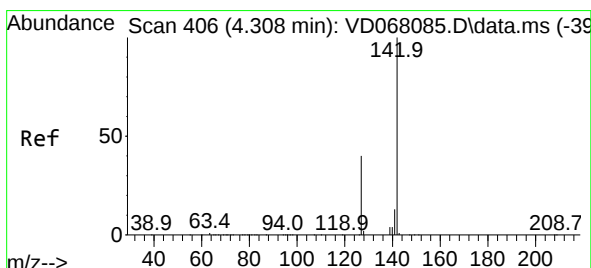
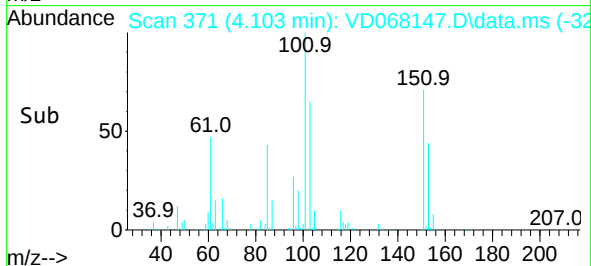
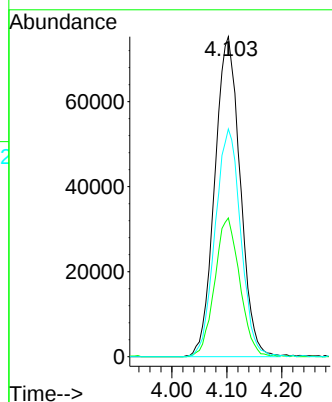
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050



Tgt Ion:101 Resp: 241754  
Ion Ratio Lower Upper  
101 100  
85 42.9 34.0 51.0  
151 71.7 64.1 96.1

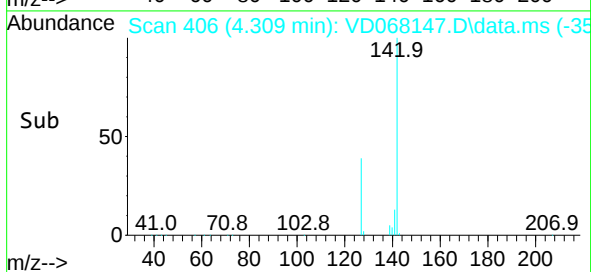
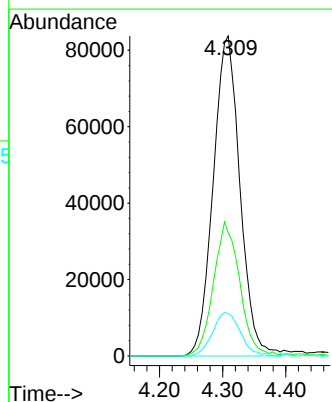
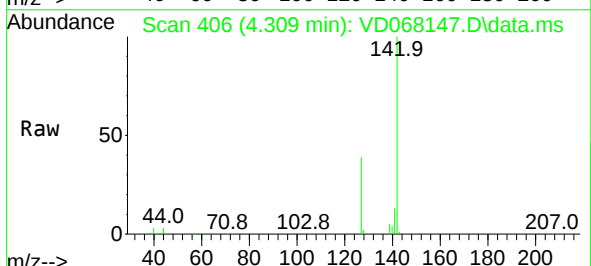
Manual Integrations  
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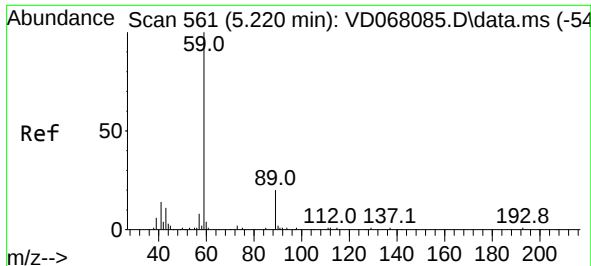
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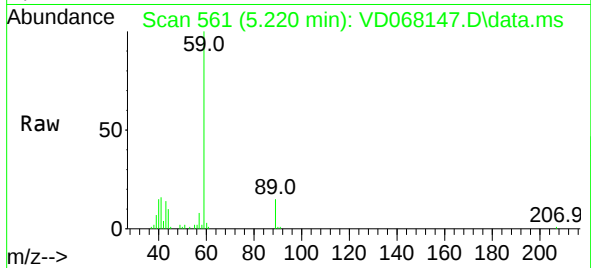
#10  
Methyl Iodide  
Concen: 46.96 ug/l  
RT: 4.309 min Scan# 406  
Delta R.T. 0.001 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion:142 Resp: 246268  
Ion Ratio Lower Upper  
142 100  
127 41.1 37.9 56.9  
141 14.1 11.5 17.3

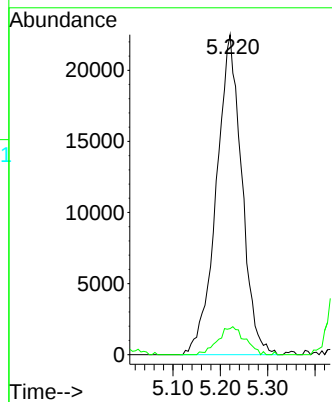
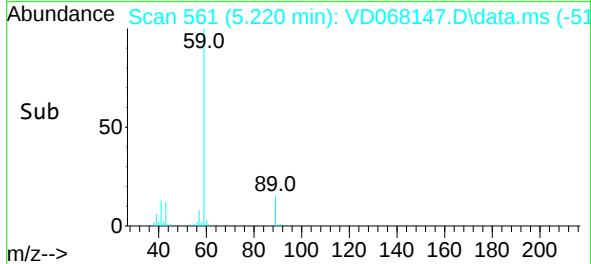




#11  
Tert butyl alcohol  
Concen: 218.34 ug/l  
RT: 5.220 min Scan# 561  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



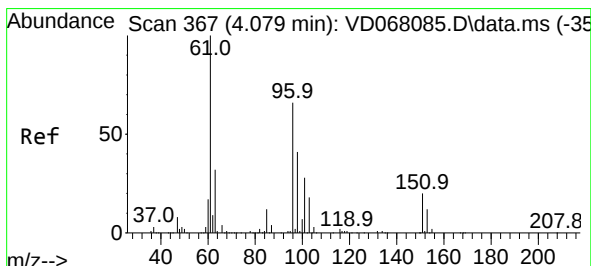
Tgt Ion: 59 Resp: 83893  
Ion Ratio Lower Upper  
59 100  
57 9.3 7.4 11.2



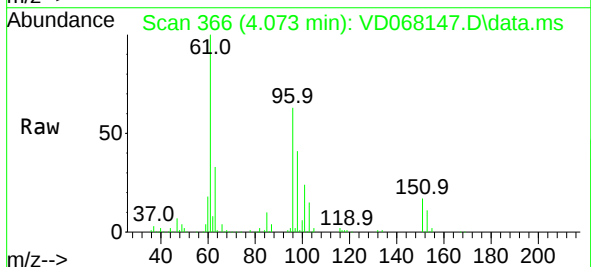
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

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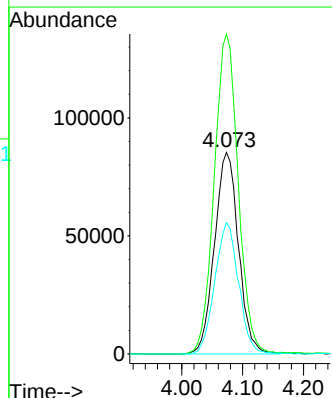
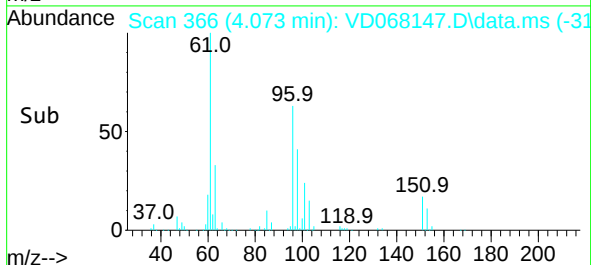
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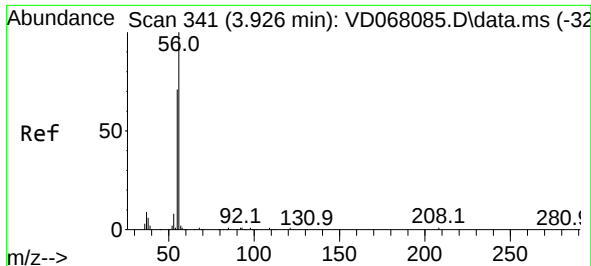


#12  
1,1-Dichloroethene  
Concen: 49.38 ug/l  
RT: 4.073 min Scan# 366  
Delta R.T. -0.006 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



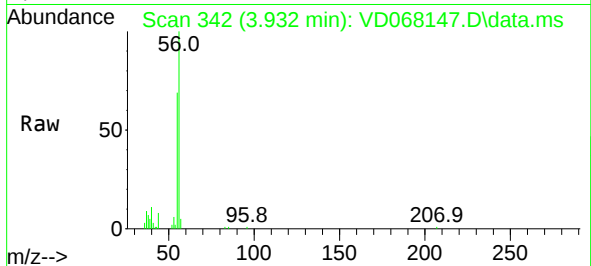
Tgt Ion: 96 Resp: 233187  
Ion Ratio Lower Upper  
96 100  
61 158.7 116.2 174.4  
98 65.2 48.6 73.0





#13  
Acrolein  
Concen: 232.93 ug/l  
RT: 3.932 min Scan# 342  
Delta R.T. 0.006 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

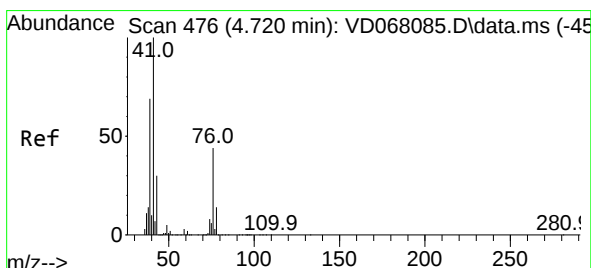
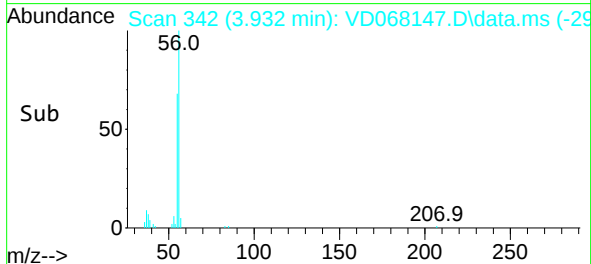
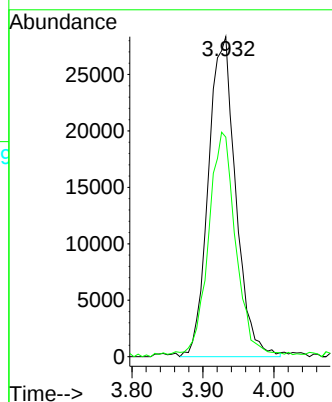
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050



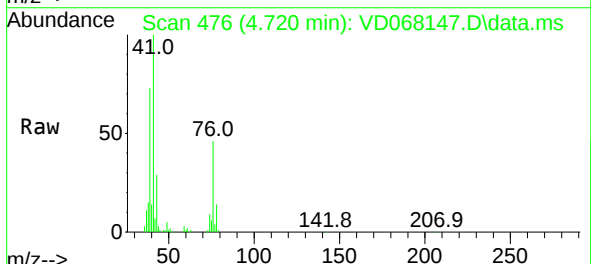
Tgt Ion: 56 Resp: 75691  
Ion Ratio Lower Upper  
56 100  
55 71.4 56.5 84.7

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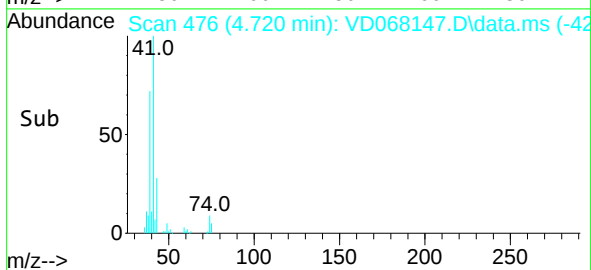
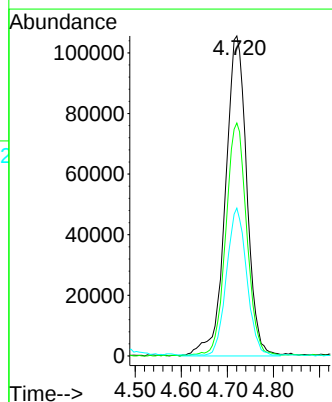
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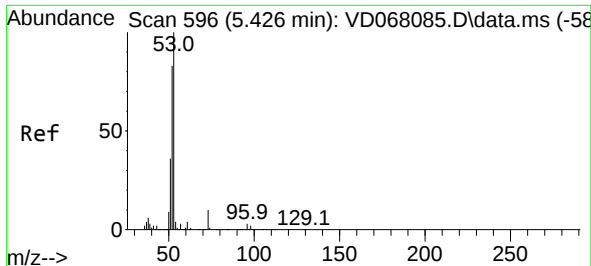


#14  
Allyl chloride  
Concen: 49.61 ug/l  
RT: 4.720 min Scan# 476  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

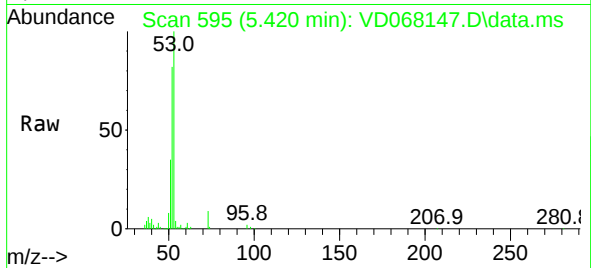


Tgt Ion: 41 Resp: 340789  
Ion Ratio Lower Upper  
41 100  
39 71.3 56.3 84.5  
76 43.0 38.9 58.3

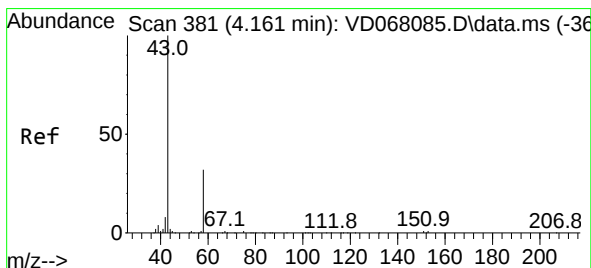
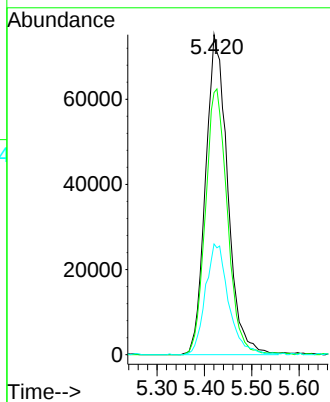
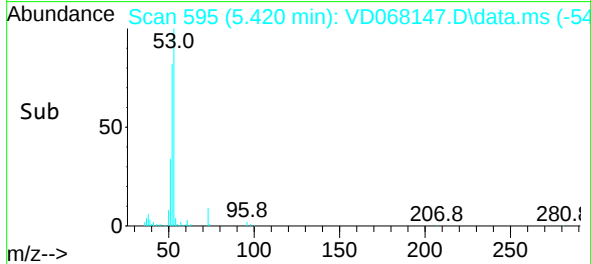




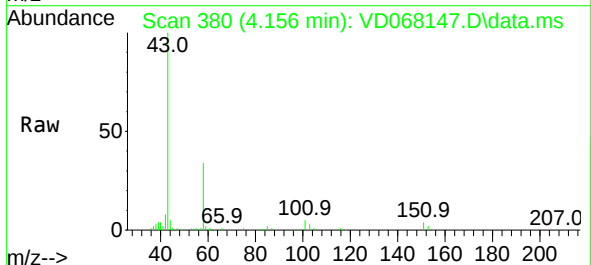
#15  
Acrylonitrile  
Concen: 259.15 ug/l  
RT: 5.420 min Scan# 595  
Delta R.T. -0.006 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



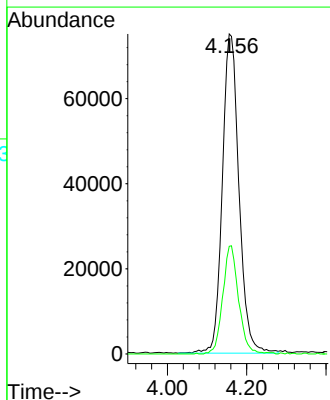
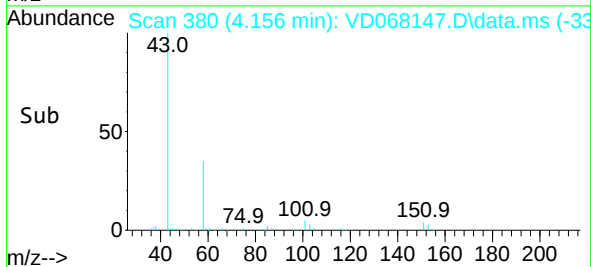
Tgt Ion: 53 Resp: 243329  
Ion Ratio Lower Upper  
53 100  
52 82.5 66.2 99.2  
51 36.3 29.0 43.4



#16  
Acetone  
Concen: 296.92 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. -0.006 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



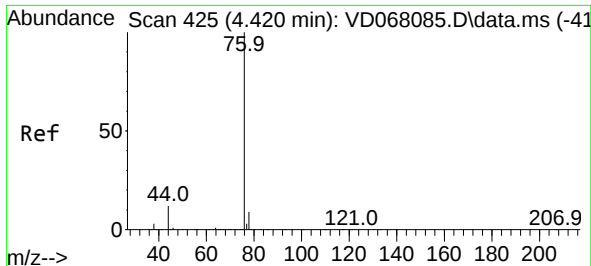
Tgt Ion: 43 Resp: 218616  
Ion Ratio Lower Upper  
43 100  
58 33.7 24.2 36.4



Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

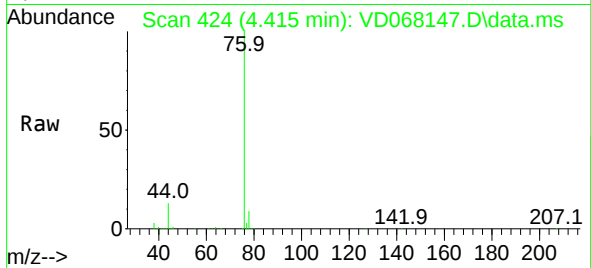
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#17  
Carbon Disulfide  
Concen: 49.21 ug/l  
RT: 4.415 min Scan# 424  
Delta R.T. -0.006 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

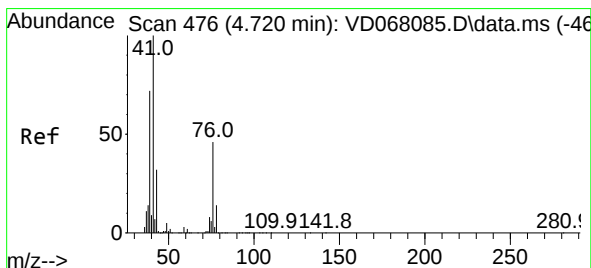
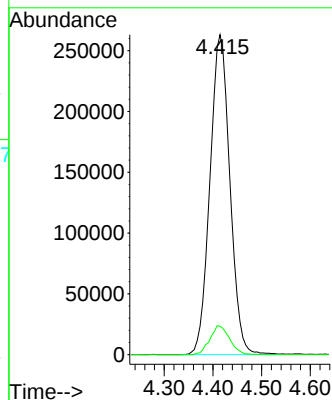
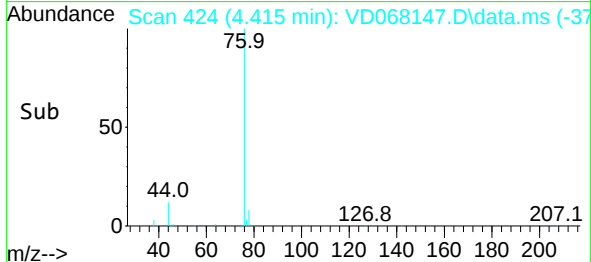
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050



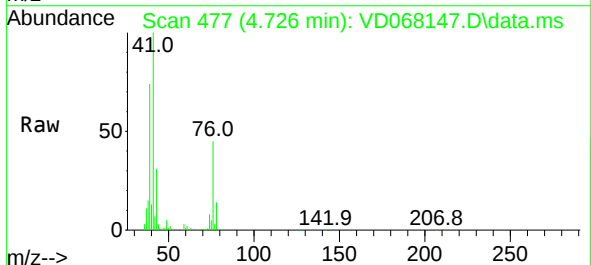
Tgt Ion: 76 Resp: 748409  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.3 10.9

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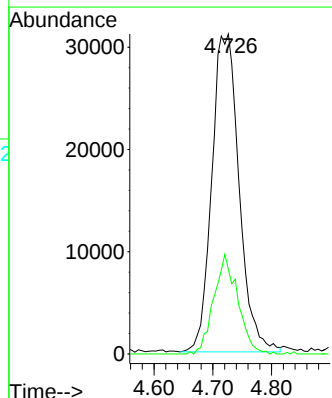
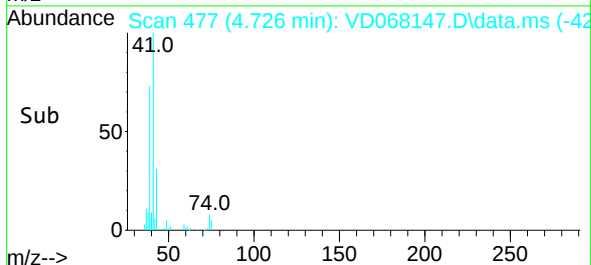
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#18  
Methyl Acetate  
Concen: 52.39 ug/l  
RT: 4.726 min Scan# 477  
Delta R.T. 0.006 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



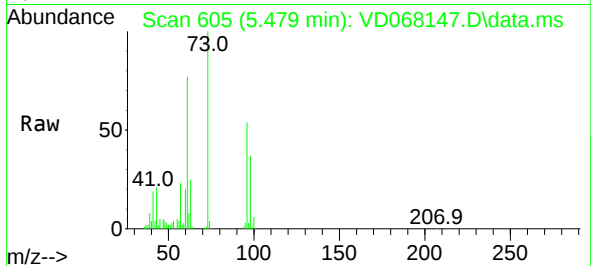
Tgt Ion: 43 Resp: 100121  
Ion Ratio Lower Upper  
43 100  
74 27.6 25.4 38.0



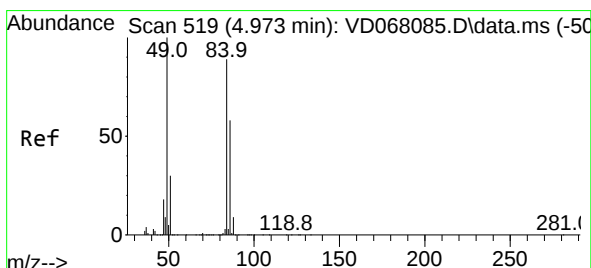
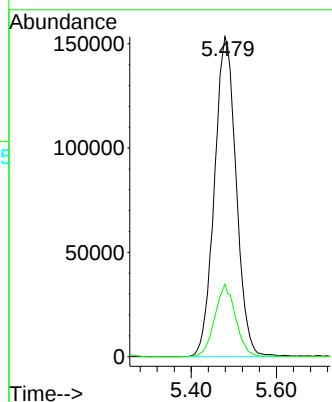
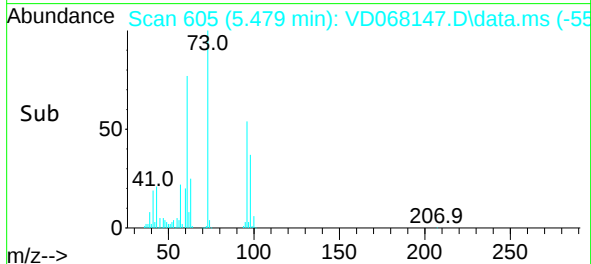


#19  
Methyl tert-butyl Ether  
Concen: 49.77 ug/l  
RT: 5.479 min Scan# 605  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

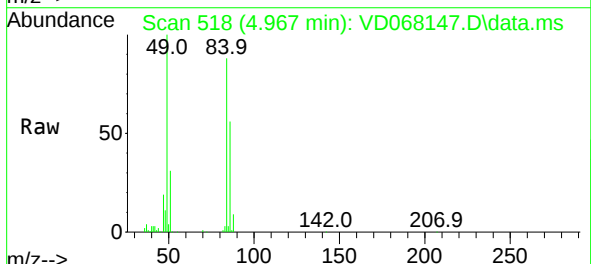
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050



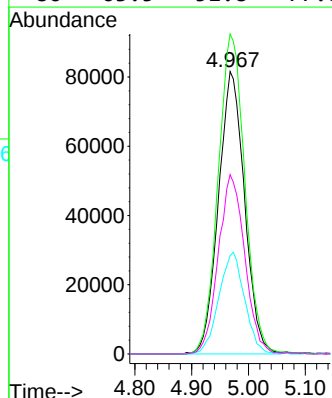
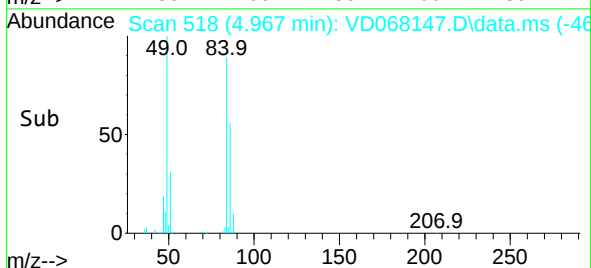
Tgt Ion: 73 Resp: 543395  
Ion Ratio Lower Upper  
73 100  
57 22.6 14.4 21.6#



#20  
Methylene Chloride  
Concen: 50.68 ug/l  
RT: 4.967 min Scan# 518  
Delta R.T. -0.006 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



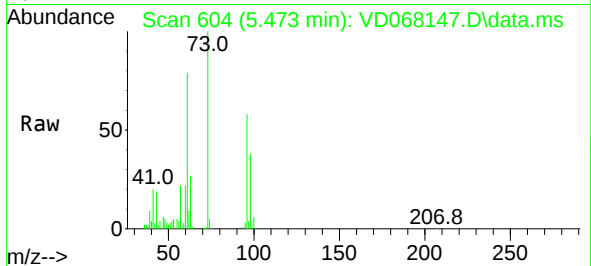
Tgt Ion: 84 Resp: 260149  
Ion Ratio Lower Upper  
84 100  
49 113.3 77.4 116.2  
51 34.8 26.1 39.1  
86 63.5 51.8 77.8





#21  
trans-1,2-Dichloroethene  
Concen: 49.22 ug/l  
RT: 5.473 min Scan# 604  
Delta R.T. -0.006 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

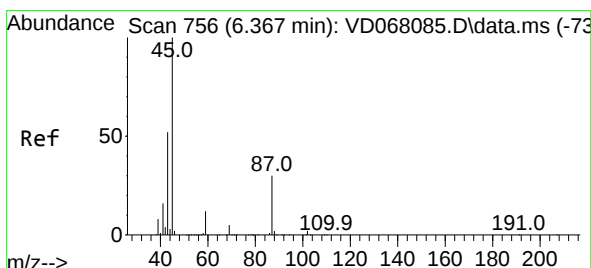
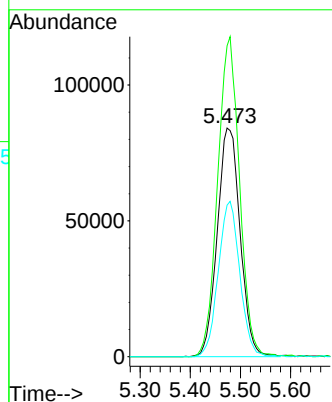
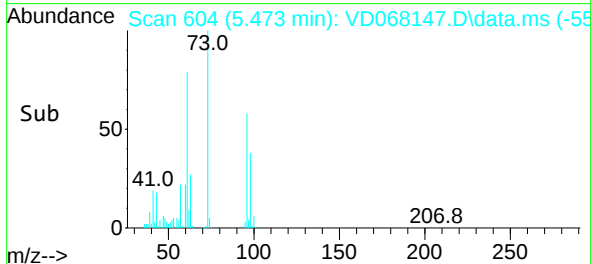
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050



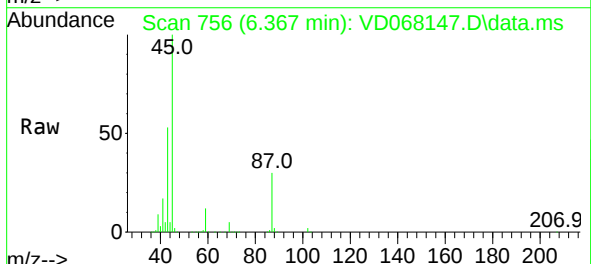
Tgt Ion: 96 Resp: 266820  
Ion Ratio Lower Upper  
96 100  
61 136.0 96.7 145.1  
98 66.3 47.6 71.4

Manual Integrations  
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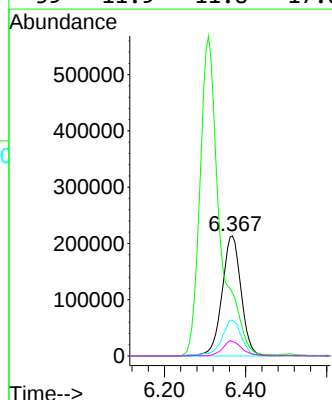
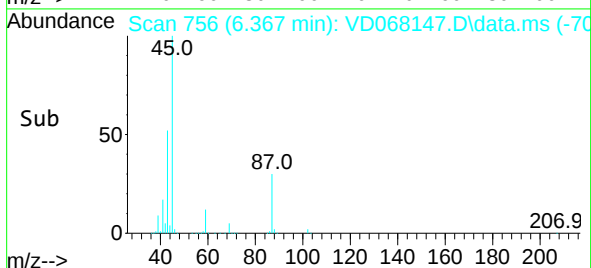
MMDadoda  
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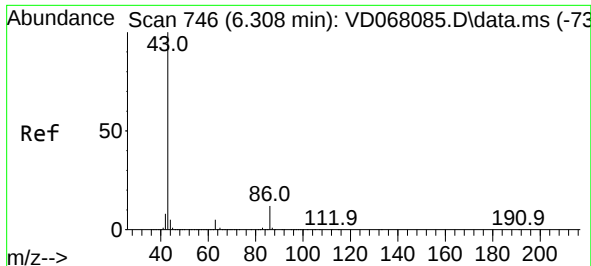


#22  
Diisopropyl ether  
Concen: 50.36 ug/l  
RT: 6.367 min Scan# 756  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

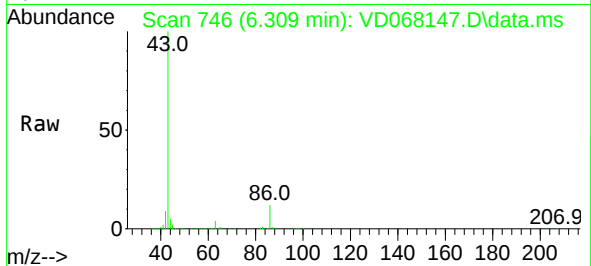


Tgt Ion: 45 Resp: 698001  
Ion Ratio Lower Upper  
45 100  
43 52.2 43.9 65.9  
87 29.8 29.9 44.9#  
59 11.9 11.8 17.8

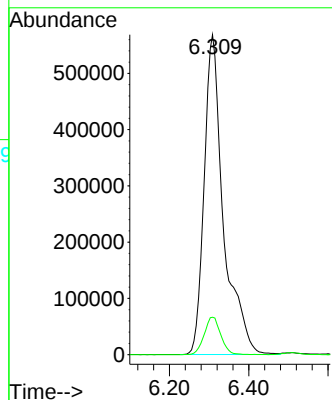




#23  
 Vinyl Acetate  
 Concen: 260.93 ug/l  
 RT: 6.309 min Scan# 746  
 Delta R.T. 0.000 min  
 Lab File: VD068147.D  
 Acq: 22 Jan 2021 11:17



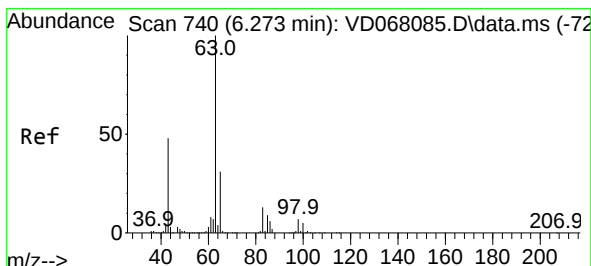
Tgt Ion: 43 Resp: 1927936  
 Ion Ratio Lower Upper  
 43 100  
 86 11.7 10.8 16.2



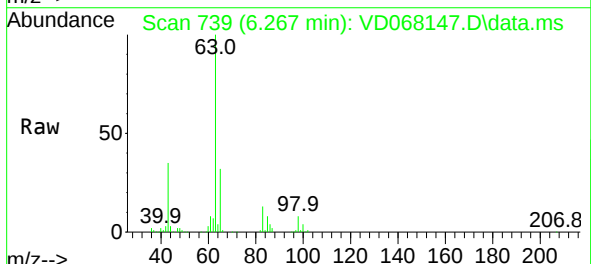
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
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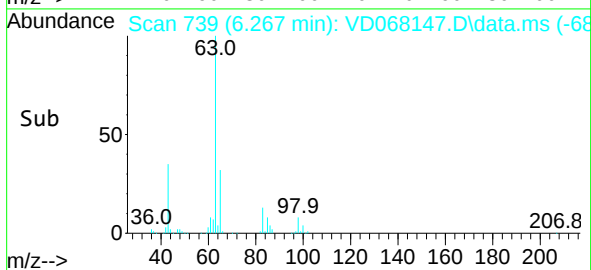
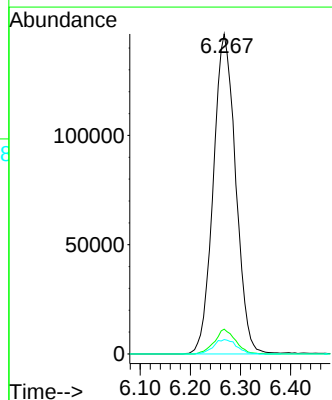
MMDadoda  
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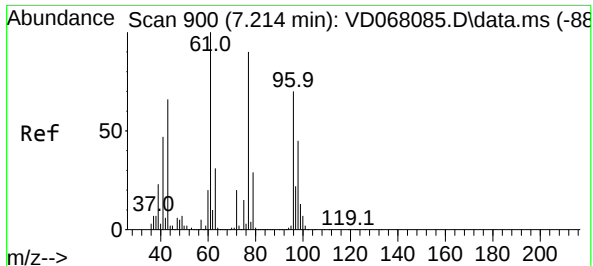


#24  
 1,1-Dichloroethane  
 Concen: 50.60 ug/l  
 RT: 6.267 min Scan# 739  
 Delta R.T. -0.006 min  
 Lab File: VD068147.D  
 Acq: 22 Jan 2021 11:17



Tgt Ion: 63 Resp: 454420  
 Ion Ratio Lower Upper  
 63 100  
 98 7.7 3.8 11.4  
 100 4.5 2.6 8.0





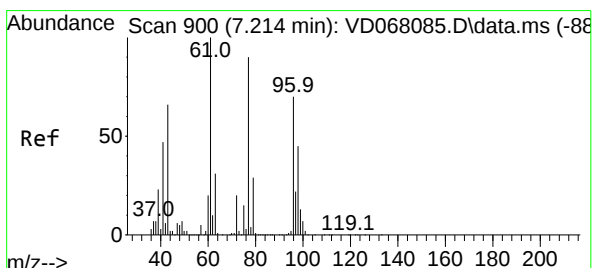
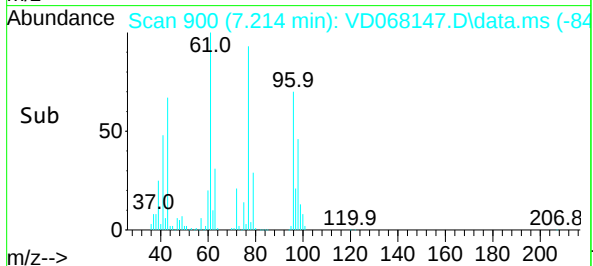
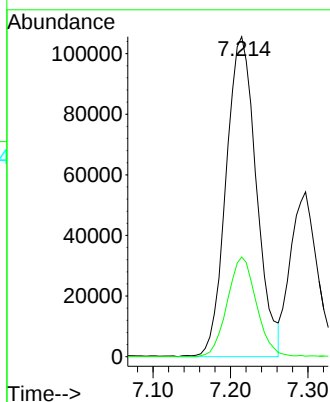
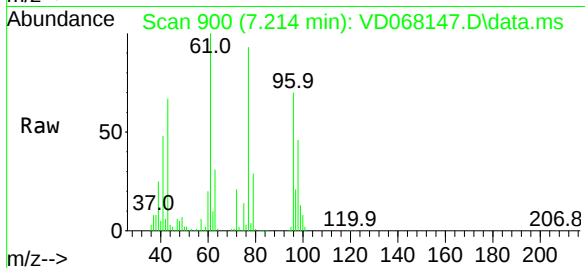
#25  
2-Butanone  
Concen: 259.28 ug/l  
RT: 7.214 min Scan# 900  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion: 43 Resp: 287436  
Ion Ratio Lower Upper  
43 100  
72 31.1 25.1 37.7

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

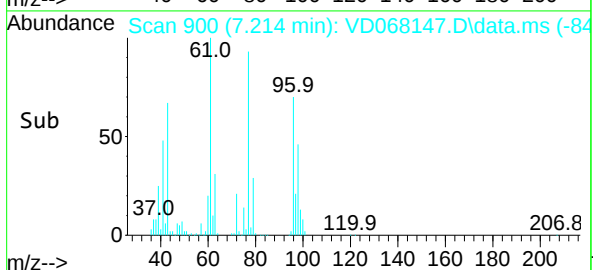
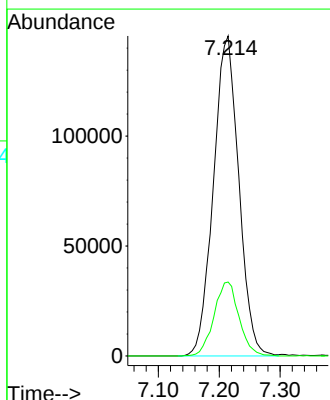
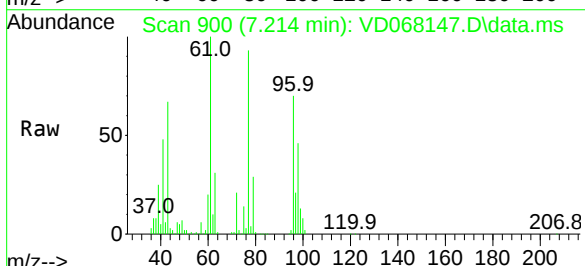
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#26  
2,2-Dichloropropane  
Concen: 49.57 ug/l  
RT: 7.214 min Scan# 900  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

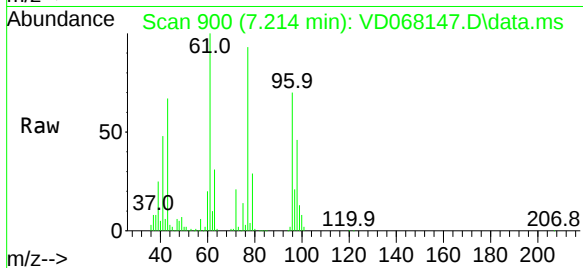
Tgt Ion: 77 Resp: 421236  
Ion Ratio Lower Upper  
77 100  
97 22.8 11.7 35.1





#27  
cis-1,2-Dichloroethene  
Concen: 49.96 ug/l  
RT: 7.214 min Scan# 900  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

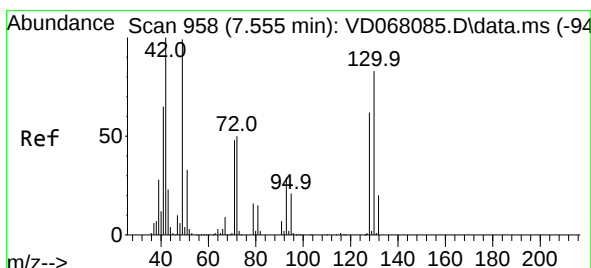
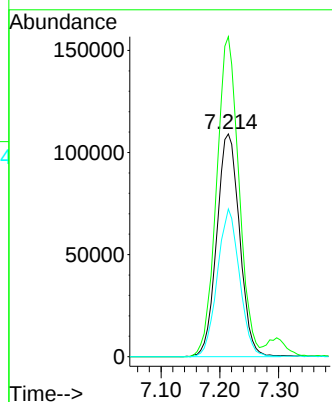
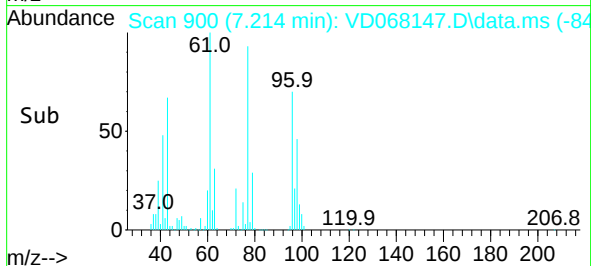
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050



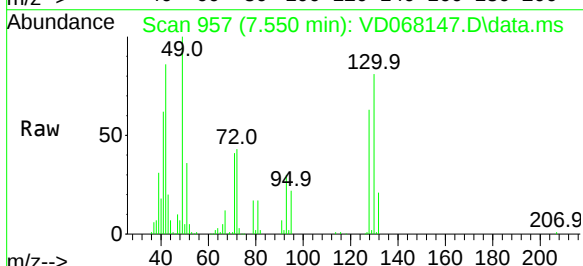
Tgt Ion: 96 Resp: 294092  
Ion Ratio Lower Upper  
96 100  
61 140.9 0.0 257.4  
98 64.6 0.0 126.6

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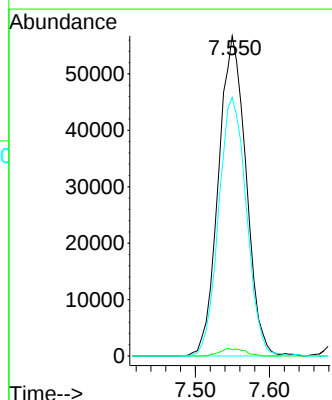
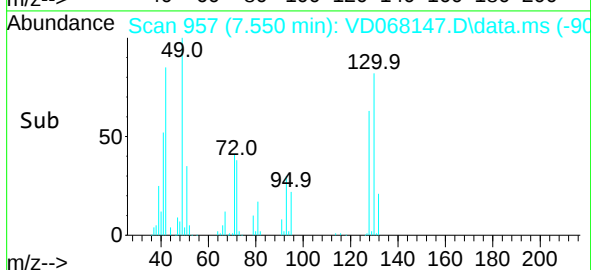
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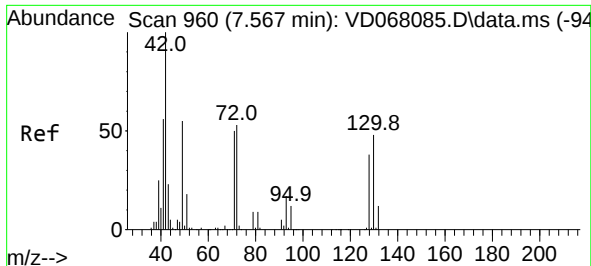


#28  
Bromochloromethane  
Concen: 47.88 ug/l  
RT: 7.550 min Scan# 957  
Delta R.T. -0.006 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



Tgt Ion: 49 Resp: 146510  
Ion Ratio Lower Upper  
49 100  
129 2.1 0.0 4.8  
130 81.4 85.5 128.3#





#29

Tetrahydrofuran

Concen: 250.62 ug/l

RT: 7.561 min Scan# 959

Delta R.T. -0.006 min

Lab File: VD068147.D

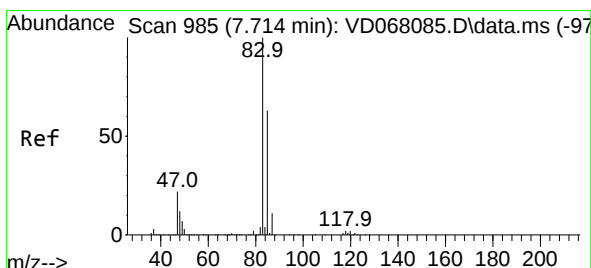
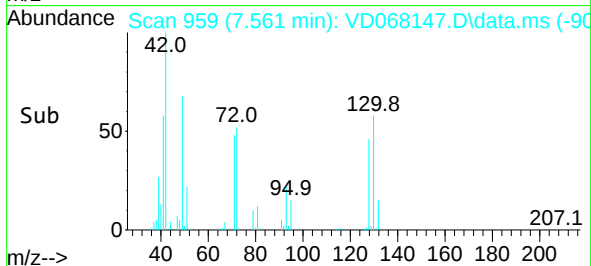
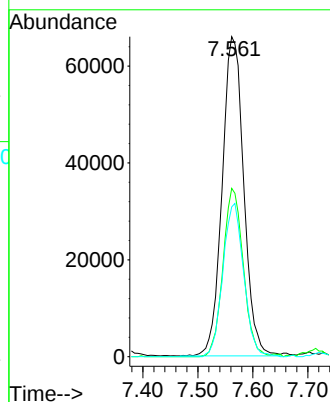
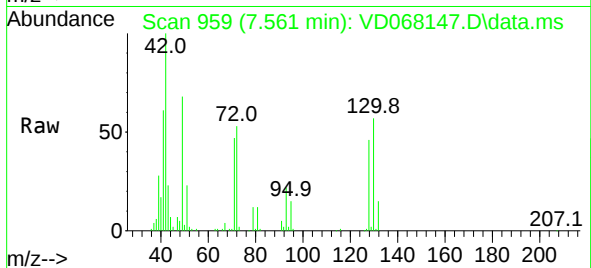
Acq: 22 Jan 2021 11:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 42    | Resp: | 180107 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 49.4  | 43.4  | 65.0   |
| 71       | 46.3  | 40.8  | 61.2   |

Instrument :  
MSVOA\_D  
ClientSampleId :  
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#30

Chloroform

Concen: 49.32 ug/l

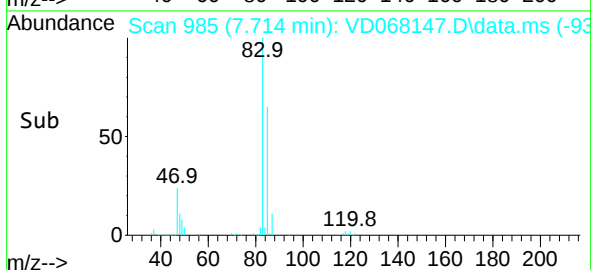
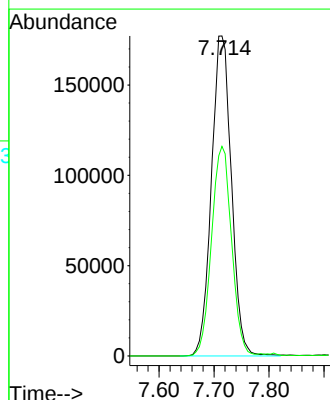
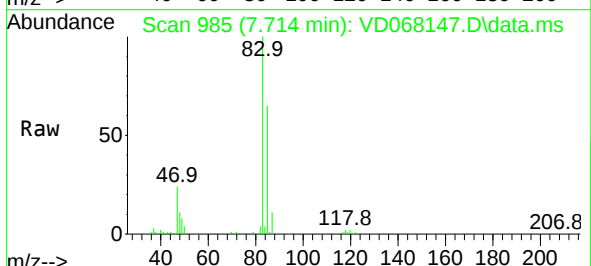
RT: 7.714 min Scan# 985

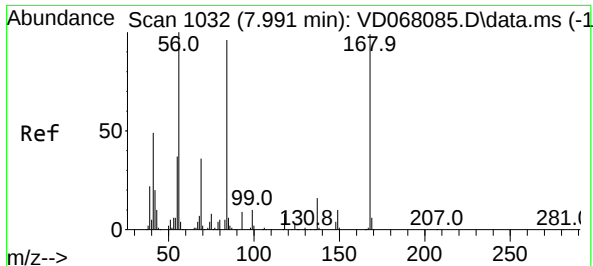
Delta R.T. 0.000 min

Lab File: VD068147.D

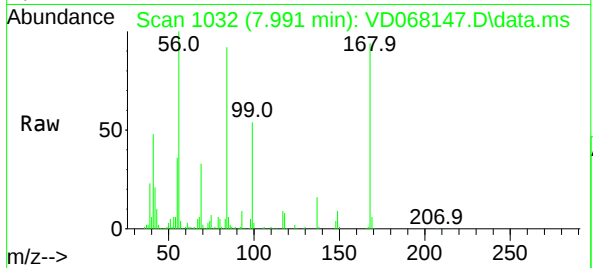
Acq: 22 Jan 2021 11:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 447597 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 65.5  | 53.4  | 80.0   |

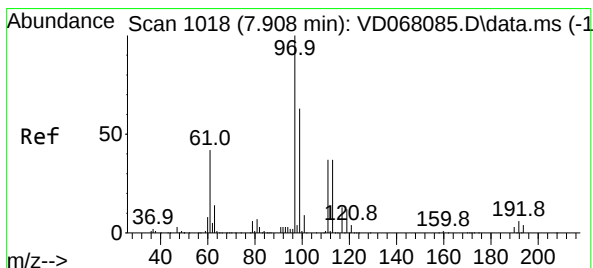
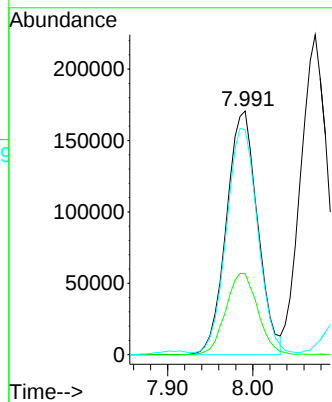
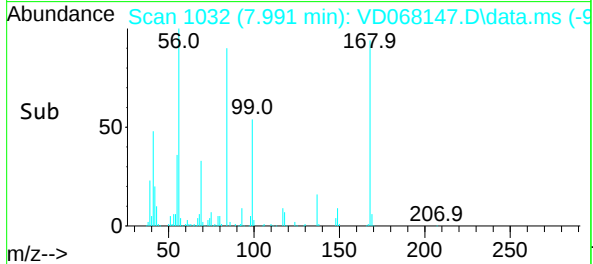




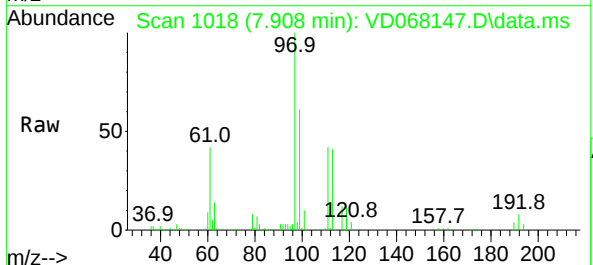
#31  
Cyclohexane  
Concen: 48.58 ug/l  
RT: 7.991 min Scan# 1032  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



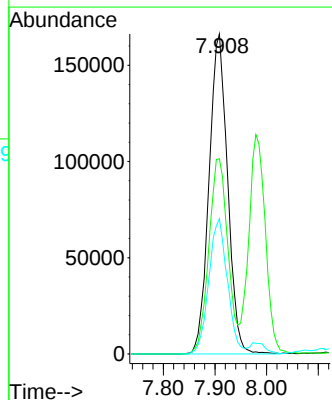
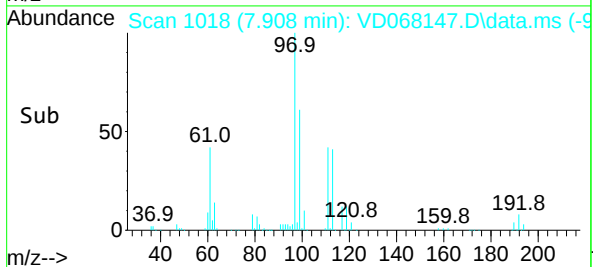
Tgt Ion: 56 Resp: 433763  
Ion Ratio Lower Upper  
56 100  
69 33.2 30.1 45.1  
84 90.7 82.1 123.1



#32  
1,1,1-Trichloroethane  
Concen: 50.72 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



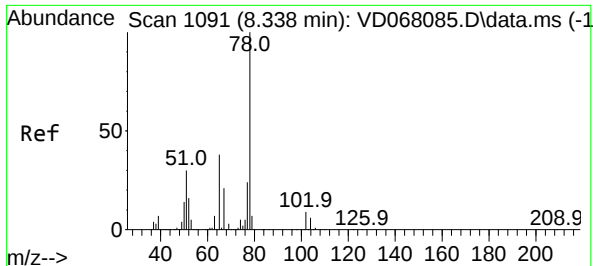
Tgt Ion: 97 Resp: 414838  
Ion Ratio Lower Upper  
97 100  
99 62.5 52.1 78.1  
61 42.2 30.1 45.1



Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

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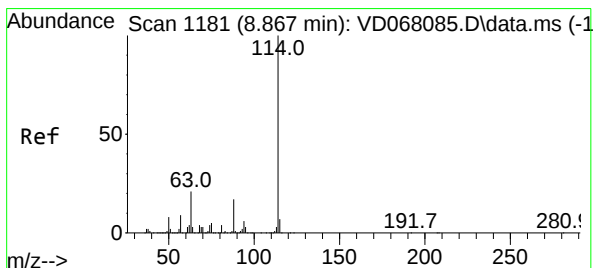
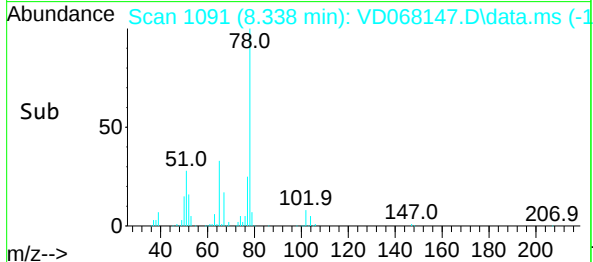
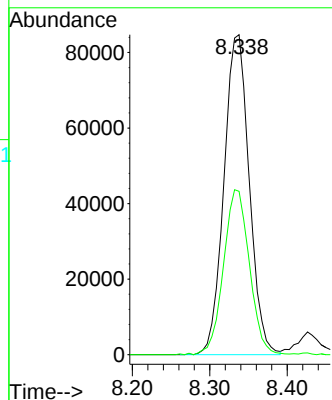
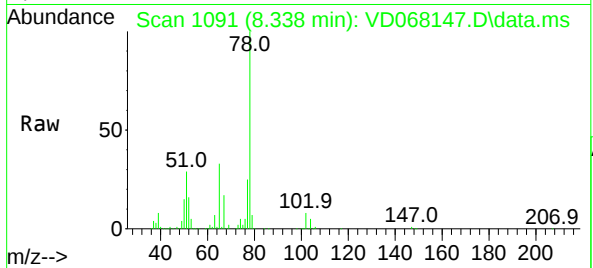
#33  
1,2-Dichloroethane-d4  
Concen: 46.70 ug/l  
RT: 8.338 min Scan# 1091  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion: 65 Resp: 192564  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 105.0

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

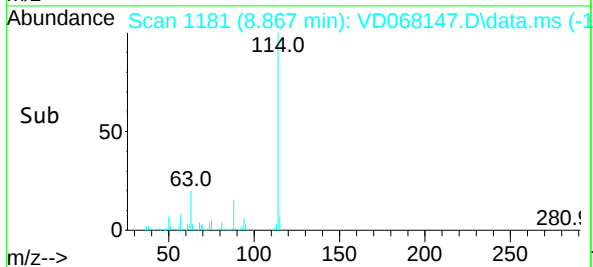
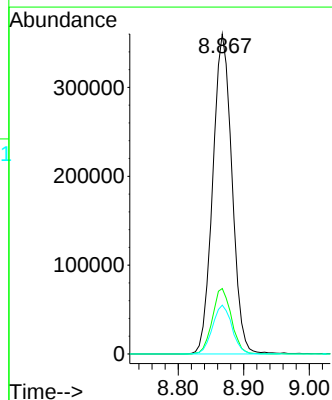
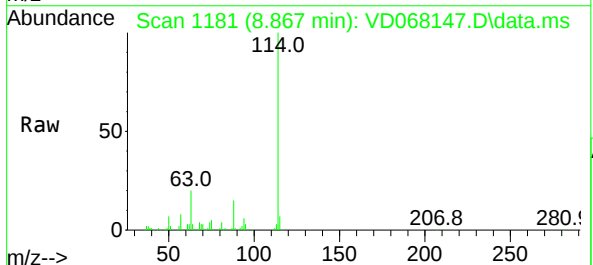
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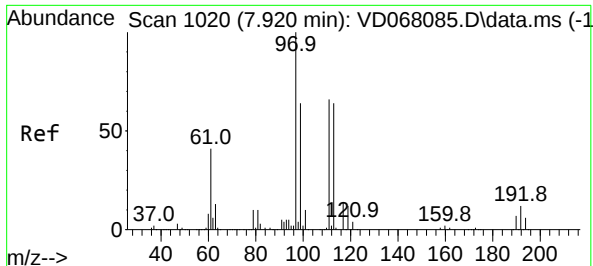
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#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion: 114 Resp: 731012  
Ion Ratio Lower Upper  
114 100  
63 20.5 0.0 34.8  
88 15.2 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.95 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068147.D

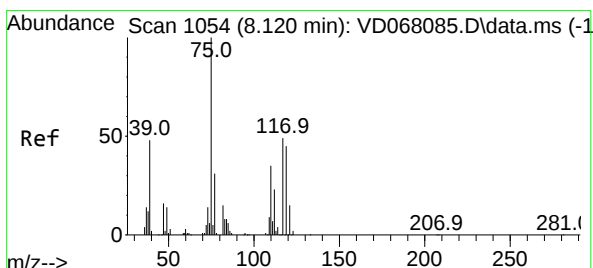
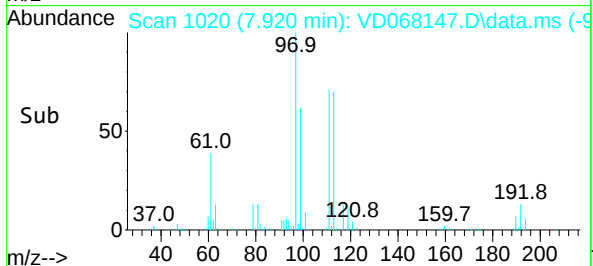
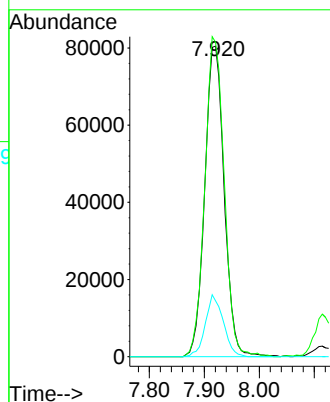
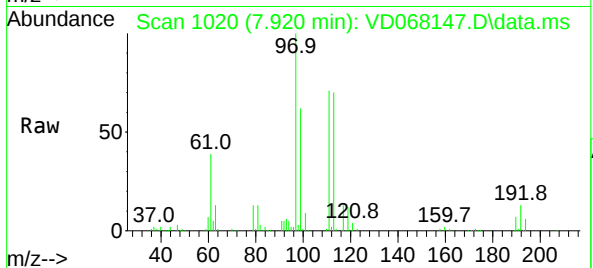
Acq: 22 Jan 2021 11:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 197848 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 102.7 | 81.4  | 122.0  |
| 192      | 18.4  | 16.1  | 24.1   |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

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#36

1,1-Dichloropropene

Concen: 50.53 ug/l

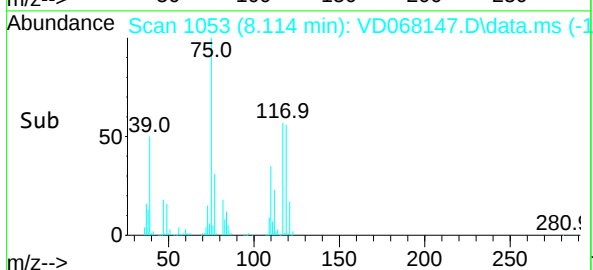
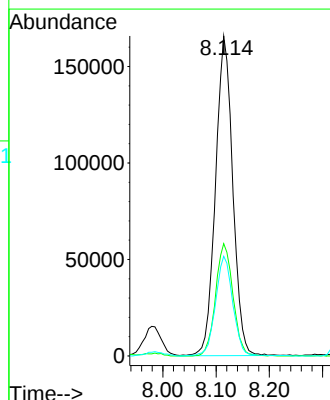
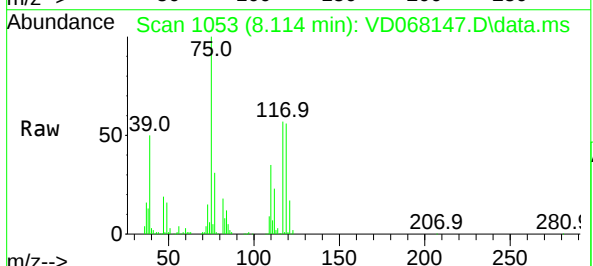
RT: 8.114 min Scan# 1053

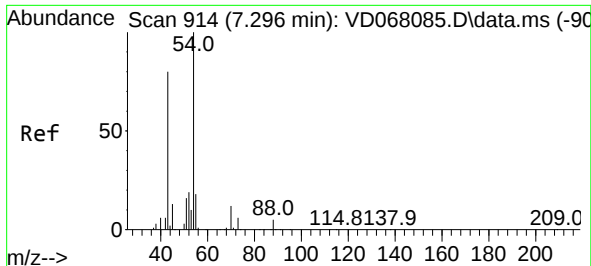
Delta R.T. -0.006 min

Lab File: VD068147.D

Acq: 22 Jan 2021 11:17

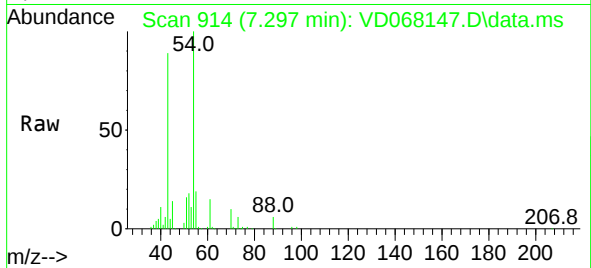
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 372468 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 110      | 35.4  | 19.4  | 58.2   |
| 77       | 31.4  | 25.3  | 37.9   |





#37  
Ethyl Acetate  
Concen: 51.56 ug/l  
RT: 7.297 min Scan# 914  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

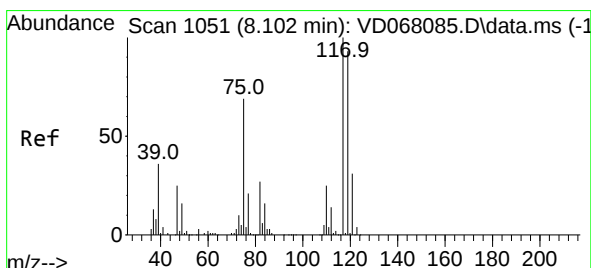
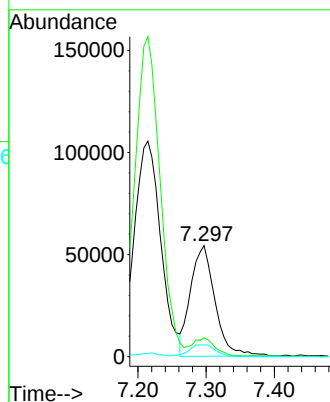
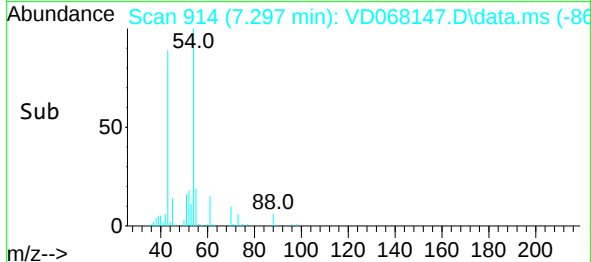
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050



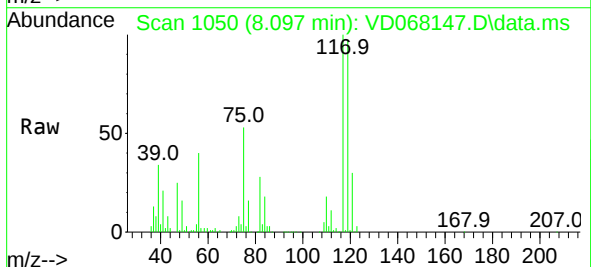
Tgt Ion: 43 Resp: 134453  
Ion Ratio Lower Upper  
43 100  
61 14.3 12.9 19.3  
70 11.8 11.0 16.6

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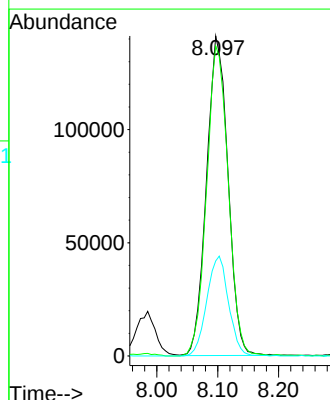
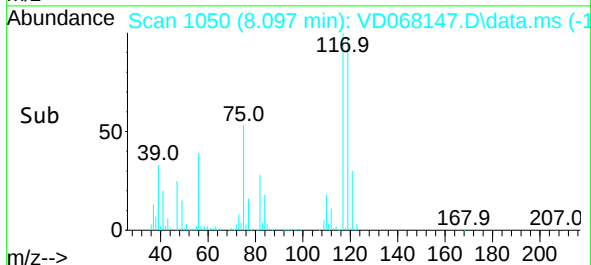
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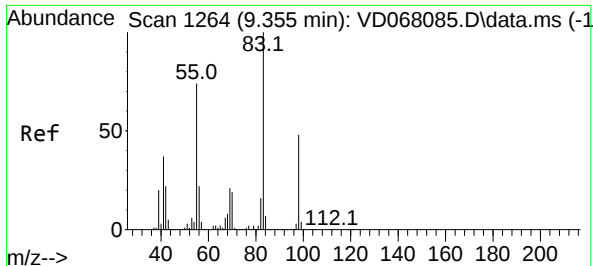


#38  
Carbon Tetrachloride  
Concen: 50.14 ug/l  
RT: 8.097 min Scan# 1050  
Delta R.T. -0.006 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



Tgt Ion: 117 Resp: 345992  
Ion Ratio Lower Upper  
117 100  
119 97.0 77.3 115.9  
121 29.7 24.7 37.1





#39

Methylcyclohexane

Concen: 51.42 ug/l

RT: 9.355 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VD068147.D

Acq: 22 Jan 2021 11:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 495560 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 55       | 75.3  | 55.2  | 82.8   |
| 98       | 50.9  | 39.1  | 58.7   |

Instrument :

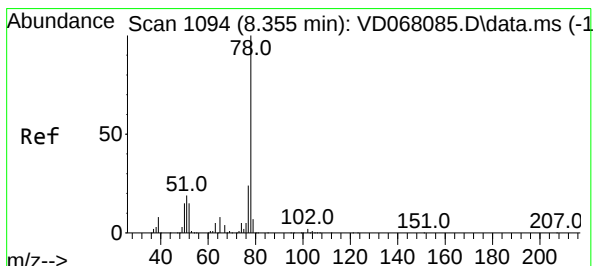
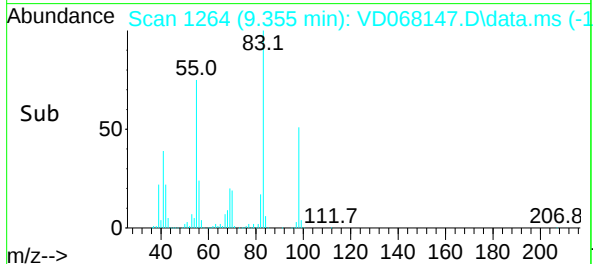
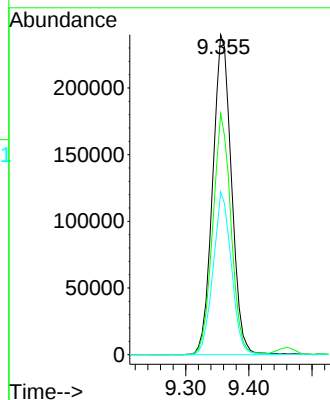
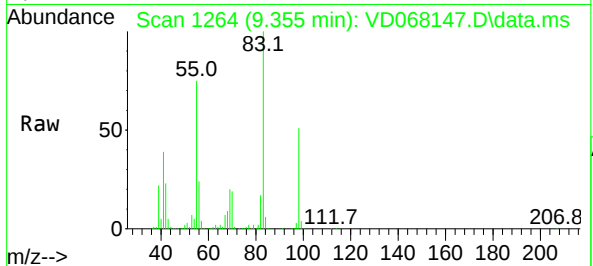
MSVOA\_D

ClientSampleId :

VSTDCCC050

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#40

Benzene

Concen: 50.27 ug/l

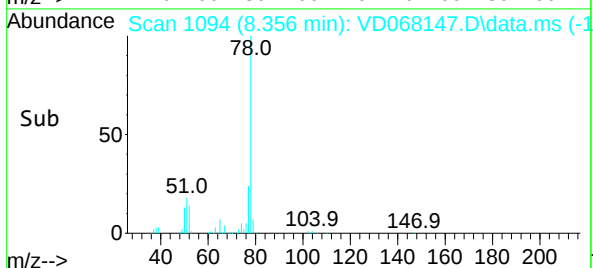
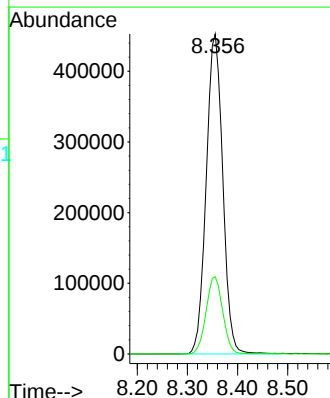
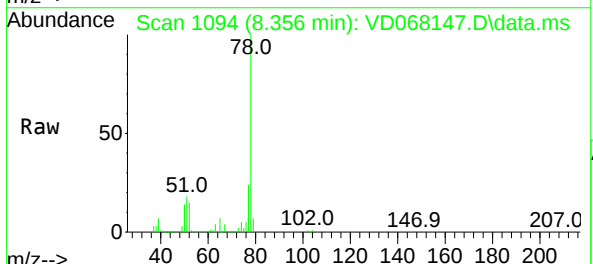
RT: 8.356 min Scan# 1094

Delta R.T. 0.001 min

Lab File: VD068147.D

Acq: 22 Jan 2021 11:17

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 78    | Resp: | 1036139 |
| Ion      | Ratio | Lower | Upper   |
| 78       | 100   |       |         |
| 77       | 24.1  | 17.8  | 26.6    |





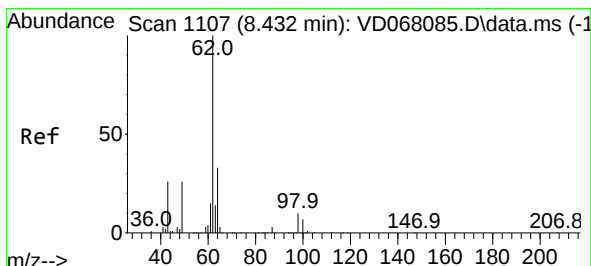
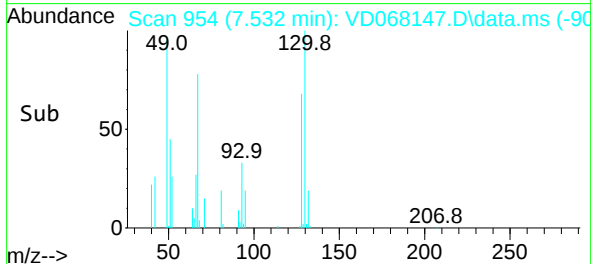
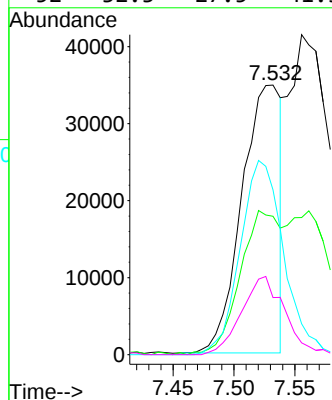
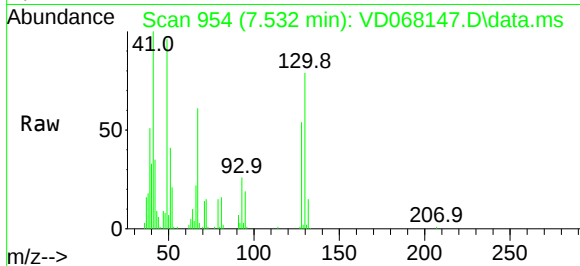
#41  
Methacrylonitrile  
Concen: 49.35 ug/l  
RT: 7.532 min Scan# 954  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 77661 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 39        | 54.4  | 45.2  | 67.8  |
| 67        | 80.7  | 67.4  | 101.2 |
| 52        | 32.3  | 27.5  | 41.3  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

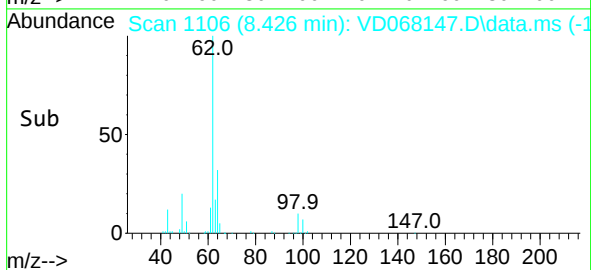
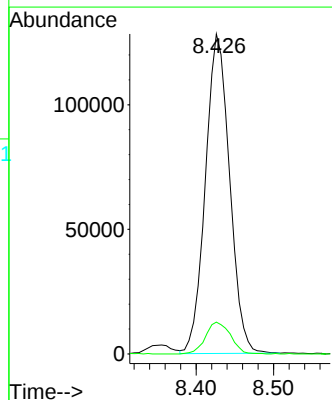
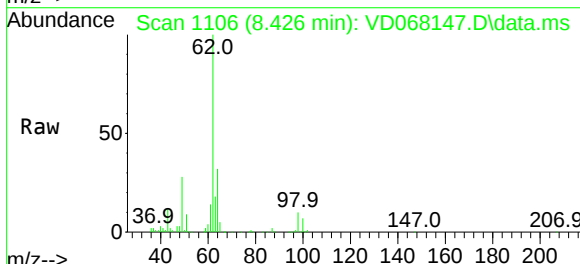
Manual Integrations  
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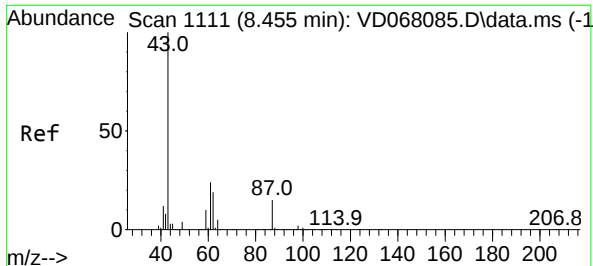
MMDadoda  
1/26/2021 10:42:26 AM



#42  
1,2-Dichloroethane  
Concen: 50.49 ug/l  
RT: 8.426 min Scan# 1106  
Delta R.T. -0.006 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

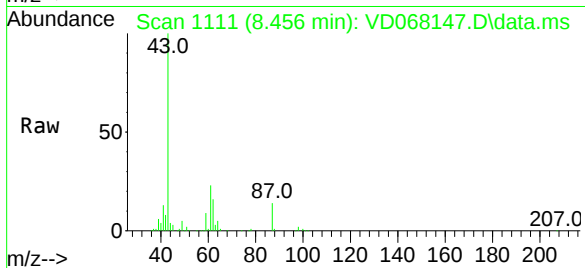
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 62    | Resp: | 278094 |
| Ion Ratio | Lower | Upper |        |
| 62        | 100   |       |        |
| 98        | 10.3  | 0.0   | 21.8   |



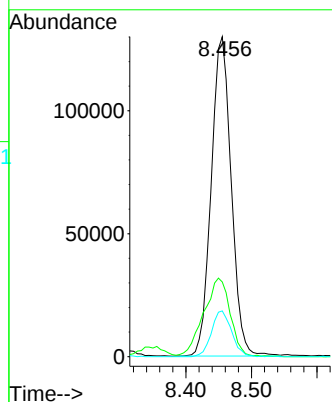


#43

Isopropyl Acetate  
Concen: 50.64 ug/l  
RT: 8.456 min Scan# 1111  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



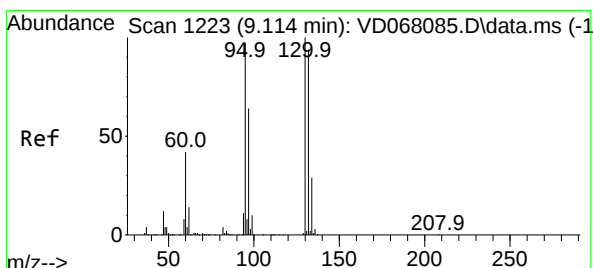
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 275202 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 32.9  | 28.7  | 43.1   |
| 87        | 14.4  | 13.9  | 20.9   |



Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

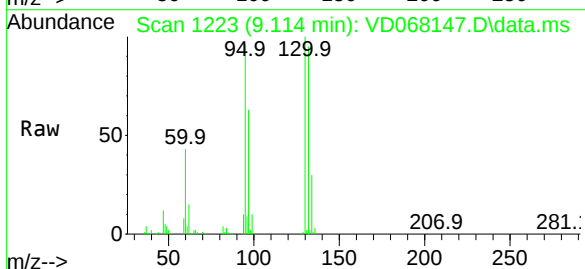
Manual Integrations  
APPROVED

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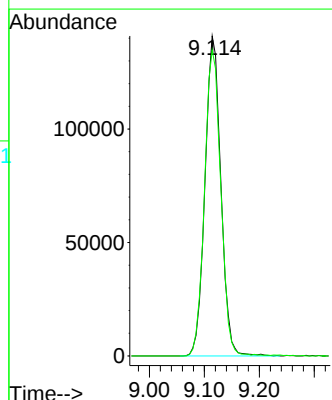
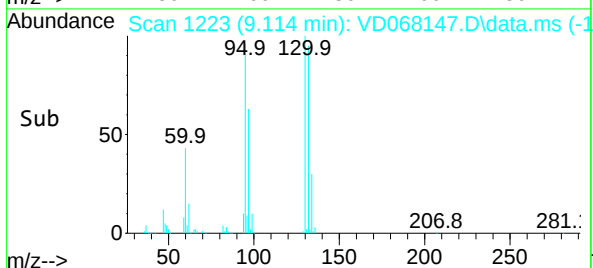


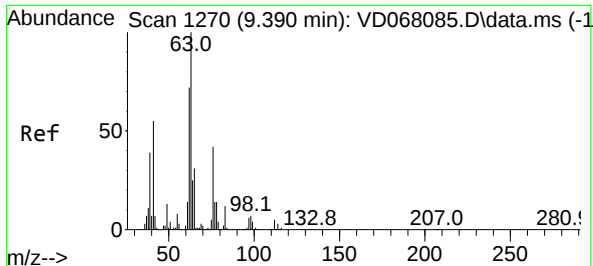
#44

Trichloroethene  
Concen: 49.97 ug/l  
RT: 9.114 min Scan# 1223  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 130   | Resp: | 282839 |
| Ion Ratio | Lower | Upper |        |
| 130       | 100   |       |        |
| 95        | 95.6  | 0.0   | 191.2  |





#45

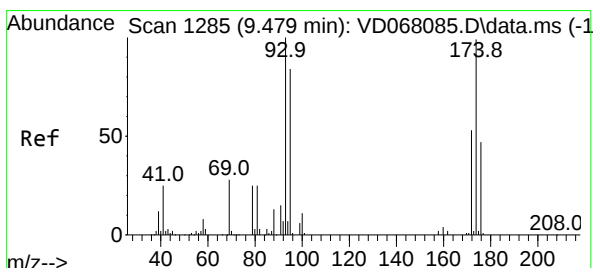
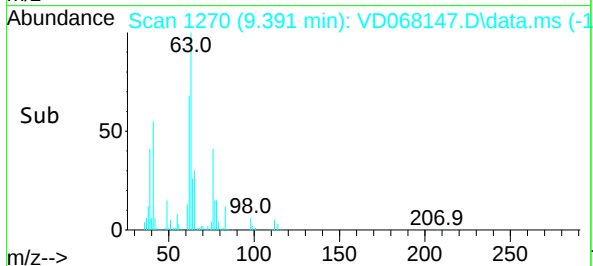
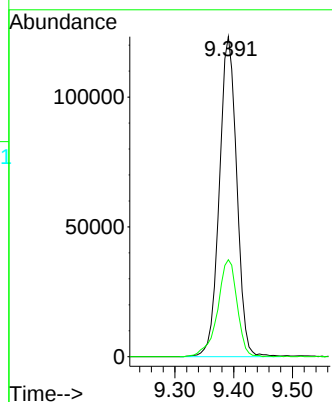
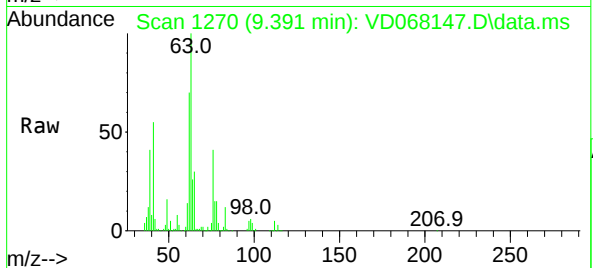
1,2-Dichloropropane  
Concen: 50.26 ug/l  
RT: 9.391 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion: 63 Resp: 253685  
Ion Ratio Lower Upper  
63 100  
65 30.3 26.6 40.0

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
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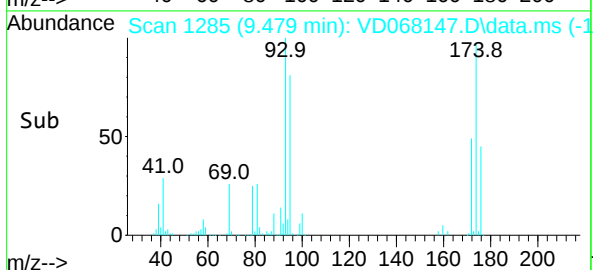
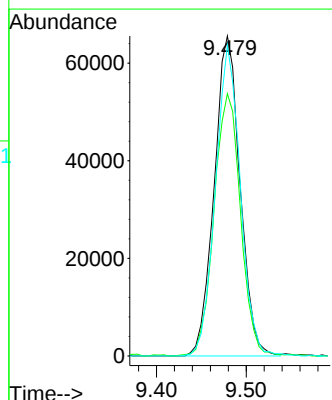
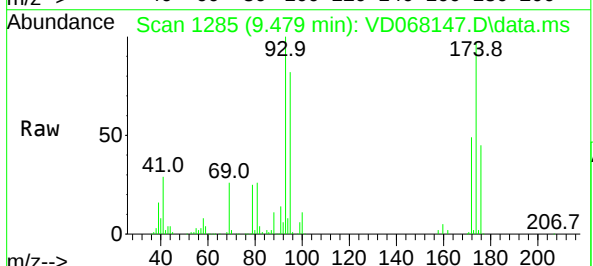
MMDadoda  
1/26/2021 10:42:26 AM

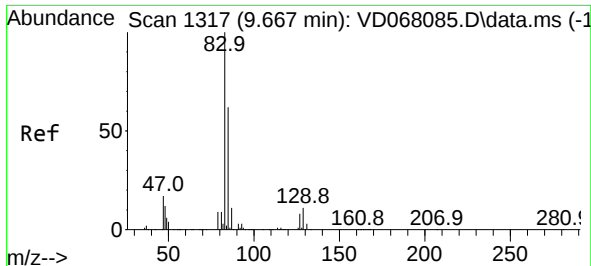


#46

Dibromomethane  
Concen: 51.27 ug/l  
RT: 9.479 min Scan# 1285  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion: 93 Resp: 131122  
Ion Ratio Lower Upper  
93 100  
95 83.8 67.3 100.9  
174 93.6 84.6 127.0





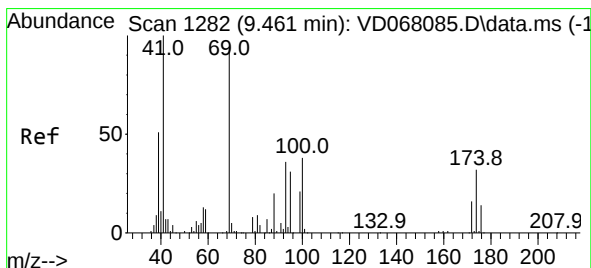
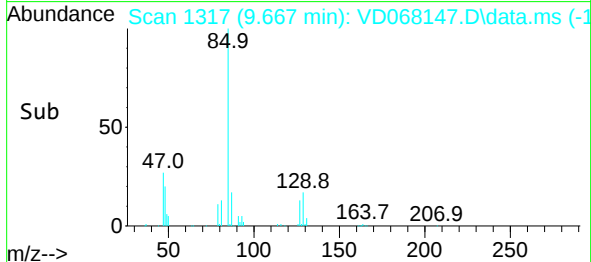
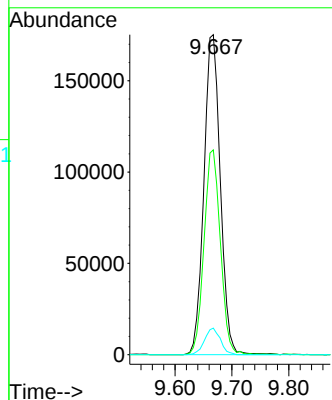
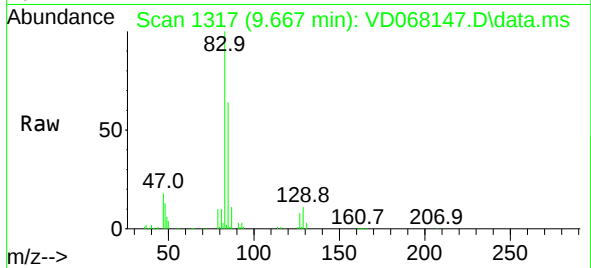
#47  
Bromodichloromethane  
Concen: 50.91 ug/l  
RT: 9.667 min Scan# 1317  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion: 83 Resp: 351358  
Ion Ratio Lower Upper  
83 100  
85 64.0 51.6 77.4  
127 8.3 7.4 11.0

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

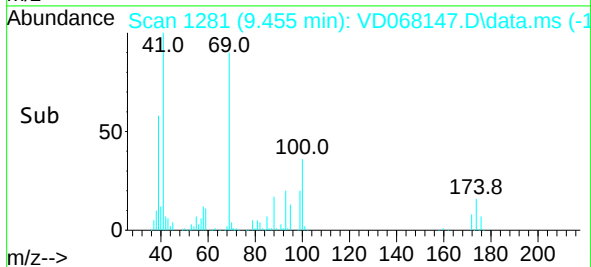
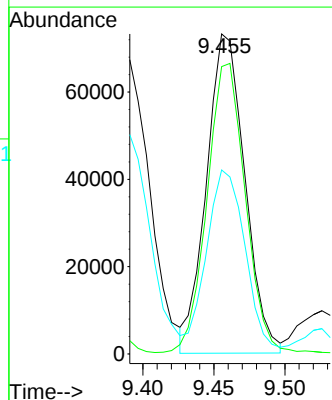
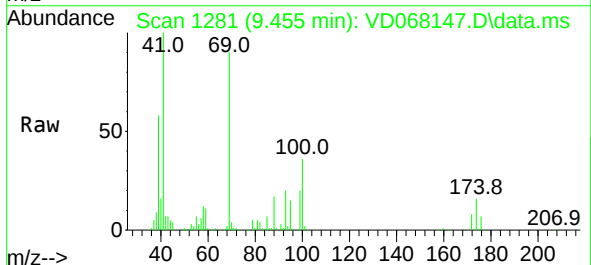
Manual Integrations  
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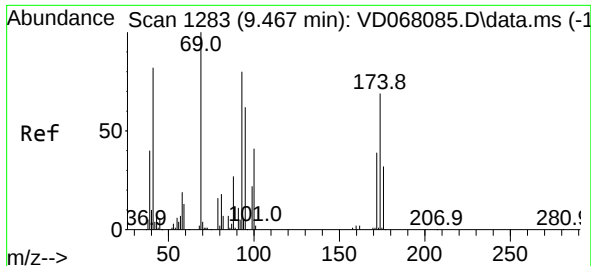
MMDadoda  
1/26/2021 10:42:26 AM



#48  
Methyl methacrylate  
Concen: 50.89 ug/l  
RT: 9.455 min Scan# 1281  
Delta R.T. -0.006 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion: 41 Resp: 137648  
Ion Ratio Lower Upper  
41 100  
69 90.4 77.1 115.7  
39 54.1 41.5 62.3





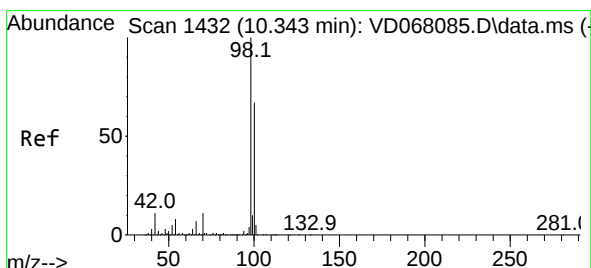
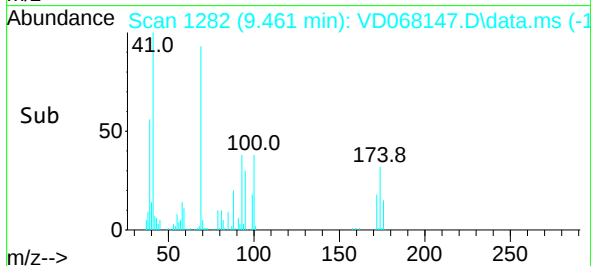
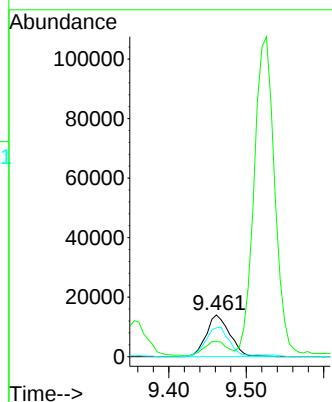
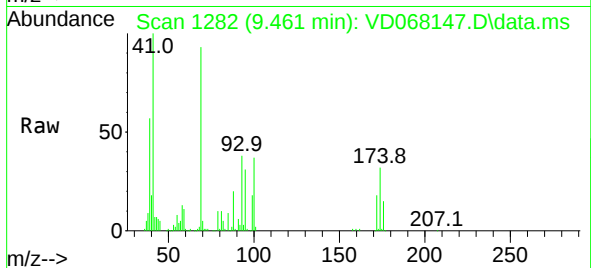
#49  
1,4-Dioxane  
Concen: 986.13 ug/l  
RT: 9.461 min Scan# 1282  
Delta R.T. -0.006 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion: 88 Resp: 29556  
Ion Ratio Lower Upper  
88 100  
43 35.2 22.1 33.1#  
58 70.8 46.7 70.1#

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

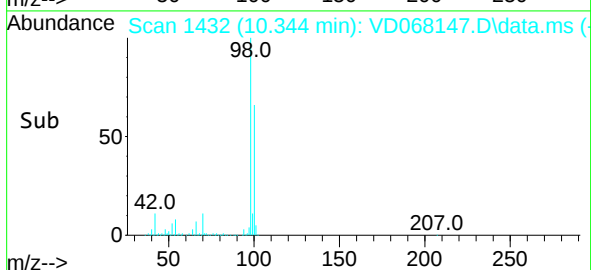
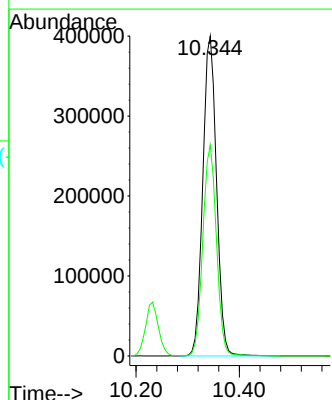
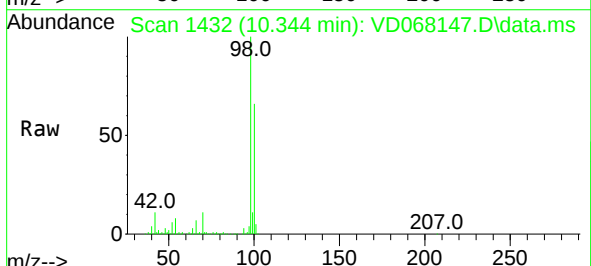
Manual Integrations  
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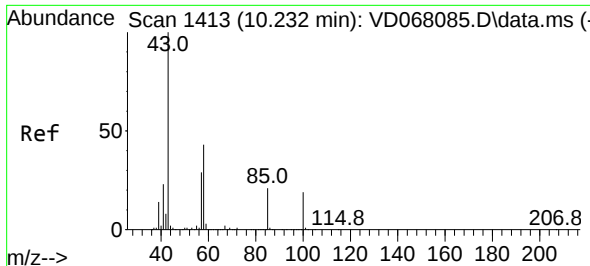
MMDadoda  
1/26/2021 10:42:26 AM



#50  
Toluene-d8  
Concen: 45.53 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion: 98 Resp: 736056  
Ion Ratio Lower Upper  
98 100  
100 65.7 53.0 79.4





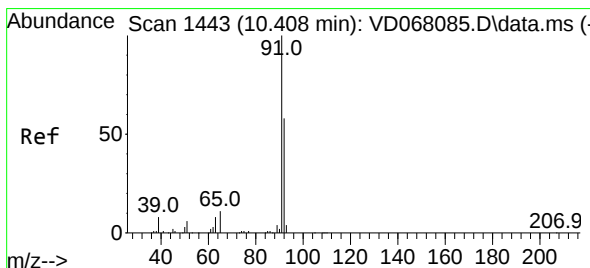
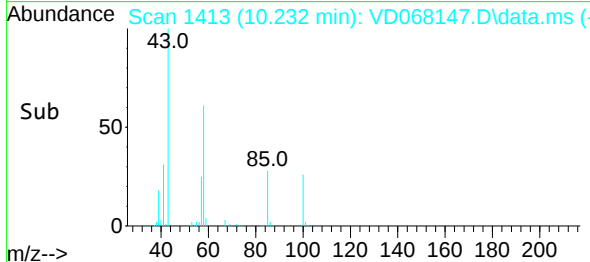
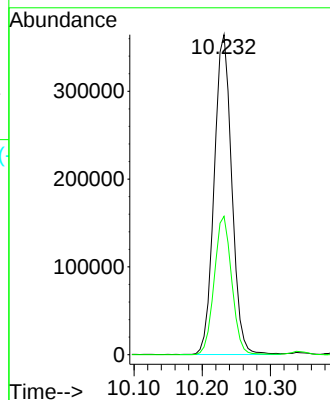
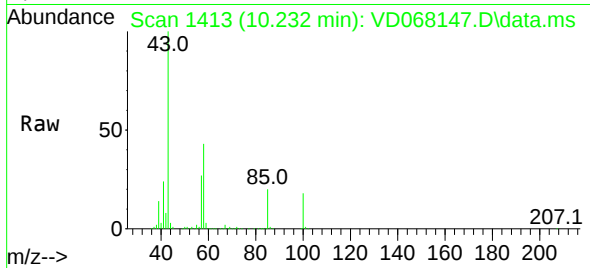
#51  
4-Methyl-2-Pentanone  
Concen: 258.85 ug/l  
RT: 10.232 min Scan# 1413  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion: 43 Resp: 653878  
Ion Ratio Lower Upper  
43 100  
58 43.1 36.1 54.1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

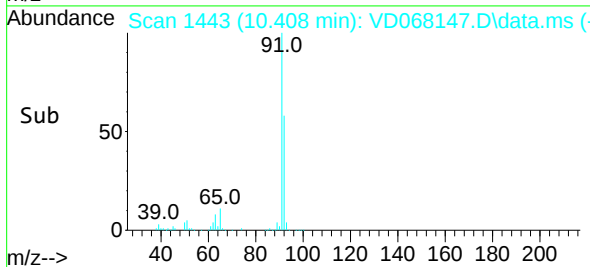
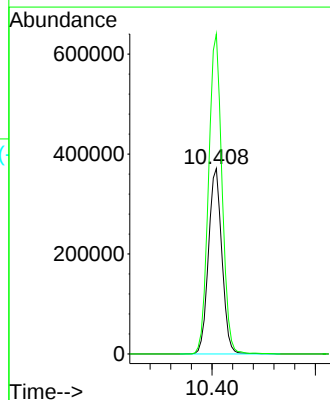
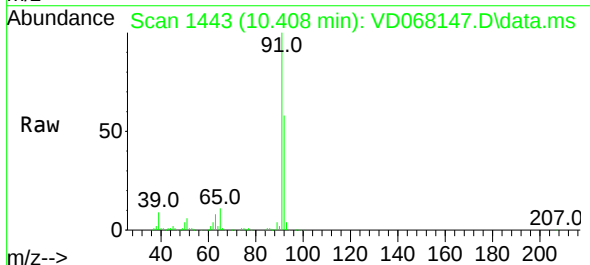
Manual Integrations  
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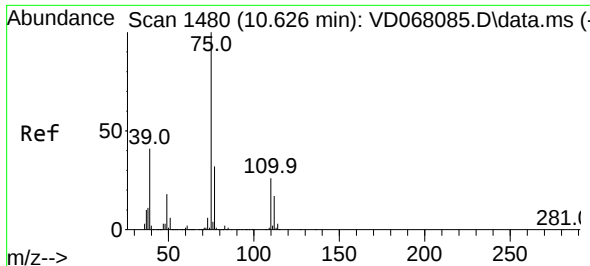
MMDadoda  
1/26/2021 10:42:26 AM



#52  
Toluene  
Concen: 49.70 ug/l  
RT: 10.408 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion: 92 Resp: 667474  
Ion Ratio Lower Upper  
92 100  
91 172.7 134.1 201.1





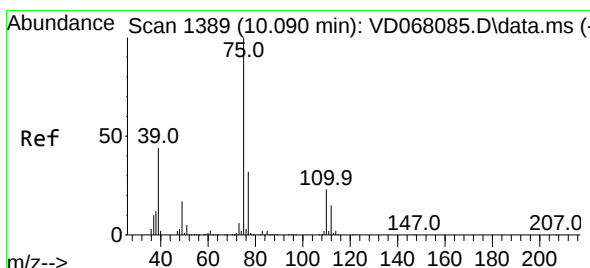
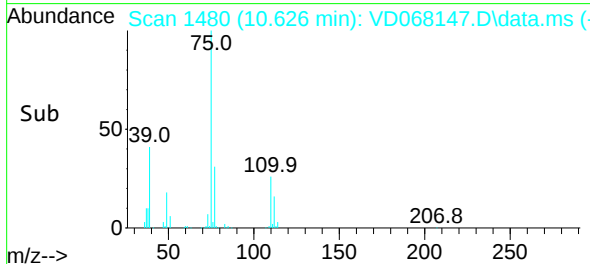
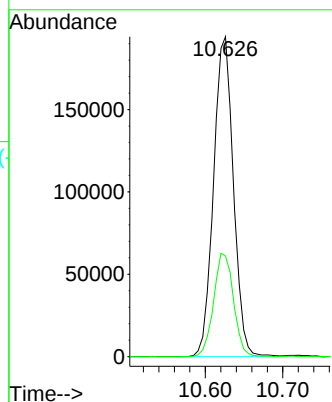
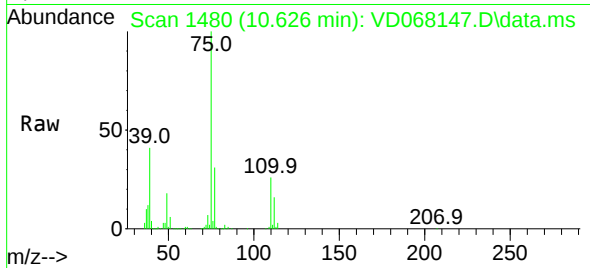
#53  
t-1,3-Dichloropropene  
Concen: 49.44 ug/l  
RT: 10.626 min Scan# 1480  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion: 75 Resp: 345353  
Ion Ratio Lower Upper  
75 100  
77 31.5 25.0 37.4

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

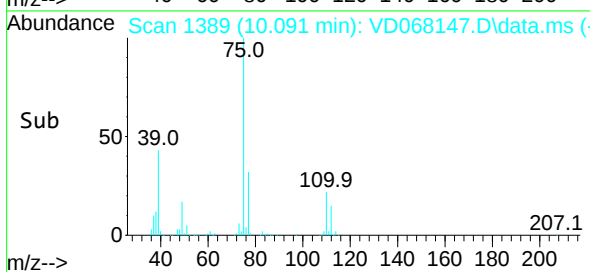
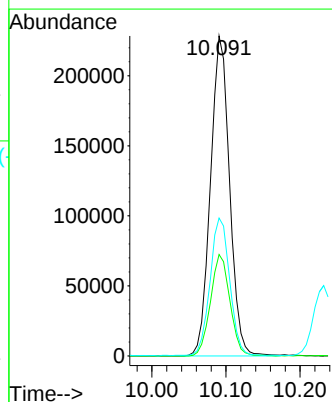
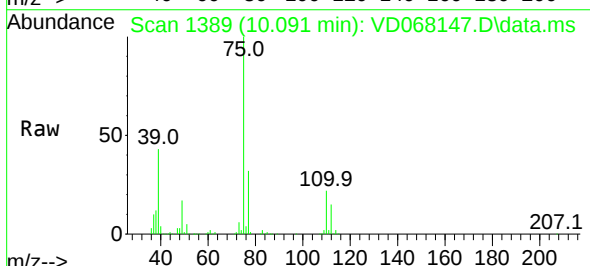
Manual Integrations  
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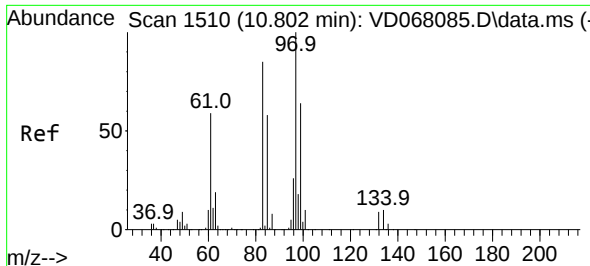
MMDadoda  
1/26/2021 10:42:26 AM



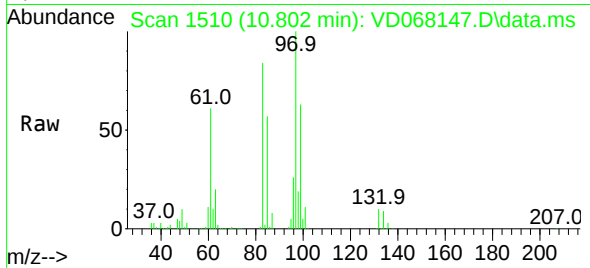
#54  
cis-1,3-Dichloropropene  
Concen: 49.22 ug/l  
RT: 10.091 min Scan# 1389  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion: 75 Resp: 409240  
Ion Ratio Lower Upper  
75 100  
77 31.7 24.6 37.0  
39 43.0 31.4 47.0

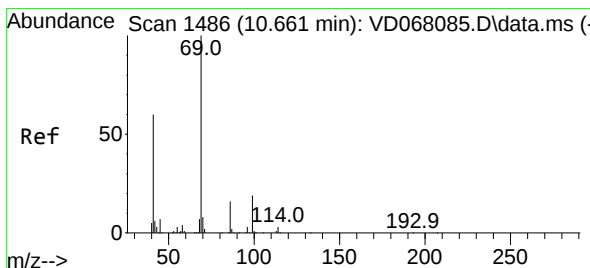
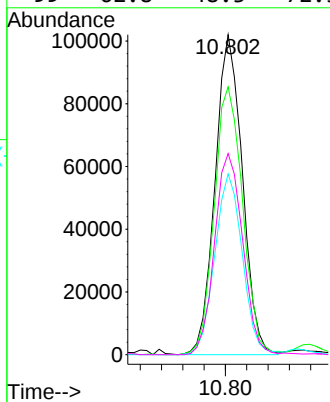
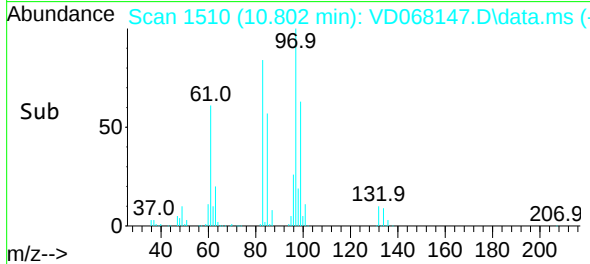




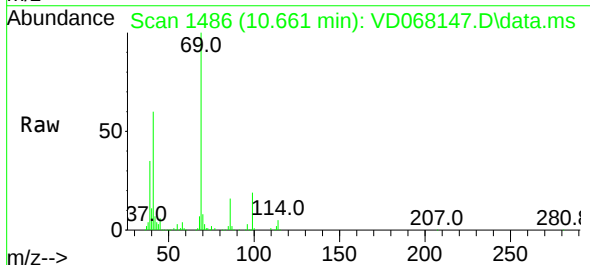
#55  
1,1,2-Trichloroethane  
Concen: 49.99 ug/l  
RT: 10.802 min Scan# 1510  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



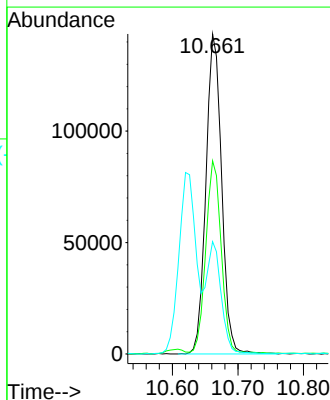
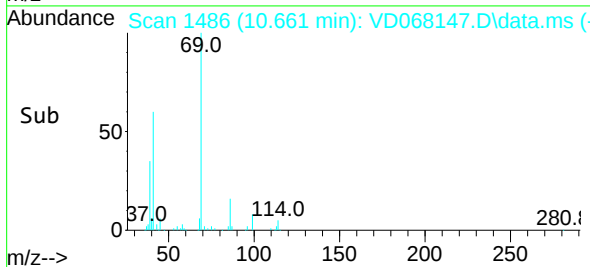
| Tgt Ion: | 97    | Resp: | 181178 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 83.7  | 61.8  | 92.6   |
| 85       | 56.5  | 42.2  | 63.2   |
| 99       | 62.8  | 48.3  | 72.5   |



#56  
Ethyl methacrylate  
Concen: 49.54 ug/l  
RT: 10.661 min Scan# 1486  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



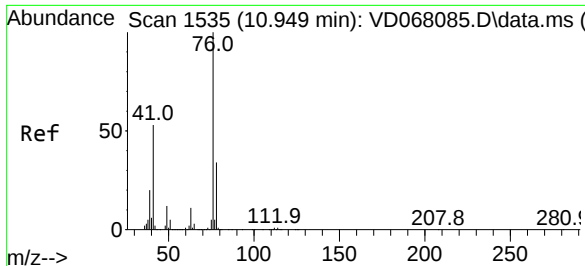
| Tgt Ion: | 69    | Resp: | 239165 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 59.6  | 44.9  | 67.3   |
| 39       | 33.1  | 21.9  | 32.9#  |



Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

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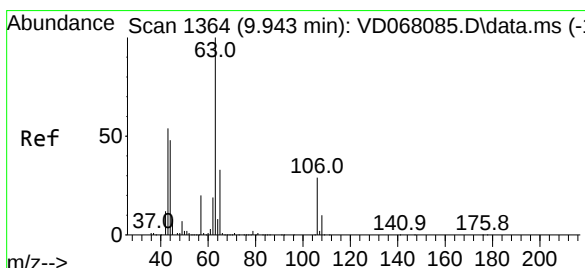
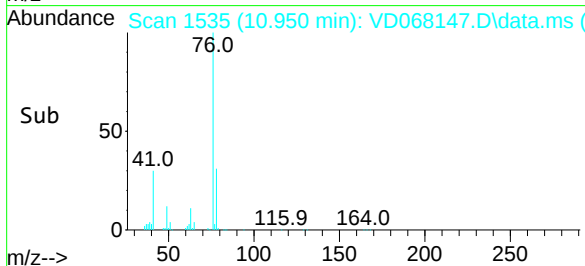
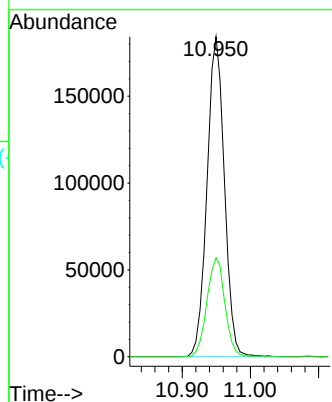
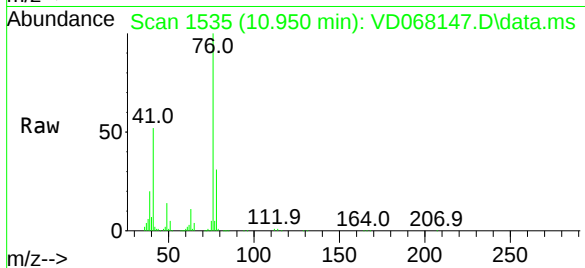
#57  
1,3-Dichloropropane  
Concen: 51.01 ug/l  
RT: 10.950 min Scan# 1535  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion: 76 Resp: 326230  
Ion Ratio Lower Upper  
76 100  
78 31.9 25.6 38.4

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

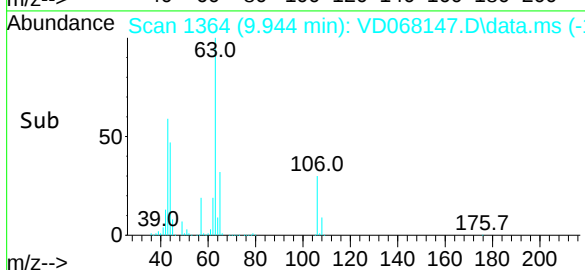
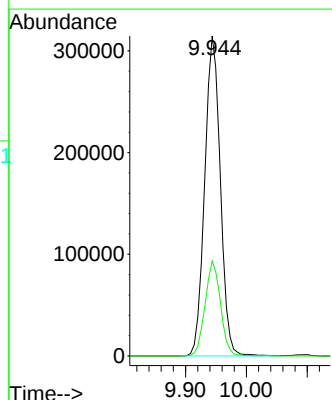
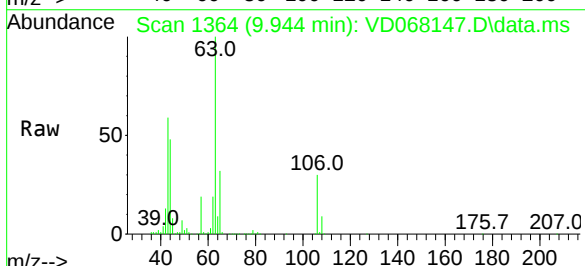
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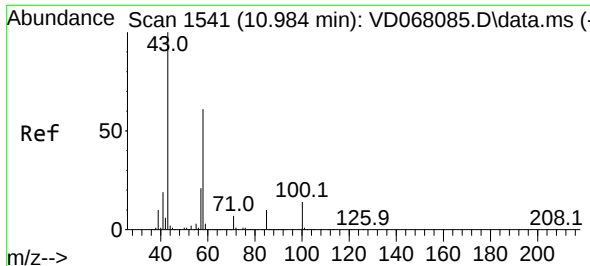
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#58  
2-Chloroethyl Vinyl ether  
Concen: 251.91 ug/l  
RT: 9.944 min Scan# 1364  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion: 63 Resp: 561277  
Ion Ratio Lower Upper  
63 100  
106 29.2 27.0 40.4





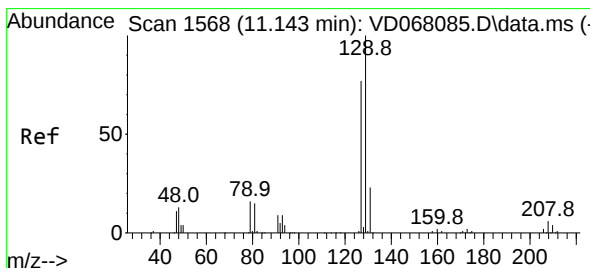
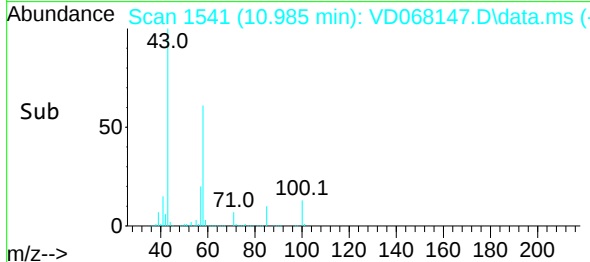
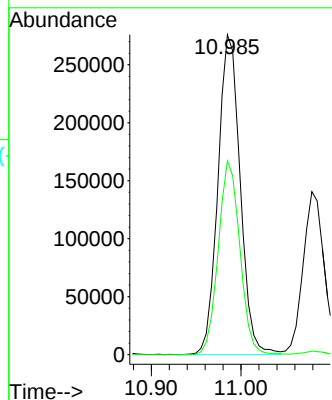
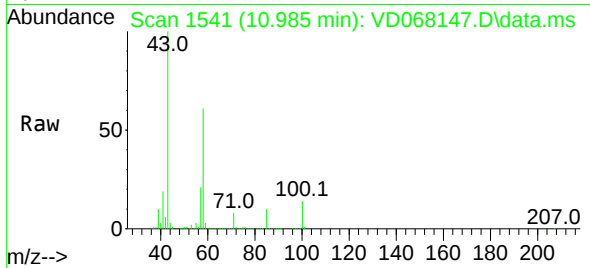
#59  
2-Hexanone  
Concen: 271.41 ug/l  
RT: 10.985 min Scan# 1541  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion: 43 Resp: 475241  
Ion Ratio Lower Upper  
43 100  
58 58.8 31.0 93.0

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

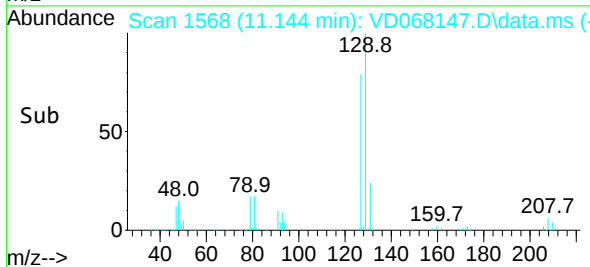
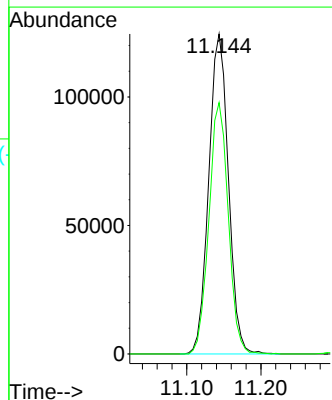
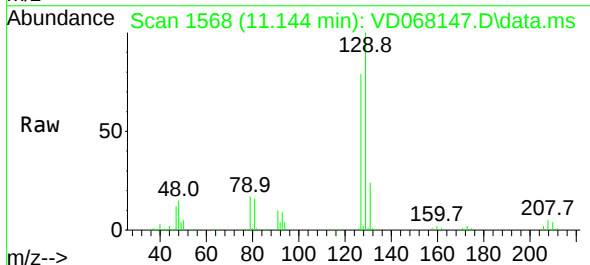
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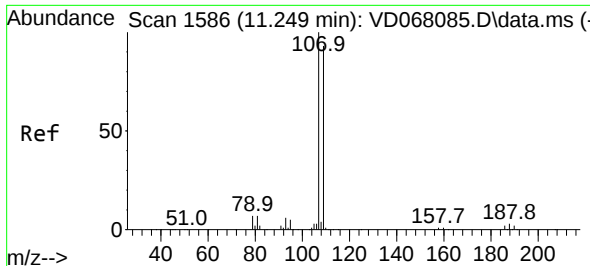
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#60  
Dibromochloromethane  
Concen: 50.40 ug/l  
RT: 11.144 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

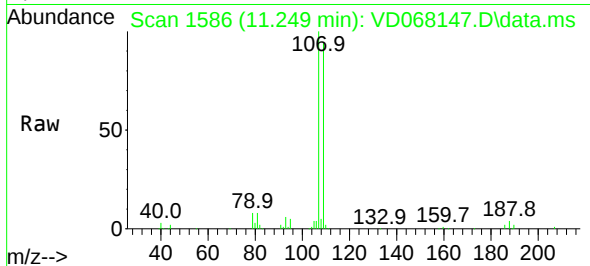
Tgt Ion: 129 Resp: 229026  
Ion Ratio Lower Upper  
129 100  
127 77.3 38.6 116.0





#61  
1,2-Dibromoethane  
Concen: 49.98 ug/l  
RT: 11.249 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

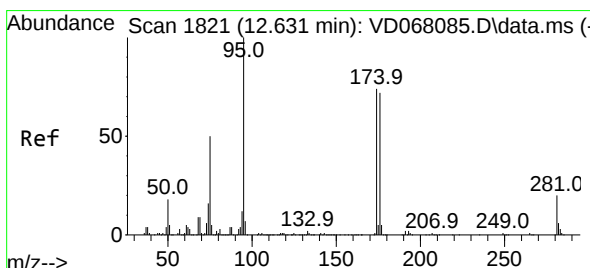
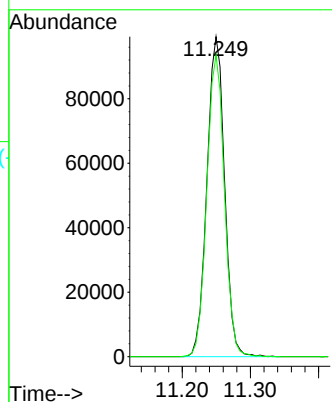
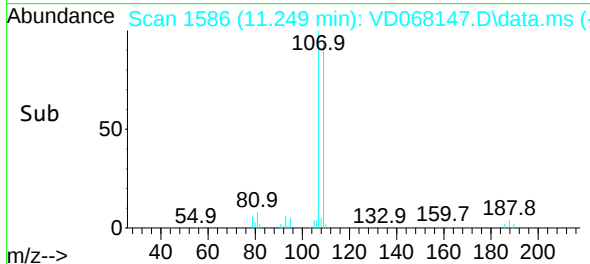
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050



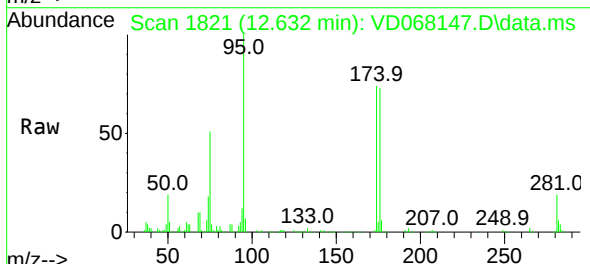
Tgt Ion:107 Resp: 178734  
Ion Ratio Lower Upper  
107 100  
109 94.1 74.8 112.2

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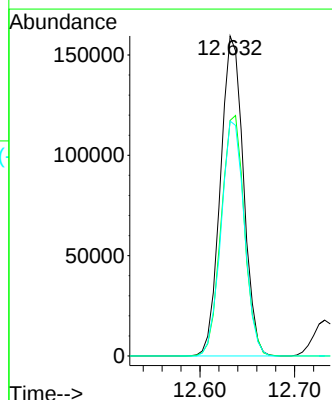
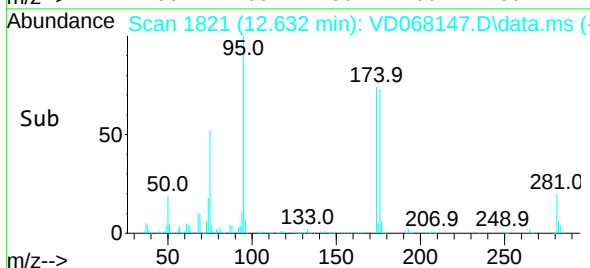
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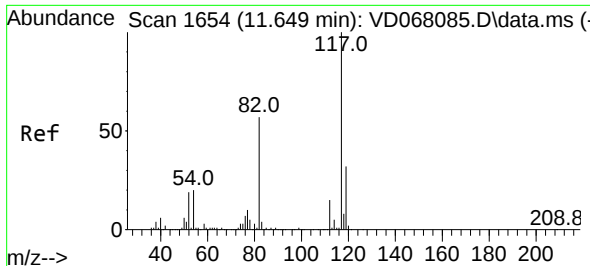


#62  
4-Bromofluorobenzene  
Concen: 46.18 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



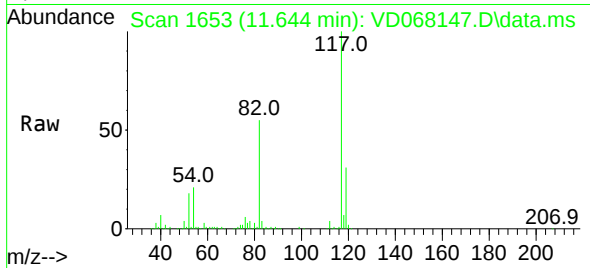
Tgt Ion: 95 Resp: 268812  
Ion Ratio Lower Upper  
95 100  
174 75.8 0.0 172.4  
176 74.1 0.0 168.4





#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. -0.005 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

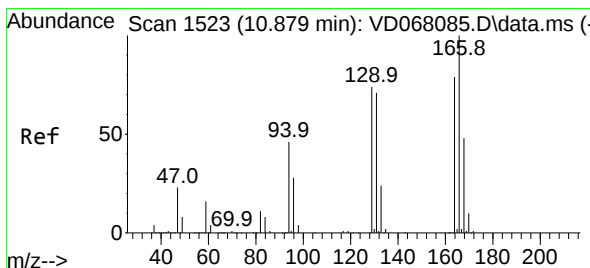
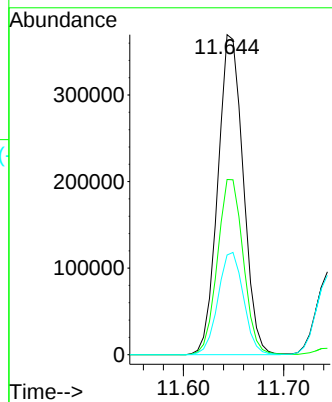
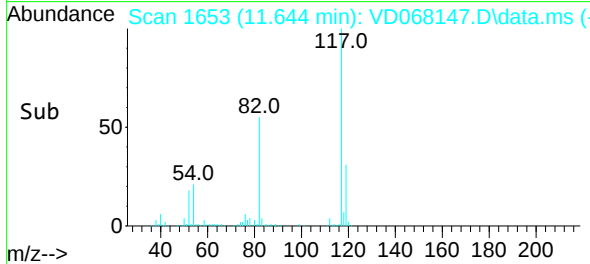
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050



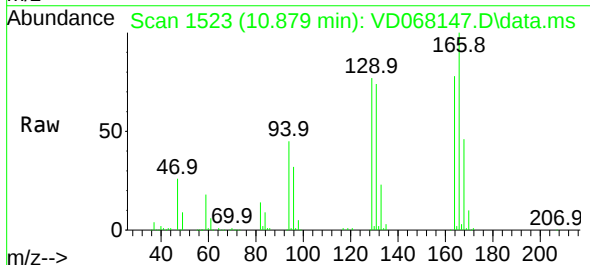
Tgt Ion:117 Resp: 648817  
Ion Ratio Lower Upper  
117 100  
82 54.7 41.4 62.0  
119 31.1 26.1 39.1

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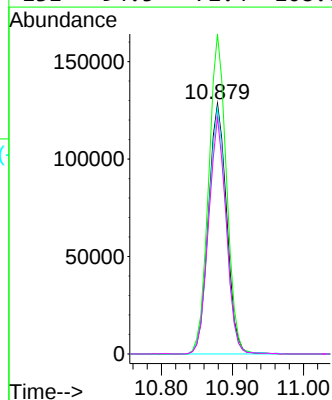
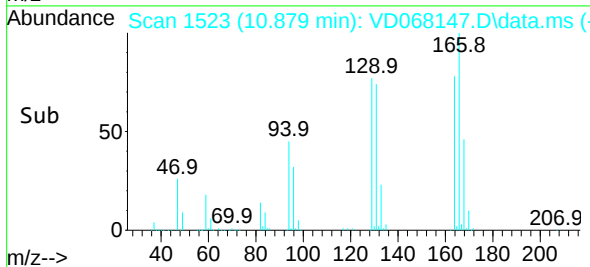
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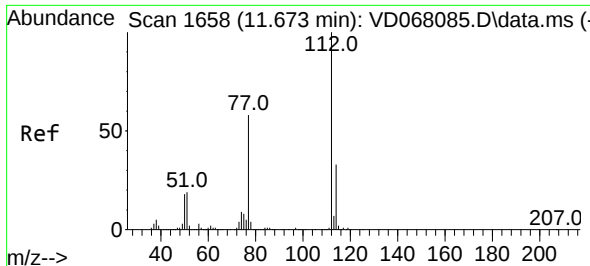


#64  
Tetrachloroethene  
Concen: 49.92 ug/l  
RT: 10.879 min Scan# 1523  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



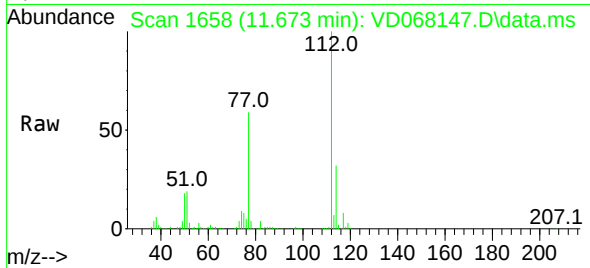
Tgt Ion:164 Resp: 228274  
Ion Ratio Lower Upper  
164 100  
166 127.8 105.5 158.3  
129 98.1 75.6 113.4  
131 94.5 72.4 108.6





#65  
Chlorobenzene  
Concen: 50.50 ug/l  
RT: 11.673 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

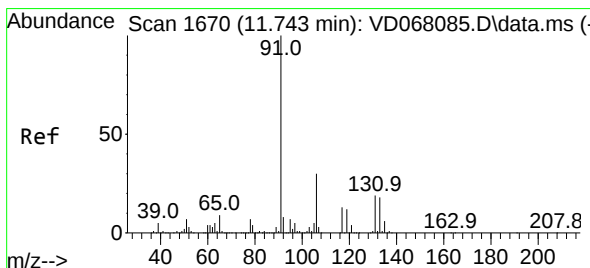
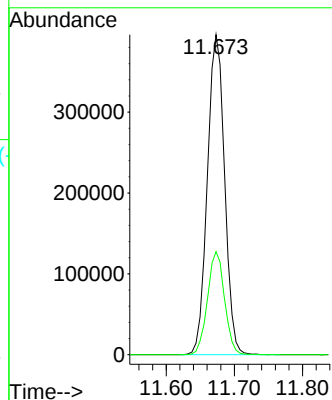
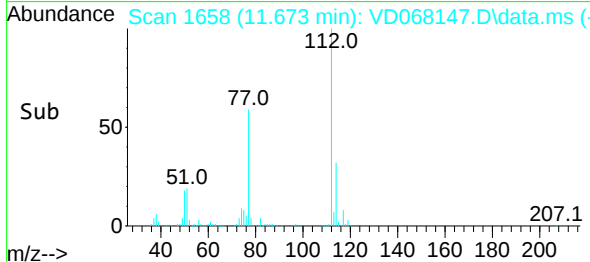
Instrument :  
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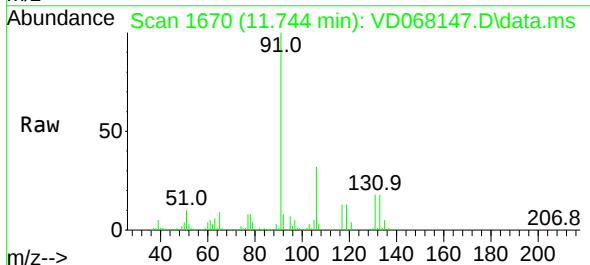
Tgt Ion:112 Resp: 696156  
Ion Ratio Lower Upper  
112 100  
114 32.2 25.7 38.5

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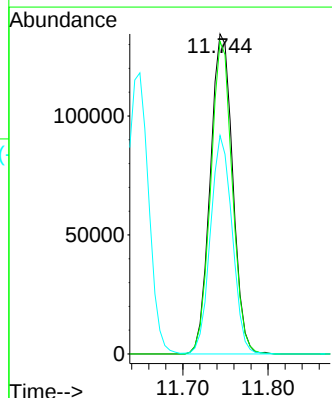
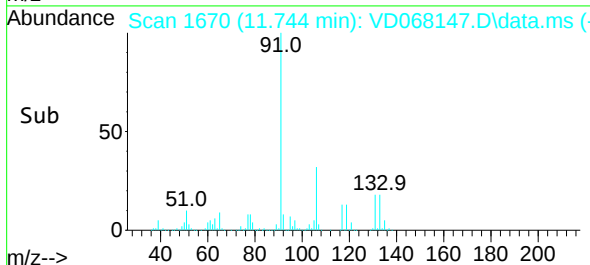
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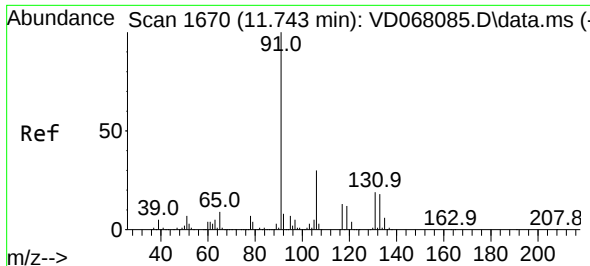


#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.68 ug/l  
RT: 11.744 min Scan# 1670  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



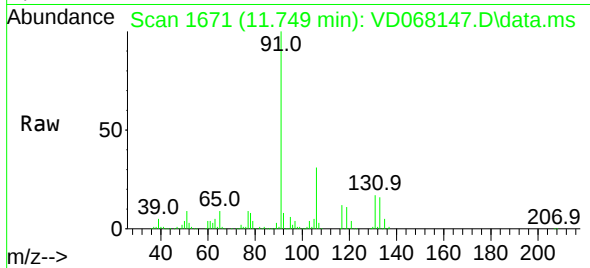
Tgt Ion:131 Resp: 245757  
Ion Ratio Lower Upper  
131 100  
133 93.9 48.1 144.4  
119 66.2 31.6 94.8





#67  
Ethyl Benzene  
Concen: 50.91 ug/l  
RT: 11.749 min Scan# 1671  
Delta R.T. 0.006 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

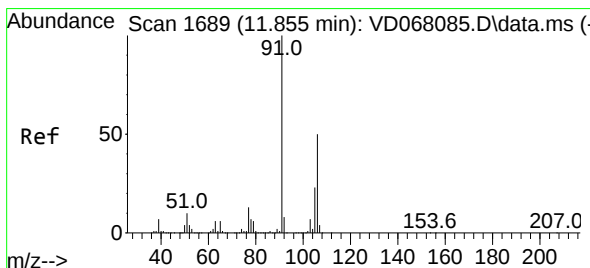
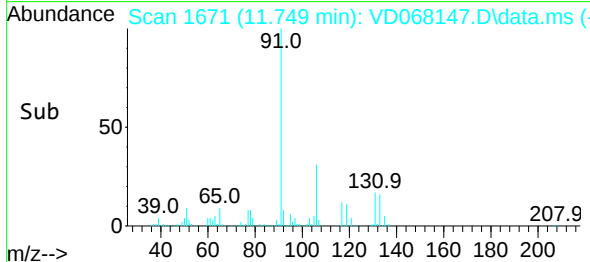
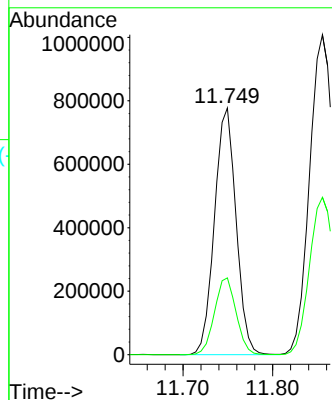
Instrument :  
MSVOA\_D  
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Tgt Ion: 91 Resp: 1299483  
Ion Ratio Lower Upper  
91 100  
106 31.1 25.9 38.9

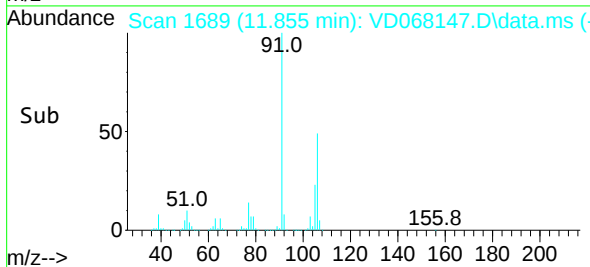
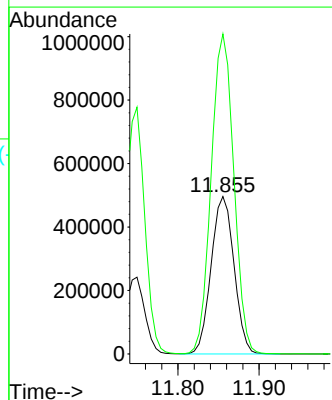
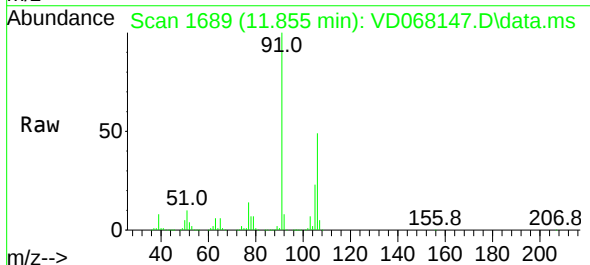
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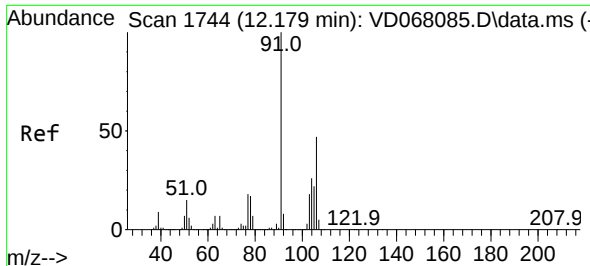
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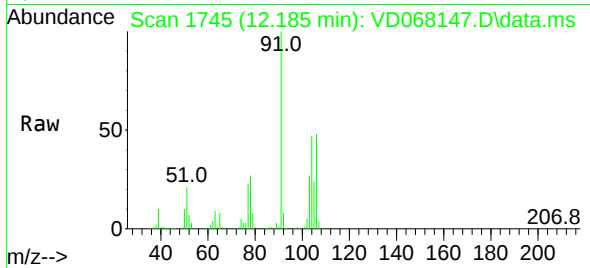
#68  
m/p-Xylenes  
Concen: 100.81 ug/l  
RT: 11.855 min Scan# 1689  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion: 106 Resp: 971423  
Ion Ratio Lower Upper  
106 100  
91 200.9 159.1 238.7

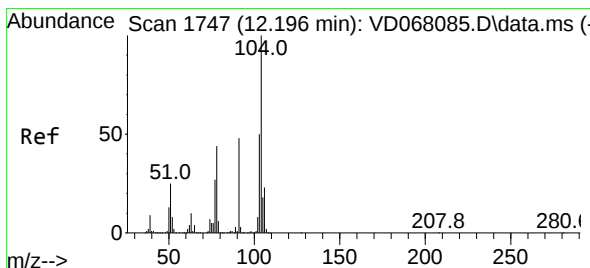
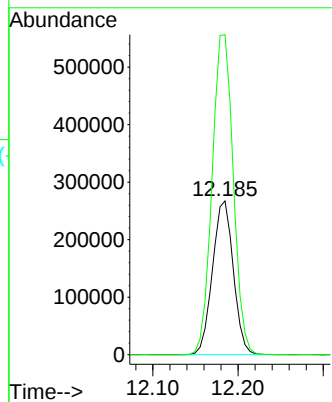
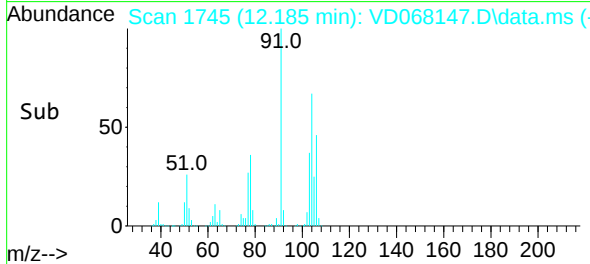




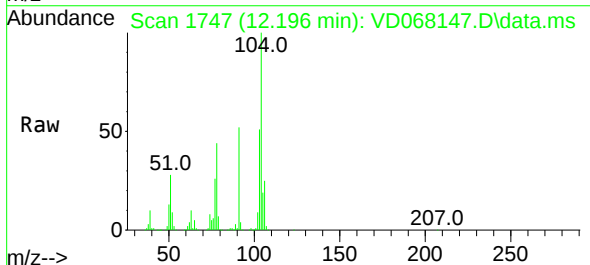
#69  
o-Xylene  
Concen: 50.73 ug/l  
RT: 12.185 min Scan# 1745  
Delta R.T. 0.006 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



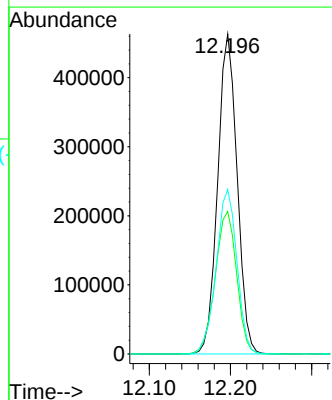
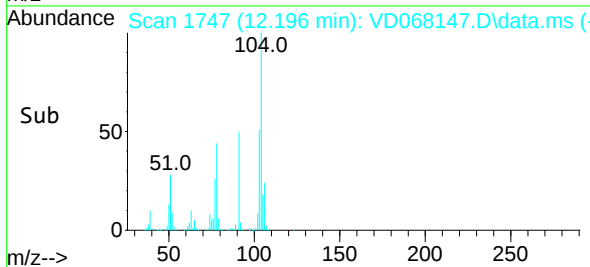
Tgt Ion:106 Resp: 454020  
Ion Ratio Lower Upper  
106 100  
91 211.8 108.7 325.9



#70  
Styrene  
Concen: 50.49 ug/l  
RT: 12.196 min Scan# 1747  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



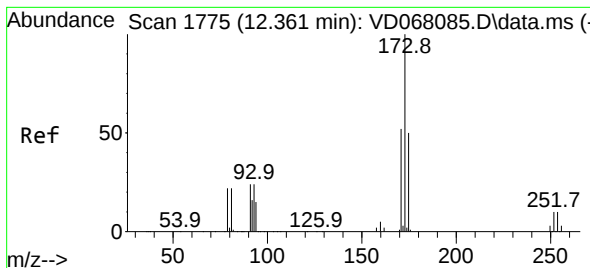
Tgt Ion:104 Resp: 771273  
Ion Ratio Lower Upper  
104 100  
78 49.1 38.2 57.2  
103 54.9 43.1 64.7



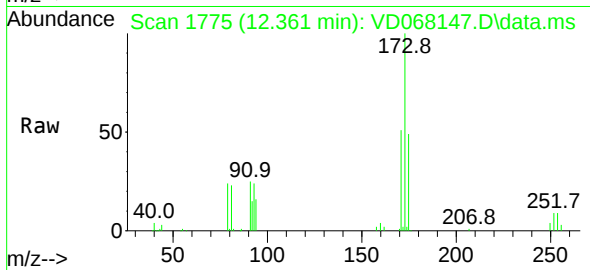
Instrument :  
MSVOA\_D  
ClientSampleId :  
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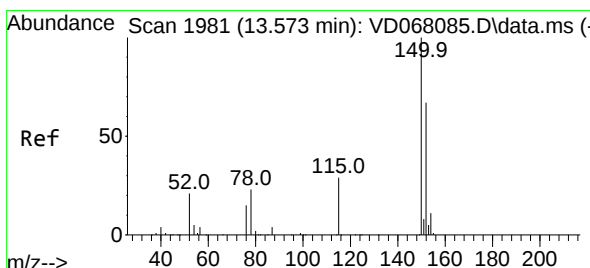
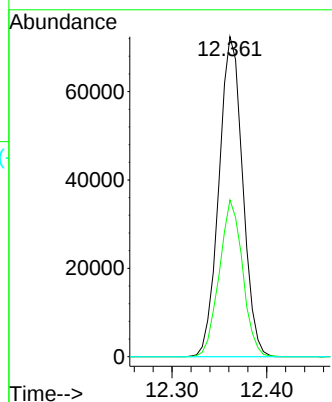
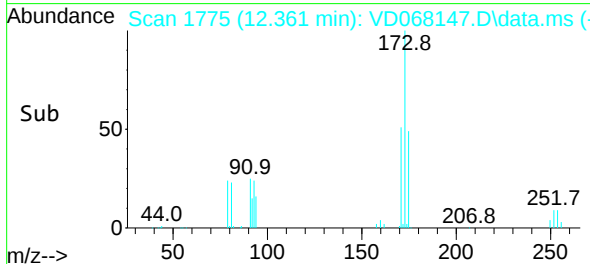
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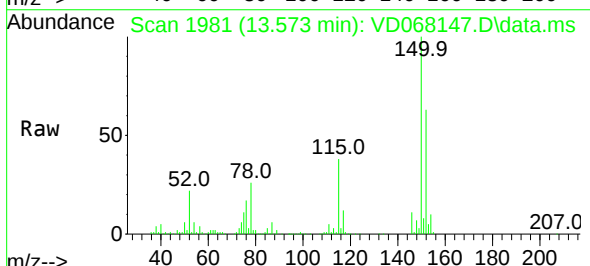
#71  
Bromoform  
Concen: 51.37 ug/l  
RT: 12.361 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



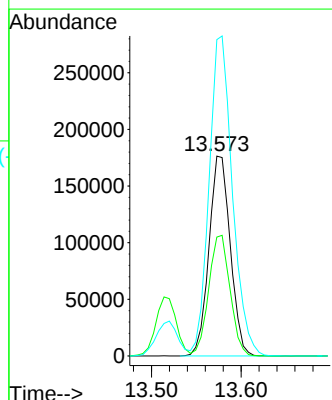
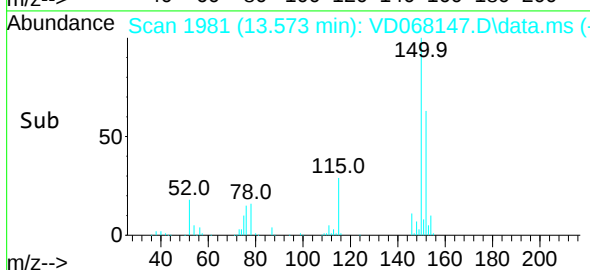
Tgt Ion:173 Resp: 126251  
Ion Ratio Lower Upper  
173 100  
175 48.1 24.6 73.8  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



Tgt Ion:152 Resp: 291090  
Ion Ratio Lower Upper  
152 100  
115 60.4 28.9 86.8  
150 174.9 0.0 344.4



Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

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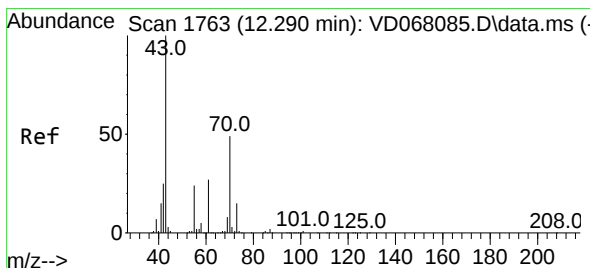
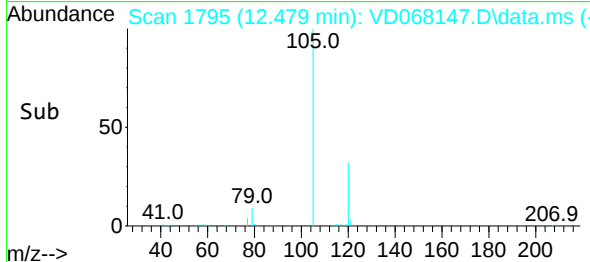
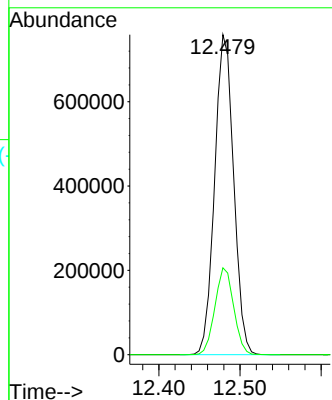
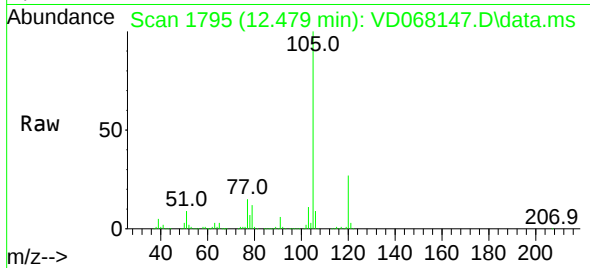
#73  
Isopropylbenzene  
Concen: 50.96 ug/l  
RT: 12.479 min Scan# 1795  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion: 105 Resp: 1234439  
Ion Ratio Lower Upper  
105 100  
120 26.8 13.2 39.6

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

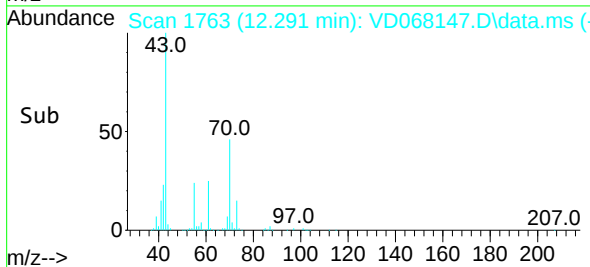
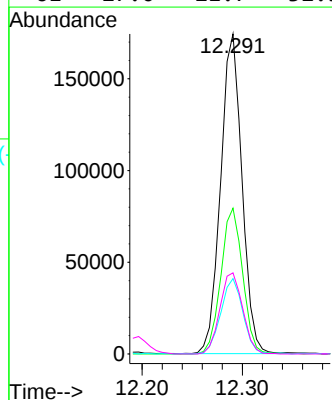
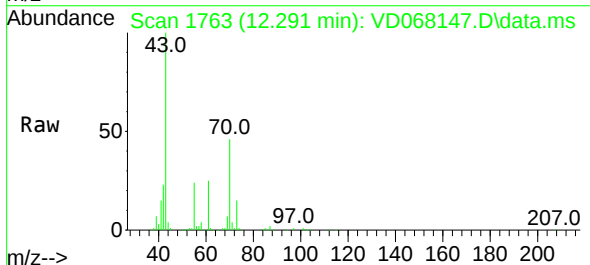
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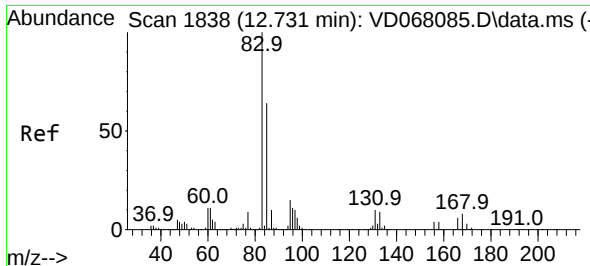
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#74  
N-ethyl acetate  
Concen: 51.18 ug/l  
RT: 12.291 min Scan# 1763  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion: 43 Resp: 257696  
Ion Ratio Lower Upper  
43 100  
70 46.5 41.8 62.8  
55 24.7 24.2 36.4  
61 27.0 21.7 32.5





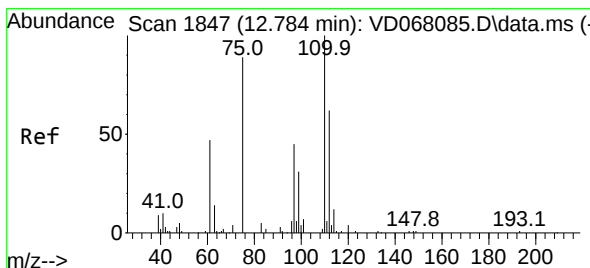
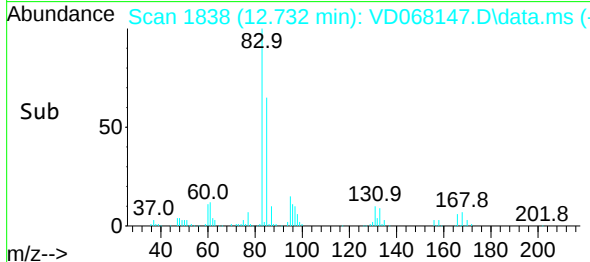
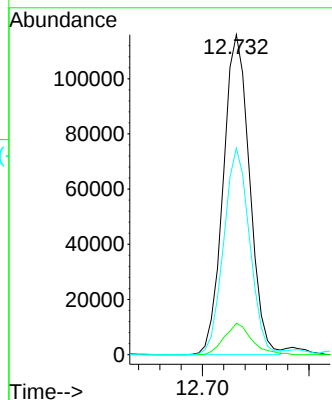
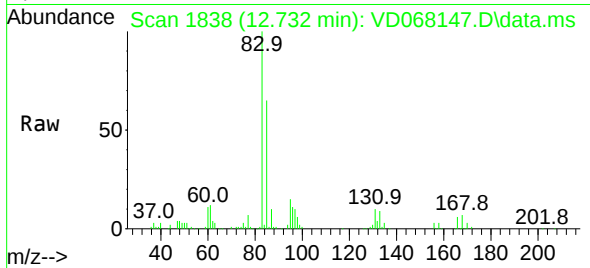
#75  
1,1,2,2-Tetrachloroethane  
Concen: 51.57 ug/l  
RT: 12.732 min Scan# 1838  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion: 83 Resp: 198670  
Ion Ratio Lower Upper  
83 100  
131 10.2 5.8 17.4  
85 63.7 32.4 97.2

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

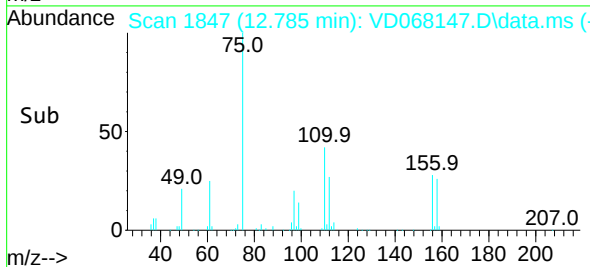
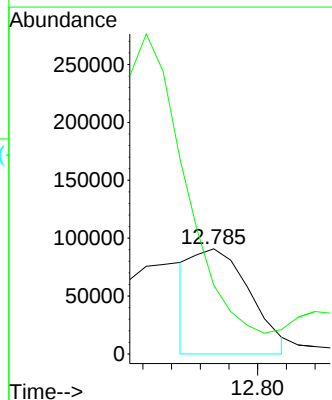
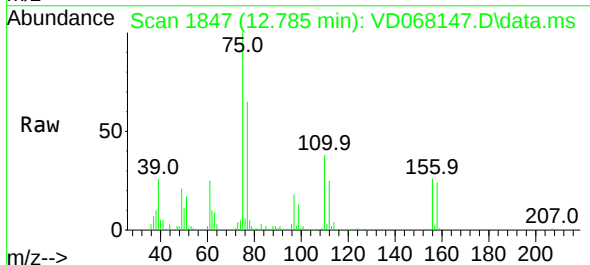
Manual Integrations  
APPROVED

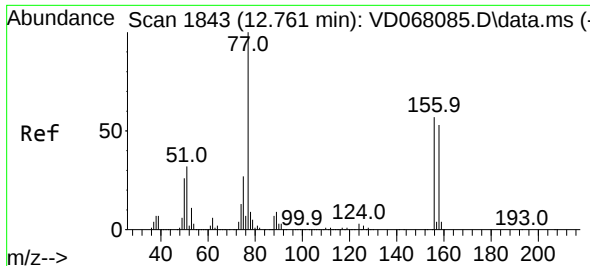
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#76  
1,2,3-Trichloropropane  
Concen: 45.14 ug/l m  
RT: 12.785 min Scan# 1847  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion: 75 Resp: 127043  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





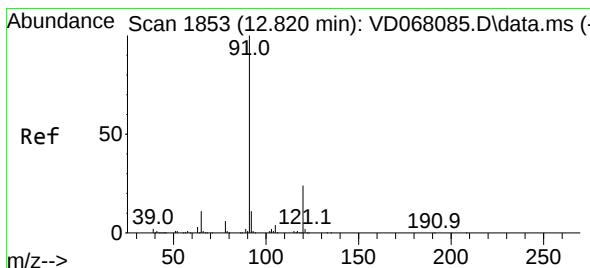
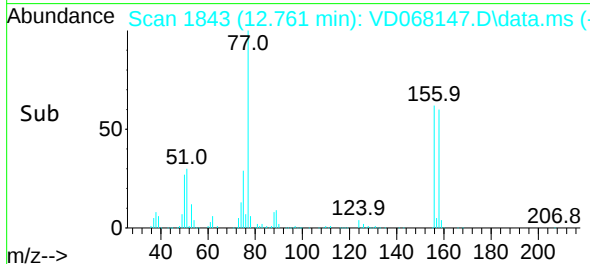
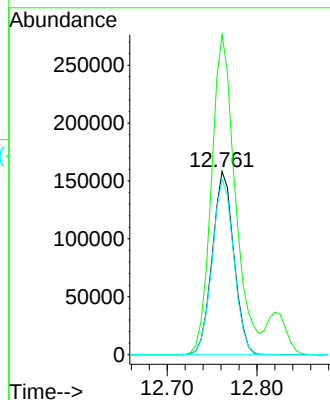
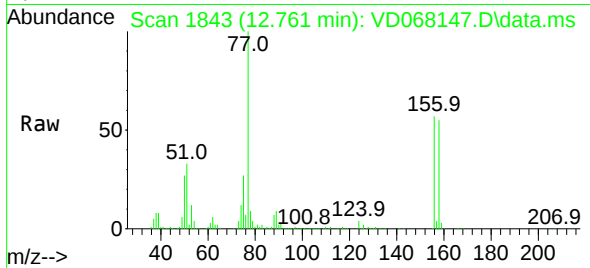
#77  
Bromobenzene  
Concen: 50.68 ug/l  
RT: 12.761 min Scan# 1843  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion: 156 Resp: 263162  
Ion Ratio Lower Upper  
156 100  
77 192.9 82.8 248.3  
158 96.4 48.0 144.0

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

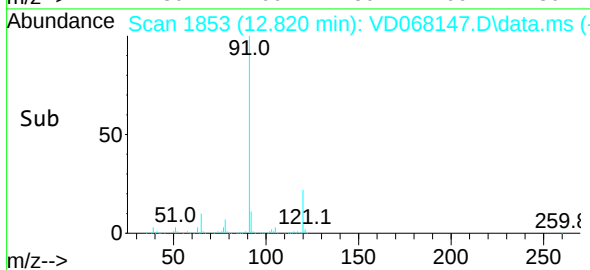
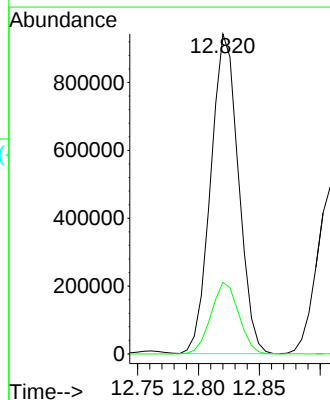
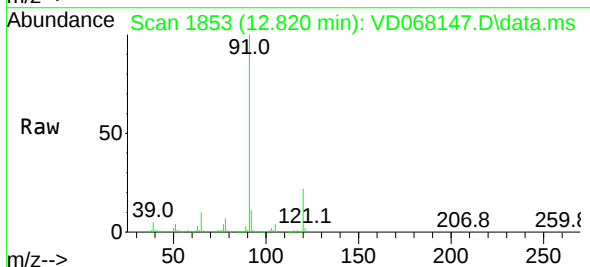
Manual Integrations  
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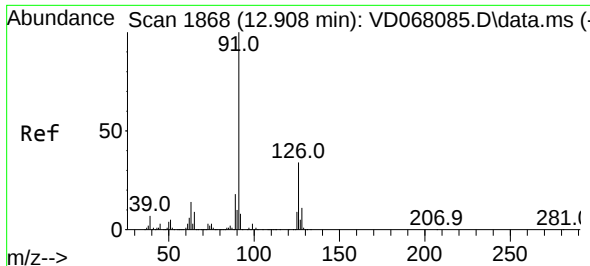
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#78  
n-propylbenzene  
Concen: 52.03 ug/l  
RT: 12.820 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion: 91 Resp: 1490969  
Ion Ratio Lower Upper  
91 100  
120 22.4 12.0 36.0





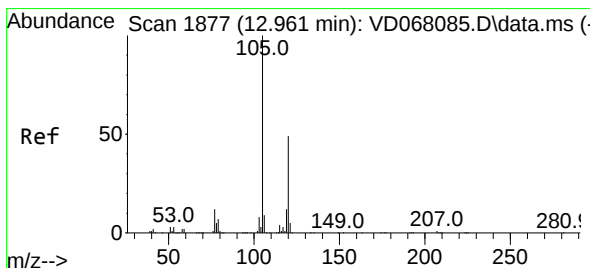
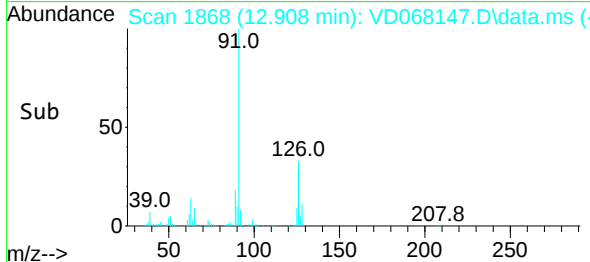
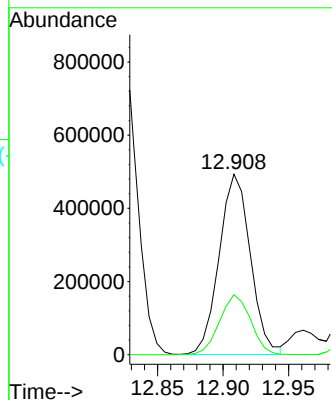
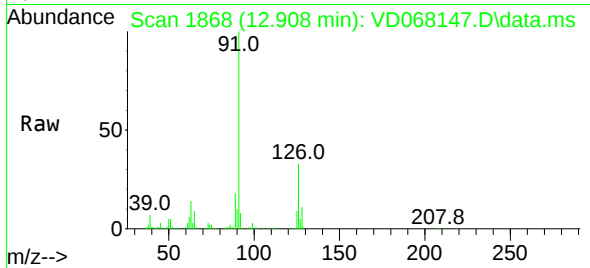
#79  
2-Chlorotoluene  
Concen: 50.84 ug/l  
RT: 12.908 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion: 91 Resp: 817938  
Ion Ratio Lower Upper  
91 100  
126 33.0 17.8 53.5

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

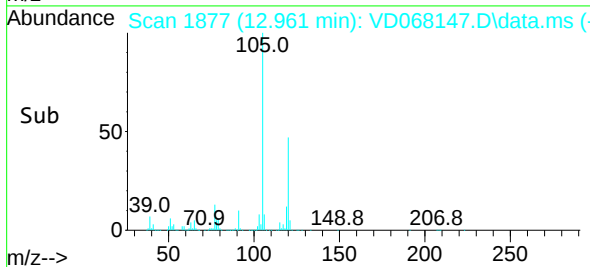
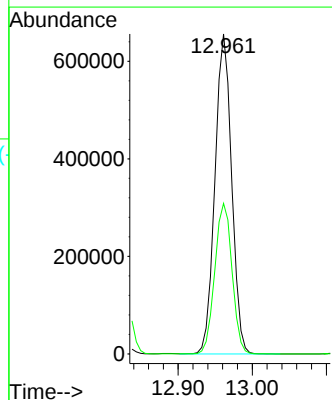
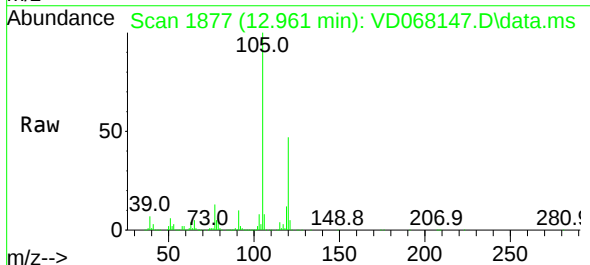
Manual Integrations  
APPROVED

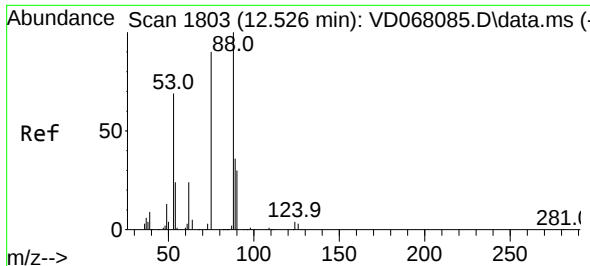
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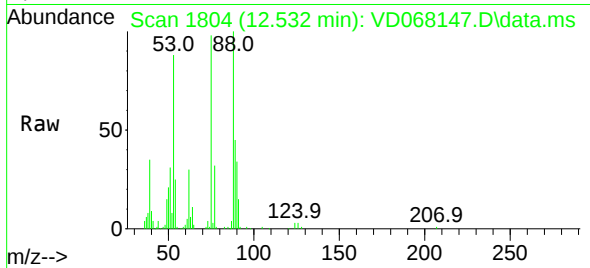
#80  
1,3,5-Trimethylbenzene  
Concen: 50.88 ug/l  
RT: 12.961 min Scan# 1877  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion: 105 Resp: 1026426  
Ion Ratio Lower Upper  
105 100  
120 48.5 24.2 72.6

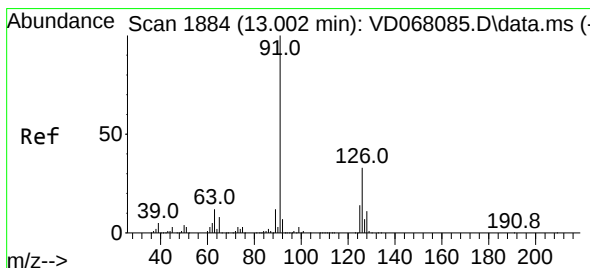
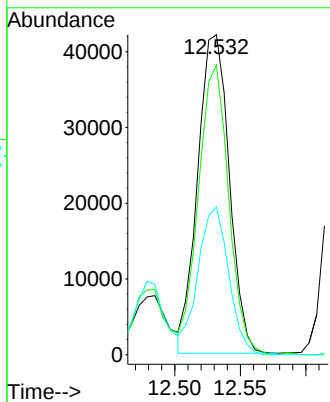
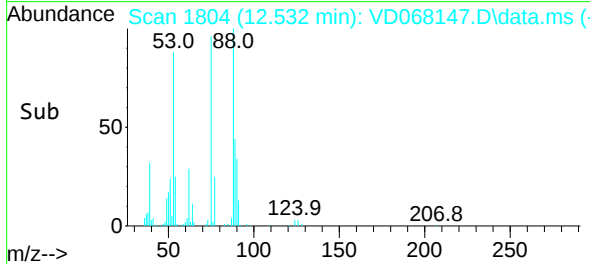




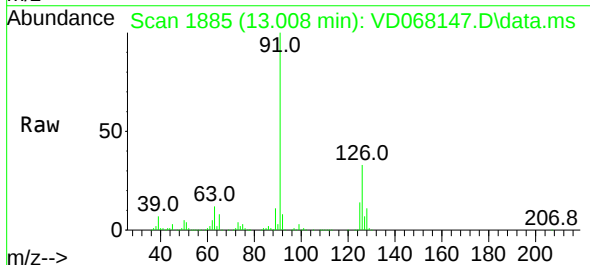
#81  
trans-1,4-Dichloro-2-butene  
Concen: 50.62 ug/l  
RT: 12.532 min Scan# 1804  
Delta R.T. 0.006 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



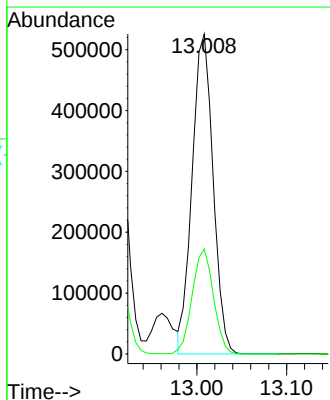
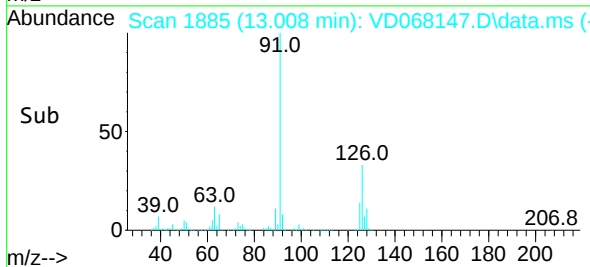
Tgt Ion: 75 Resp: 70410  
Ion Ratio Lower Upper  
75 100  
53 87.4 70.2 105.2  
89 45.3 40.3 60.5



#82  
4-Chlorotoluene  
Concen: 50.98 ug/l  
RT: 13.008 min Scan# 1885  
Delta R.T. 0.006 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



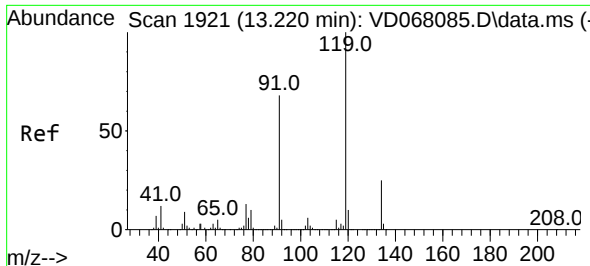
Tgt Ion: 91 Resp: 852849  
Ion Ratio Lower Upper  
91 100  
126 33.3 17.7 53.1



Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

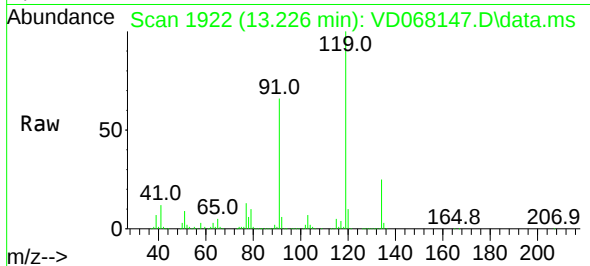
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#83  
tert-Butylbenzene  
Concen: 50.65 ug/l  
RT: 13.226 min Scan# 1922  
Delta R.T. 0.006 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

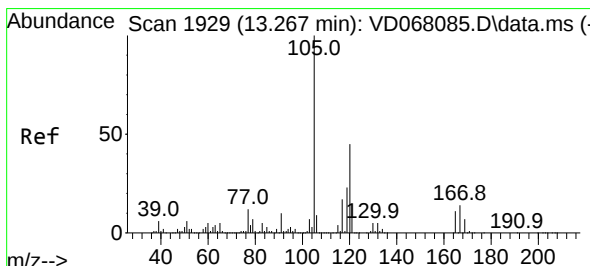
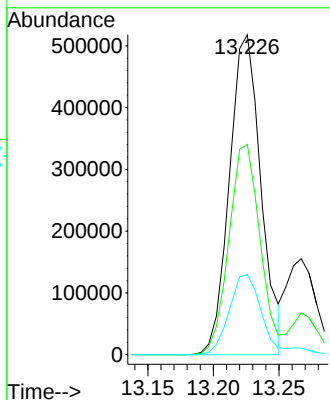
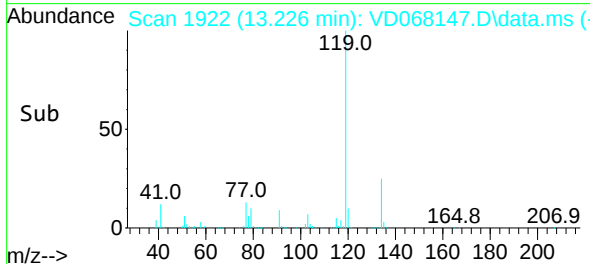
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050



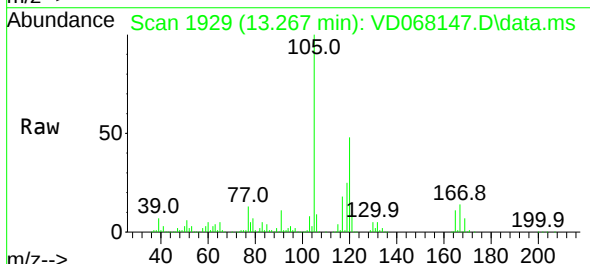
Tgt Ion:119 Resp: 865840  
Ion Ratio Lower Upper  
119 100  
91 65.0 31.1 93.5  
134 26.8 13.3 39.8

Manual Integrations  
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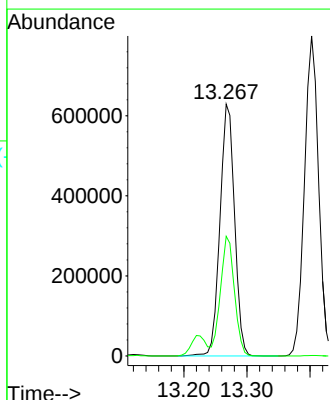
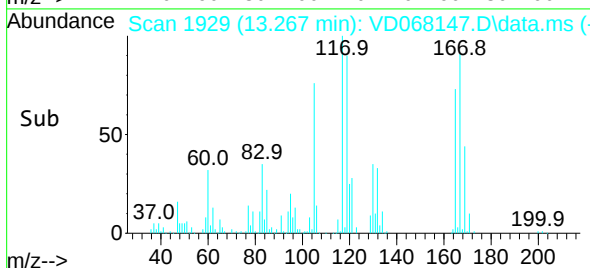
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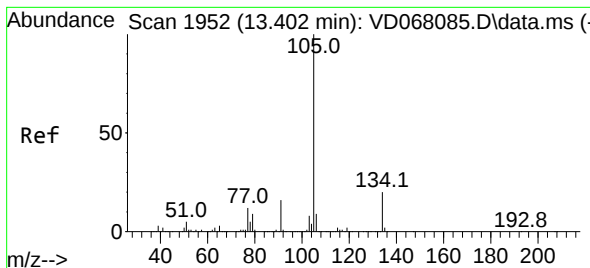


#84  
1,2,4-Trimethylbenzene  
Concen: 50.45 ug/l  
RT: 13.267 min Scan# 1929  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



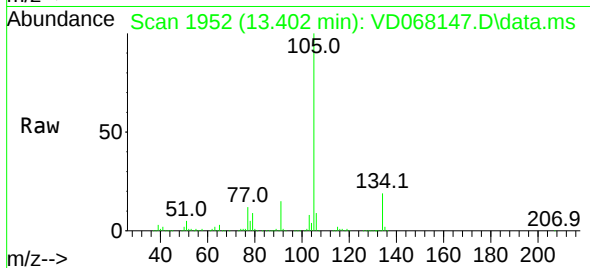
Tgt Ion:105 Resp: 1010104  
Ion Ratio Lower Upper  
105 100  
120 45.3 22.4 67.0





#85  
 sec-Butylbenzene  
 Concen: 51.80 ug/l  
 RT: 13.402 min Scan# 1952  
 Delta R.T. 0.000 min  
 Lab File: VD068147.D  
 Acq: 22 Jan 2021 11:17

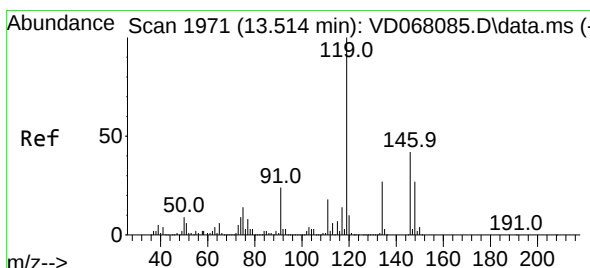
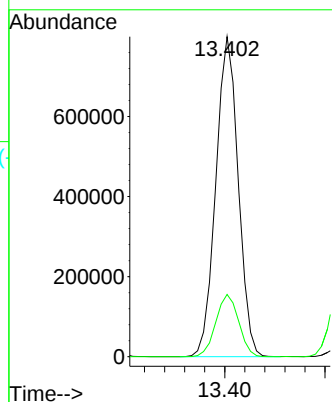
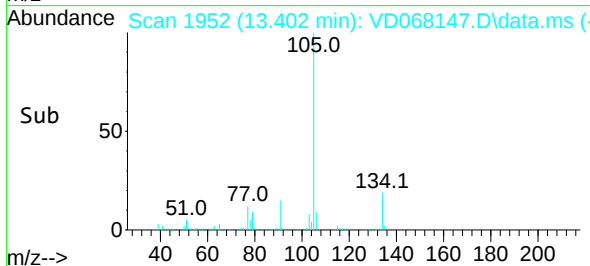
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 ClientSampleId :  
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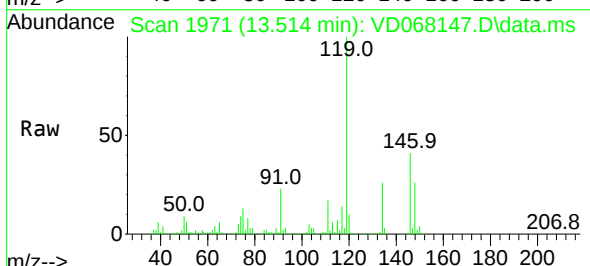
Tgt Ion:105 Resp: 1238461  
 Ion Ratio Lower Upper  
 105 100  
 134 19.8 10.3 30.9

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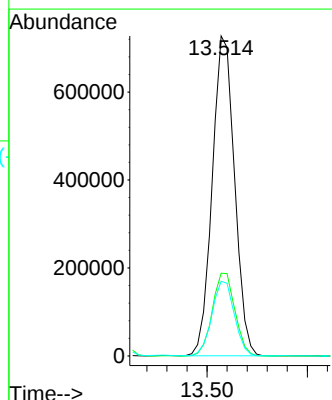
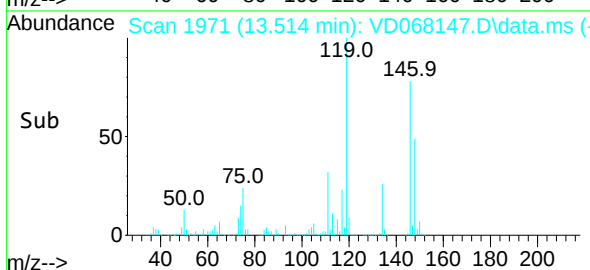
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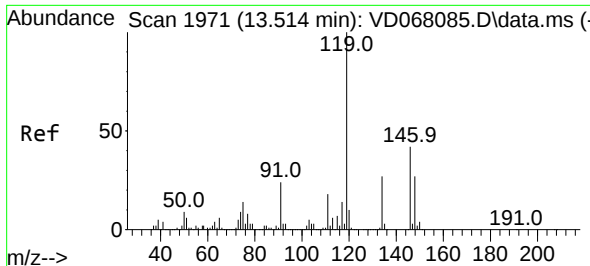


#86  
 p-Isopropyltoluene  
 Concen: 51.67 ug/l  
 RT: 13.514 min Scan# 1971  
 Delta R.T. 0.000 min  
 Lab File: VD068147.D  
 Acq: 22 Jan 2021 11:17

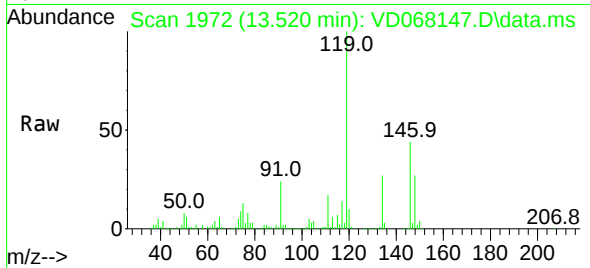


Tgt Ion:119 Resp: 1123664  
 Ion Ratio Lower Upper  
 119 100  
 134 26.2 12.9 38.7  
 91 23.4 11.7 35.0

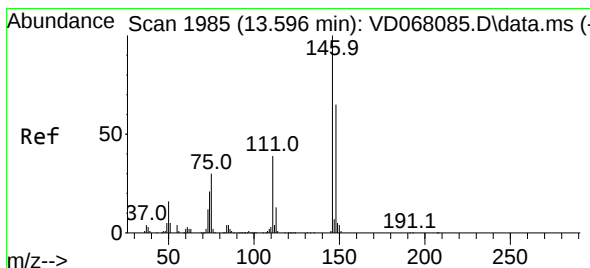
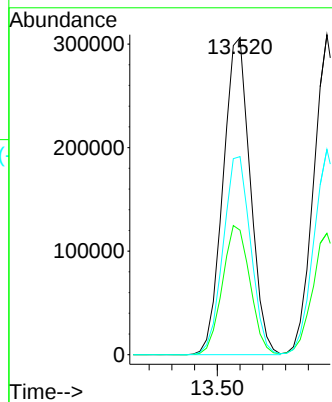
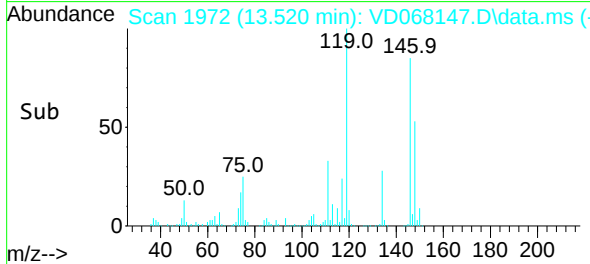




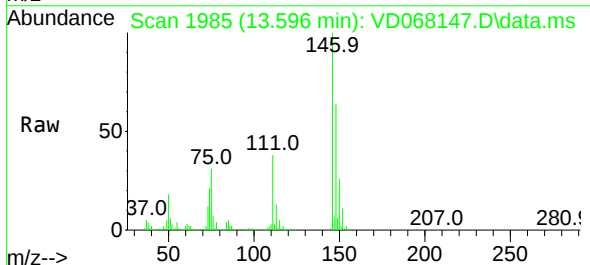
#87  
1,3-Dichlorobenzene  
Concen: 50.90 ug/l  
RT: 13.520 min Scan# 1972  
Delta R.T. 0.006 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



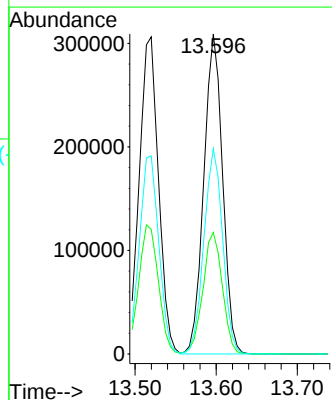
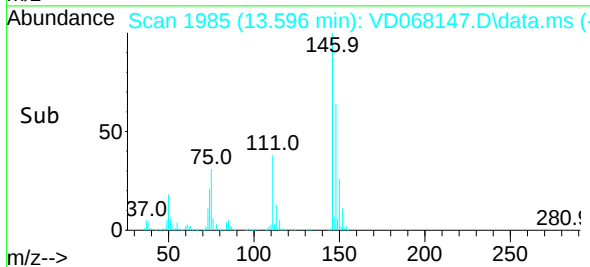
Tgt Ion:146 Resp: 508198  
Ion Ratio Lower Upper  
146 100  
111 41.5 19.5 58.5  
148 63.3 31.6 95.0



#88  
1,4-Dichlorobenzene  
Concen: 50.44 ug/l  
RT: 13.596 min Scan# 1985  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



Tgt Ion:146 Resp: 496145  
Ion Ratio Lower Upper  
146 100  
111 39.2 19.1 57.1  
148 64.2 31.9 95.7



Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

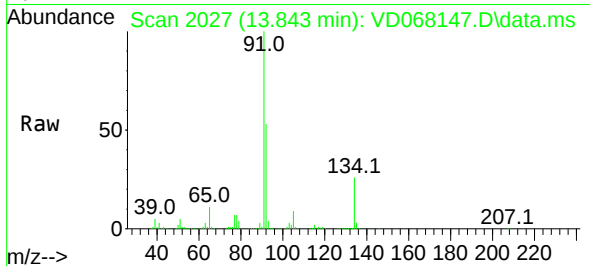
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#89  
n-Butylbenzene  
Concen: 52.31 ug/l  
RT: 13.843 min Scan# 2027  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

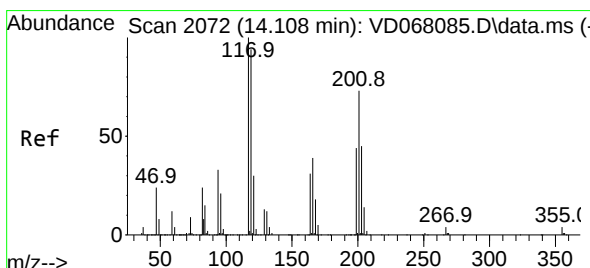
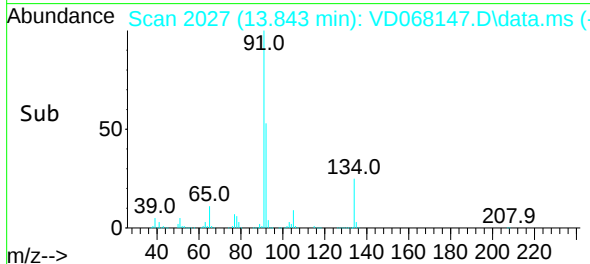
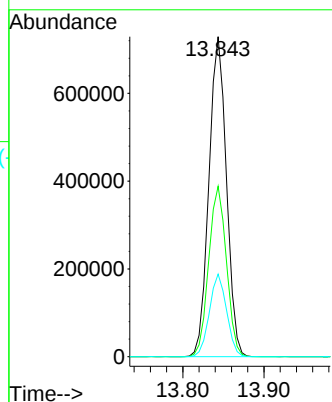


Tgt Ion: 91 Resp: 1091643

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 53.9  | 27.2  | 81.6  |
| 134 | 25.3  | 13.9  | 41.7  |

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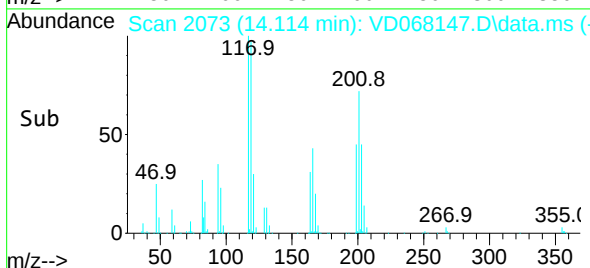
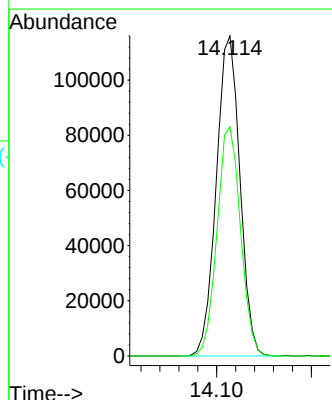
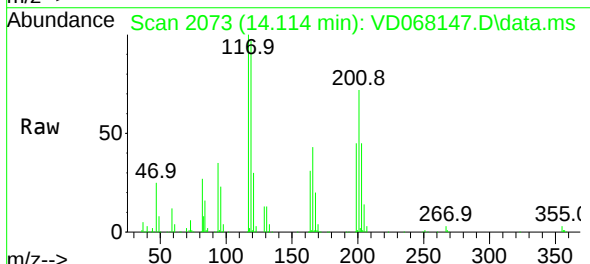
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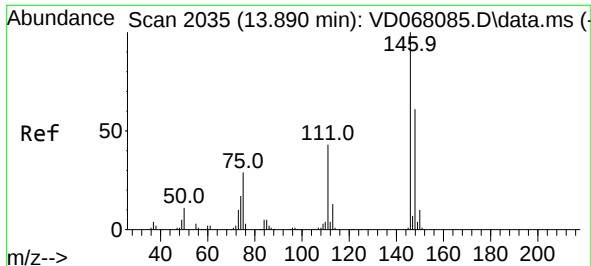


#90  
Hexachloroethane  
Concen: 51.18 ug/l  
RT: 14.114 min Scan# 2073  
Delta R.T. 0.006 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

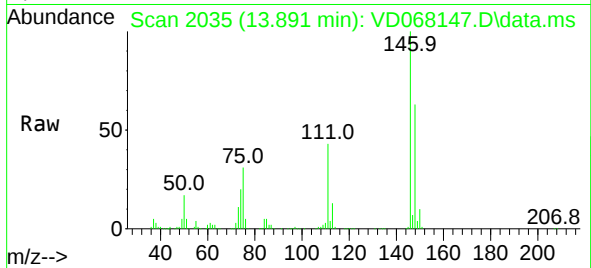
Tgt Ion: 117 Resp: 201036

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 201 | 71.2  | 39.5  | 118.5 |

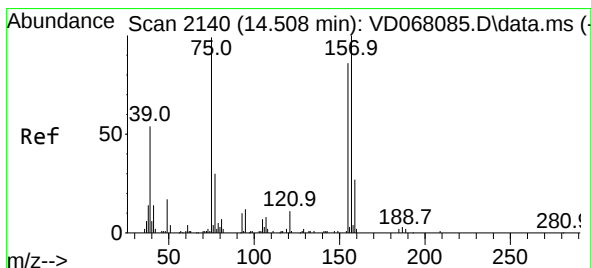
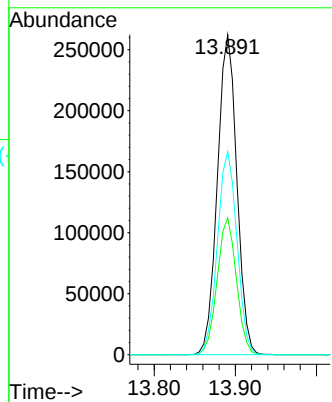
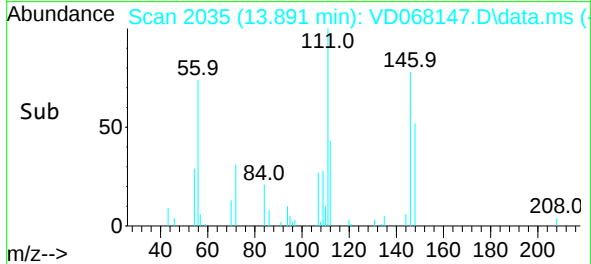




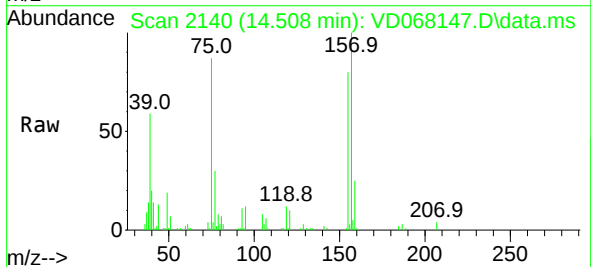
#91  
1,2-Dichlorobenzene  
Concen: 51.13 ug/l  
RT: 13.891 min Scan# 2035  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



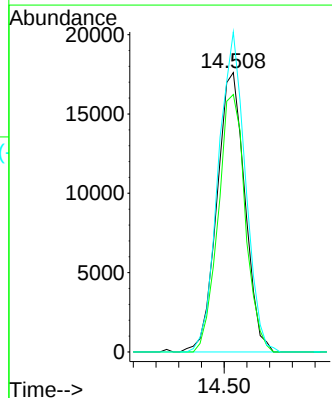
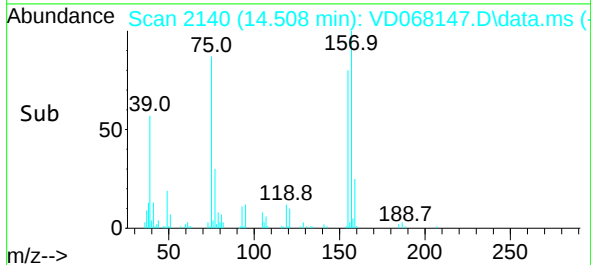
Tgt Ion:146 Resp: 437263  
Ion Ratio Lower Upper  
146 100  
111 42.2 20.3 60.9  
148 63.9 31.7 95.1



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 47.64 ug/l  
RT: 14.508 min Scan# 2140  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17



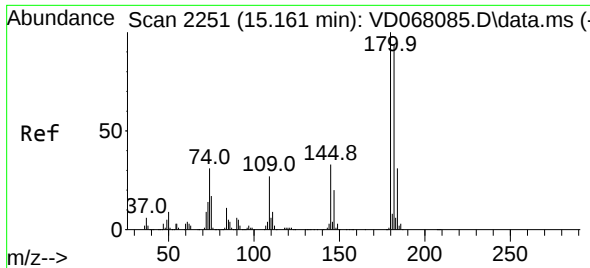
Tgt Ion: 75 Resp: 30041  
Ion Ratio Lower Upper  
75 100  
155 89.4 48.0 144.2  
157 110.9 65.0 194.8



Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

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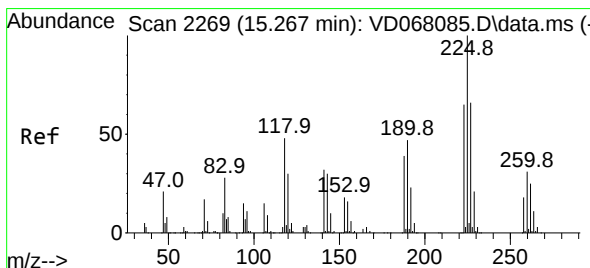
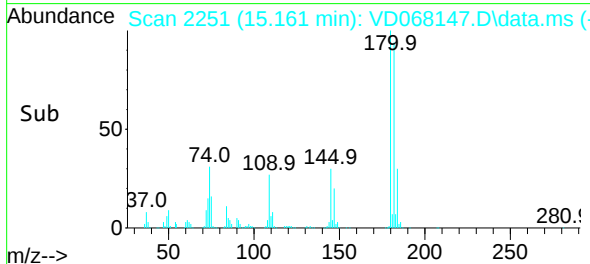
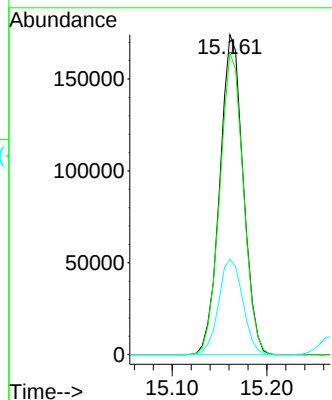
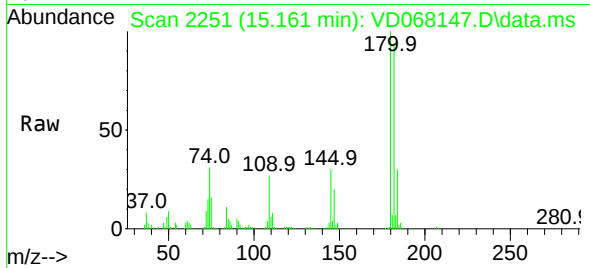
#93  
1,2,4-Trichlorobenzene  
Concen: 50.94 ug/l  
RT: 15.161 min Scan# 2251  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion:180 Resp: 298672  
Ion Ratio Lower Upper  
180 100  
182 95.2 46.8 140.4  
145 30.8 15.2 45.5

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

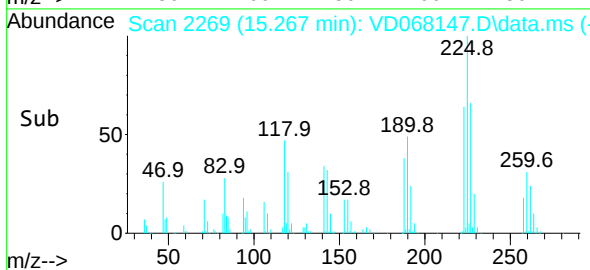
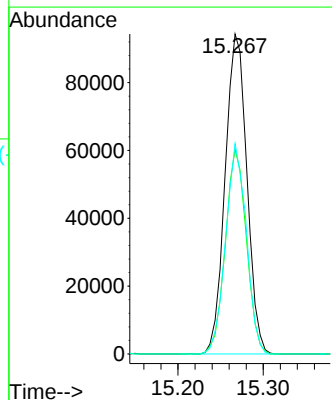
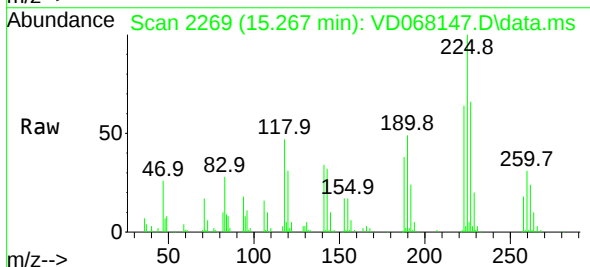
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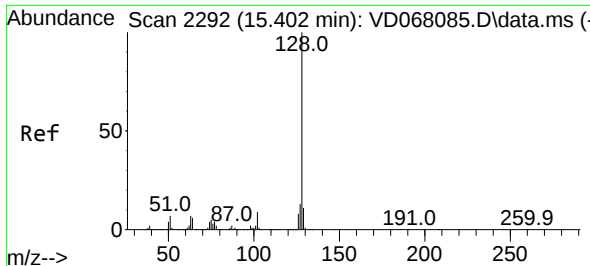
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#94  
Hexachlorobutadiene  
Concen: 51.45 ug/l  
RT: 15.267 min Scan# 2269  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion:225 Resp: 167211  
Ion Ratio Lower Upper  
225 100  
223 61.8 31.9 95.5  
227 62.7 32.1 96.5





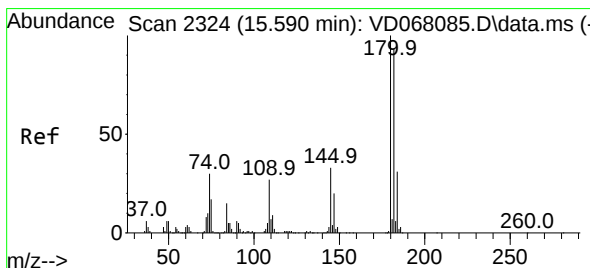
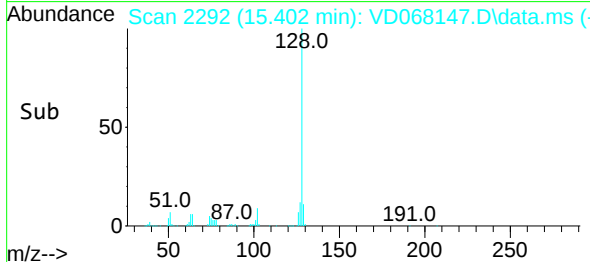
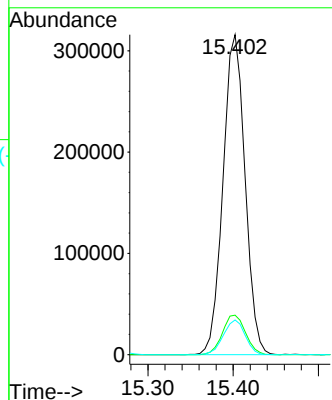
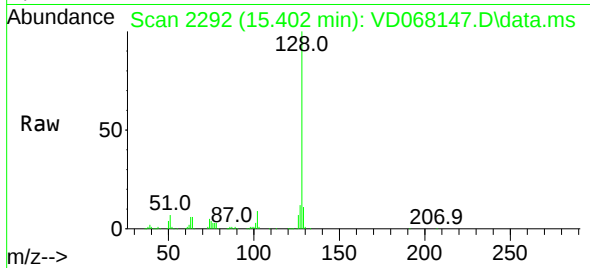
#95  
Naphthalene  
Concen: 51.68 ug/l  
RT: 15.402 min Scan# 2292  
Delta R.T. 0.000 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion:128 Resp: 568041  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.2 15.2  
129 10.8 8.8 13.2

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 51.68 ug/l  
RT: 15.596 min Scan# 2325  
Delta R.T. 0.006 min  
Lab File: VD068147.D  
Acq: 22 Jan 2021 11:17

Tgt Ion:180 Resp: 255595  
Ion Ratio Lower Upper  
180 100  
182 95.0 48.3 144.8  
145 32.5 16.7 50.1

