

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052721\  
 Data File : VX022216.D  
 Acq On : 26 May 2021 23:45  
 Operator : JC/MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020

Manual Integrations  
 APPROVED

MMDadoda  
 5/28/2021 2:34:34 PM

Quant Time: May 27 04:59:55 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X051321W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu May 13 06:11:35 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon     | Response | Conc      | Units  | Dev(Min) |
|------------------------------|--------|----------|----------|-----------|--------|----------|
| -----                        |        |          |          |           |        |          |
| Internal Standards           |        |          |          |           |        |          |
| 1) Bromochloromethane        | 4.904  | 128      | 16426    | 30.00     | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 6.769  | 114      | 96162    | 30.00     | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 10.055 | 117      | 85703    | 30.00     | ug/l   | 0.00     |
| System Monitoring Compounds  |        |          |          |           |        |          |
| 27) 1,2-Dichloroethane-d4    | 5.964  | 65       | 39275    | 31.04     | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range  | 91 - 110 | Recovery | = 103.47% |        |          |
| 60) 4-Bromofluorobenzene     | 11.085 | 95       | 43305    | 30.45     | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range  | 63 - 112 | Recovery | = 101.50% |        |          |
| 63) Toluene-d8               | 8.653  | 98       | 119354   | 30.48     | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range  | 91 - 112 | Recovery | = 101.60% |        |          |
| Target Compounds             |        |          |          |           |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.173  | 85       | 20781    | 21.43     | ug/l   | 96       |
| 3) Chloromethane             | 1.294  | 50       | 21253    | 18.25     | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.374  | 62       | 22881    | 18.92     | ug/l   | 96       |
| 5) Bromomethane              | 1.605  | 94       | 13143    | 19.31     | ug/l   | 97       |
| 6) Chloroethane              | 1.685  | 64       | 14292    | 18.35     | ug/l   | 93       |
| 7) Trichlorofluoromethane    | 1.886  | 101      | 33369    | 19.74     | ug/l   | 98       |
| 8) Diethyl Ether             | 2.142  | 74       | 13583    | 18.74     | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101      | 19062    | 19.67     | ug/l   | 98       |
| 10) 1,1-Dichloroethene       | 2.319  | 96       | 19461    | 19.93     | ug/l   | 97       |
| 11) Methyl Iodide            | 2.453  | 142      | 19969    | 20.57     | ug/l   | 92       |
| 12) Methyl Acetate           | 2.715  | 43       | 30944    | 22.92     | ug/l   | 97       |
| 13) Acrolein                 | 2.239  | 56       | 30349    | 144.96    | ug/l   | 98       |
| 14) Acrylonitrile            | 3.075  | 53       | 61432    | 111.52    | ug/l   | 97       |
| 15) Acetone                  | 2.386  | 58       | 18755    | 114.05    | ug/l   | 99       |
| 16) Carbon Disulfide         | 2.514  | 76       | 47726    | 17.87     | ug/l   | 97       |
| 17) Allyl chloride           | 2.666  | 41       | 34708    | 20.17     | ug/l   | 95       |
| 18) Methylene Chloride       | 2.794  | 84       | 23723    | 20.44     | ug/l   | 97       |
| 19) trans-1,2-Dichloroethene | 3.099  | 96       | 21489    | 20.25     | ug/l   | 88       |
| 20) Diisopropyl ether        | 3.770  | 45       | 66501    | 20.50     | ug/l   | 96       |
| 21) 1,1-Dichloroethane       | 3.617  | 63       | 40542    | 20.87     | ug/l   | 98       |
| 22) cis-1,2-Dichloroethene   | 4.495  | 96       | 25918    | 20.79     | ug/l   | 96       |
| 23) tert-Butyl Alcohol       | 2.977  | 59       | 32513    | 121.42    | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 3.123  | 73       | 64606    | 20.32     | ug/l   | 99       |
| 25) Chloroform               | 5.105  | 83       | 41009    | 20.83     | ug/l   | 100      |
| 26) Cyclohexane              | 5.477  | 56       | 32009    | 19.97     | ug/l # | 99       |
| 29) 1,1-Dichloropropene      | 5.702  | 75       | 29935    | 19.89     | ug/l   | 98       |
| 30) 2-Butanone               | 4.568  | 43       | 95693    | 112.33    | ug/l   | 99       |
| 31) 2,2-Dichloropropane      | 4.483  | 77       | 25939    | 14.67     | ug/l # | 75       |
| 32) 1,1,1-Trichloroethane    | 5.397  | 97       | 35121    | 19.78     | ug/l   | 98       |
| 33) Carbon Tetrachloride     | 5.684  | 117      | 28087    | 18.64     | ug/l   | 93       |
| 34) Benzene                  | 6.050  | 78       | 92664    | 20.18     | ug/l   | 99       |
| 35) Methacrylonitrile        | 4.934  | 41       | 19822    | 21.74     | ug/l   | 95       |
| 36) 1,2-Dichloroethane       | 6.098  | 62       | 32972    | 21.03     | ug/l # | 89       |
| 37) Trichloroethene          | 7.135  | 130      | 22737    | 19.70     | ug/l   | 95       |
| 38) Methylcyclohexane        | 7.385  | 83       | 32824    | 19.21     | ug/l   | 98       |
| 39) 1,2-Dichloropropane      | 7.434  | 63       | 23296    | 20.32     | ug/l   | 92       |
| 40) Dibromomethane           | 7.586  | 93       | 15513    | 19.44     | ug/l   | 98       |
| 41) Bromodichloromethane     | 7.830  | 83       | 30161    | 18.94     | ug/l   | 95       |
| 42) Vinyl Acetate            | 3.733  | 43       | 325867   | 102.43    | ug/l   | 99       |

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 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020

Manual Integrations  
 APPROVED

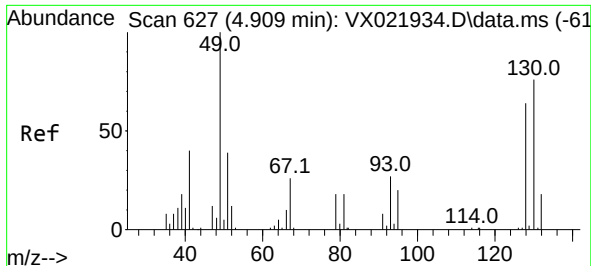
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Quant Time: May 27 04:59:55 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X051321W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu May 13 06:11:35 2021  
 Response via : Initial Calibration

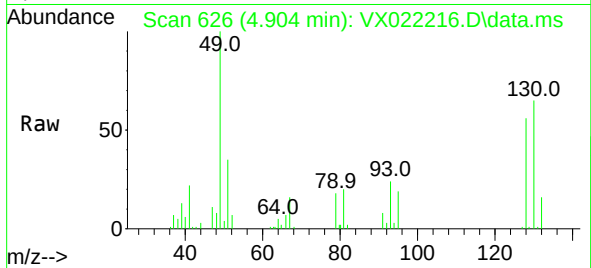
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 43) Ethyl Acetate             | 4.727  | 43   | 38369    | 22.16  | ug/l   | 99       |
| 44) Isopropyl Acetate         | 6.348  | 43   | 58881    | 20.62  | ug/l   | 99       |
| 45) 1,4-Dioxane               | 7.671  | 88   | 11934    | 468.14 | ug/l # | 100      |
| 46) Methyl methacrylate       | 7.702  | 41   | 28341    | 21.41  | ug/l   | 91       |
| 47) n-amyl Acetate            | 10.848 | 43   | 51931    | 21.87  | ug/l   | 99       |
| 48) t-1,3-Dichloropropene     | 8.982  | 75   | 32452    | 18.15  | ug/l   | 97       |
| 49) cis-1,3-Dichloropropene   | 8.372  | 75   | 36127    | 18.82  | ug/l   | 99       |
| 50) 1,1,2-Trichloroethane     | 9.159  | 97   | 23321    | 20.54  | ug/l   | 91       |
| 51) Ethyl methacrylate        | 9.122  | 69   | 38446    | 20.99  | ug/l   | 97       |
| 52) 1,3-Dichloropropane       | 9.311  | 76   | 41628    | 21.03  | ug/l   | 99       |
| 53) Dibromochloromethane      | 9.525  | 129  | 21012    | 18.42  | ug/l   | 100      |
| 54) 1,2-Dibromoethane         | 9.616  | 107  | 23527    | 20.17  | ug/l   | 97       |
| 55) 2-Chloroethyl vinyl ether | 8.244  | 63   | 92402    | 95.59  | ug/l   | 99       |
| 56) Bromoform                 | 10.805 | 173  | 12481    | 17.24  | ug/l   | 97       |
| 58) 4-Methyl-2-Pentanone      | 8.580  | 43   | 191186   | 110.62 | ug/l   | 98       |
| 59) 2-Hexanone                | 9.433  | 43   | 144761   | 113.10 | ug/l   | 98       |
| 61) Tetrachloroethene         | 9.281  | 164  | 19058    | 19.60  | ug/l   | 87       |
| 62) Toluene                   | 8.726  | 91   | 97525    | 19.87  | ug/l   | 99       |
| 64) Chlorobenzene             | 10.079 | 112  | 59487    | 20.27  | ug/l   | 99       |
| 65) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 20856    | 19.48  | ug/l   | 98       |
| 66) Ethyl Benzene             | 10.195 | 91   | 108976   | 20.19  | ug/l   | 100      |
| 67) m/p-Xylenes               | 10.305 | 106  | 83879    | 41.00  | ug/l   | 95       |
| 68) o-Xylene                  | 10.646 | 106  | 40934    | 20.54  | ug/l   | 97       |
| 69) Styrene                   | 10.659 | 104  | 67358    | 20.20  | ug/l   | 99       |
| 70) Isopropylbenzene          | 10.963 | 105  | 106603   | 20.37  | ug/l   | 98       |
| 71) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 36557    | 21.18  | ug/l   | 95       |
| 72) 1,2,3-Trichloropropane    | 11.244 | 75   | 32840m   | 21.47  | ug/l   |          |
| 73) Bromobenzene              | 11.201 | 156  | 22379    | 20.18  | ug/l   | 94       |
| 74) n-propylbenzene           | 11.305 | 91   | 123647   | 20.27  | ug/l   | 100      |
| 75) 2-Chlorotoluene           | 11.366 | 91   | 73871    | 20.44  | ug/l   | 98       |
| 76) 1,3,5-Trimethylbenzene    | 11.457 | 105  | 88069    | 20.15  | ug/l   | 99       |
| 77) t-1,4-Dichloro-2-butene   | 11.024 | 75   | 10261    | 16.55  | ug/l   | 81       |
| 78) 4-Chlorotoluene           | 11.457 | 91   | 84678    | 20.36  | ug/l   | 99       |
| 79) tert-butylbenzene         | 11.719 | 119  | 82615    | 19.77  | ug/l   | 98       |
| 80) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 88904    | 20.36  | ug/l   | 98       |
| 81) sec-Butylbenzene          | 11.890 | 105  | 106375   | 20.25  | ug/l   | 100      |
| 82) p-Isopropyltoluene        | 12.012 | 119  | 88706    | 20.14  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene       | 11.969 | 146  | 41916    | 19.94  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene       | 12.043 | 146  | 42275    | 20.05  | ug/l   | 99       |
| 85) n-Butylbenzene            | 12.335 | 91   | 78702    | 19.50  | ug/l   | 98       |
| 86) Hexachloroethane          | 12.542 | 117  | 12869    | 17.58  | ug/l   | 96       |
| 87) 1,2-Dichlorobenzene       | 12.335 | 146  | 41528    | 20.40  | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 7443     | 19.37  | ug/l   | 96       |
| 89) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 23883    | 19.15  | ug/l   | 98       |
| 90) Hexachlorobutadiene       | 13.725 | 225  | 8564     | 17.75  | ug/l   | 97       |
| 91) Naphthalene               | 13.780 | 128  | 102483   | 20.95  | ug/l   | 98       |
| 92) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 25509    | 20.60  | ug/l   | 99       |

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

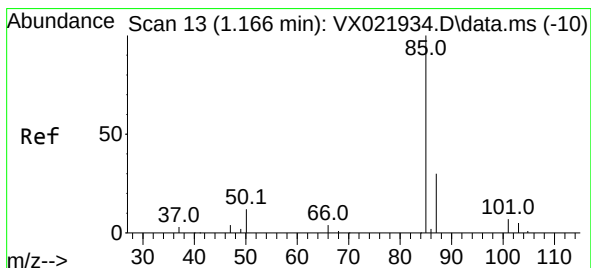
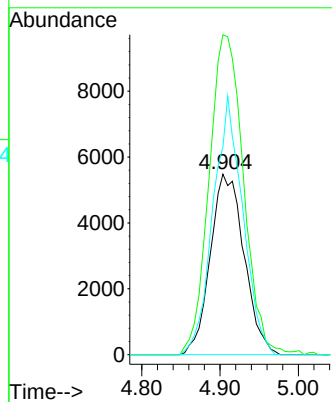
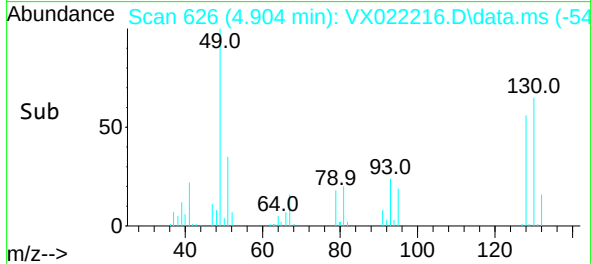




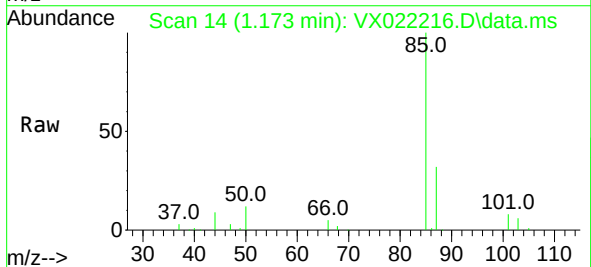
#1  
Bromochloromethane  
Concen: 30.00 ug/l  
RT: 4.904 min Scan# 626  
Delta R.T. -0.005 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45



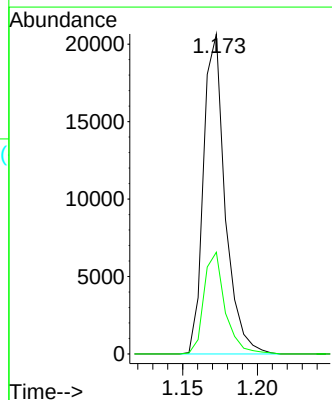
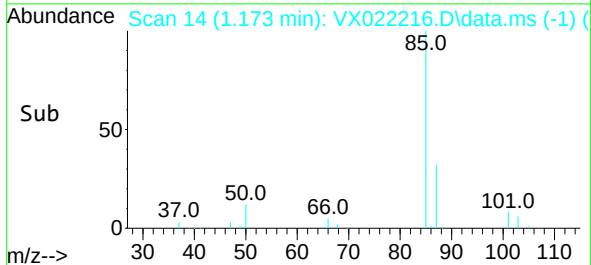
Tgt Ion: 128 Resp: 16426  
Ion Ratio Lower Upper  
128 100  
49 180.2 0.0 442.5  
130 125.9 0.0 323.3



#2  
Dichlorodifluoromethane  
Concen: 21.43 ug/l  
RT: 1.173 min Scan# 14  
Delta R.T. 0.007 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45



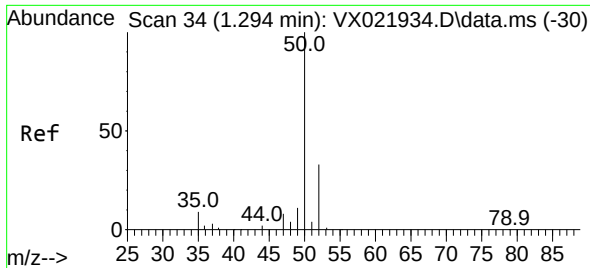
Tgt Ion: 85 Resp: 20781  
Ion Ratio Lower Upper  
85 100  
87 31.8 14.9 44.5



Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

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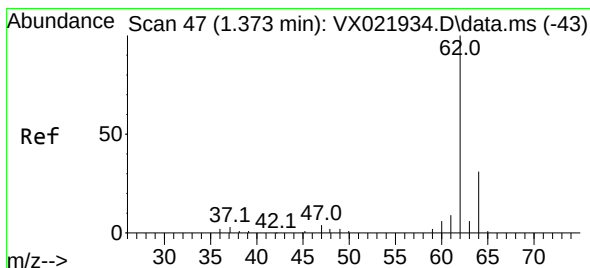
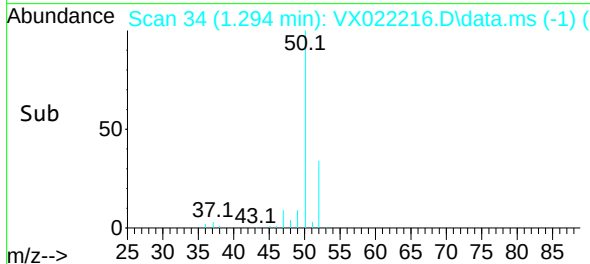
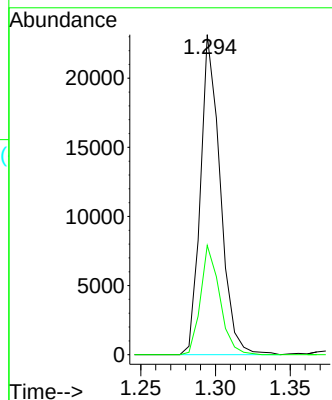
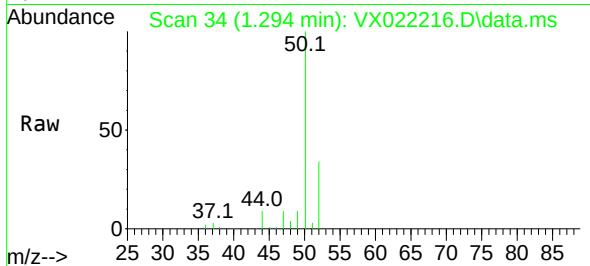
#3  
Chloromethane  
Concen: 18.25 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 50 Resp: 21253  
Ion Ratio Lower Upper  
50 100  
52 34.2 26.2 39.4

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

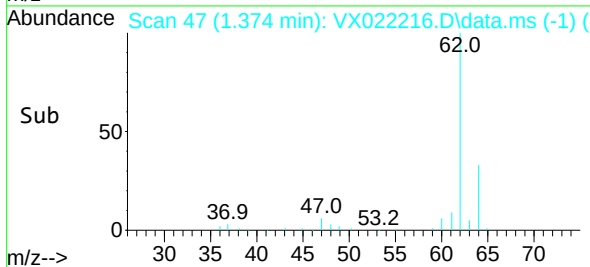
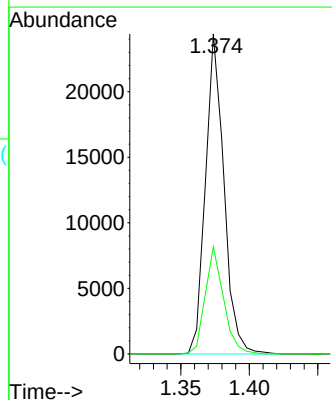
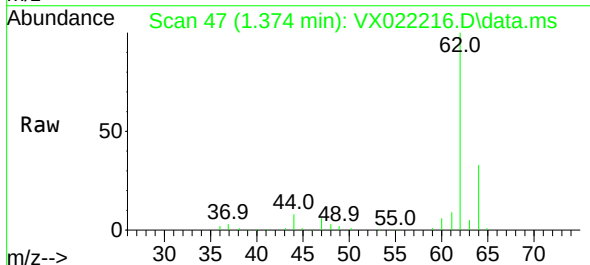
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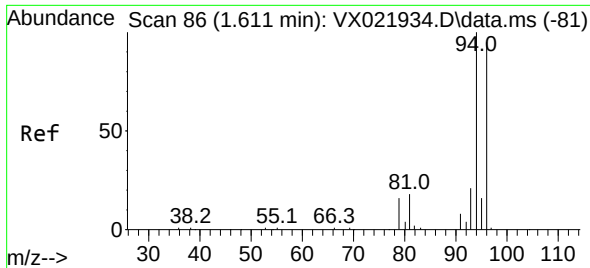
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#4  
Vinyl Chloride  
Concen: 18.92 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 62 Resp: 22881  
Ion Ratio Lower Upper  
62 100  
64 33.4 24.9 37.3





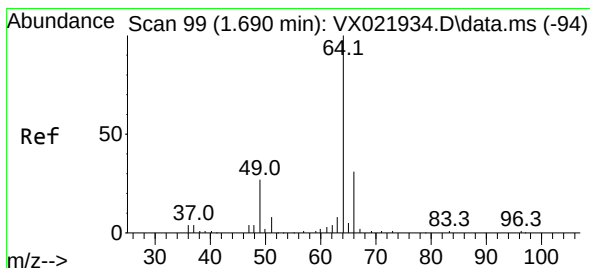
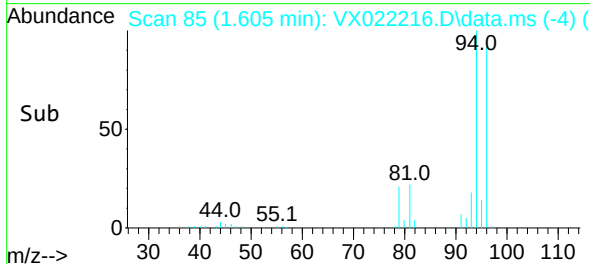
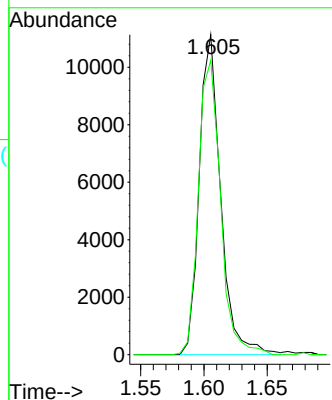
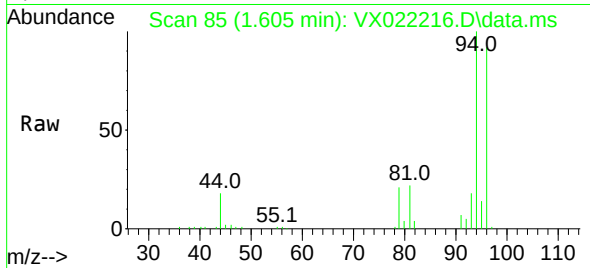
#5  
Bromomethane  
Concen: 19.31 ug/l  
RT: 1.605 min Scan# 85  
Delta R.T. -0.006 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 94 Resp: 13143  
Ion Ratio Lower Upper  
94 100  
96 92.0 76.1 114.1

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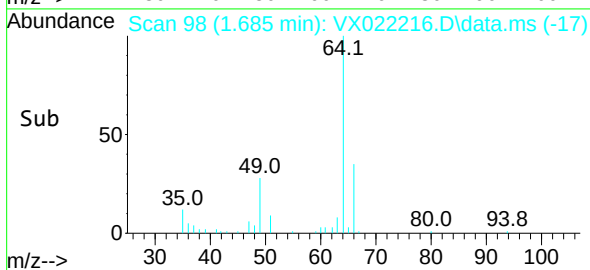
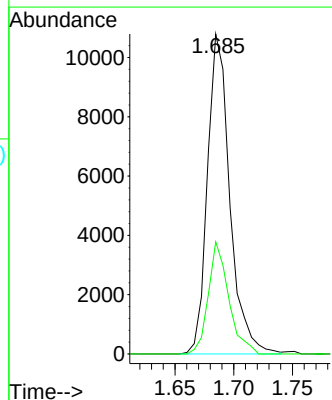
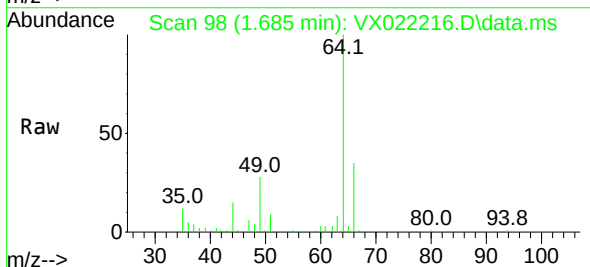
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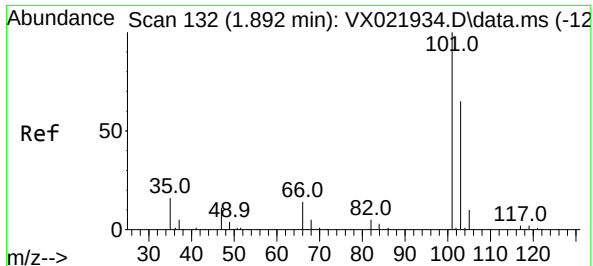
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#6  
Chloroethane  
Concen: 18.35 ug/l  
RT: 1.685 min Scan# 98  
Delta R.T. -0.006 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 64 Resp: 14292  
Ion Ratio Lower Upper  
64 100  
66 35.0 24.9 37.3





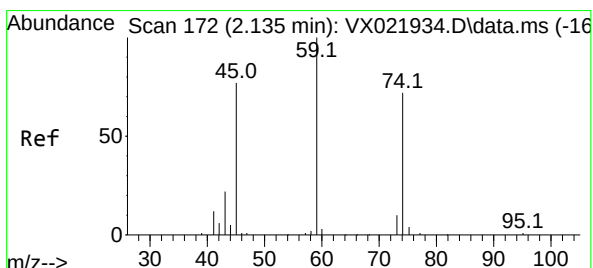
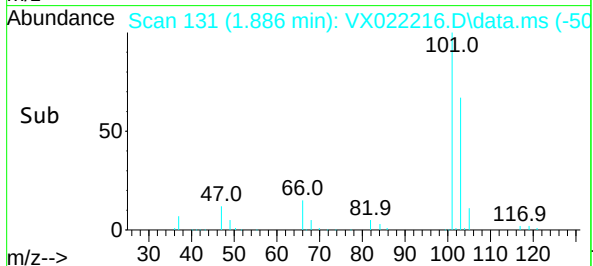
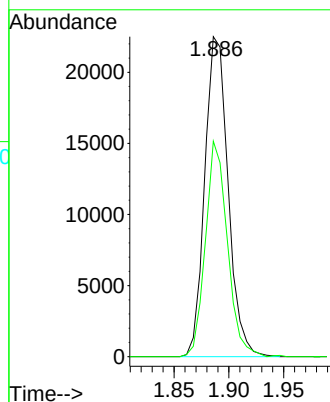
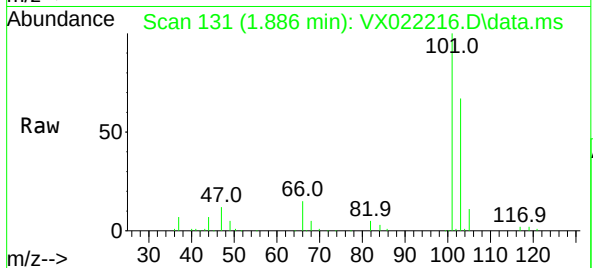
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 Trichlorofluoromethane  
 Concen: 19.74 ug/l  
 RT: 1.886 min Scan# 131  
 Delta R.T. -0.006 min  
 Lab File: VX022216.D  
 Acq: 26 May 2021 23:45

Tgt Ion:101 Resp: 33369  
 Ion Ratio Lower Upper  
 101 100  
 103 67.4 52.4 78.6

Instrument :  
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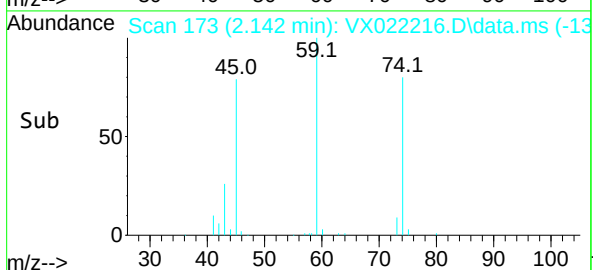
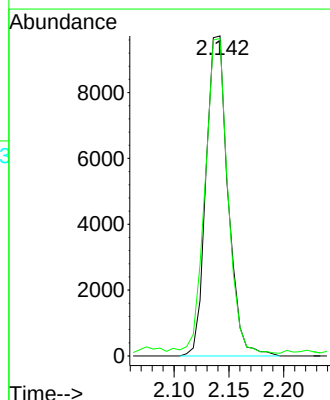
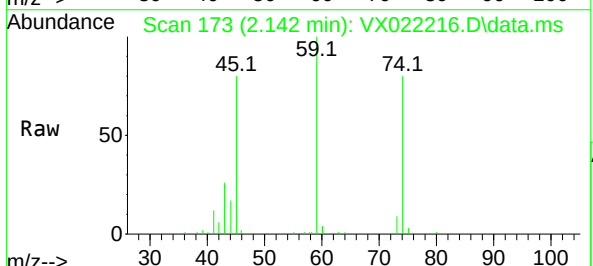
Manual Integrations  
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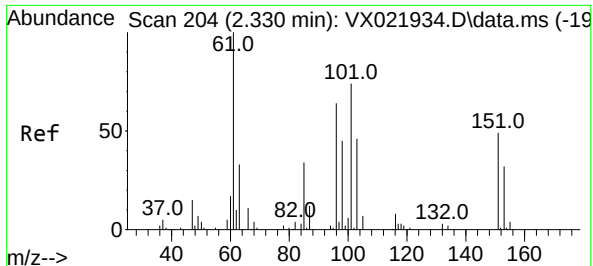
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#8  
 Diethyl Ether  
 Concen: 18.74 ug/l  
 RT: 2.142 min Scan# 173  
 Delta R.T. 0.006 min  
 Lab File: VX022216.D  
 Acq: 26 May 2021 23:45

Tgt Ion: 74 Resp: 13583  
 Ion Ratio Lower Upper  
 74 100  
 45 104.2 21.1 189.9





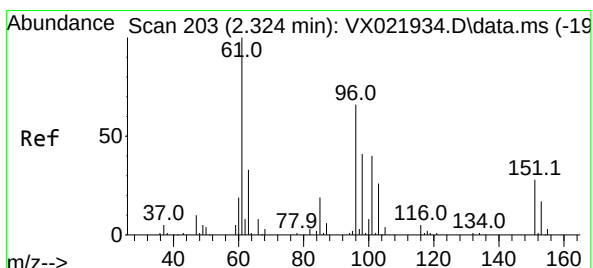
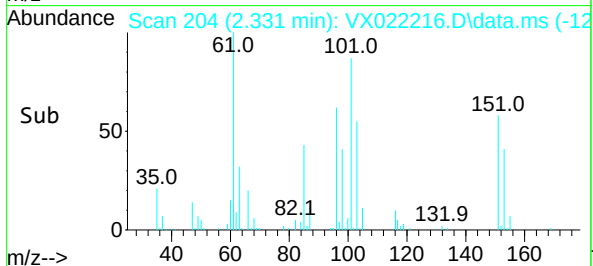
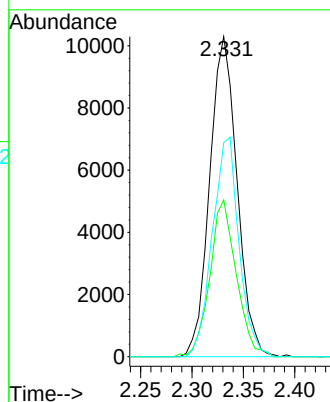
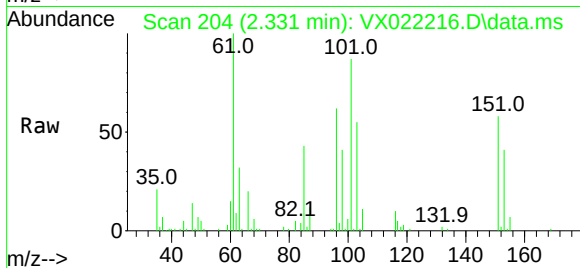
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.67 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 101   | Resp: | 19062 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 47.3  | 0.0   | 93.0  |
| 151       | 66.7  | 0.0   | 136.6 |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

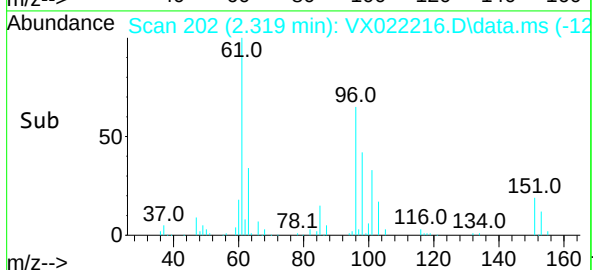
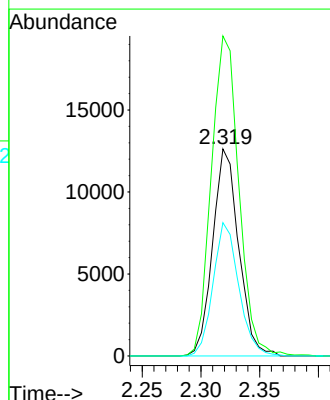
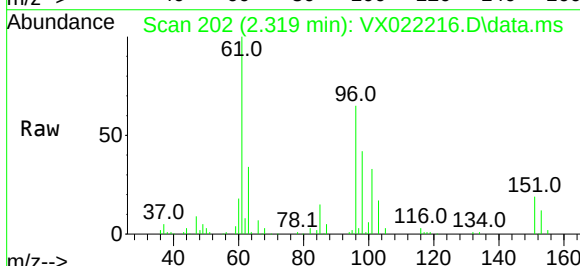
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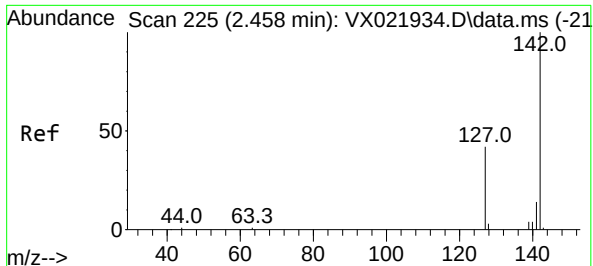


#10  
1,1-Dichloroethene  
Concen: 19.93 ug/l  
RT: 2.319 min Scan# 202  
Delta R.T. -0.006 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

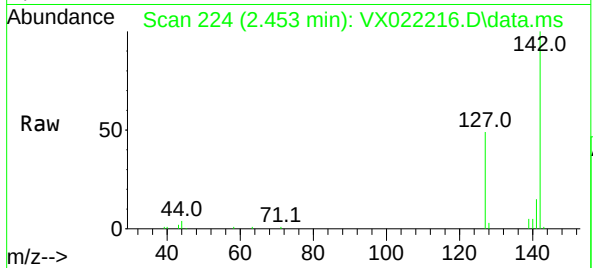
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 19461 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 154.6 | 121.0 | 181.4 |
| 98        | 64.4  | 49.1  | 73.7  |



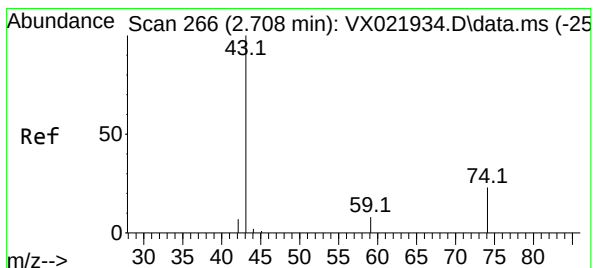
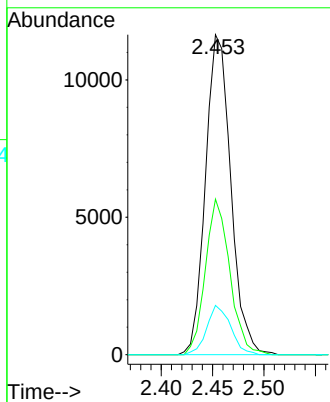
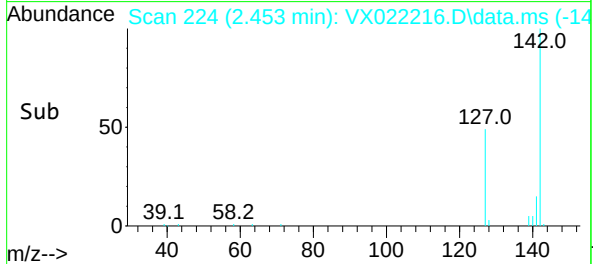




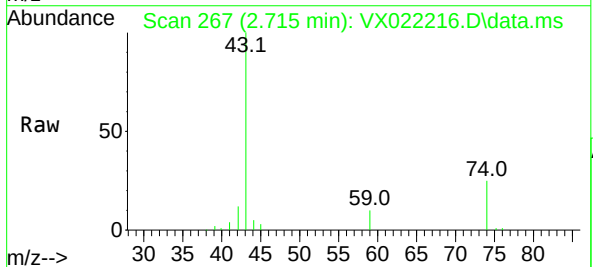
#11  
Methyl Iodide  
Concen: 20.57 ug/l  
RT: 2.453 min Scan# 224  
Delta R.T. -0.006 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45



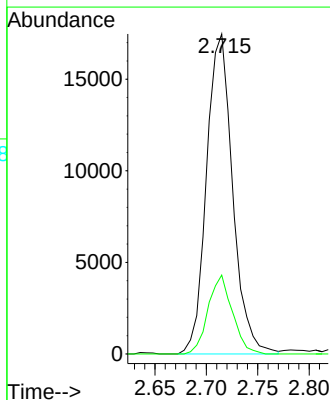
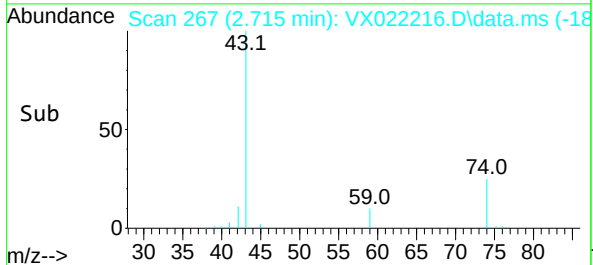
Tgt Ion: 142 Resp: 19969  
Ion Ratio Lower Upper  
142 100  
127 48.6 21.3 63.7  
141 15.4 7.2 21.6



#12  
Methyl Acetate  
Concen: 22.92 ug/l  
RT: 2.715 min Scan# 267  
Delta R.T. 0.006 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45



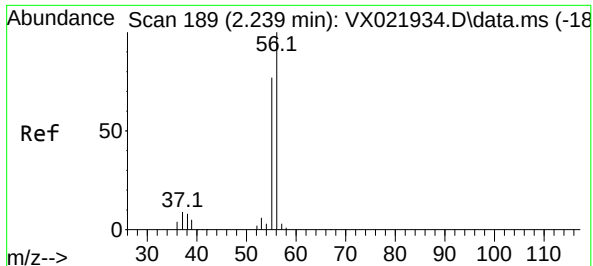
Tgt Ion: 43 Resp: 30944  
Ion Ratio Lower Upper  
43 100  
74 24.7 18.5 27.7



Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

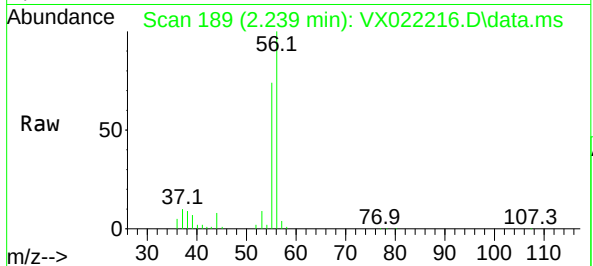
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#13  
Acrolein  
Concen: 144.96 ug/l  
RT: 2.239 min Scan# 189  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

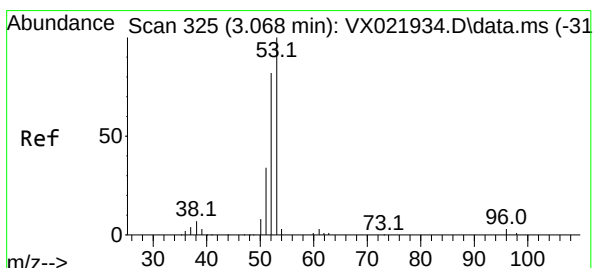
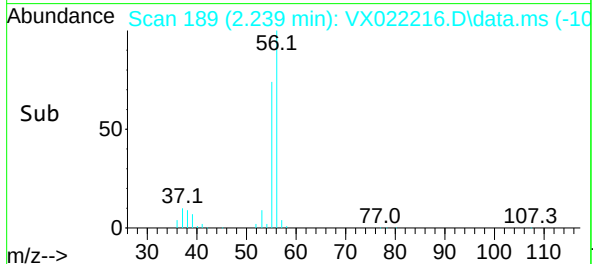
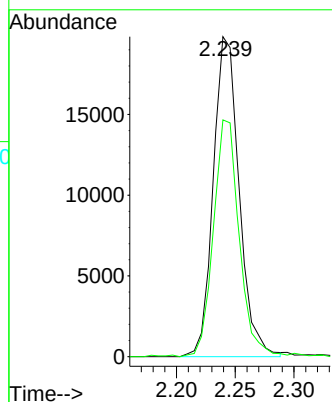
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



Tgt Ion: 56 Resp: 30349  
Ion Ratio Lower Upper  
56 100  
55 73.5 57.6 86.4

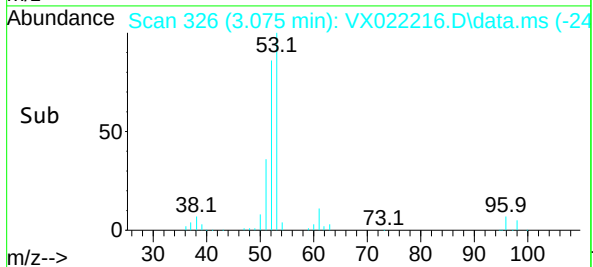
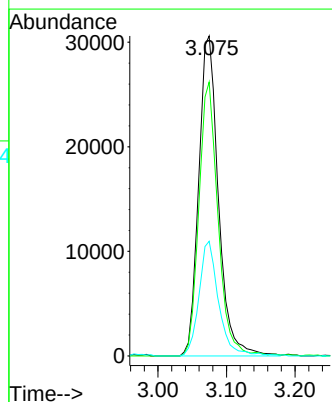
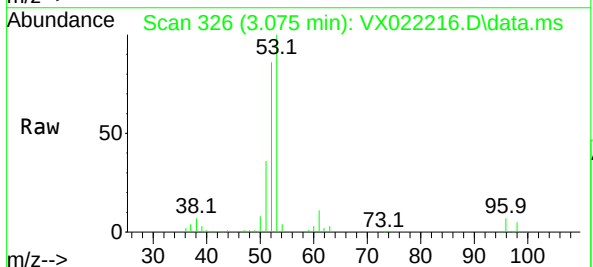
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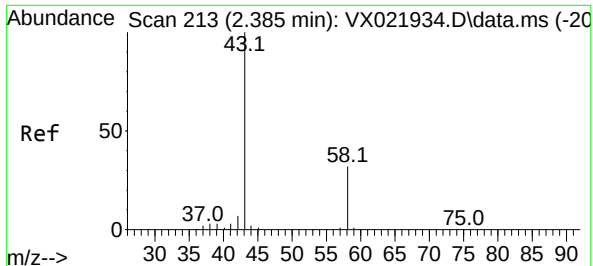
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#14  
Acrylonitrile  
Concen: 111.52 ug/l  
RT: 3.075 min Scan# 326  
Delta R.T. 0.007 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 53 Resp: 61432  
Ion Ratio Lower Upper  
53 100  
52 82.1 39.3 117.9  
51 35.1 17.1 51.2





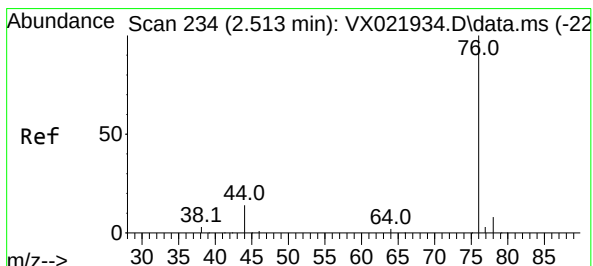
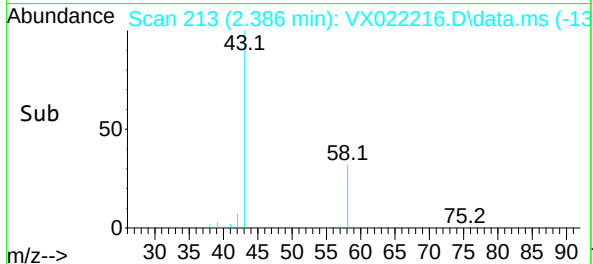
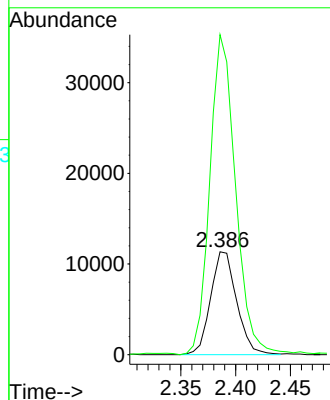
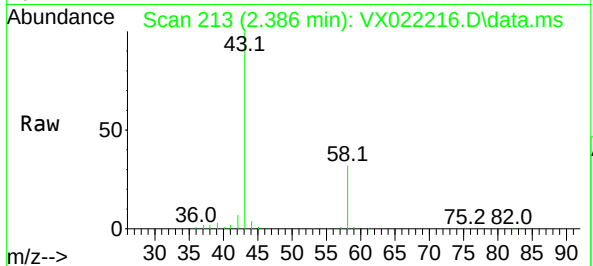
#15  
Acetone  
Concen: 114.05 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.001 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 58 Resp: 18755  
Ion Ratio Lower Upper  
58 100  
43 310.8 249.5 374.3

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

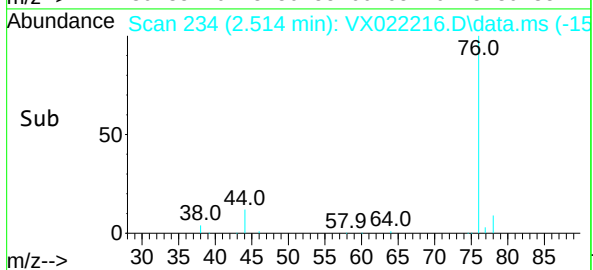
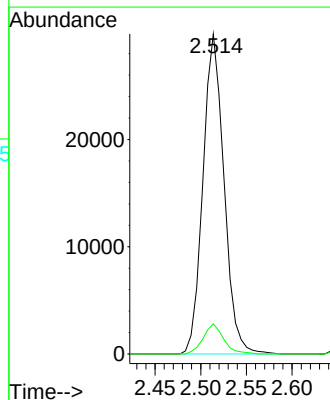
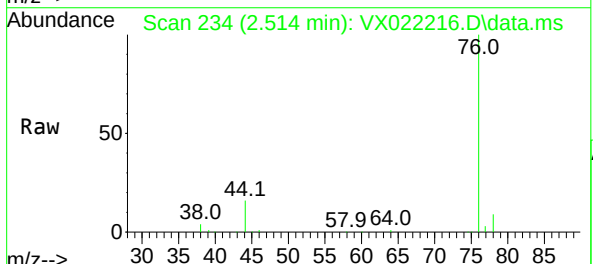
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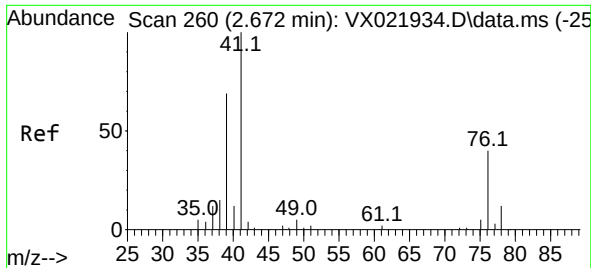
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#16  
Carbon Disulfide  
Concen: 17.87 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 76 Resp: 47726  
Ion Ratio Lower Upper  
76 100  
78 9.4 6.7 10.1





#17

Allyl chloride

Concen: 20.17 ug/l

RT: 2.666 min Scan# 259

Delta R.T. -0.006 min

Lab File: VX022216.D

Acq: 26 May 2021 23:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 34708 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 67.5  | 34.5  | 103.5 |
| 76       | 33.8  | 19.8  | 59.3  |

Instrument :

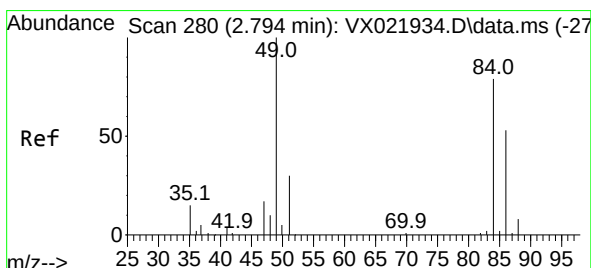
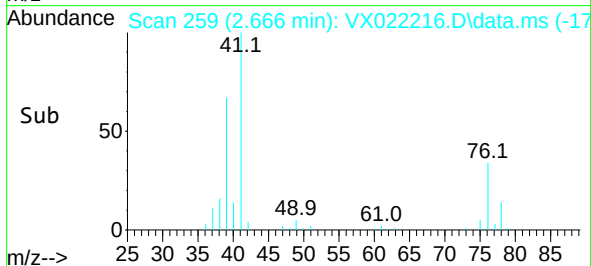
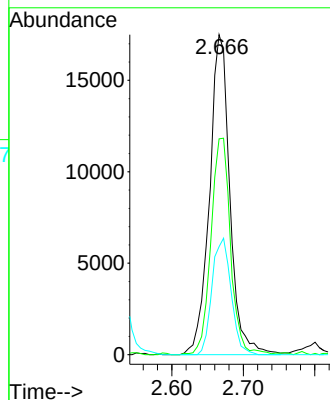
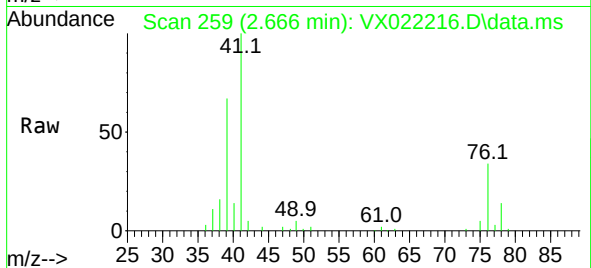
MSVOA\_X

ClientSampleId :

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#18

Methylene Chloride

Concen: 20.44 ug/l

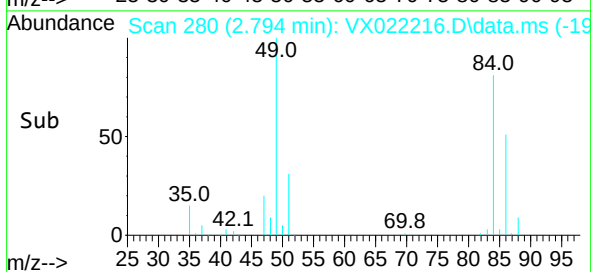
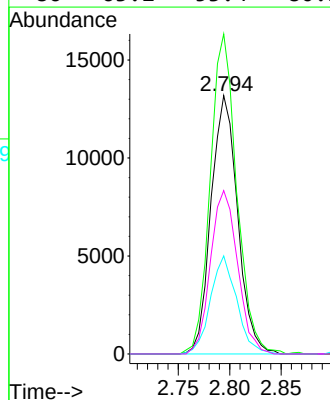
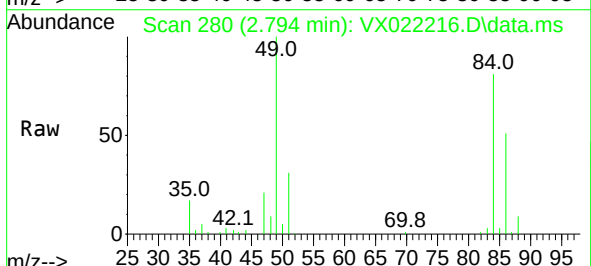
RT: 2.794 min Scan# 280

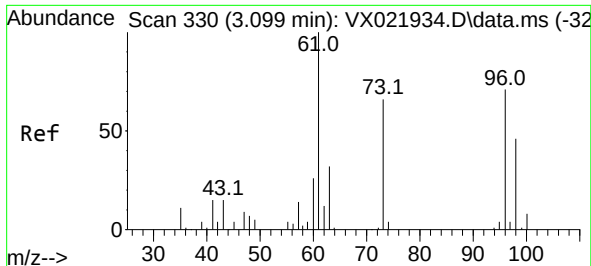
Delta R.T. 0.000 min

Lab File: VX022216.D

Acq: 26 May 2021 23:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 23723 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 123.8 | 101.6 | 152.4 |
| 51       | 37.9  | 30.5  | 45.7  |
| 86       | 63.2  | 53.4  | 80.2  |





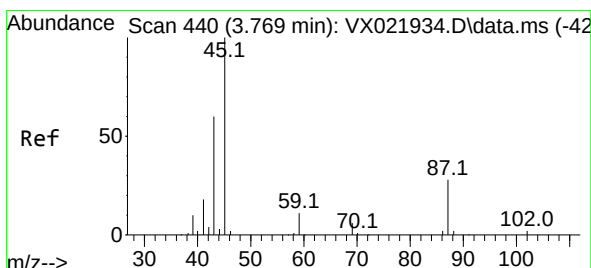
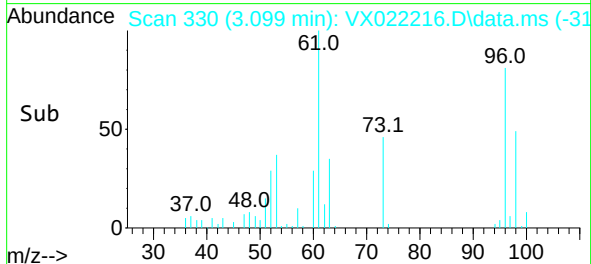
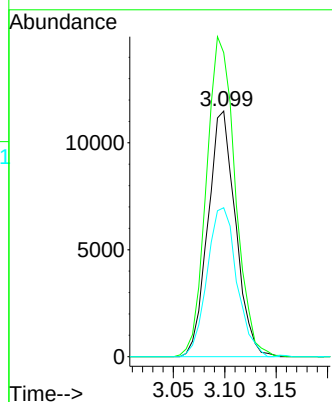
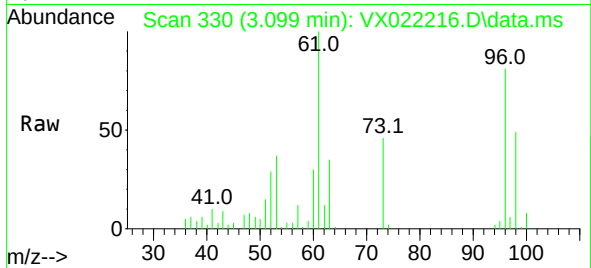
#19  
trans-1,2-Dichloroethene  
Concen: 20.25 ug/l  
RT: 3.099 min Scan# 330  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 96 Resp: 21489  
Ion Ratio Lower Upper  
96 100  
61 123.3 113.0 169.4  
98 60.6 51.7 77.5

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

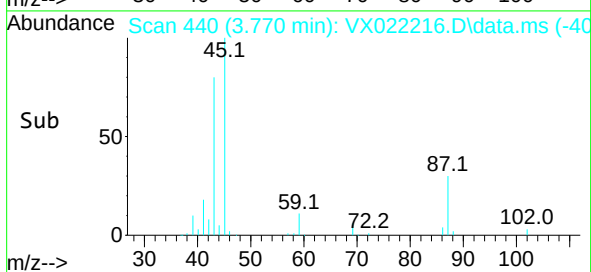
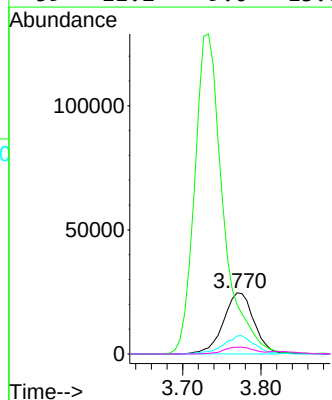
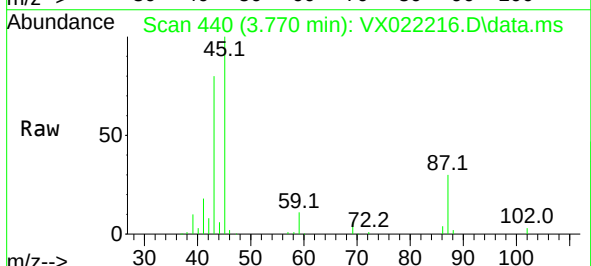
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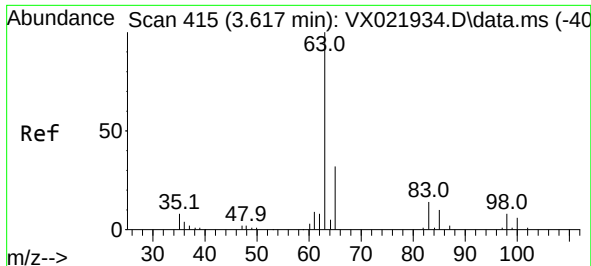
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#20  
Diisopropyl ether  
Concen: 20.50 ug/l  
RT: 3.770 min Scan# 440  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 45 Resp: 66501  
Ion Ratio Lower Upper  
45 100  
43 76.4 58.5 87.7  
87 29.7 22.2 33.4  
59 11.2 9.0 13.6





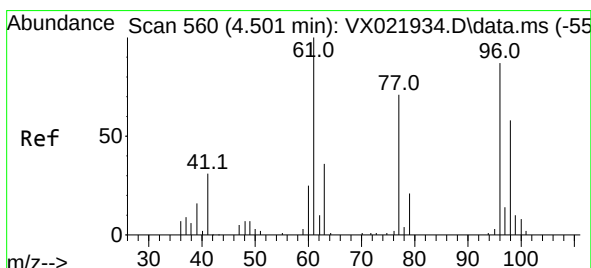
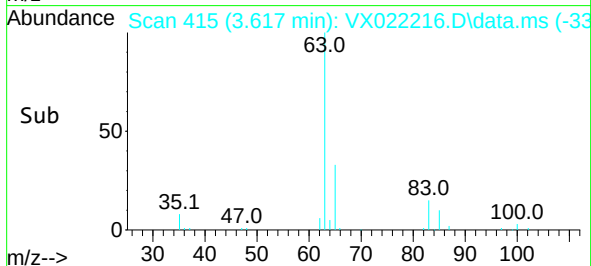
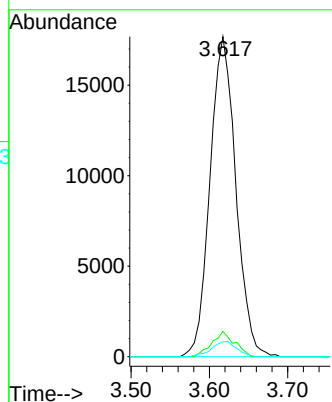
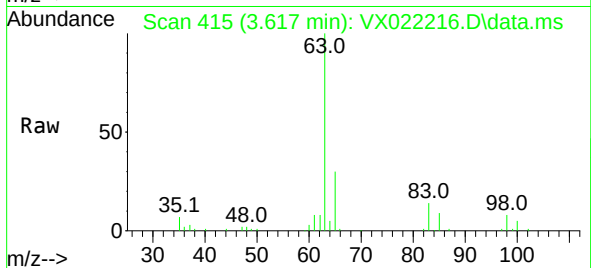
#21  
1,1-Dichloroethane  
Concen: 20.87 ug/l  
RT: 3.617 min Scan# 415  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 63 Resp: 40542  
Ion Ratio Lower Upper  
63 100  
98 7.9 3.8 11.4  
100 4.6 2.9 8.6

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

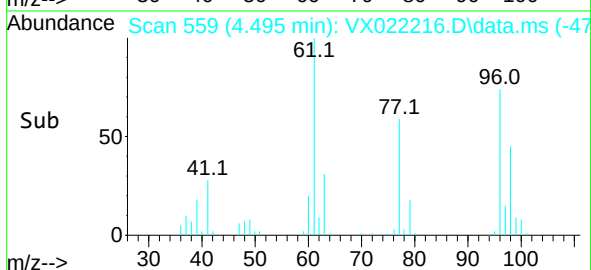
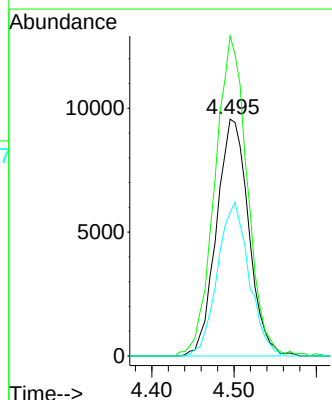
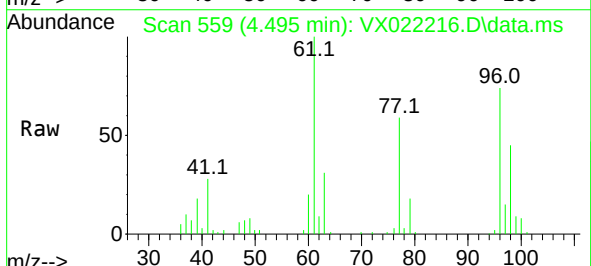
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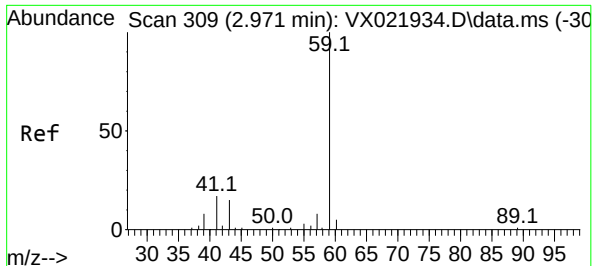
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#22  
cis-1,2-Dichloroethene  
Concen: 20.79 ug/l  
RT: 4.495 min Scan# 559  
Delta R.T. -0.006 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 96 Resp: 25918  
Ion Ratio Lower Upper  
96 100  
61 136.1 114.0 171.0  
98 64.0 53.0 79.6





#23

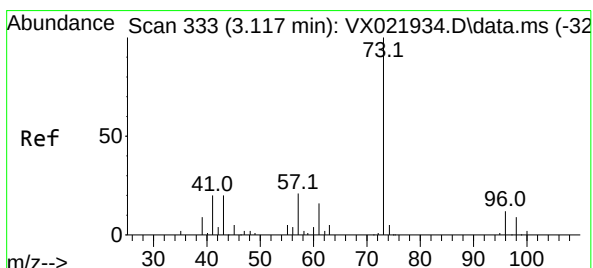
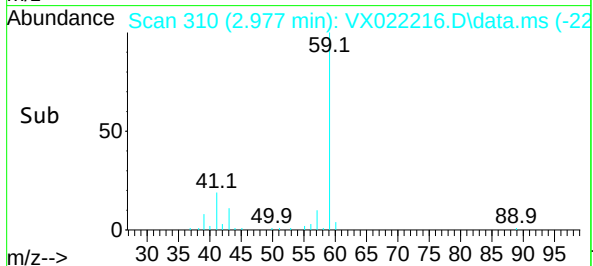
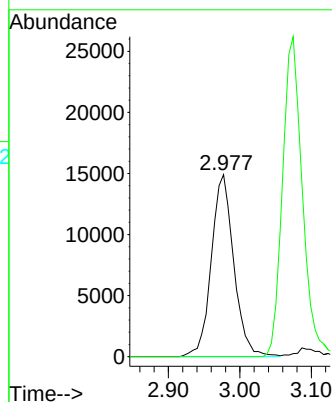
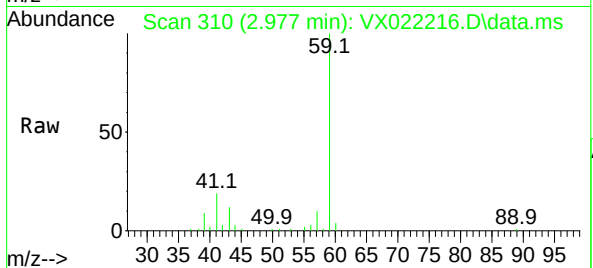
tert-Butyl Alcohol  
Concen: 121.42 ug/l  
RT: 2.977 min Scan# 310  
Delta R.T. 0.006 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 59 Resp: 32513  
Ion Ratio Lower Upper  
59 100  
52 0.1 0.0 0.0#

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

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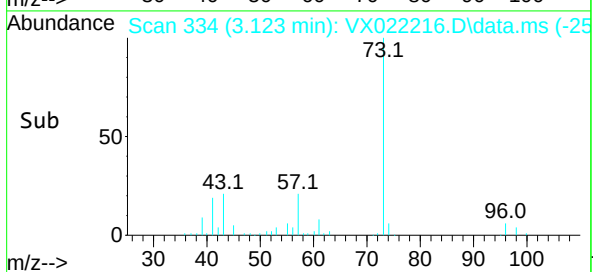
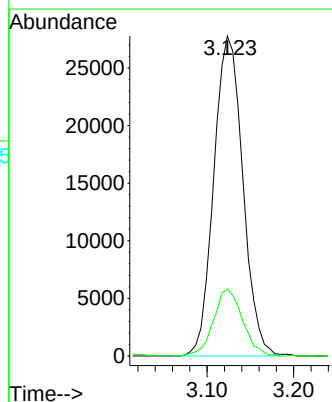
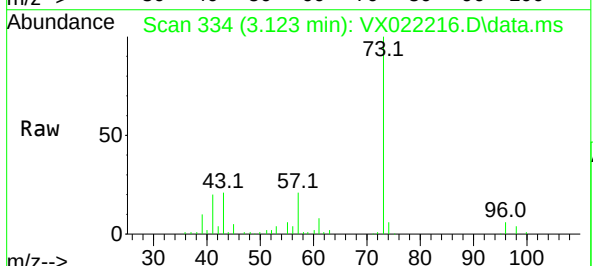
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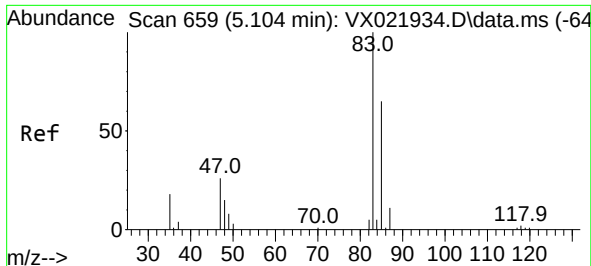


#24

Methyl tert-Butyl Ether  
Concen: 20.32 ug/l  
RT: 3.123 min Scan# 334  
Delta R.T. 0.007 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 73 Resp: 64606  
Ion Ratio Lower Upper  
73 100  
43 20.9 16.3 24.5





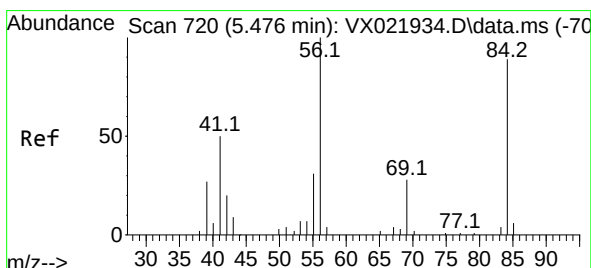
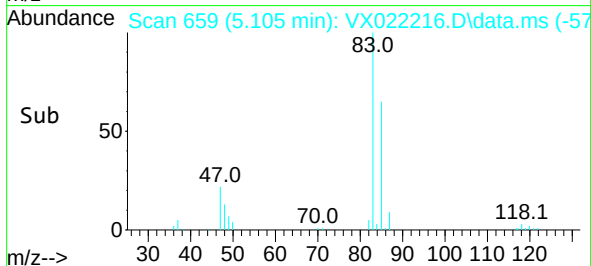
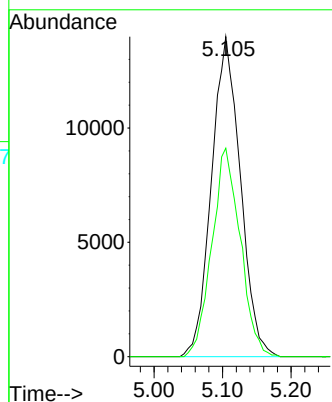
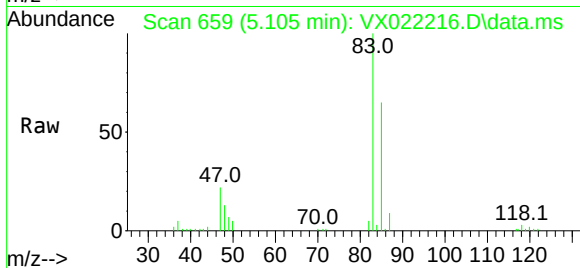
#25  
Chloroform  
Concen: 20.83 ug/l  
RT: 5.105 min Scan# 659  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 83 Resp: 41009  
Ion Ratio Lower Upper  
83 100  
85 65.1 51.9 77.9

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

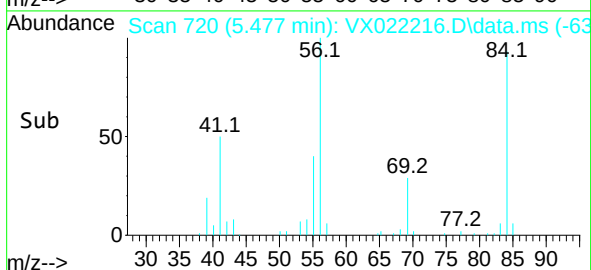
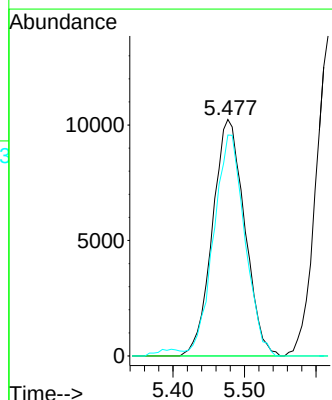
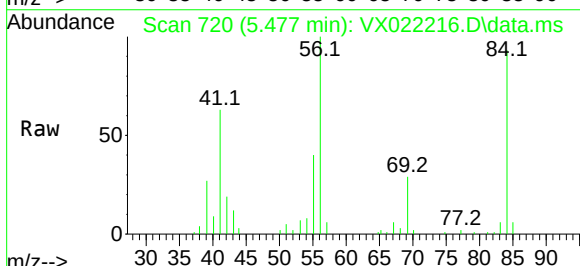
Manual Integrations  
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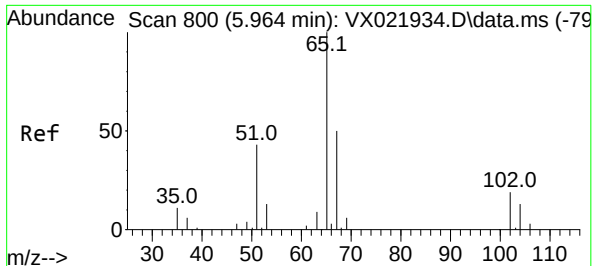


#26  
Cyclohexane  
Concen: 19.97 ug/l  
RT: 5.477 min Scan# 720  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 56 Resp: 32009  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.4 0.6#  
84 90.7 71.8 107.6







#27

1,2-Dichloroethane-d4

Concen: 31.04 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX022216.D

Acq: 26 May 2021 23:45

Tgt Ion: 65 Resp: 39275

Ion Ratio Lower Upper

65 100

67 53.0 41.5 62.3

Instrument :

MSVOA\_X

ClientSampleId :

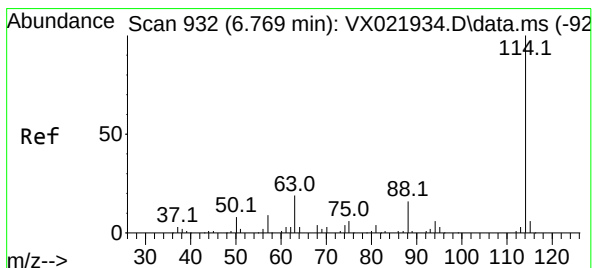
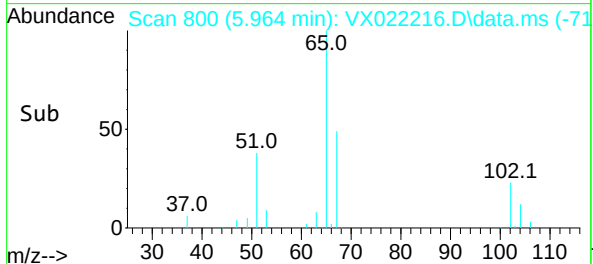
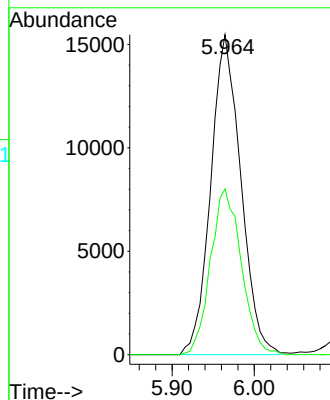
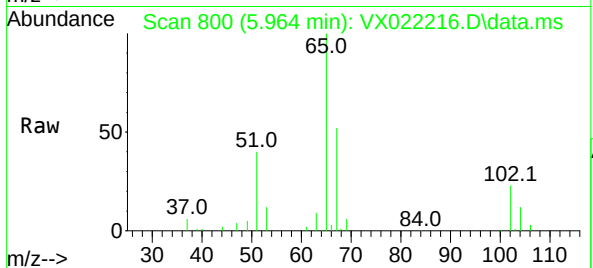
VSTDCCC020

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#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX022216.D

Acq: 26 May 2021 23:45

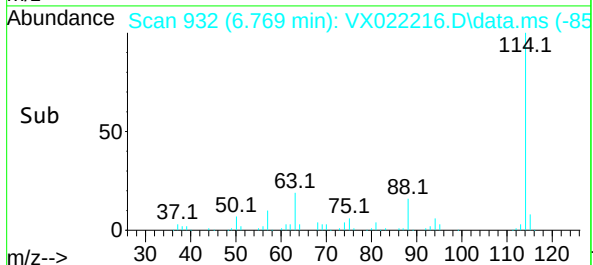
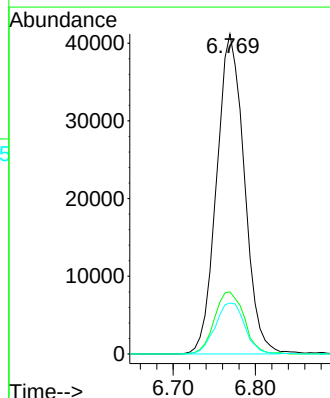
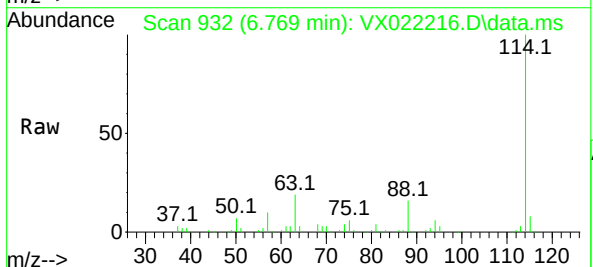
Tgt Ion: 114 Resp: 96162

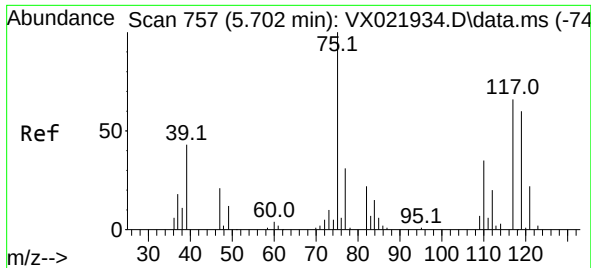
Ion Ratio Lower Upper

114 100

63 20.7 16.6 25.0

88 17.1 13.1 19.7





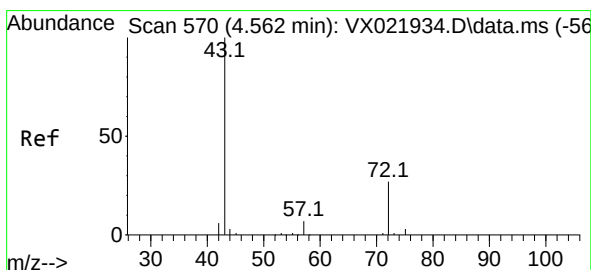
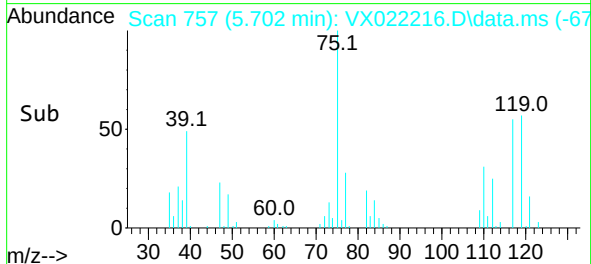
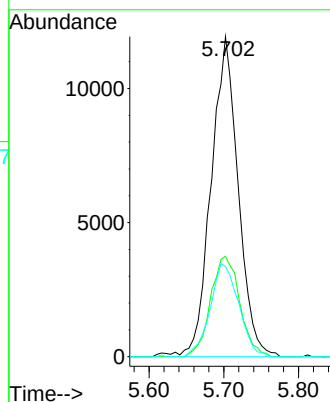
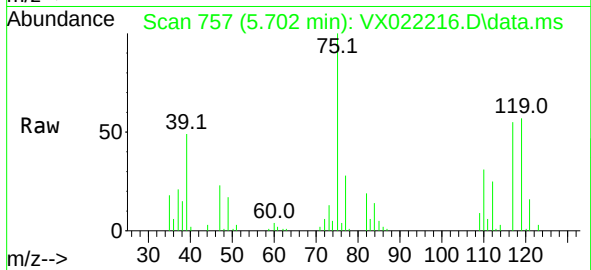
#29  
1,1-Dichloropropene  
Concen: 19.89 ug/l  
RT: 5.702 min Scan# 757  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 29935 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 33.9  | 0.0   | 71.4  |
| 77        | 30.9  | 0.0   | 63.6  |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

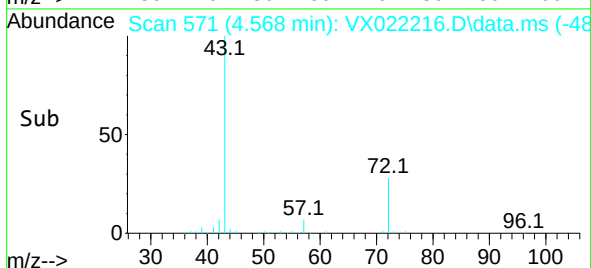
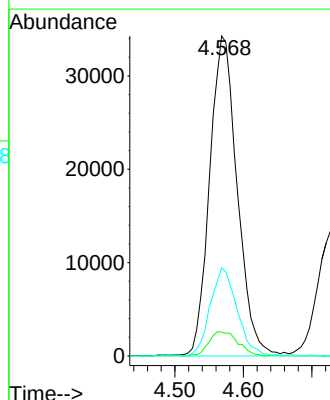
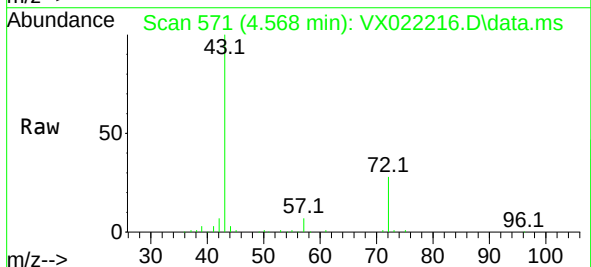
Manual Integrations  
APPROVED

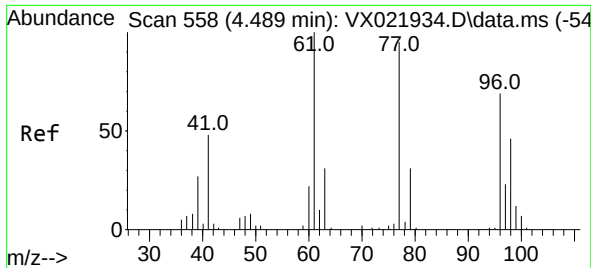
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#30  
2-Butanone  
Concen: 112.33 ug/l  
RT: 4.568 min Scan# 571  
Delta R.T. 0.006 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 95693 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 57        | 8.1   | 6.4   | 9.6   |
| 72        | 26.7  | 22.1  | 33.1  |





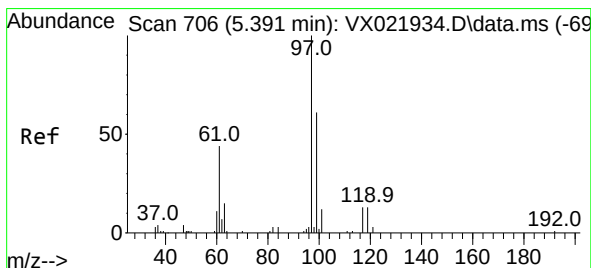
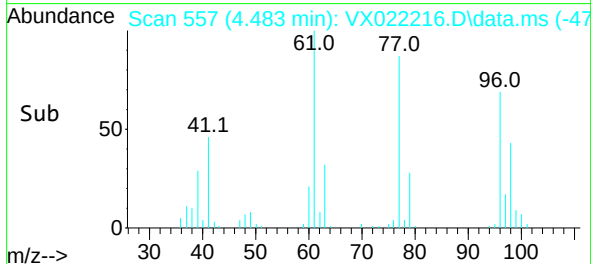
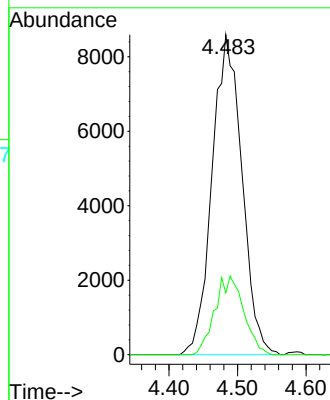
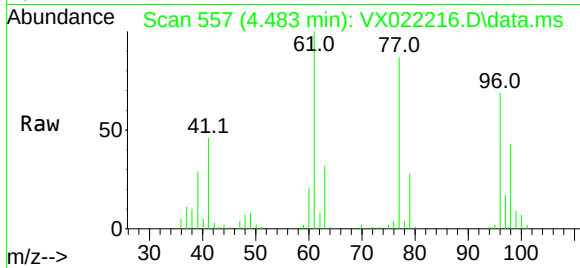
#31  
2,2-Dichloropropane  
Concen: 14.67 ug/l  
RT: 4.483 min Scan# 557  
Delta R.T. -0.006 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 77 Resp: 25939  
Ion Ratio Lower Upper  
77 100  
97 10.6 18.1 27.1#

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

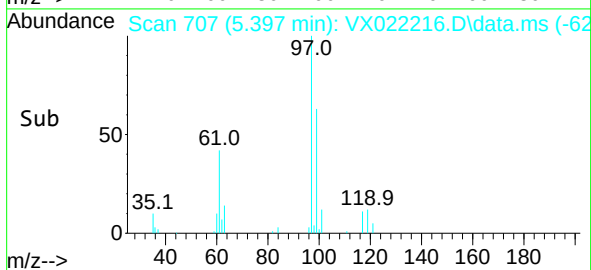
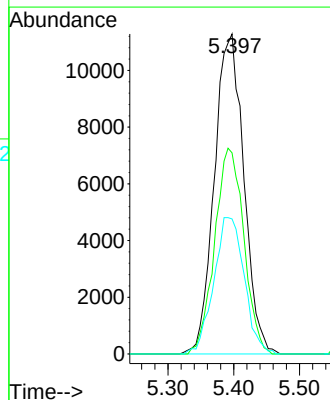
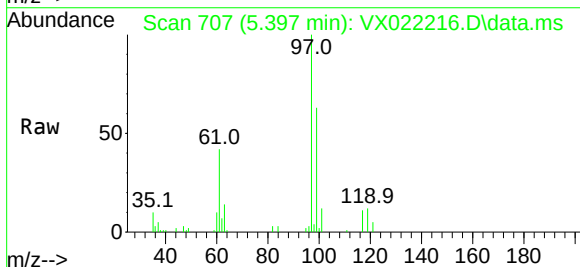
Manual Integrations  
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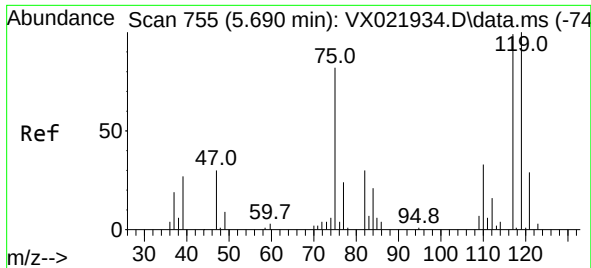
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#32  
1,1,1-Trichloroethane  
Concen: 19.78 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.006 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

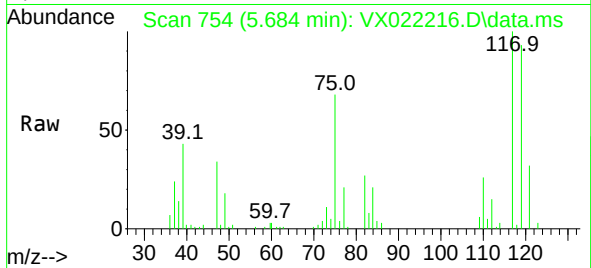
Tgt Ion: 97 Resp: 35121  
Ion Ratio Lower Upper  
97 100  
99 63.8 51.9 77.9  
61 44.1 36.3 54.5





#33  
Carbon Tetrachloride  
Concen: 18.64 ug/l  
RT: 5.684 min Scan# 754  
Delta R.T. -0.006 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

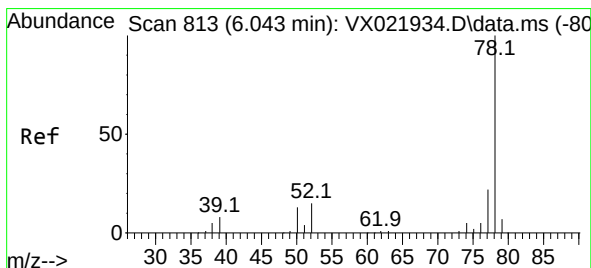
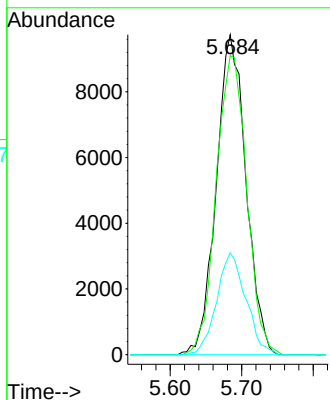
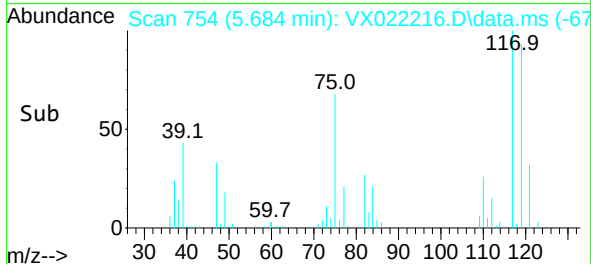
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



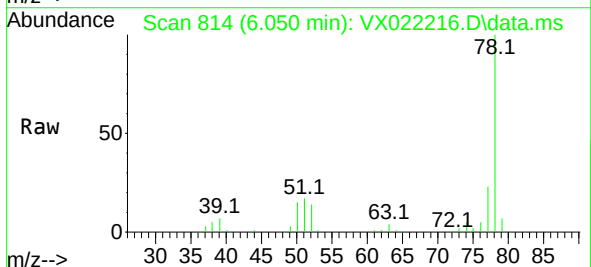
Tgt Ion:117 Resp: 28087  
Ion Ratio Lower Upper  
117 100  
119 93.4 80.8 121.2  
121 31.9 23.8 35.8

Manual Integrations  
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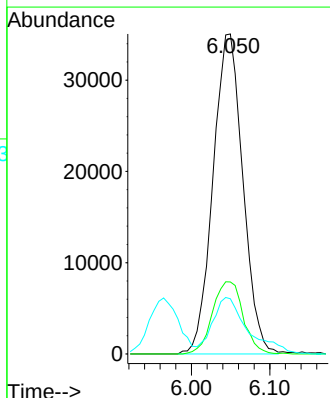
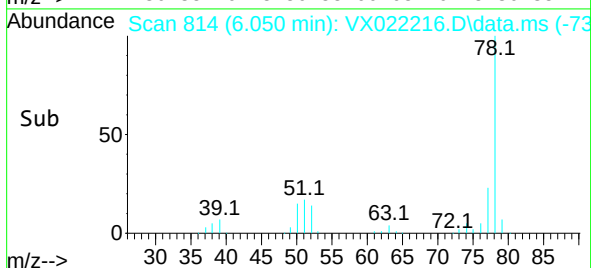
MMDadoda  
5/28/2021 2:34:34 PM

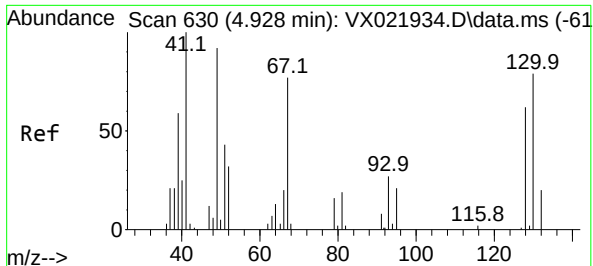


#34  
Benzene  
Concen: 20.18 ug/l  
RT: 6.050 min Scan# 814  
Delta R.T. 0.006 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45



Tgt Ion: 78 Resp: 92664  
Ion Ratio Lower Upper  
78 100  
77 22.5 17.8 26.8  
51 14.5 10.6 15.8





#35

Methacrylonitrile

Concen: 21.74 ug/l

RT: 4.934 min Scan# 631

Delta R.T. 0.006 min

Lab File: VX022216.D

Acq: 26 May 2021 23:45

Tgt Ion: 41 Resp: 19822

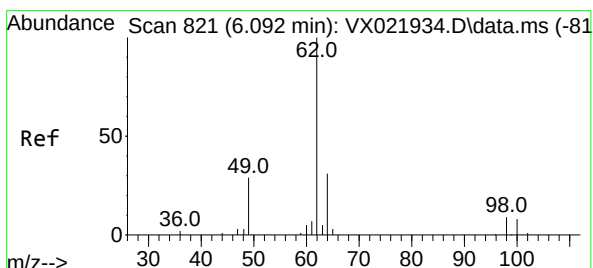
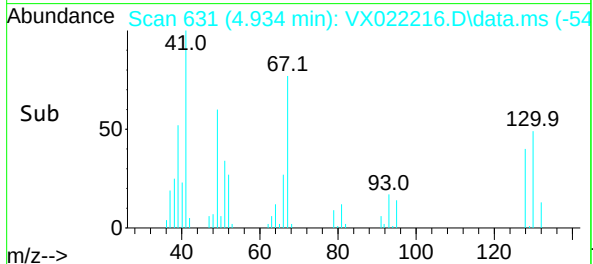
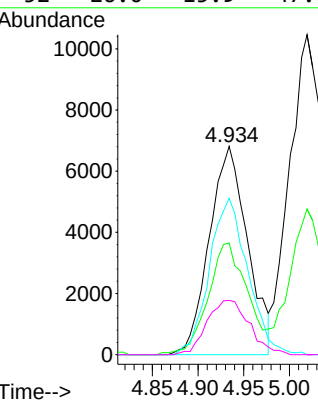
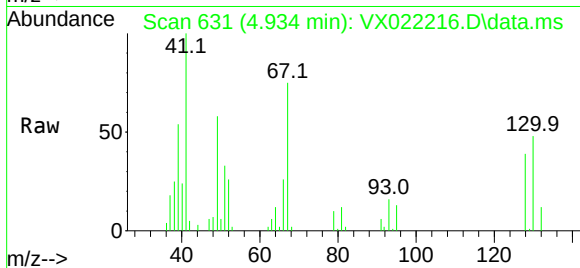
Ion Ratio Lower Upper

41 100

39 52.8 29.3 87.8

67 75.1 38.3 114.9

52 26.0 15.9 47.6



#36

1,2-Dichloroethane

Concen: 21.03 ug/l

RT: 6.098 min Scan# 822

Delta R.T. 0.007 min

Lab File: VX022216.D

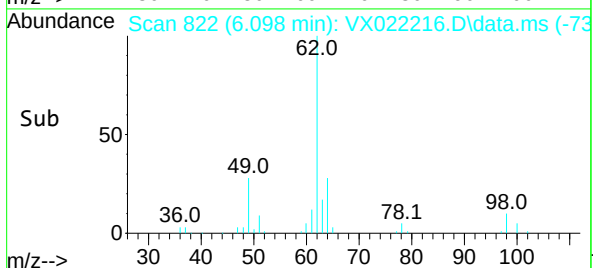
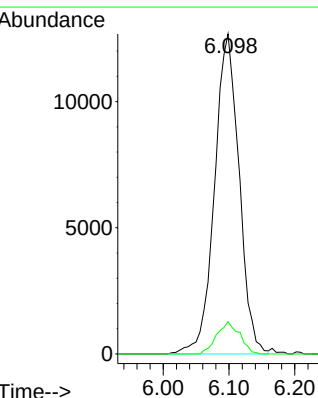
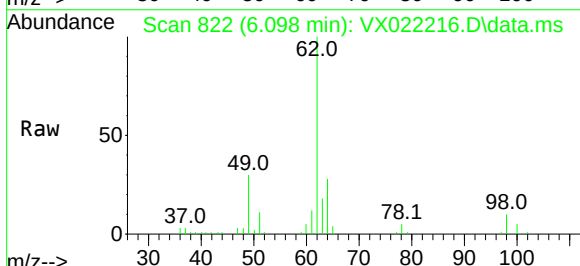
Acq: 26 May 2021 23:45

Tgt Ion: 62 Resp: 32972

Ion Ratio Lower Upper

62 100

98 9.4 4.6 7.0#



Instrument :

MSVOA\_X

ClientSampleId :

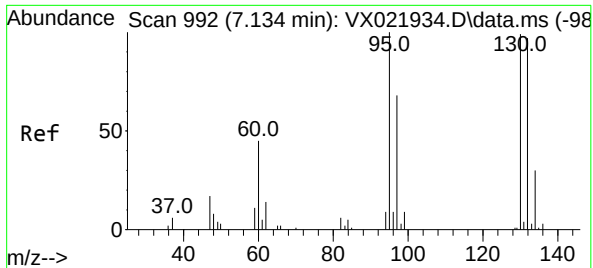
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#37

Trichloroethene

Concen: 19.70 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.000 min

Lab File: VX022216.D

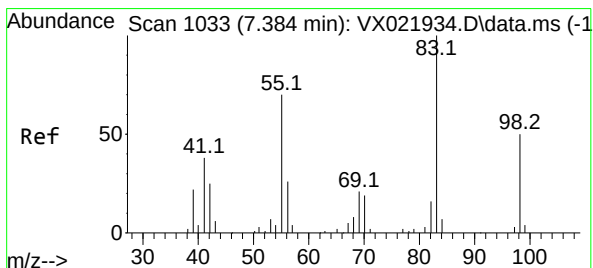
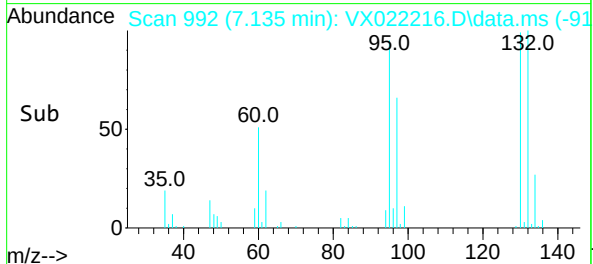
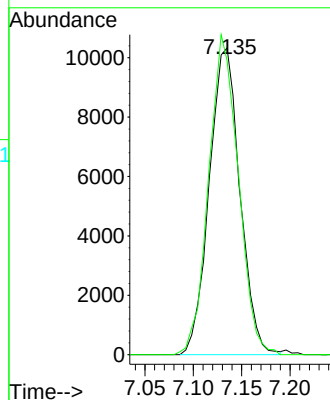
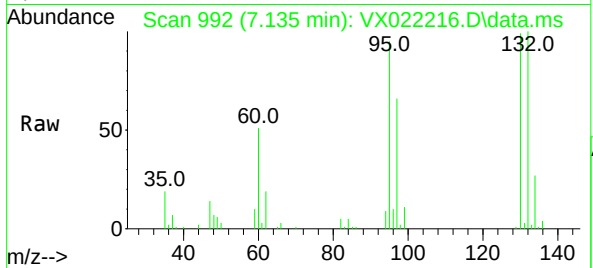
Acq: 26 May 2021 23:45

Tgt Ion:130 Resp: 22737

Ion Ratio Lower Upper

130 100

95 95.9 81.1 121.7



#38

Methylcyclohexane

Concen: 19.21 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VX022216.D

Acq: 26 May 2021 23:45

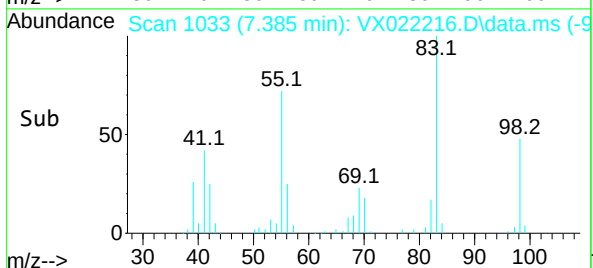
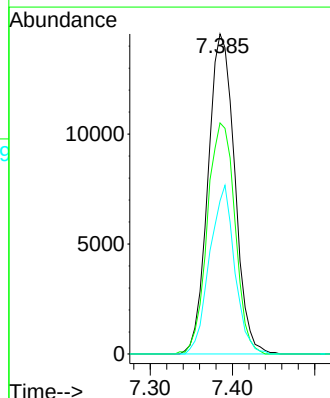
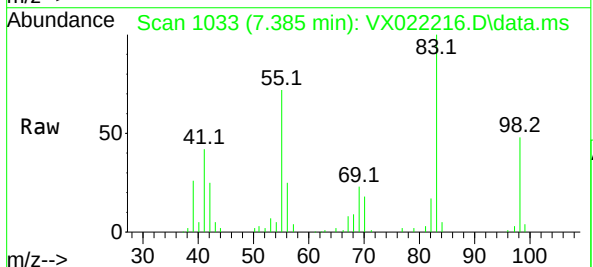
Tgt Ion: 83 Resp: 32824

Ion Ratio Lower Upper

83 100

55 74.6 36.4 109.2

98 49.4 25.3 75.9



Instrument :

MSVOA\_X

ClientSampleId :

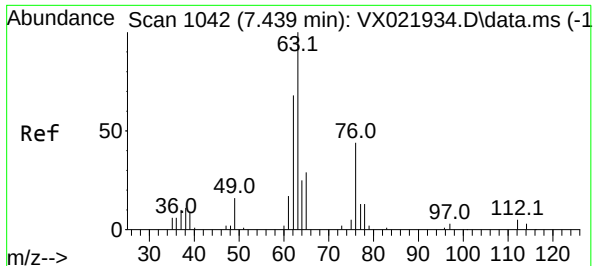
VSTDCCC020

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#39

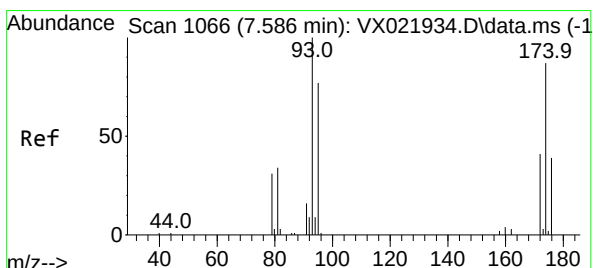
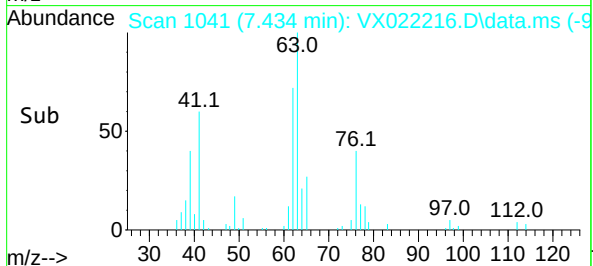
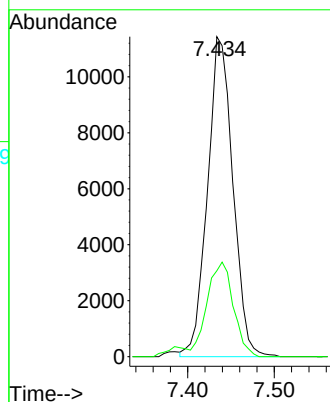
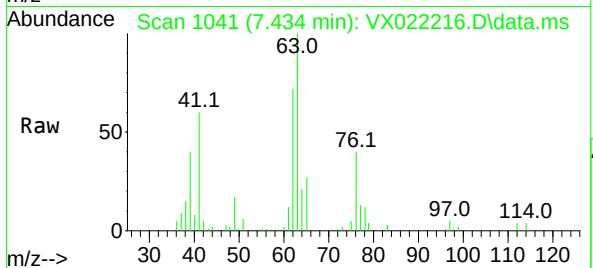
1,2-Dichloropropane  
Concen: 20.32 ug/l  
RT: 7.434 min Scan# 1041  
Delta R.T. -0.006 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 63 Resp: 23296  
Ion Ratio Lower Upper  
63 100  
65 26.8 25.2 37.8

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Manual Integrations  
APPROVED

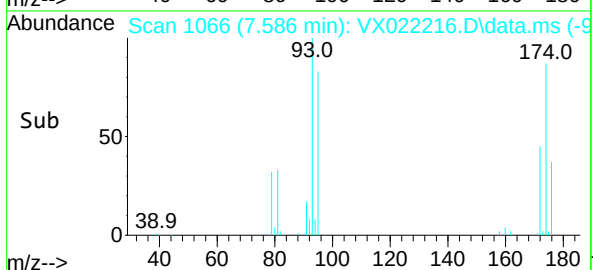
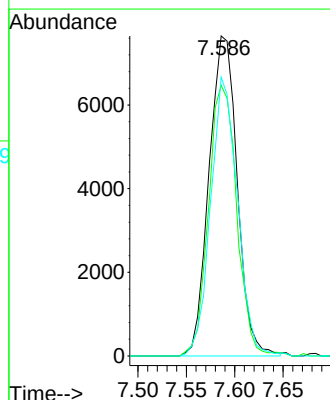
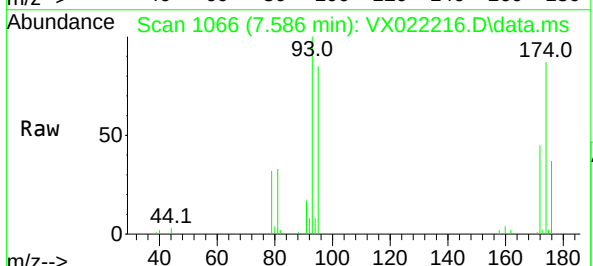
MMDadoda  
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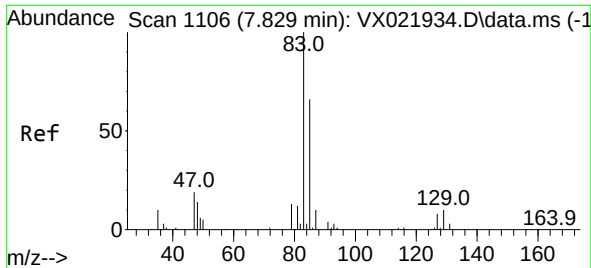


#40

Dibromomethane  
Concen: 19.44 ug/l  
RT: 7.586 min Scan# 1066  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 93 Resp: 15513  
Ion Ratio Lower Upper  
93 100  
95 84.0 0.0 166.0  
174 82.7 0.0 170.4





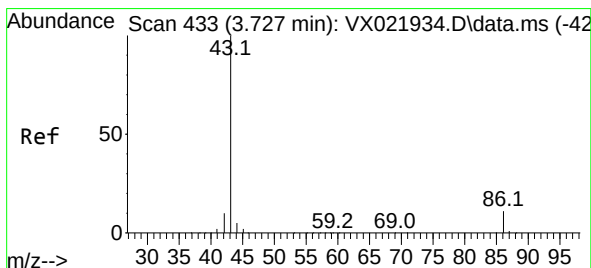
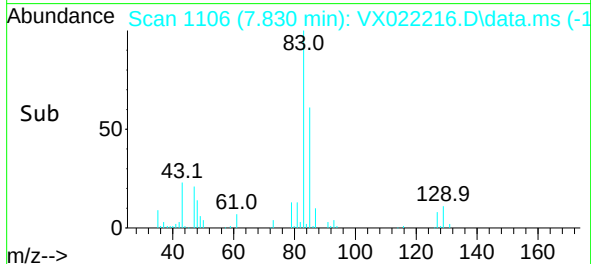
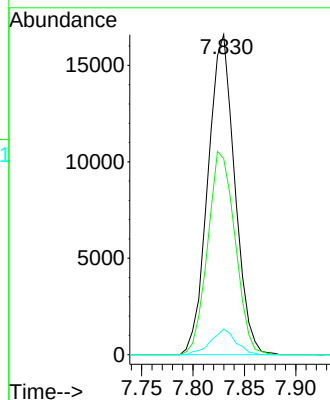
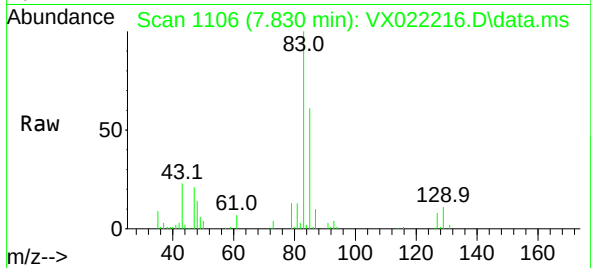
#41  
Bromodichloromethane  
Concen: 18.94 ug/l  
RT: 7.830 min Scan# 1106  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 30161 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 61.3  | 52.6  | 78.8  |
| 127      | 8.0   | 6.1   | 9.1   |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

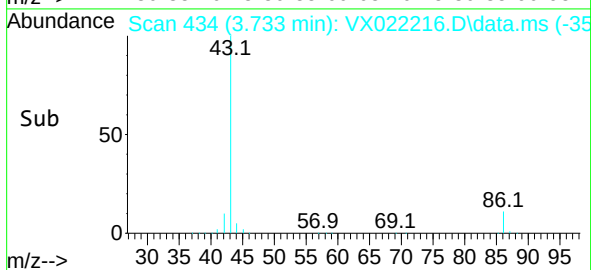
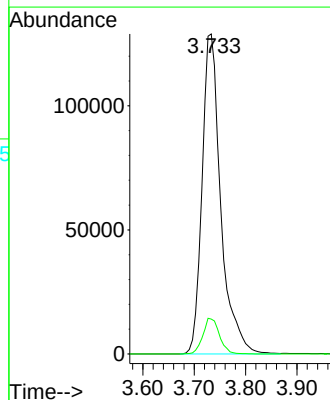
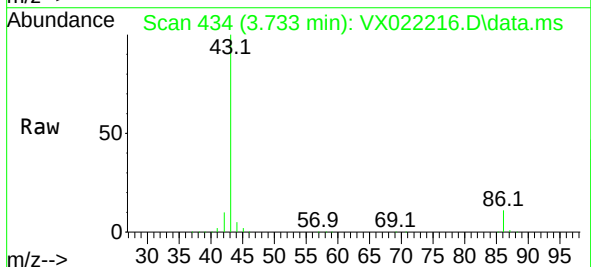
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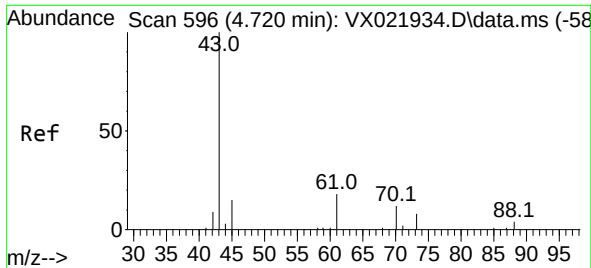


#42  
Vinyl Acetate  
Concen: 102.43 ug/l  
RT: 3.733 min Scan# 434  
Delta R.T. 0.006 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 325867 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 86       | 9.9   | 8.2   | 12.4   |







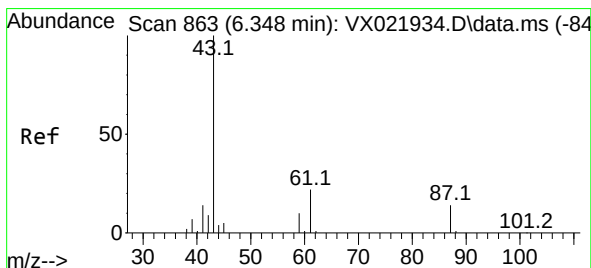
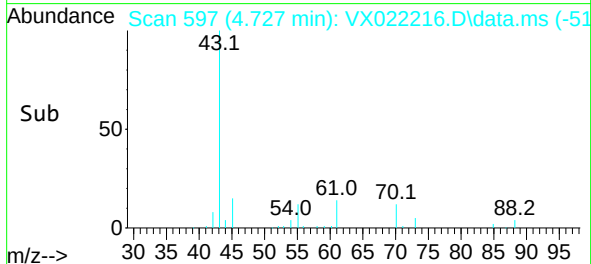
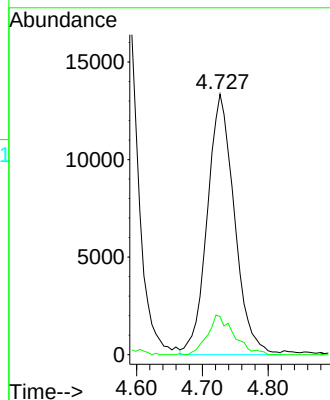
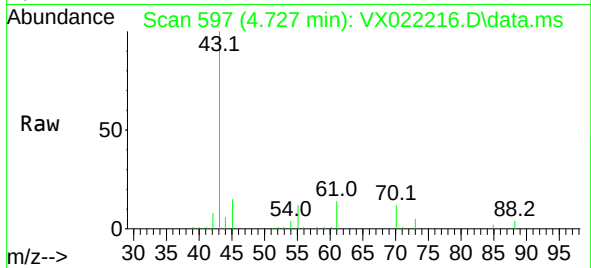
#43  
Ethyl Acetate  
Concen: 22.16 ug/l  
RT: 4.727 min Scan# 597  
Delta R.T. 0.006 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 43 Resp: 38369  
Ion Ratio Lower Upper  
43 100  
45 14.3 11.2 16.8

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

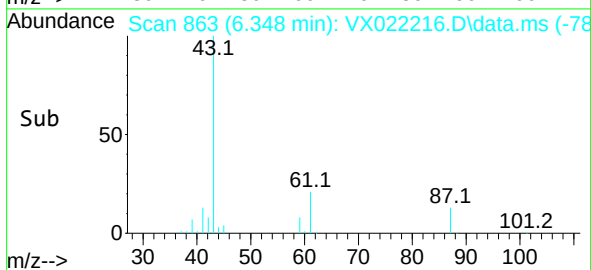
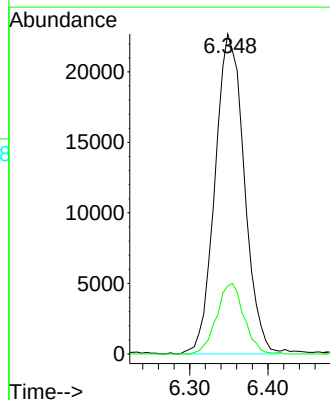
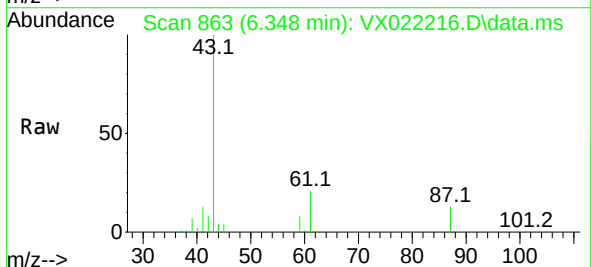
Manual Integrations  
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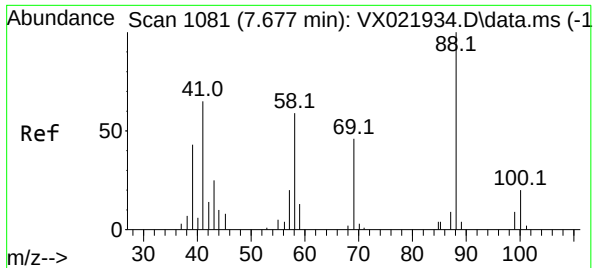
MMDadoda  
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#44  
Isopropyl Acetate  
Concen: 20.62 ug/l  
RT: 6.348 min Scan# 863  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 43 Resp: 58881  
Ion Ratio Lower Upper  
43 100  
61 20.5 17.0 25.4





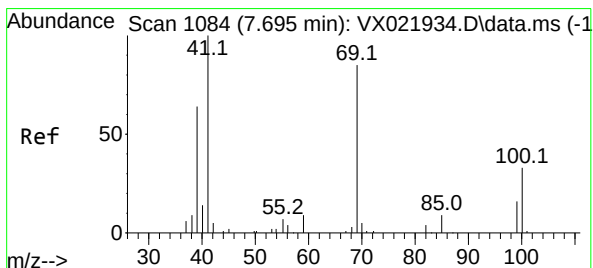
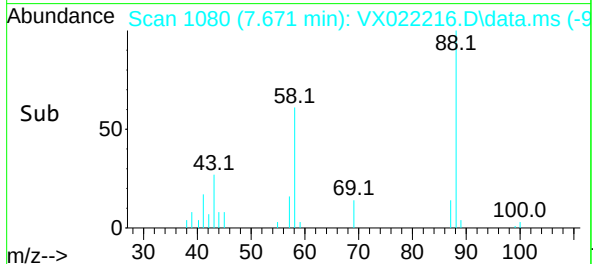
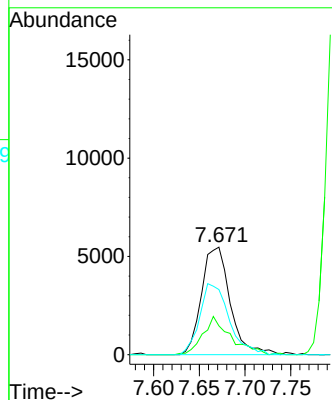
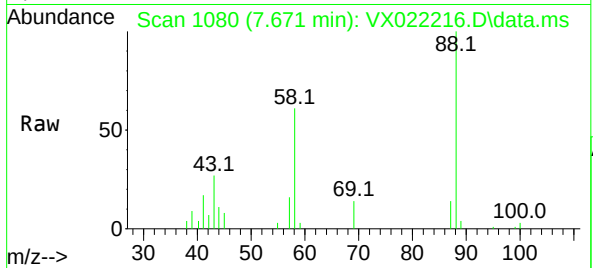
#45  
1,4-Dioxane  
Concen: 468.14 ug/l  
RT: 7.671 min Scan# 1080  
Delta R.T. -0.006 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 88 Resp: 11934  
Ion Ratio Lower Upper  
88 100  
43 28.9 0.0 0.0#  
58 67.6 0.0 0.0#

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDCCC020

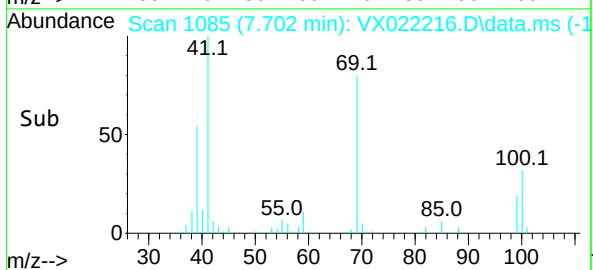
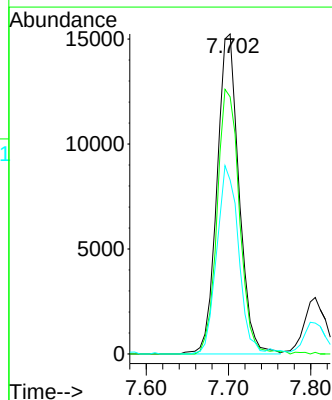
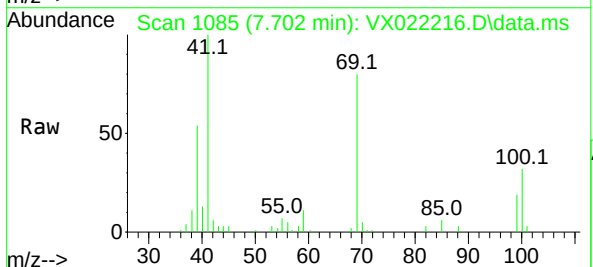
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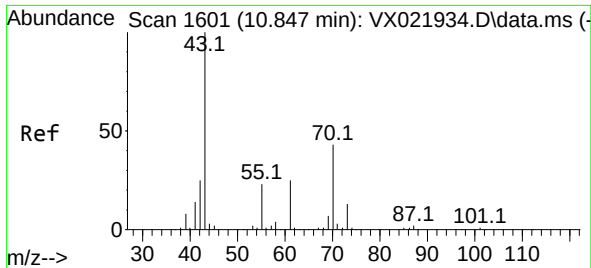
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#46  
Methyl methacrylate  
Concen: 21.41 ug/l  
RT: 7.702 min Scan# 1085  
Delta R.T. 0.007 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 41 Resp: 28341  
Ion Ratio Lower Upper  
41 100  
69 80.3 42.7 128.1  
39 54.4 32.1 96.3





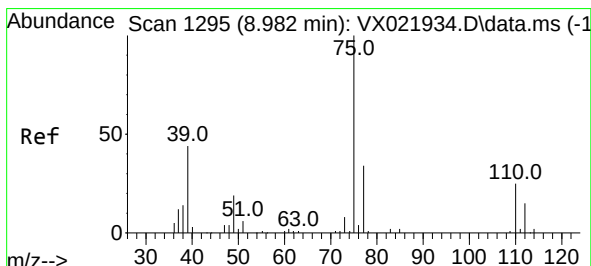
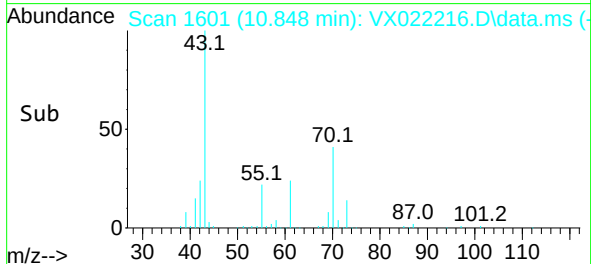
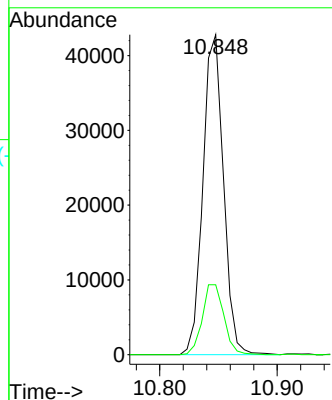
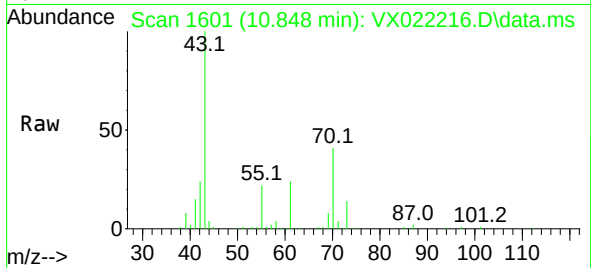
#47  
n-amyl Acetate  
Concen: 21.87 ug/l  
RT: 10.848 min Scan# 1601  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 43 Resp: 51931  
Ion Ratio Lower Upper  
43 100  
55 23.0 18.9 28.3

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

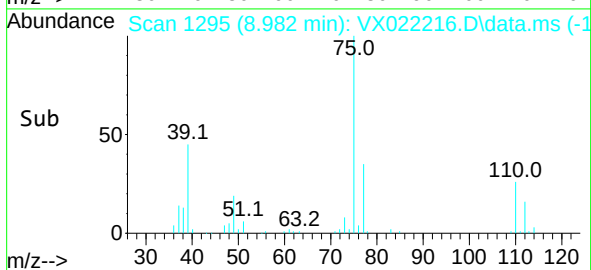
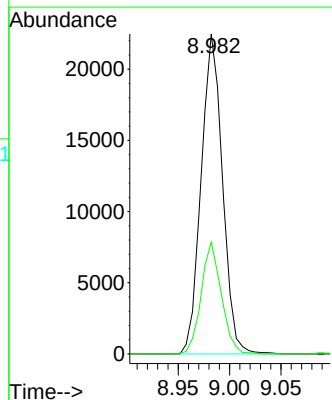
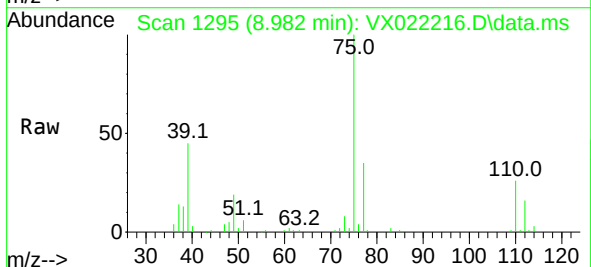
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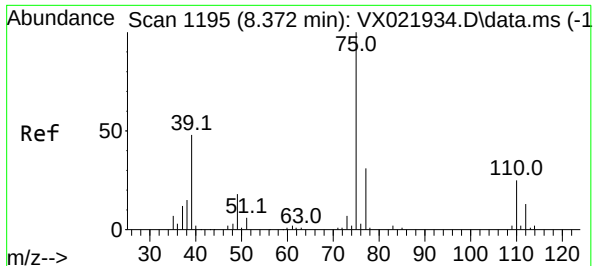
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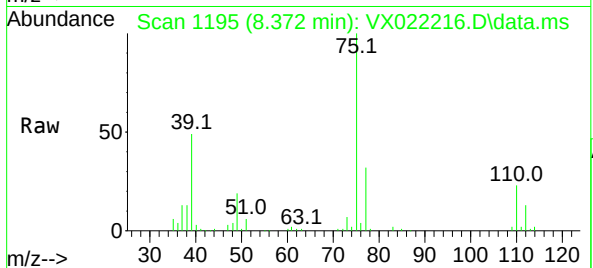
#48  
t-1,3-Dichloropropene  
Concen: 18.15 ug/l  
RT: 8.982 min Scan# 1295  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 75 Resp: 32452  
Ion Ratio Lower Upper  
75 100  
77 35.0 26.8 40.2



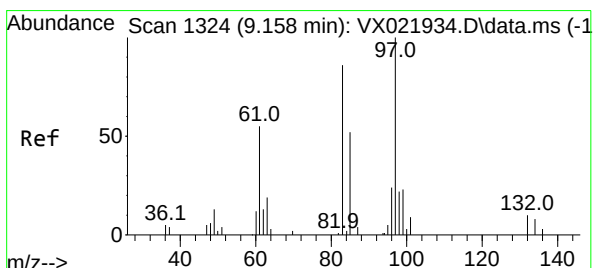
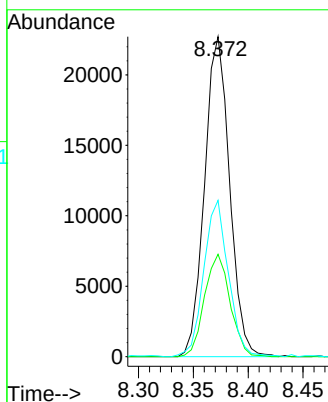
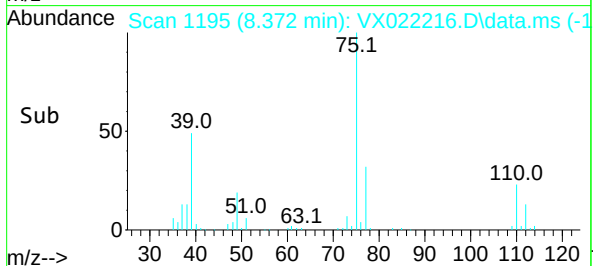


#49  
 cis-1,3-Dichloropropene  
 Concen: 18.82 ug/l  
 RT: 8.372 min Scan# 1195  
 Delta R.T. 0.000 min  
 Lab File: VX022216.D  
 Acq: 26 May 2021 23:45

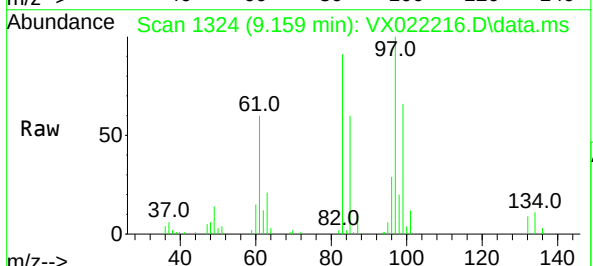


Tgt Ion: 75 Resp: 36127

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 32.0  | 24.9  | 37.3  |
| 39  | 48.6  | 38.6  | 57.8  |

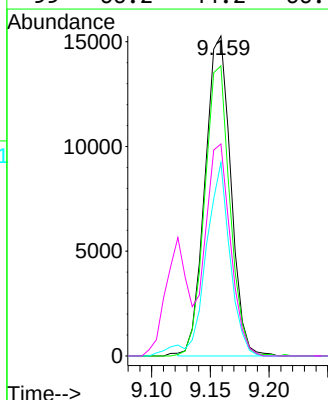
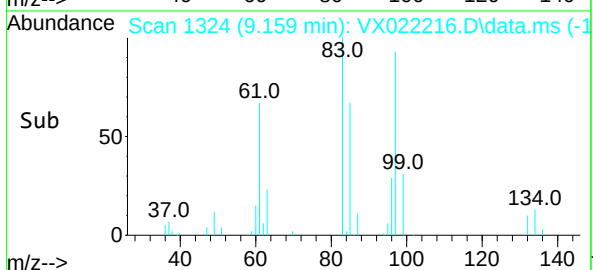


#50  
 1,1,2-Trichloroethane  
 Concen: 20.54 ug/l  
 RT: 9.159 min Scan# 1324  
 Delta R.T. 0.000 min  
 Lab File: VX022216.D  
 Acq: 26 May 2021 23:45



Tgt Ion: 97 Resp: 23321

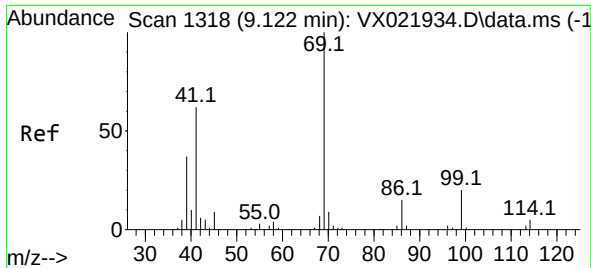
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 90.6  | 68.2  | 102.4 |
| 85  | 60.4  | 44.4  | 66.6  |
| 99  | 66.2  | 44.2  | 66.4  |



Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020

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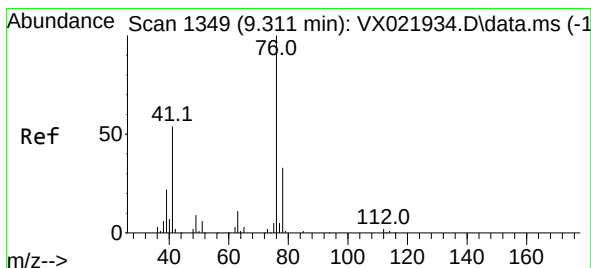
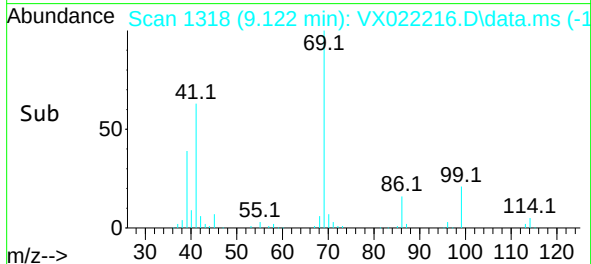
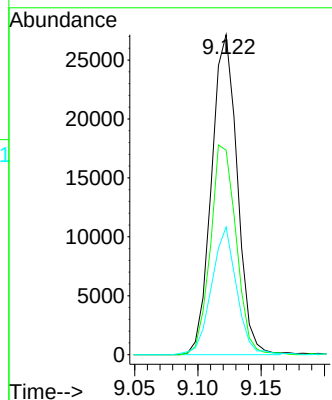
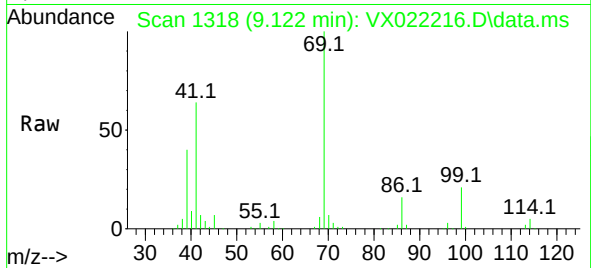
#51  
Ethyl methacrylate  
Concen: 20.99 ug/l  
RT: 9.122 min Scan# 1318  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 69    | Resp: | 38446 |
| Ion Ratio | Lower | Upper |       |
| 69        | 100   |       |       |
| 41        | 63.9  | 31.1  | 93.5  |
| 39        | 39.6  | 18.3  | 54.9  |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

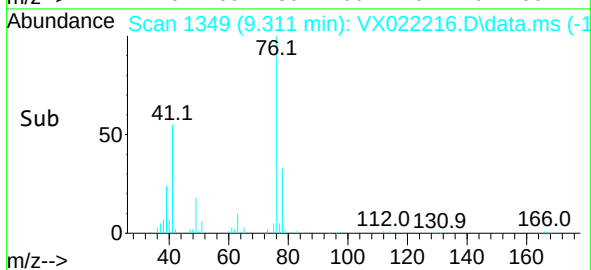
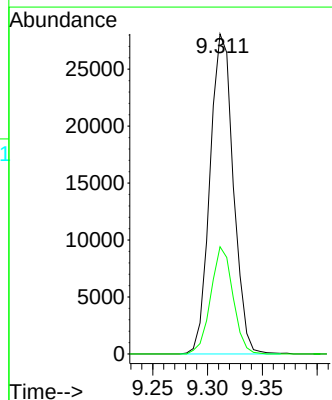
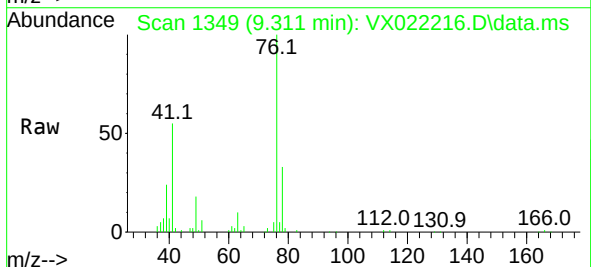
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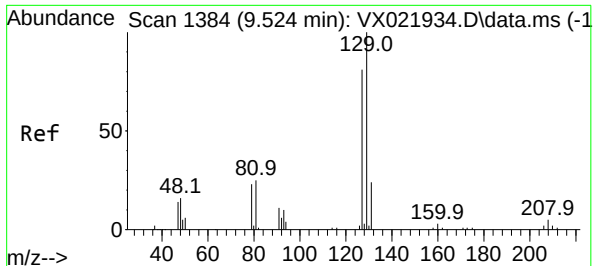
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#52  
1,3-Dichloropropane  
Concen: 21.03 ug/l  
RT: 9.311 min Scan# 1349  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 76    | Resp: | 41628 |
| Ion Ratio | Lower | Upper |       |
| 76        | 100   |       |       |
| 78        | 31.8  | 0.0   | 64.2  |





#53

Dibromochloromethane

Concen: 18.42 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VX022216.D

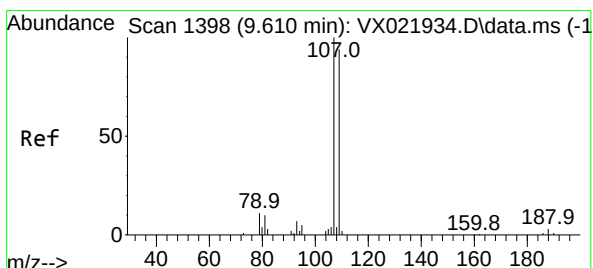
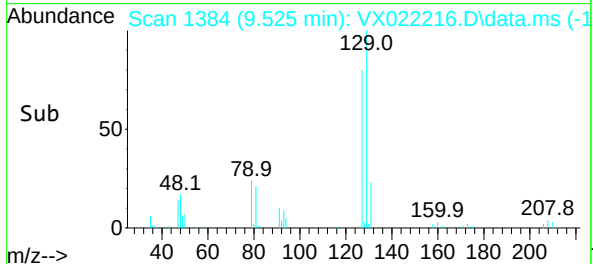
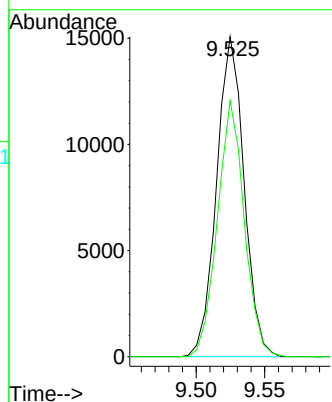
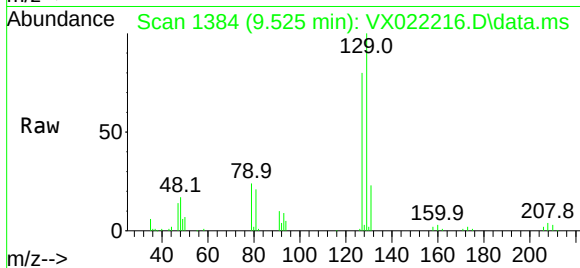
Acq: 26 May 2021 23:45

Tgt Ion:129 Resp: 21012

Ion Ratio Lower Upper

129 100

127 78.3 39.0 116.9



#54

1,2-Dibromoethane

Concen: 20.17 ug/l

RT: 9.616 min Scan# 1399

Delta R.T. 0.007 min

Lab File: VX022216.D

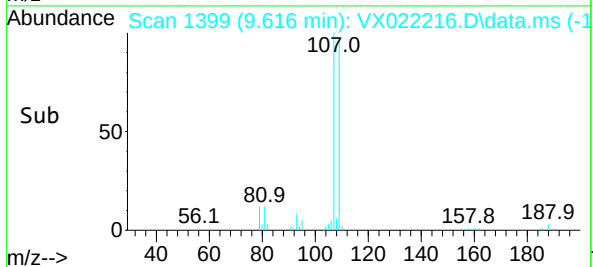
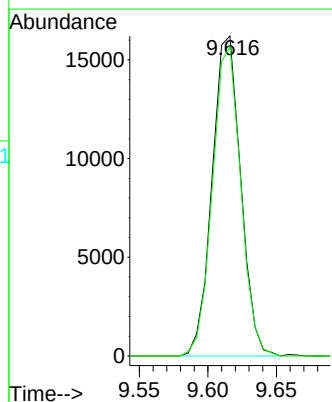
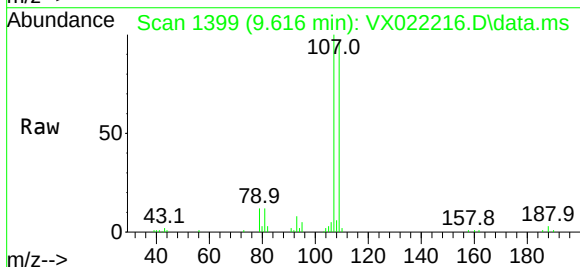
Acq: 26 May 2021 23:45

Tgt Ion:107 Resp: 23527

Ion Ratio Lower Upper

107 100

109 95.7 74.4 111.6



Instrument :

MSVOA\_X

ClientSampleId :

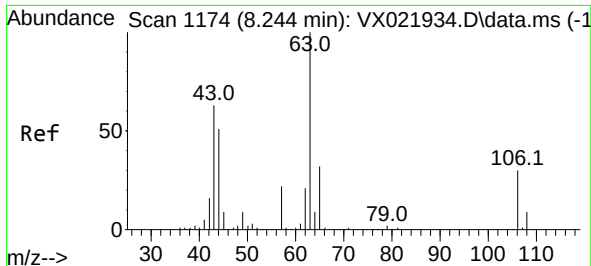
VSTDCCC020

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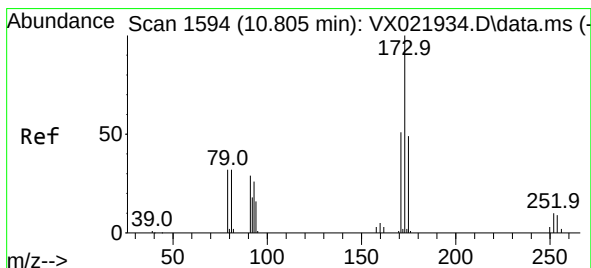
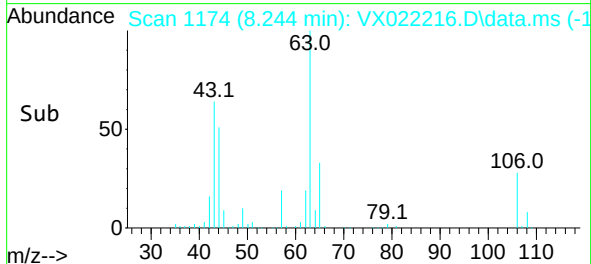
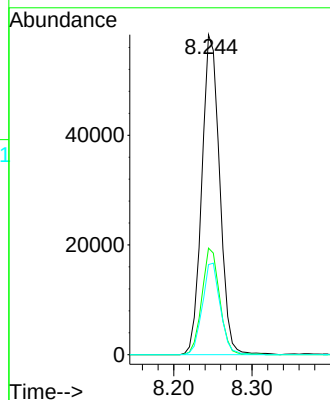
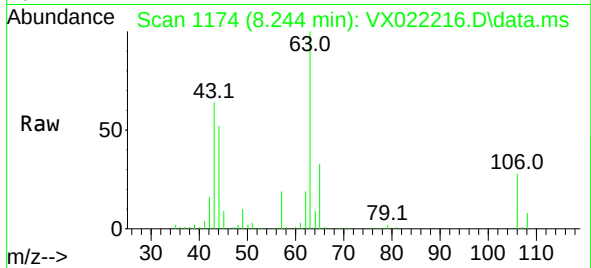
#55  
2-Chloroethyl vinyl ether  
Concen: 95.59 ug/l  
RT: 8.244 min Scan# 1174  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 92402 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 33.0  | 25.6  | 38.4  |
| 106      | 28.7  | 23.2  | 34.8  |

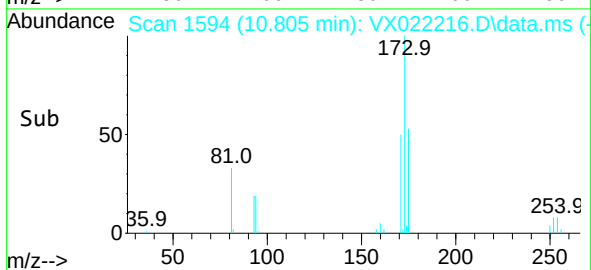
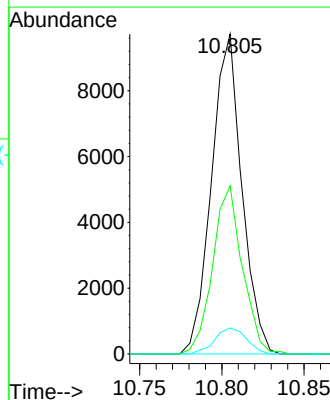
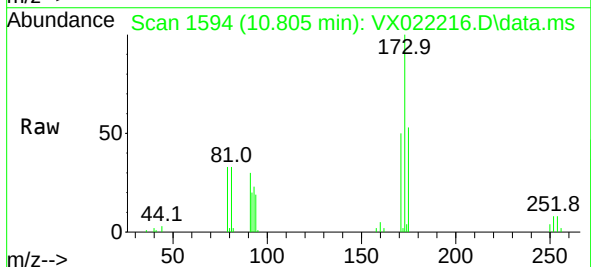
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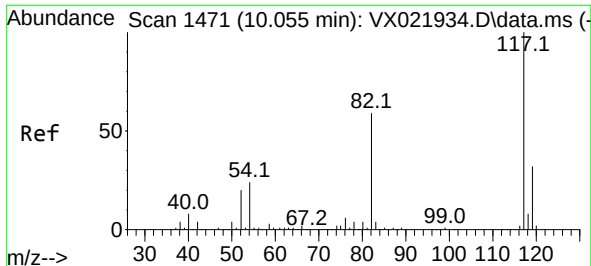
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#56  
Bromoform  
Concen: 17.24 ug/l  
RT: 10.805 min Scan# 1594  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 12481 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 51.3  | 39.4  | 59.2  |
| 254      | 8.5   | 8.0   | 12.0  |





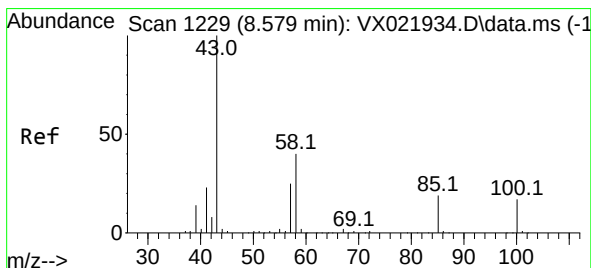
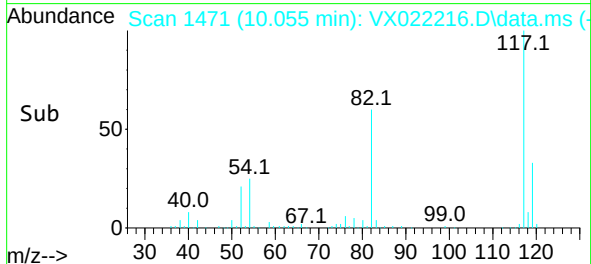
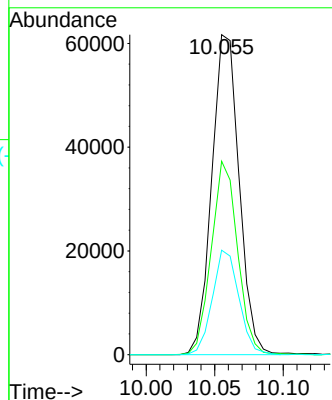
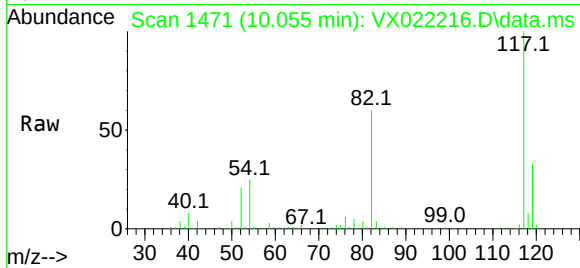
#57  
Chlorobenzene-d5  
Concen: 30.00 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 85703 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 82        | 58.1  | 44.9  | 67.3  |
| 119       | 31.7  | 25.0  | 37.6  |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

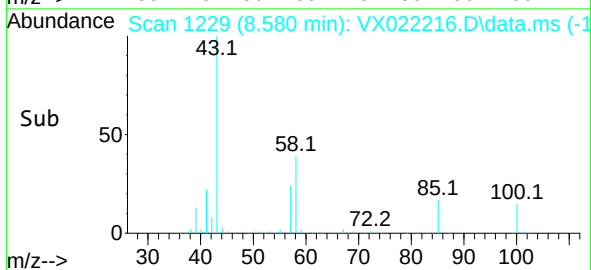
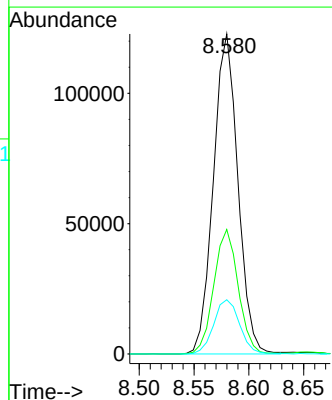
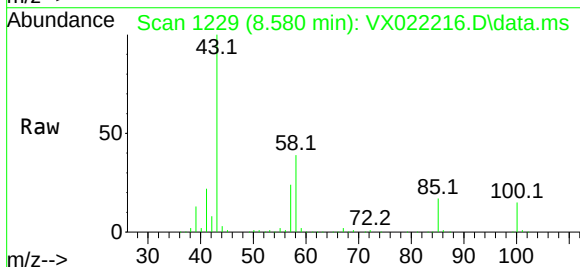
Manual Integrations  
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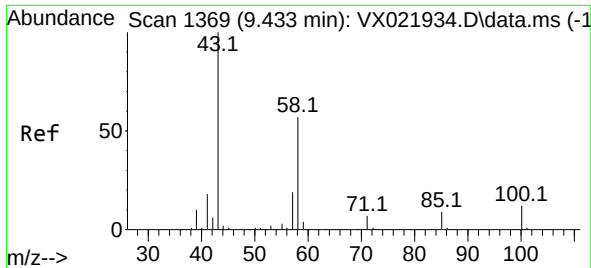


#58  
4-Methyl-2-Pentanone  
Concen: 110.62 ug/l  
RT: 8.580 min Scan# 1229  
Delta R.T. 0.001 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 191186 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 38.8  | 31.8  | 47.6   |
| 85        | 17.9  | 14.9  | 22.3   |







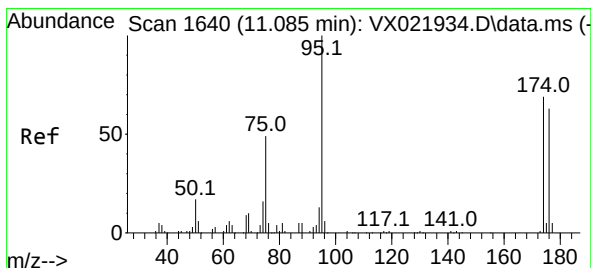
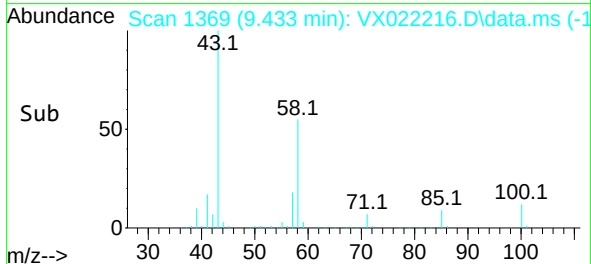
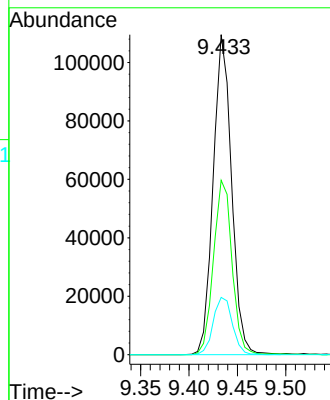
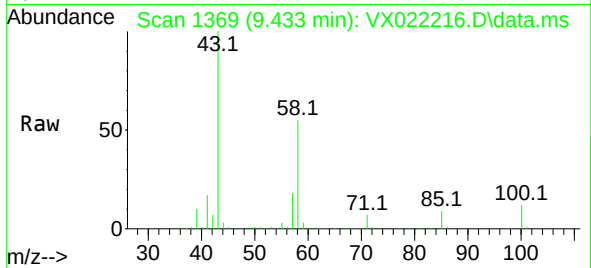
#59  
2-Hexanone  
Concen: 113.10 ug/l  
RT: 9.433 min Scan# 1369  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 43 Resp: 144761  
Ion Ratio Lower Upper  
43 100  
58 54.8 45.3 67.9  
57 18.7 15.0 22.6

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

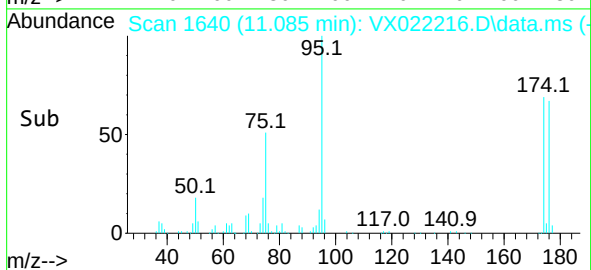
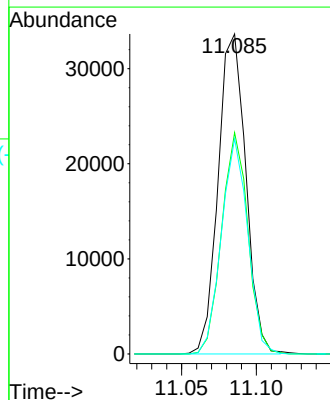
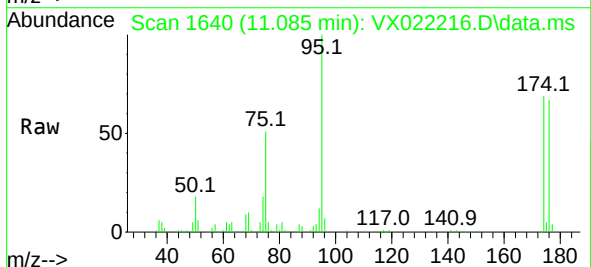
Manual Integrations  
APPROVED

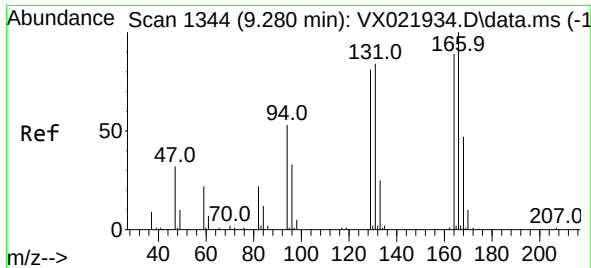
MMDadoda  
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#60  
4-Bromofluorobenzene  
Concen: 30.45 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

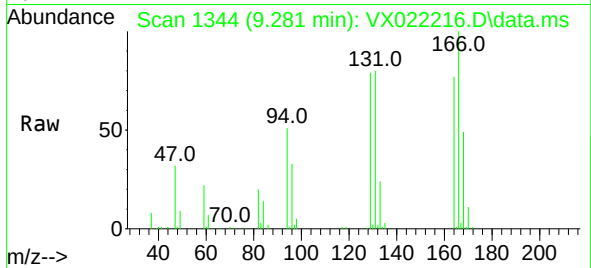
Tgt Ion: 95 Resp: 43305  
Ion Ratio Lower Upper  
95 100  
174 65.7 52.2 78.2  
176 64.0 49.3 73.9





#61  
Tetrachloroethene  
Concen: 19.60 ug/l  
RT: 9.281 min Scan# 1344  
Delta R.T. 0.001 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

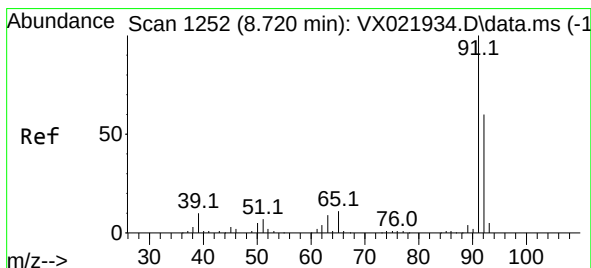
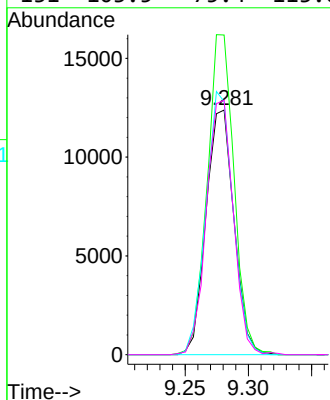
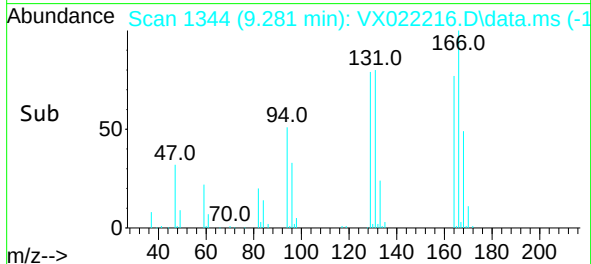
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



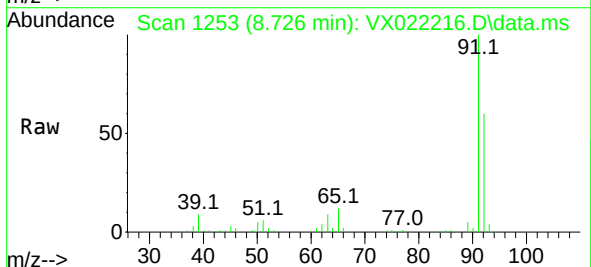
Tgt Ion:164 Resp: 19058  
Ion Ratio Lower Upper  
164 100  
166 130.6 90.2 135.4  
129 103.5 73.4 110.0  
131 103.5 75.4 113.0

Manual Integrations  
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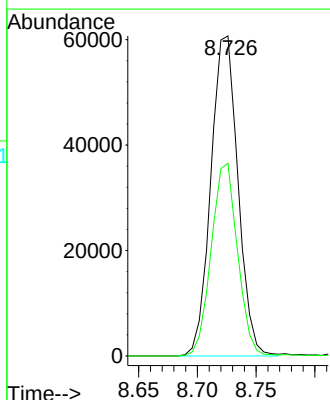
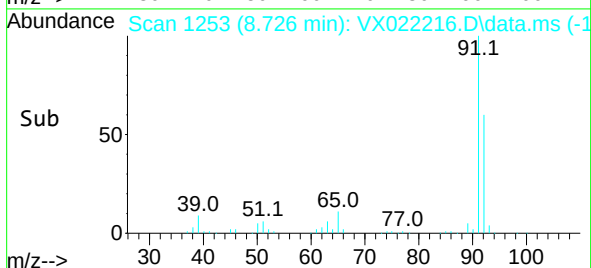
MMDadoda  
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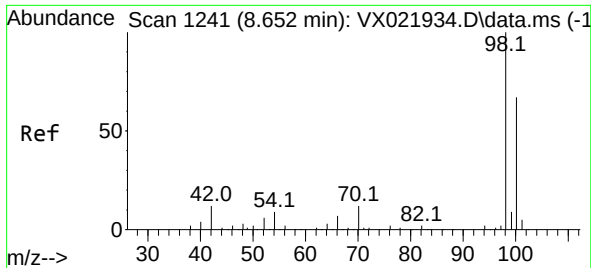


#62  
Toluene  
Concen: 19.87 ug/l  
RT: 8.726 min Scan# 1253  
Delta R.T. 0.007 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45



Tgt Ion: 91 Resp: 97525  
Ion Ratio Lower Upper  
91 100  
92 58.4 47.4 71.2





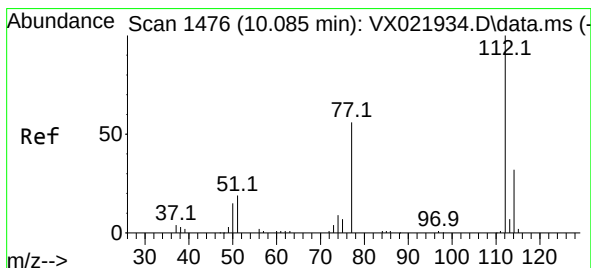
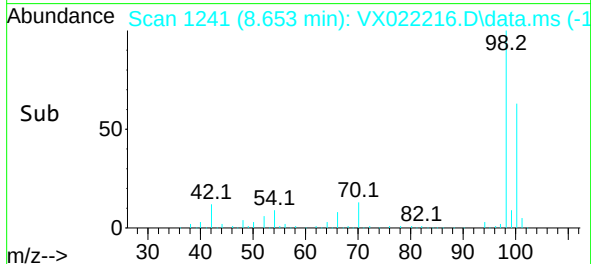
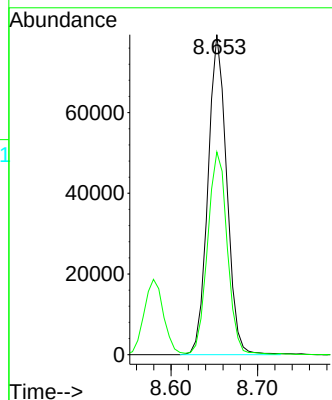
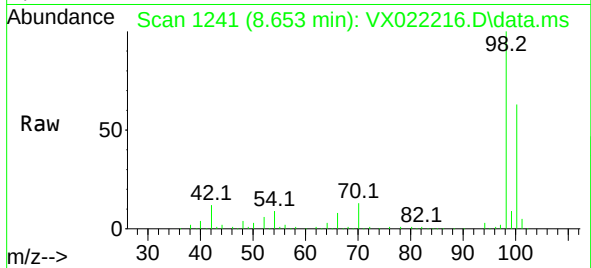
#63  
Toluene-d8  
Concen: 30.48 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.001 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 98 Resp: 119354  
Ion Ratio Lower Upper  
98 100  
100 66.4 52.6 78.8

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

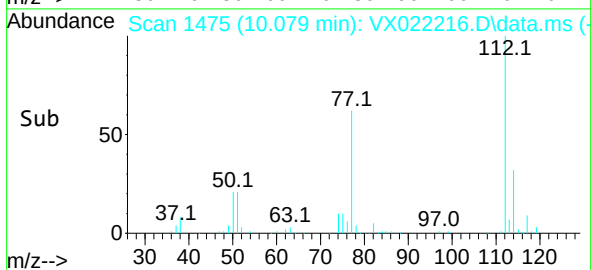
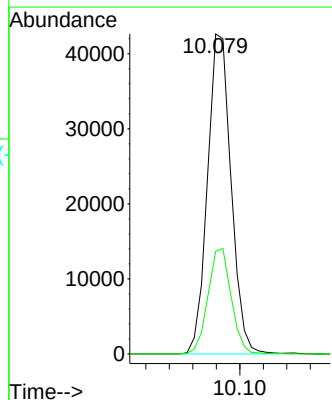
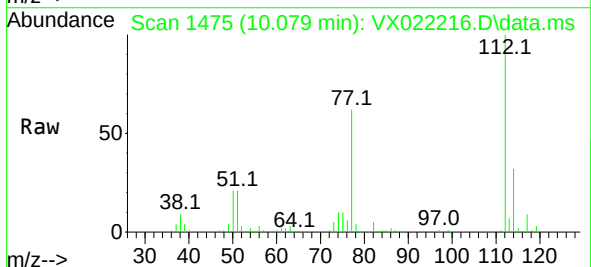
Manual Integrations  
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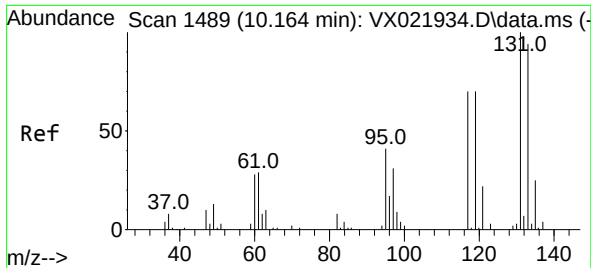
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#64  
Chlorobenzene  
Concen: 20.27 ug/l  
RT: 10.079 min Scan# 1475  
Delta R.T. -0.006 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 112 Resp: 59487  
Ion Ratio Lower Upper  
112 100  
114 32.1 25.3 37.9





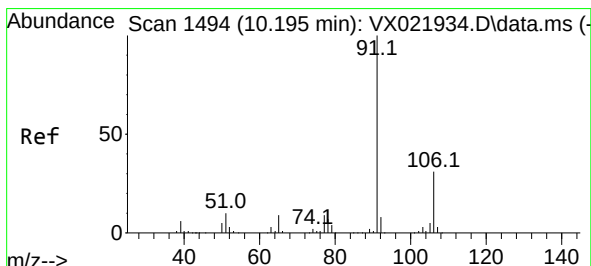
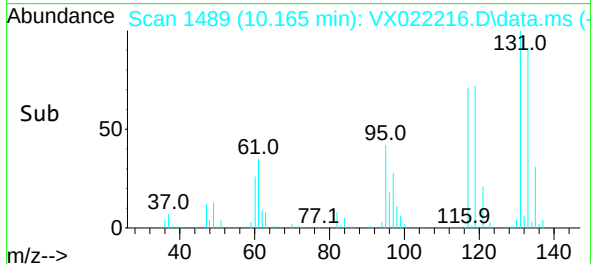
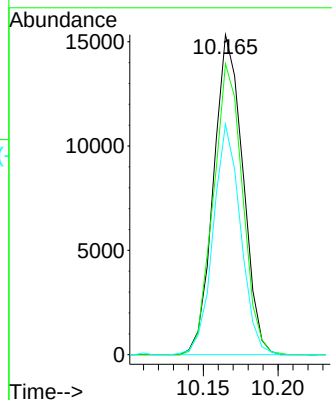
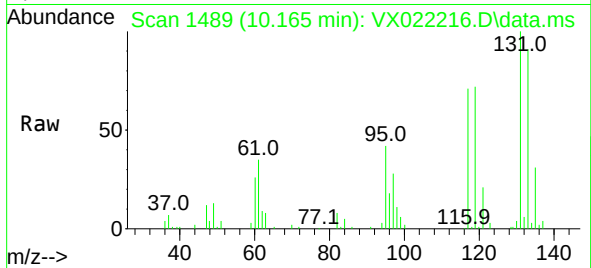
#65  
1,1,1,2-Tetrachloroethane  
Concen: 19.48 ug/l  
RT: 10.165 min Scan# 1489  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 131   | Resp: | 20856 |
| Ion Ratio | Lower | Upper |       |
| 131       | 100   |       |       |
| 133       | 90.8  | 0.0   | 187.6 |
| 119       | 67.5  | 0.0   | 137.6 |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

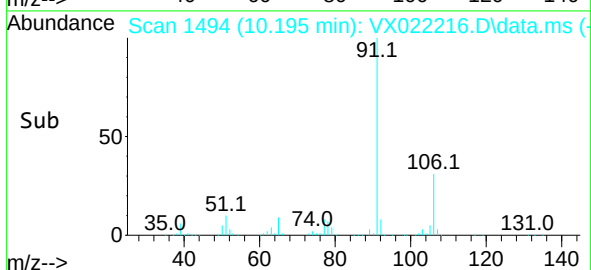
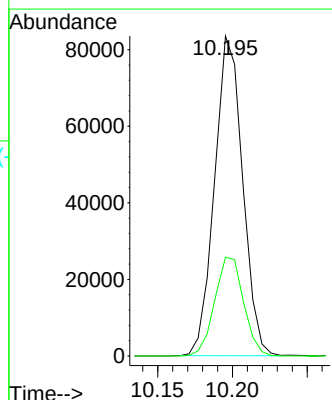
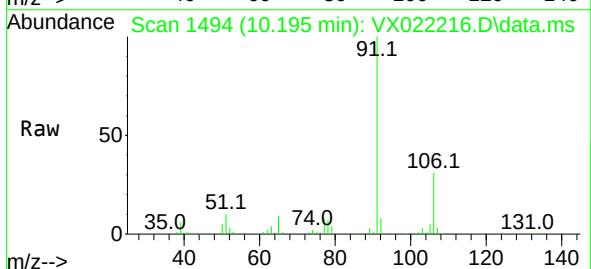
Manual Integrations  
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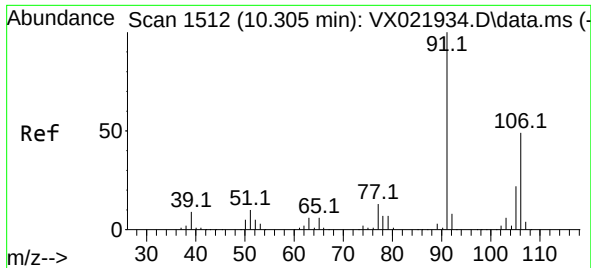
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#66  
Ethyl Benzene  
Concen: 20.19 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 108976 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 106       | 30.9  | 24.6  | 37.0   |





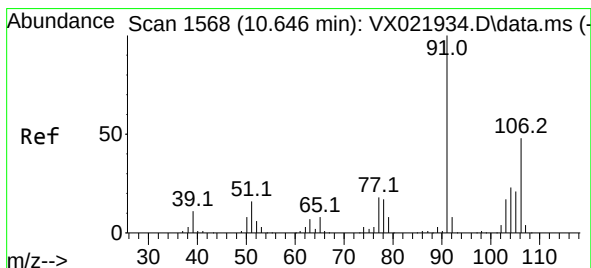
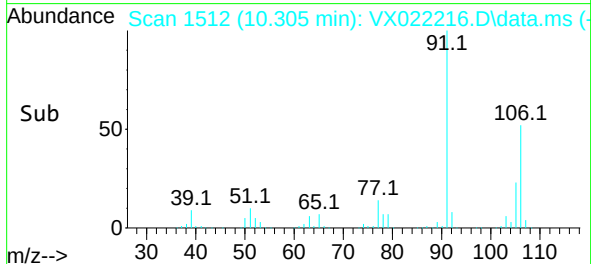
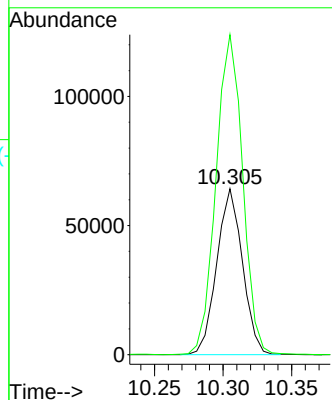
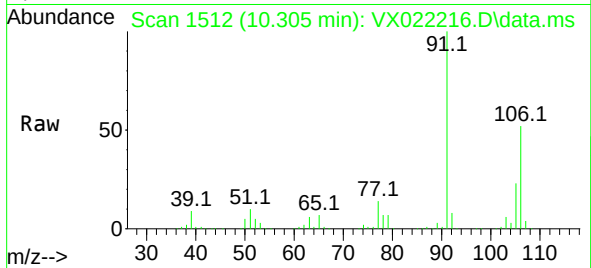
#67  
m/p-Xylenes  
Concen: 41.00 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion:106 Resp: 83879  
Ion Ratio Lower Upper  
106 100  
91 200.3 166.0 249.0

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

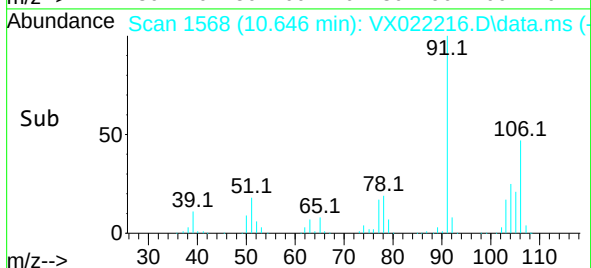
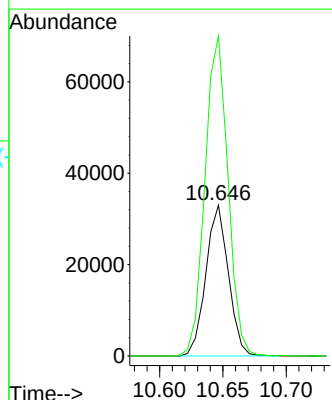
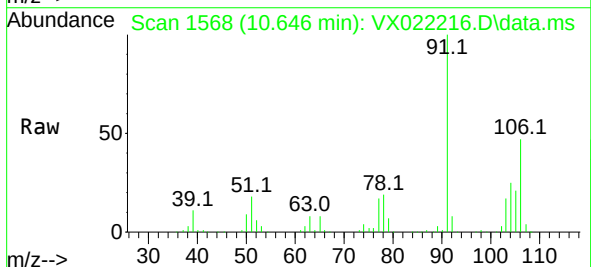
Manual Integrations  
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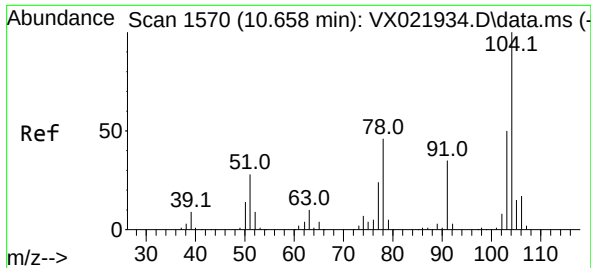
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#68  
o-Xylene  
Concen: 20.54 ug/l  
RT: 10.646 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion:106 Resp: 40934  
Ion Ratio Lower Upper  
106 100  
91 216.7 106.0 318.0





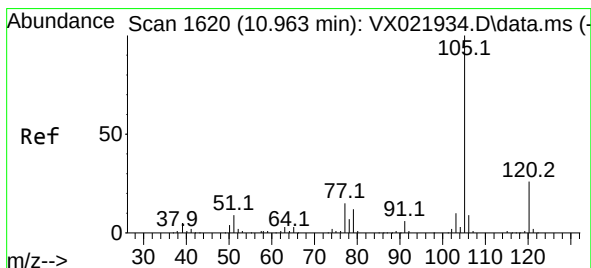
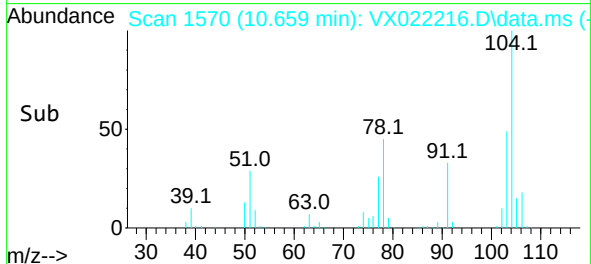
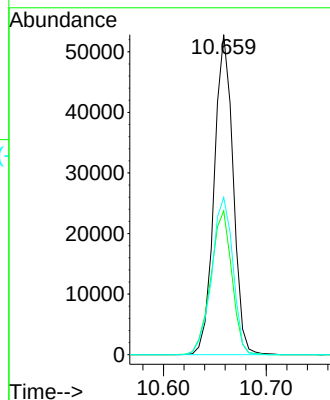
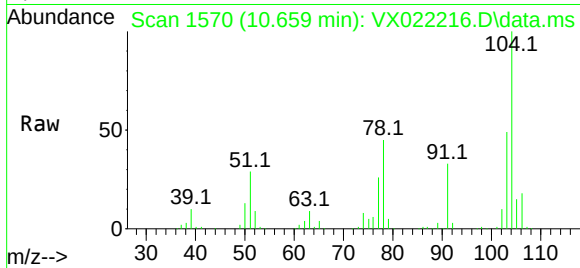
#69  
Styrene  
Concen: 20.20 ug/l  
RT: 10.659 min Scan# 1570  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion:104 Resp: 67358  
Ion Ratio Lower Upper  
104 100  
78 50.3 41.8 62.8  
103 54.9 44.1 66.1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

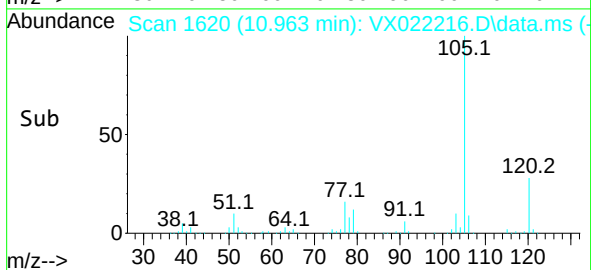
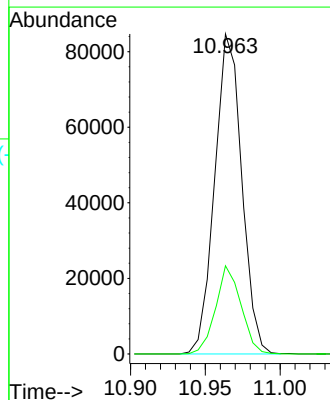
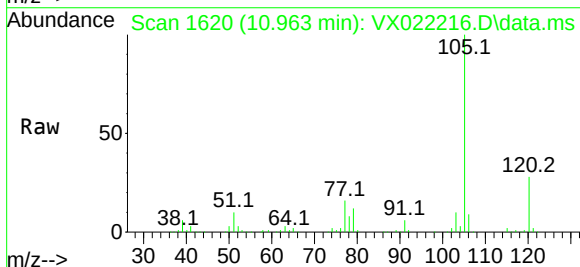
Manual Integrations  
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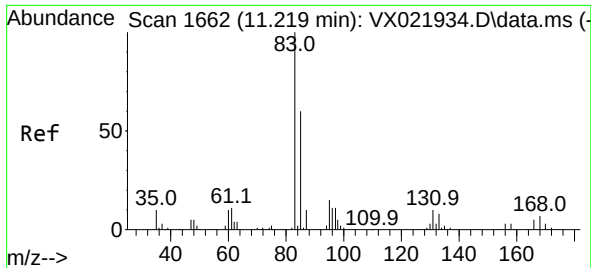
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#70  
Isopropylbenzene  
Concen: 20.37 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion:105 Resp: 106603  
Ion Ratio Lower Upper  
105 100  
120 25.8 18.9 35.1





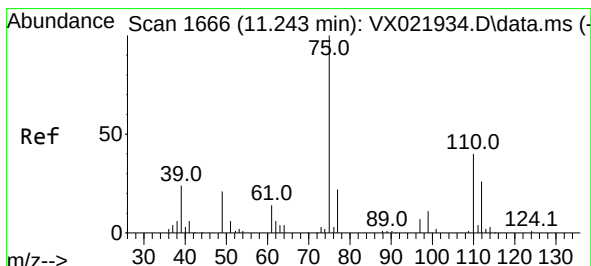
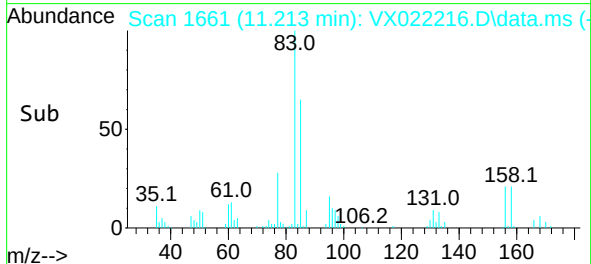
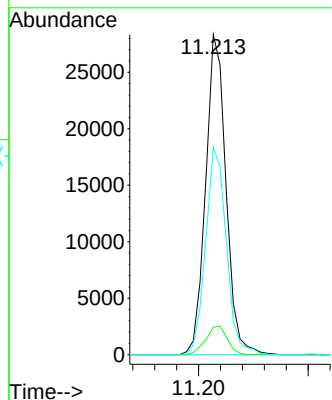
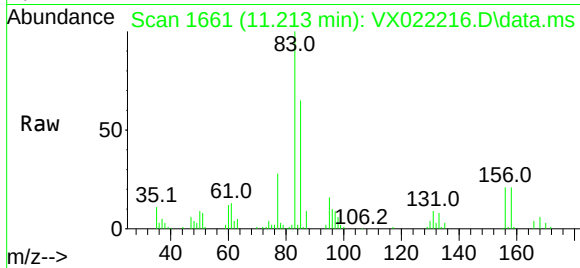
#71  
1,1,2,2-Tetrachloroethane  
Concen: 21.18 ug/l  
RT: 11.213 min Scan# 1661  
Delta R.T. -0.006 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 83 Resp: 36557  
Ion Ratio Lower Upper  
83 100  
131 9.4 4.7 14.1  
85 66.0 30.8 92.3

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

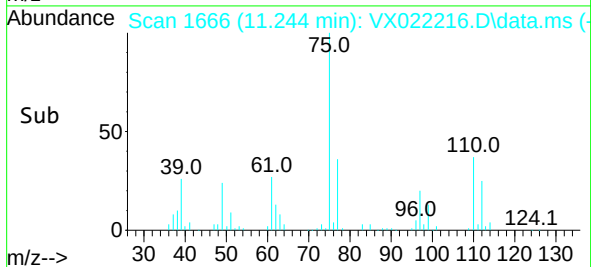
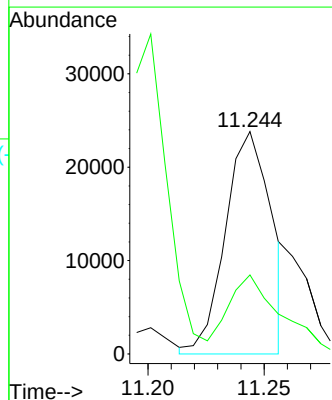
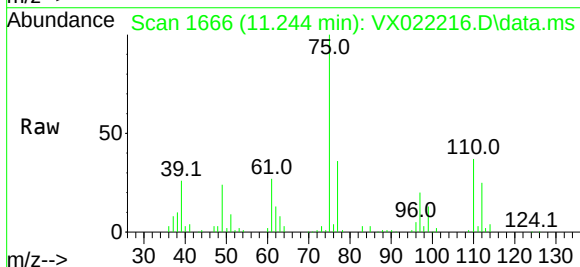
Manual Integrations  
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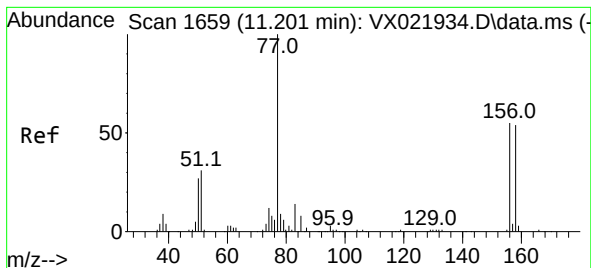
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5/28/2021 2:34:34 PM



#72  
1,2,3-Trichloropropane  
Concen: 21.47 ug/l m  
RT: 11.244 min Scan# 1666  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 75 Resp: 32840  
Ion Ratio Lower Upper  
75 100  
77 41.0 0.0 33.0#





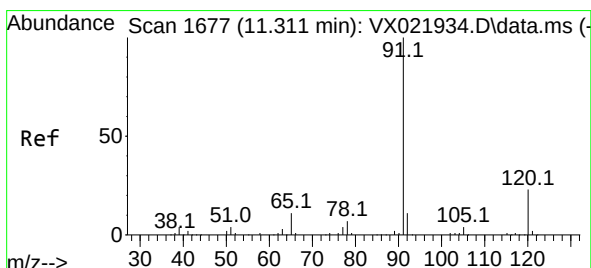
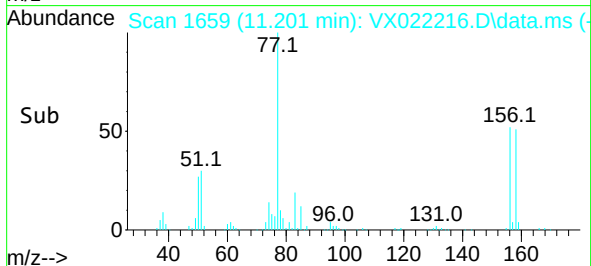
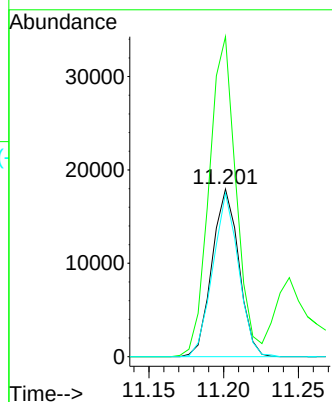
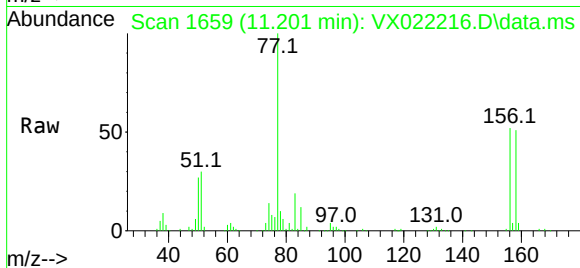
#73  
Bromobenzene  
Concen: 20.18 ug/l  
RT: 11.201 min Scan# 1659  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 156 Resp: 22379  
Ion Ratio Lower Upper  
156 100  
77 192.2 0.0 363.4  
158 93.8 0.0 193.4

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

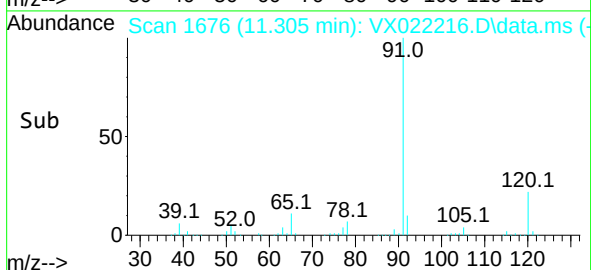
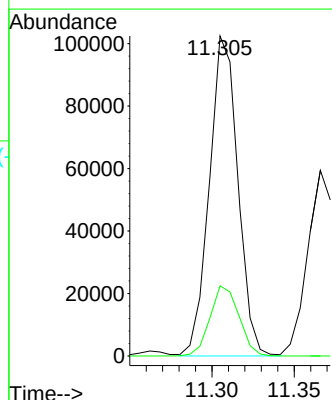
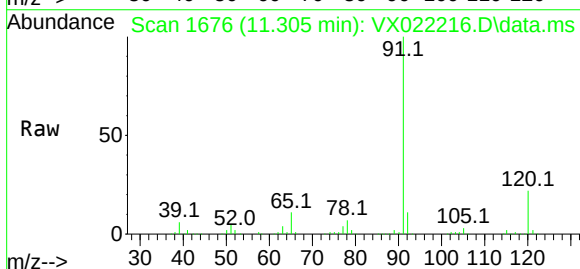
Manual Integrations  
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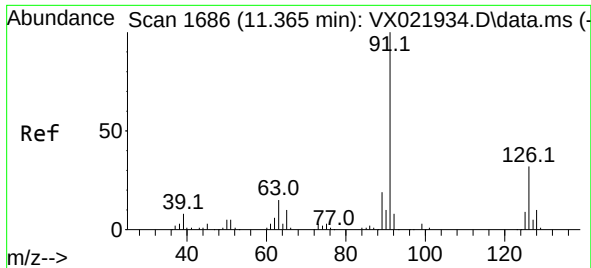


#74  
n-propylbenzene  
Concen: 20.27 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. -0.006 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 91 Resp: 123647  
Ion Ratio Lower Upper  
91 100  
120 22.1 0.0 44.2







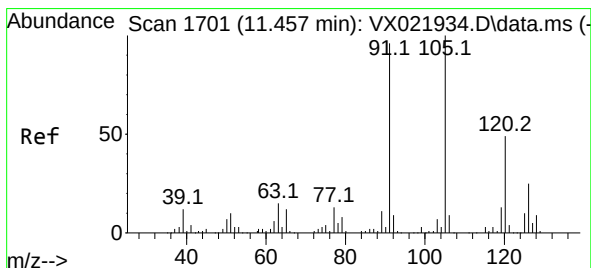
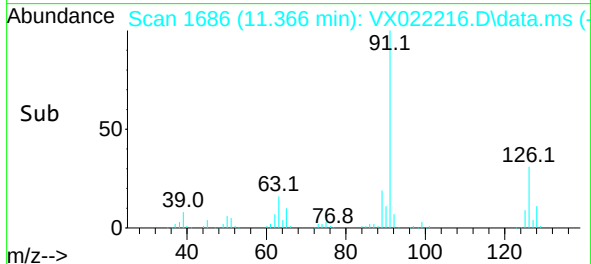
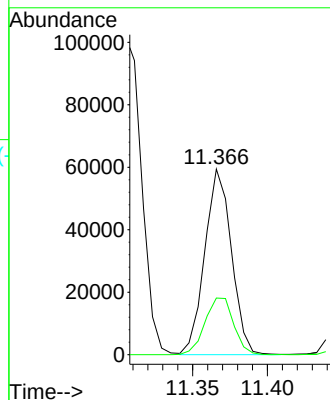
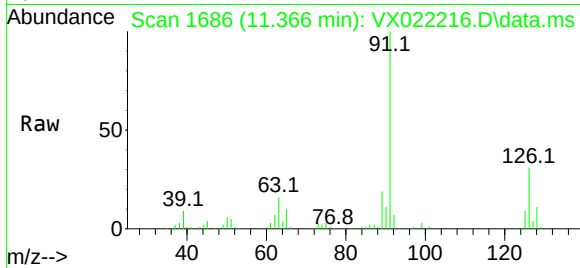
#75  
2-Chlorotoluene  
Concen: 20.44 ug/l  
RT: 11.366 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 91 Resp: 73871  
Ion Ratio Lower Upper  
91 100  
126 32.8 0.0 63.8

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

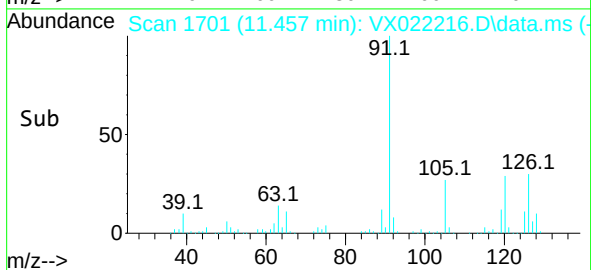
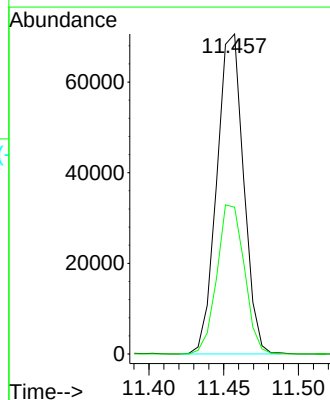
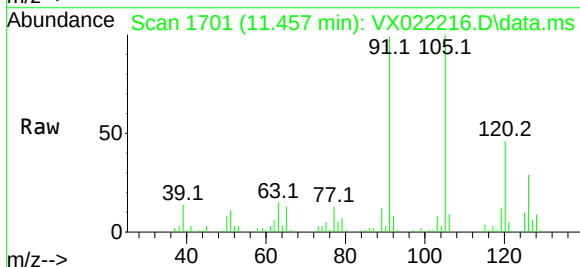
Manual Integrations  
APPROVED

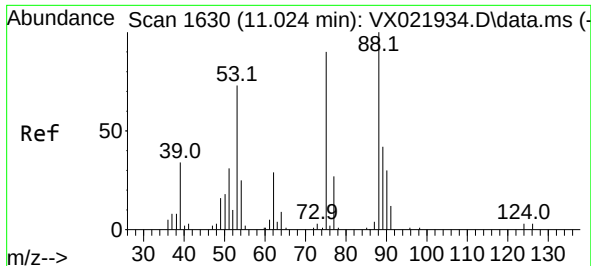
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#76  
1,3,5-Trimethylbenzene  
Concen: 20.15 ug/l  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 105 Resp: 88069  
Ion Ratio Lower Upper  
105 100  
120 47.6 0.0 96.2





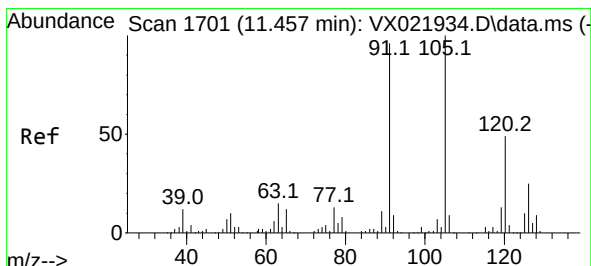
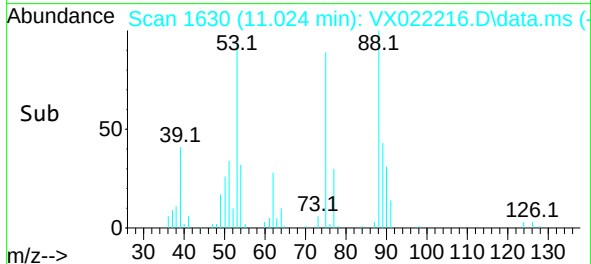
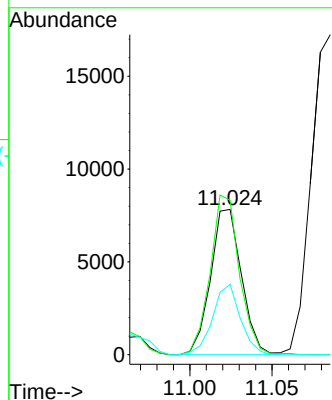
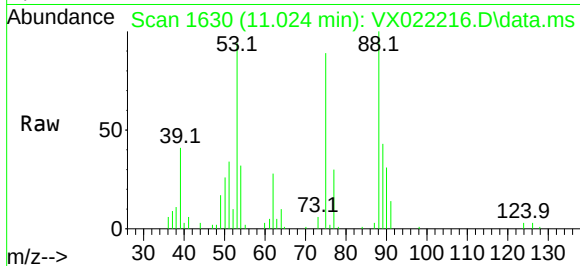
#77  
t-1,4-Dichloro-2-butene  
Concen: 16.55 ug/l  
RT: 11.024 min Scan# 1630  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 10261 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 106.3 | 40.2  | 120.6 |
| 89       | 48.5  | 23.4  | 70.0  |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

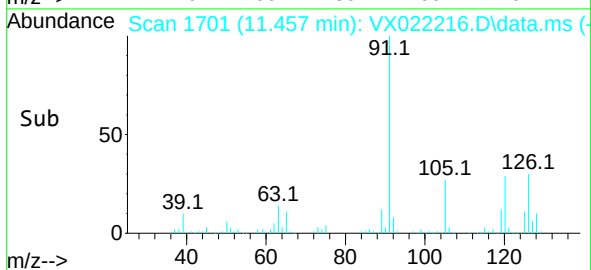
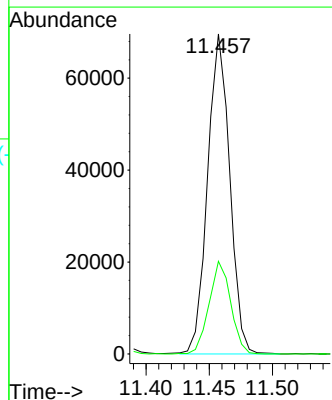
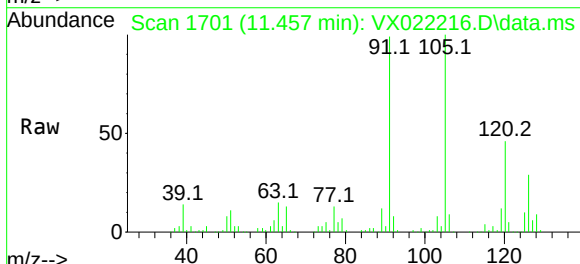
Manual Integrations  
APPROVED

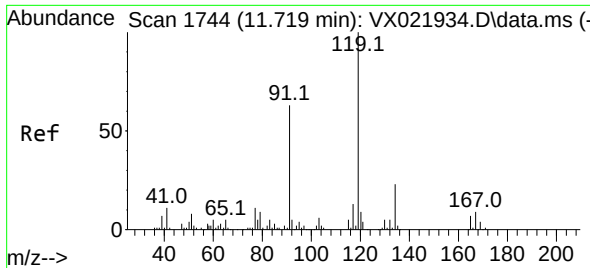
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#78  
4-Chlorotoluene  
Concen: 20.36 ug/l  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

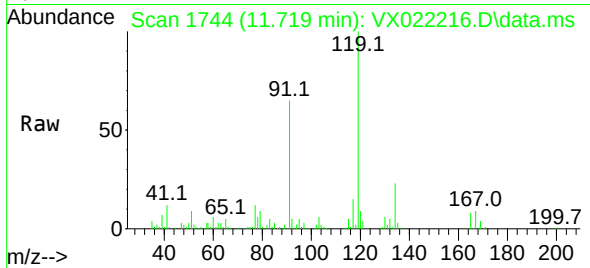
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 84678 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 126      | 28.3  | 0.0   | 55.8  |





#79  
tert-butylbenzene  
Concen: 19.77 ug/l  
RT: 11.719 min Scan# 1744  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

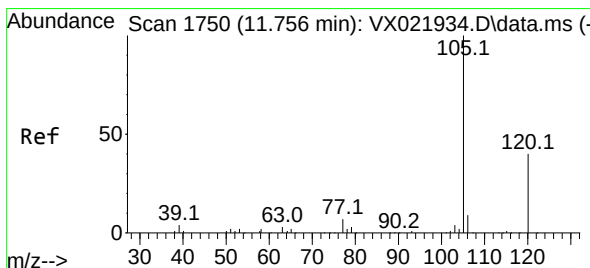
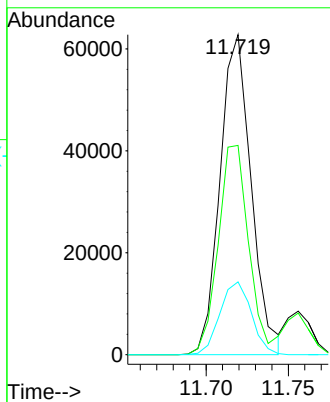
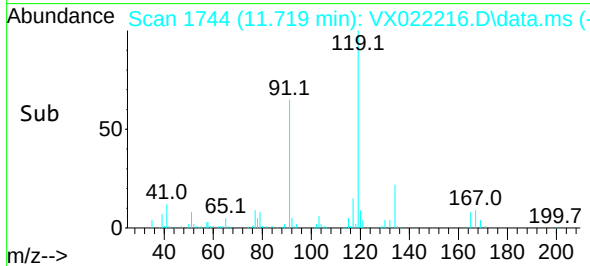
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020



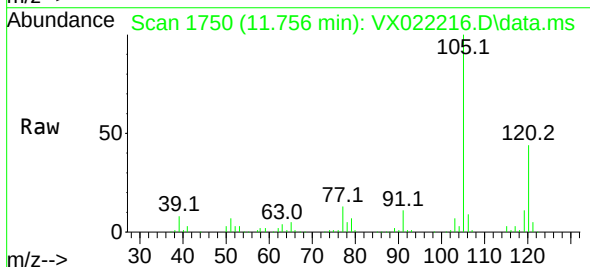
Tgt Ion:119 Resp: 82615  
Ion Ratio Lower Upper  
119 100  
91 63.6 0.0 123.0  
134 23.0 0.0 45.4

Manual Integrations  
APPROVED

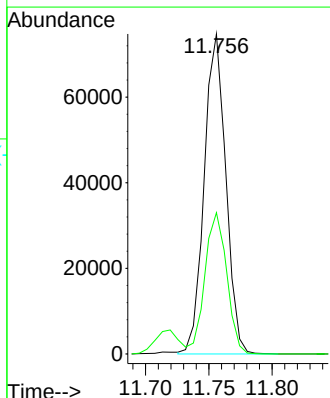
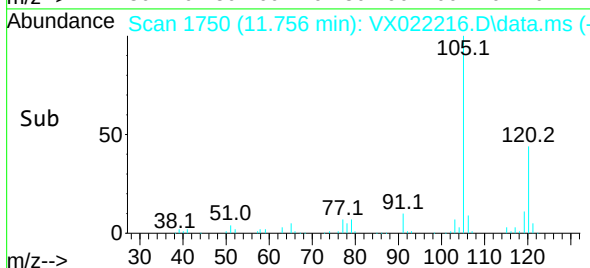
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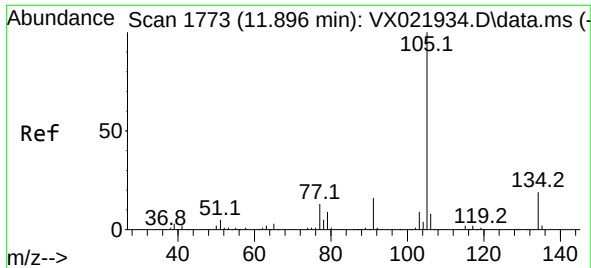


#80  
1,2,4-Trimethylbenzene  
Concen: 20.36 ug/l  
RT: 11.756 min Scan# 1750  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45



Tgt Ion:105 Resp: 88904  
Ion Ratio Lower Upper  
105 100  
120 44.6 0.0 91.4





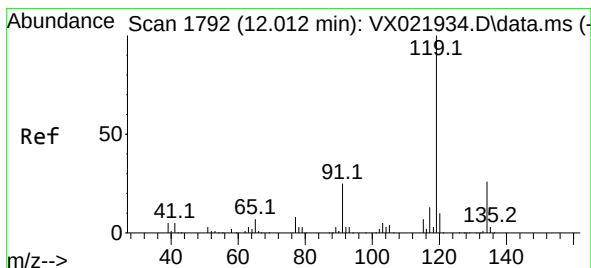
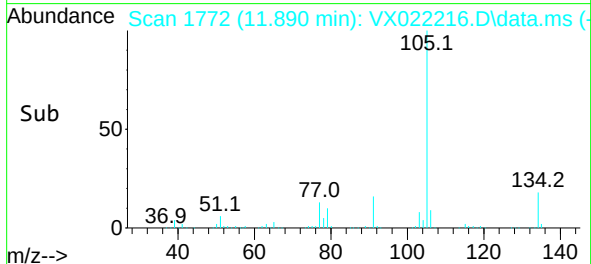
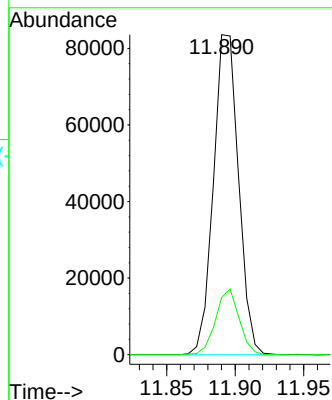
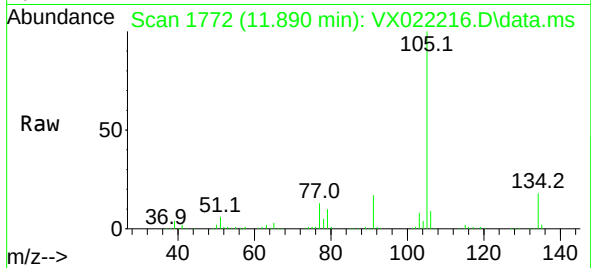
#81  
 sec-Butylbenzene  
 Concen: 20.25 ug/l  
 RT: 11.890 min Scan# 1772  
 Delta R.T. -0.006 min  
 Lab File: VX022216.D  
 Acq: 26 May 2021 23:45

Tgt Ion:105 Resp: 106375  
 Ion Ratio Lower Upper  
 105 100  
 134 19.2 0.0 38.8

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020

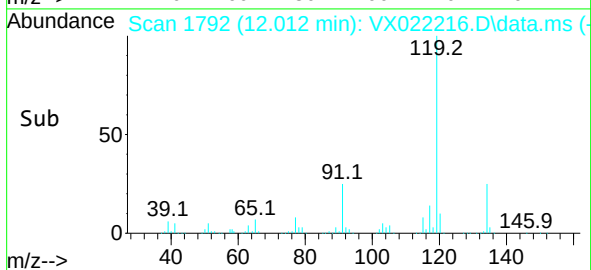
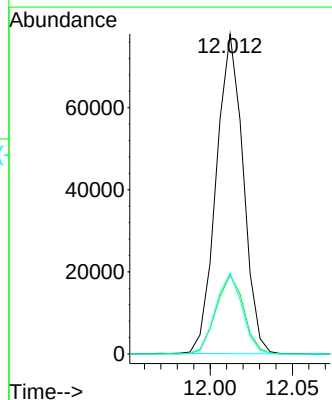
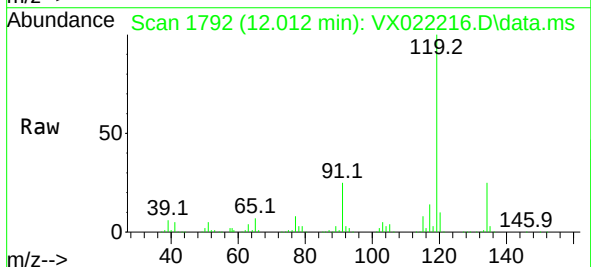
Manual Integrations  
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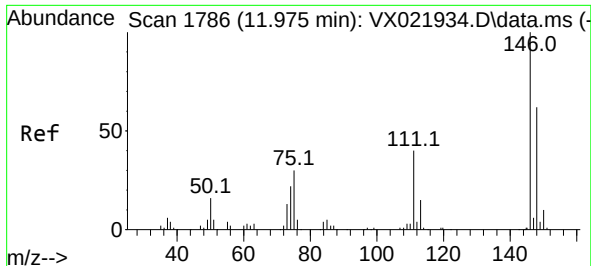
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#82  
 p-Isopropyltoluene  
 Concen: 20.14 ug/l  
 RT: 12.012 min Scan# 1792  
 Delta R.T. 0.000 min  
 Lab File: VX022216.D  
 Acq: 26 May 2021 23:45

Tgt Ion:119 Resp: 88706  
 Ion Ratio Lower Upper  
 119 100  
 134 25.4 0.0 50.4  
 91 25.1 0.0 51.0





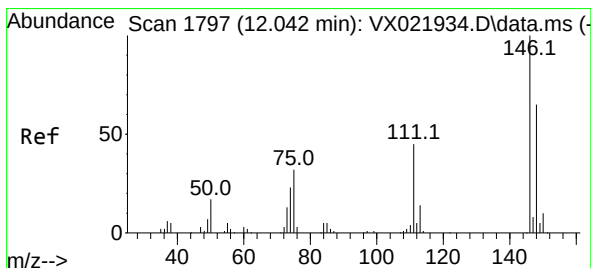
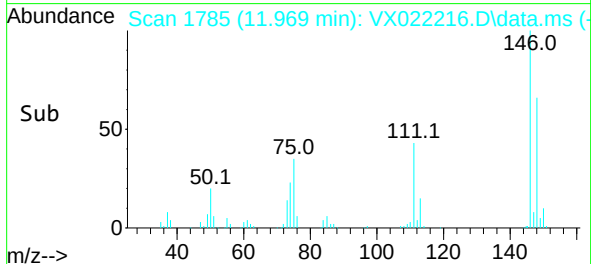
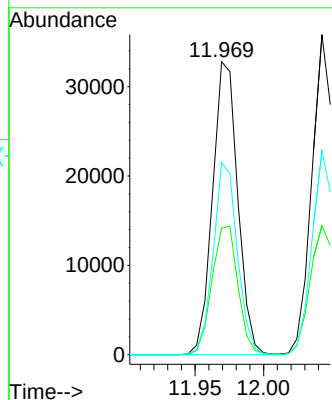
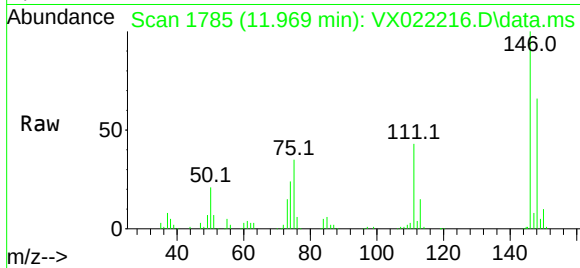
#83  
1,3-Dichlorobenzene  
Concen: 19.94 ug/l  
RT: 11.969 min Scan# 1785  
Delta R.T. -0.006 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 41916     |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 45.0  | 22.1 66.5 |
| 148         | 62.9  | 31.1 93.5 |

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDCCC020

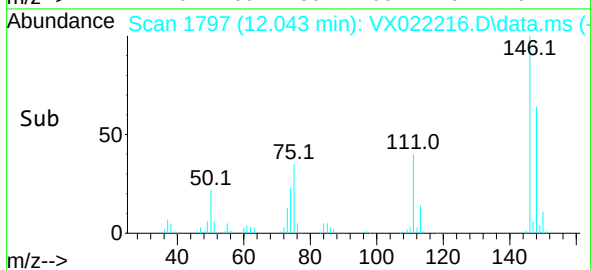
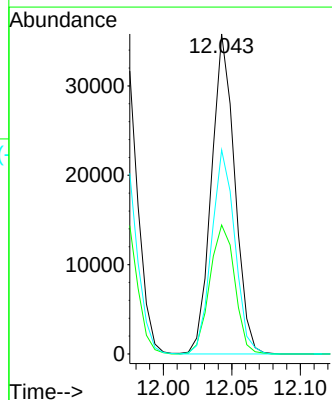
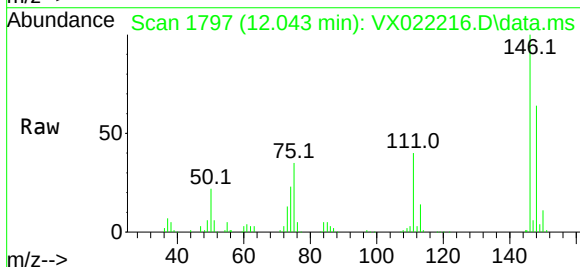
Manual Integrations  
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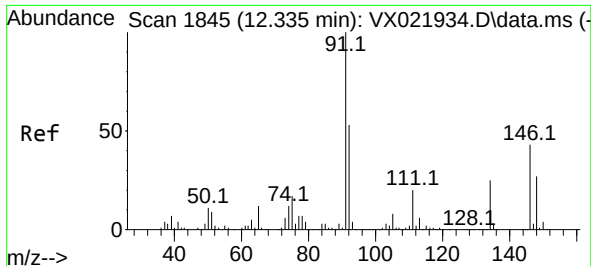
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#84  
1,4-Dichlorobenzene  
Concen: 20.05 ug/l  
RT: 12.043 min Scan# 1797  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 42275     |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 43.2  | 21.0 63.0 |
| 148         | 63.7  | 31.6 95.0 |





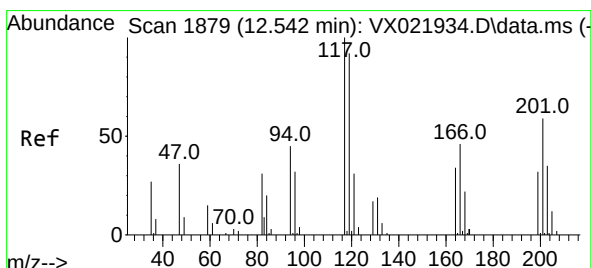
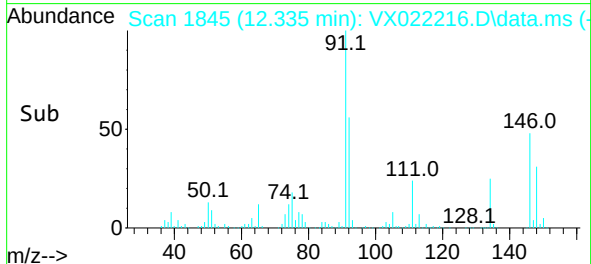
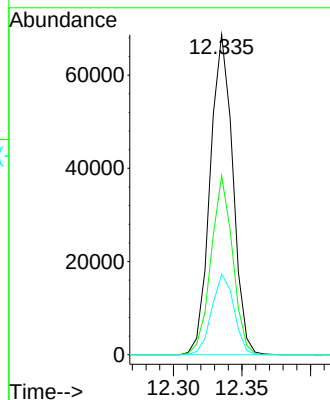
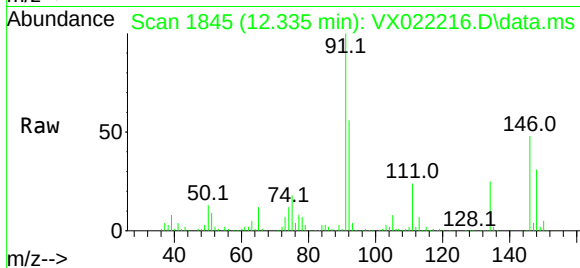
#85  
n-Butylbenzene  
Concen: 19.50 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 91 Resp: 78702  
Ion Ratio Lower Upper  
91 100  
92 53.3 0.0 111.0  
134 24.7 0.0 49.8

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

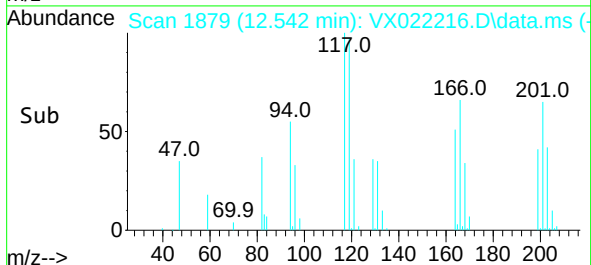
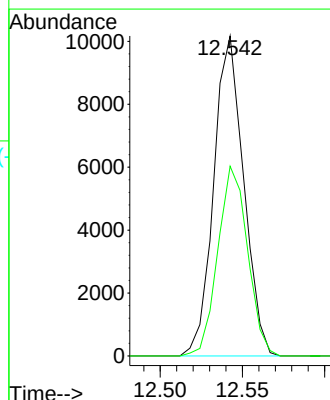
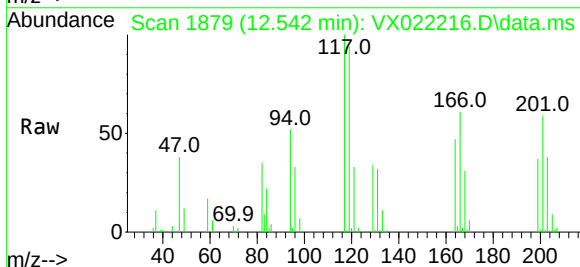
Manual Integrations  
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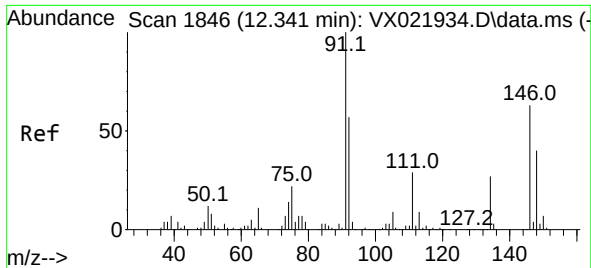
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#86  
Hexachloroethane  
Concen: 17.58 ug/l  
RT: 12.542 min Scan# 1879  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 117 Resp: 12869  
Ion Ratio Lower Upper  
117 100  
201 59.0 30.9 92.8





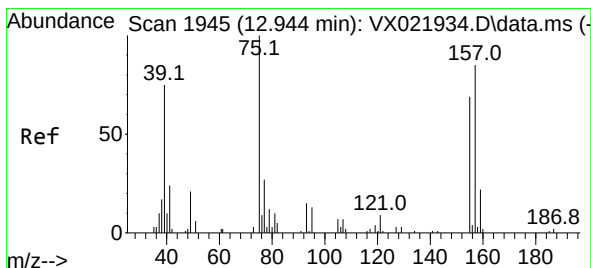
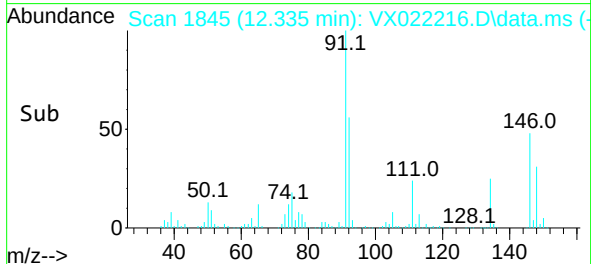
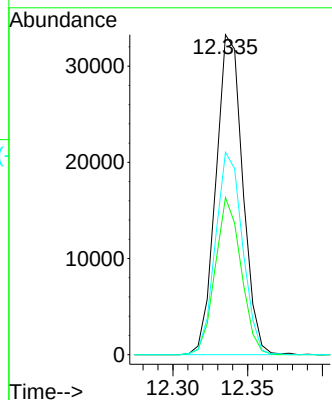
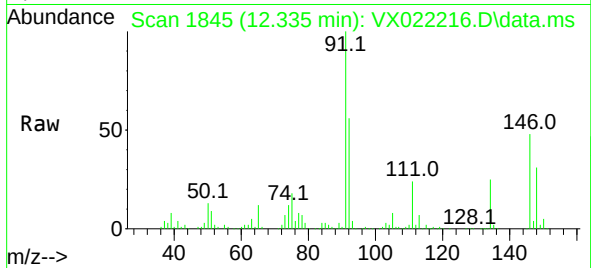
#87  
1,2-Dichlorobenzene  
Concen: 20.40 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. -0.006 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion:146 Resp: 41528  
Ion Ratio Lower Upper  
146 100  
111 47.3 22.9 68.8  
148 63.6 31.9 95.9

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

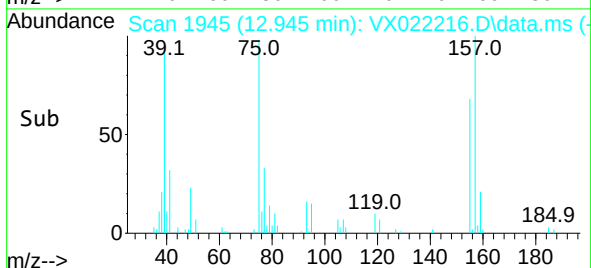
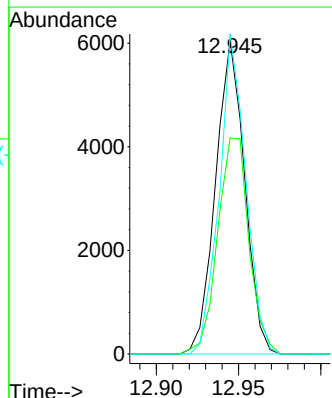
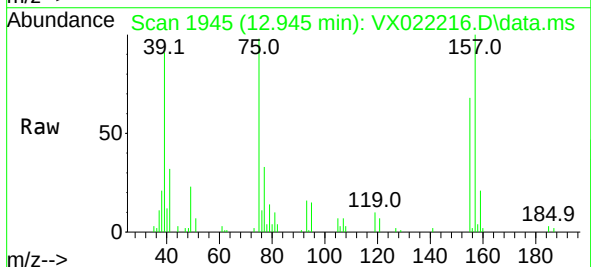
Manual Integrations  
APPROVED

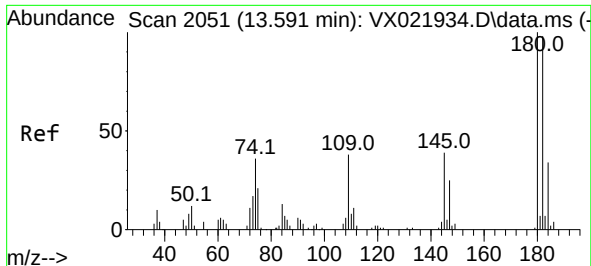
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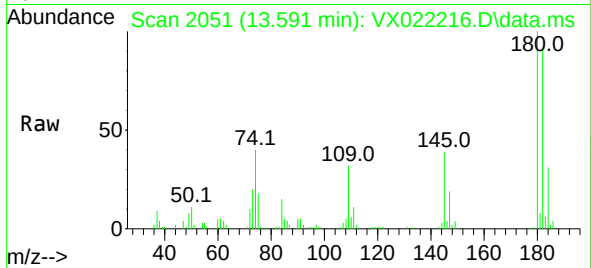
#88  
1,2-Dibromo-3-Chloropropane  
Concen: 19.37 ug/l  
RT: 12.945 min Scan# 1945  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45

Tgt Ion: 75 Resp: 7443  
Ion Ratio Lower Upper  
75 100  
155 74.2 64.6 97.0  
157 93.2 75.8 113.6

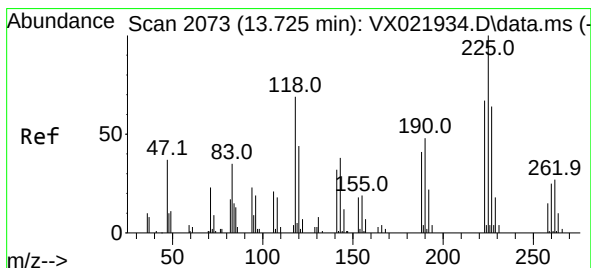
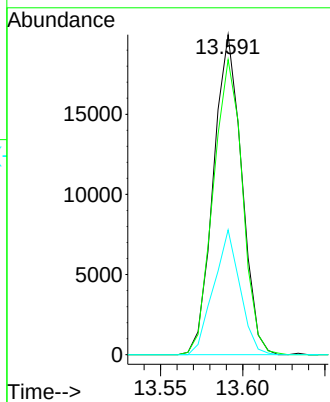
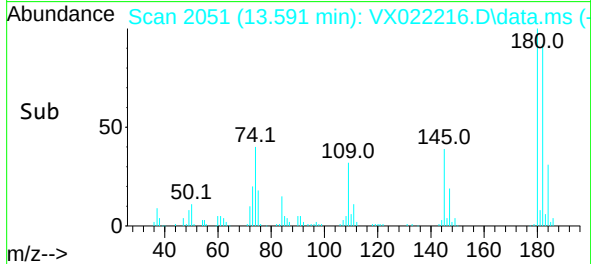




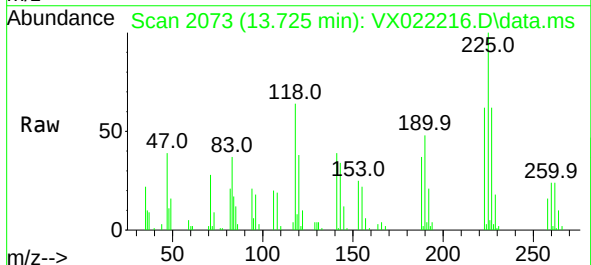
#89  
1,2,4-Trichlorobenzene  
Concen: 19.15 ug/l  
RT: 13.591 min Scan# 2051  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45



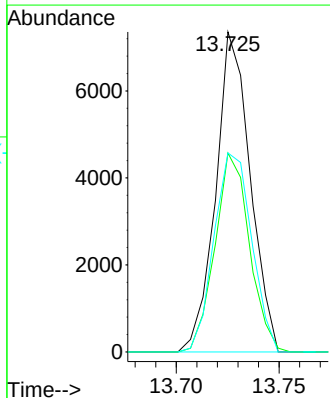
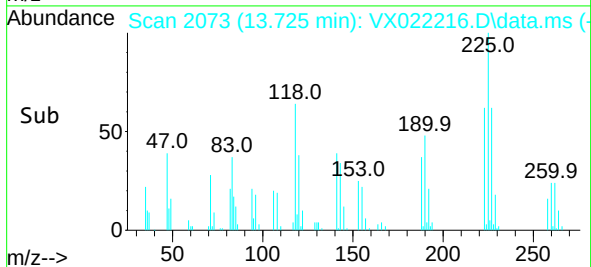
Tgt Ion:180 Resp: 23883  
Ion Ratio Lower Upper  
180 100  
182 94.9 77.8 116.6  
145 36.4 30.0 45.0



#90  
Hexachlorobutadiene  
Concen: 17.75 ug/l  
RT: 13.725 min Scan# 2073  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45



Tgt Ion:225 Resp: 8564  
Ion Ratio Lower Upper  
225 100  
223 62.3 0.0 128.0  
227 68.0 0.0 129.6

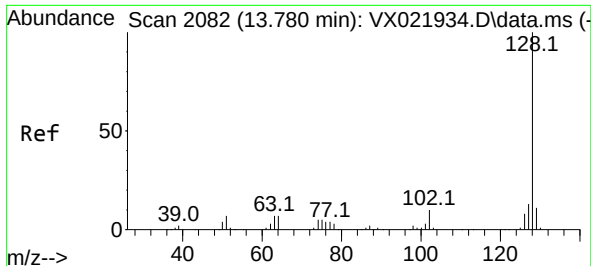


Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

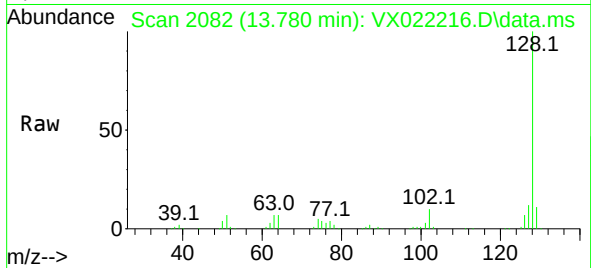
Manual Integrations  
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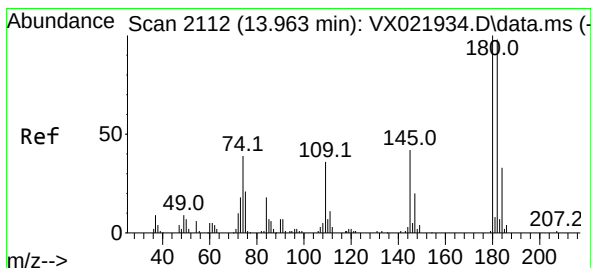
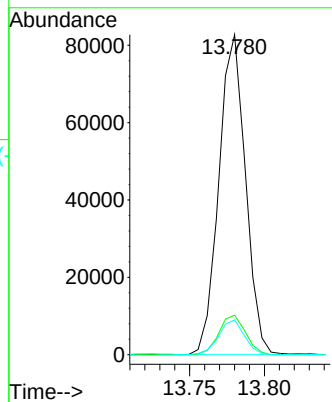
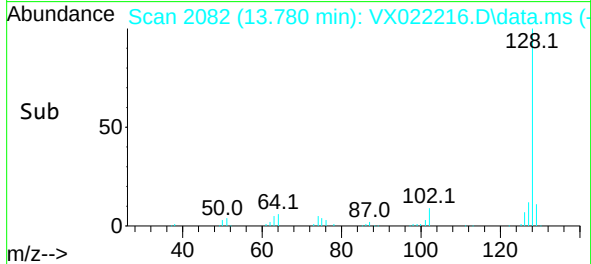




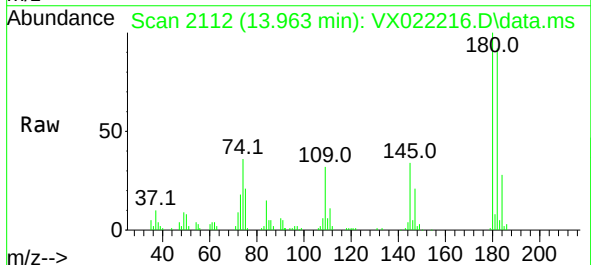
#91  
Naphthalene  
Concen: 20.95 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45



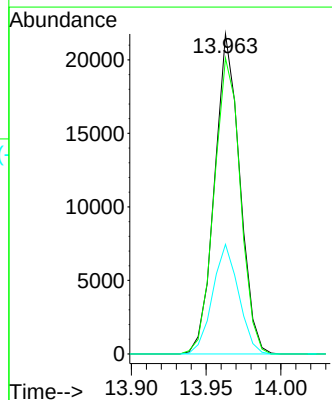
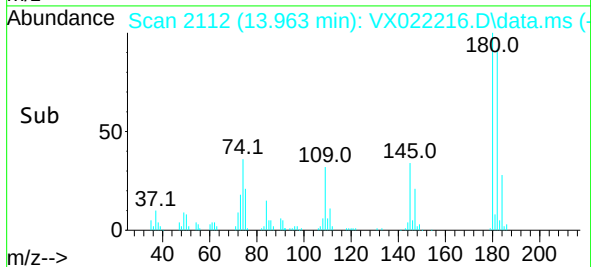
Tgt Ion:128 Resp: 102483  
Ion Ratio Lower Upper  
128 100  
127 12.3 10.4 15.6  
129 10.5 9.2 13.8



#92  
1,2,3-Trichlorobenzene  
Concen: 20.60 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. 0.000 min  
Lab File: VX022216.D  
Acq: 26 May 2021 23:45



Tgt Ion:180 Resp: 25509  
Ion Ratio Lower Upper  
180 100  
182 96.0 0.0 192.6  
145 35.3 0.0 75.8



Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

Manual Integrations  
APPROVED

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