

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021323\  
 Data File : VD075319.D  
 Acq On : 13 Feb 2023 11:12  
 Operator : KP/SY  
 Sample : VD0213SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0213SBS01

Quant Time: Feb 14 01:14:52 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D020723S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 08 04:26:58 2023  
 Response via : Initial Calibration

| Compound                     | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                        |           |       |          |          |            |          |
| Internal Standards           |           |       |          |          |            |          |
| 1) Pentafluorobenzene        | 7.875     | 168   | 48352    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775     | 114   | 80441    | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.587    | 117   | 73919    | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.522    | 152   | 38271    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.234     | 65    | 28583    | 50.414   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 50 - 163 | Recovery | = 100.820% |          |
| 35) Dibromofluoromethane     | 7.804     | 113   | 28222    | 50.035   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 54 - 147 | Recovery | = 100.060% |          |
| 50) Toluene-d8               | 10.269    | 98    | 104095   | 48.663   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 49 - 140 | Recovery | = 97.320%  |          |
| 62) 4-Bromofluorobenzene     | 12.575    | 95    | 34503    | 48.917   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 25 - 144 | Recovery | = 97.840%  |          |
| Target Compounds             |           |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.928     | 85    | 9956     | 23.693   | ug/l       | 100      |
| 3) Chloromethane             | 2.146     | 50    | 15256    | 19.348   | ug/l       | 94       |
| 4) Vinyl Chloride            | 2.281     | 62    | 16881    | 20.985   | ug/l       | 97       |
| 5) Bromomethane              | 2.681     | 94    | 10369    | 20.146   | ug/l       | 95       |
| 6) Chloroethane              | 2.828     | 64    | 12261    | 22.094   | ug/l       | 97       |
| 7) Trichlorofluoromethane    | 3.169     | 101   | 21115    | 21.111   | ug/l       | 100      |
| 8) Diethyl Ether             | 3.599     | 74    | 5289     | 19.671   | ug/l       | 91       |
| 9) 1,1,2-Trichlorotrifluo... | 3.958     | 101   | 12359    | 21.775   | ug/l       | 97       |
| 10) Methyl Iodide            | 4.158     | 142   | 13306    | 20.911   | ug/l       | 90       |
| 11) Tert butyl alcohol       | 5.057     | 59    | 2983     | 81.291   | ug/l #     | 89       |
| 12) 1,1-Dichloroethene       | 3.940     | 96    | 11546    | 21.335   | ug/l       | 97       |
| 13) Acrolein                 | 3.793     | 56    | 2290     | 107.265  | ug/l #     | 79       |
| 14) Allyl chloride           | 4.563     | 41    | 18209    | 20.223   | ug/l       | 91       |
| 15) Acrylonitrile            | 5.257     | 53    | 13483    | 103.345  | ug/l       | 97       |
| 16) Acetone                  | 4.022     | 43    | 14147    | 94.365   | ug/l       | 99       |
| 17) Carbon Disulfide         | 4.269     | 76    | 33865    | 20.283   | ug/l       | 98       |
| 18) Methyl Acetate           | 4.557     | 43    | 8342     | 19.168   | ug/l       | 96       |
| 19) Methyl tert-butyl Ether  | 5.310     | 73    | 25569    | 20.579   | ug/l       | 97       |
| 20) Methylene Chloride       | 4.793     | 84    | 15003    | 20.151   | ug/l       | 92       |
| 21) trans-1,2-Dichloroethene | 5.322     | 96    | 12962    | 21.166   | ug/l #     | 86       |
| 22) Diisopropyl ether        | 6.216     | 45    | 37954    | 21.192   | ug/l       | 98       |
| 23) Vinyl Acetate            | 6.157     | 43    | 63886m   | 116.150  | ug/l       |          |
| 24) 1,1-Dichloroethane       | 6.122     | 63    | 24088    | 21.573   | ug/l       | 98       |
| 25) 2-Butanone               | 7.081     | 43    | 18633    | 100.307  | ug/l       | 96       |
| 26) 2,2-Dichloropropane      | 7.069     | 77    | 20462    | 20.703   | ug/l       | 97       |
| 27) cis-1,2-Dichloroethene   | 7.081     | 96    | 13850    | 20.215   | ug/l       | 91       |
| 28) Bromochloromethane       | 7.428     | 49    | 7223     | 23.851   | ug/l #     | 87       |
| 29) Tetrahydrofuran          | 7.446     | 42    | 10116    | 101.131  | ug/l       | 91       |
| 30) Chloroform               | 7.593     | 83    | 24891    | 21.658   | ug/l       | 98       |
| 31) Cyclohexane              | 7.881     | 56    | 19467    | 19.336   | ug/l       | 92       |
| 32) 1,1,1-Trichloroethane    | 7.798     | 97    | 22673    | 22.055   | ug/l       | 98       |
| 36) 1,1-Dichloropropene      | 8.010     | 75    | 17533    | 19.954   | ug/l       | 96       |
| 37) Ethyl Acetate            | 7.169     | 43    | 7499     | 19.569   | ug/l #     | 92       |
| 38) Carbon Tetrachloride     | 7.993     | 117   | 18584    | 22.825   | ug/l       | 94       |
| 39) Methylcyclohexane        | 9.275     | 83    | 19754    | 19.423   | ug/l       | 98       |
| 40) Benzene                  | 8.251     | 78    | 50201    | 20.329   | ug/l       | 96       |

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 ALS Vial : 5 Sample Multiplier: 1

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Quant Time: Feb 14 01:14:52 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D020723S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 08 04:26:58 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.410  | 41   | 4717     | 20.634  | ug/l # | 83       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 14695    | 20.554  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.357  | 43   | 14610    | 19.953  | ug/l   | 97       |
| 44) Trichloroethene           | 9.028  | 130  | 13944    | 20.484  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 13135    | 20.943  | ug/l   | 98       |
| 46) Dibromomethane            | 9.398  | 93   | 7000     | 20.141  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.581  | 83   | 18541    | 21.435  | ug/l   | 89       |
| 48) Methyl methacrylate       | 9.381  | 41   | 7369     | 21.191  | ug/l   | 90       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 1170     | 364.852 | ug/l # | 86       |
| 51) 4-Methyl-2-Pentanone      | 10.163 | 43   | 36328    | 98.136  | ug/l   | 97       |
| 52) Toluene                   | 10.334 | 92   | 32842    | 21.114  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.557 | 75   | 14192    | 18.942  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 17117    | 19.108  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 9647     | 21.744  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.604 | 69   | 10077    | 19.537  | ug/l # | 92       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 16308    | 21.577  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.875  | 63   | 7152     | 61.554  | ug/l   | 96       |
| 59) 2-Hexanone                | 10.922 | 43   | 26333    | 97.368  | ug/l   | 94       |
| 60) Dibromochloromethane      | 11.081 | 129  | 11675    | 21.240  | ug/l   | 95       |
| 61) 1,2-Dibromoethane         | 11.187 | 107  | 8383     | 19.596  | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.810 | 164  | 11286    | 19.824  | ug/l   | 87       |
| 65) Chlorobenzene             | 11.610 | 112  | 34530    | 20.714  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 12997    | 21.415  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.687 | 91   | 60214    | 19.565  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.798 | 106  | 47336    | 40.434  | ug/l   | 96       |
| 69) o-Xylene                  | 12.128 | 106  | 21939    | 20.063  | ug/l   | 96       |
| 70) Styrene                   | 12.139 | 104  | 38154    | 20.597  | ug/l   | 99       |
| 71) Bromoform                 | 12.304 | 173  | 6598     | 20.239  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.428 | 105  | 60215    | 19.422  | ug/l   | 97       |
| 74) N-amyl acetate            | 12.234 | 43   | 13538    | 19.432  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 10719    | 19.872  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 8603m    | 19.791  | ug/l   |          |
| 77) Bromobenzene              | 12.704 | 156  | 13933    | 19.846  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.769 | 91   | 76297    | 19.777  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 41127    | 19.435  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.910 | 105  | 49888    | 19.325  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.475 | 75   | 1857     | 15.380  | ug/l   | 86       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 43597    | 19.750  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.175 | 119  | 44237    | 19.877  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 49948    | 19.372  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.351 | 105  | 68610    | 20.096  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 56009    | 20.054  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.463 | 146  | 29076    | 20.490  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 28567    | 20.119  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.792 | 91   | 53802    | 19.732  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.057 | 117  | 10838    | 19.684  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.839 | 146  | 25041    | 20.338  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 1500     | 17.929  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 15077    | 19.552  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.210 | 225  | 7935     | 19.504  | ug/l   | 93       |
| 95) Naphthalene               | 15.339 | 128  | 25447    | 17.730  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.528 | 180  | 13080    | 19.659  | ug/l   | 99       |

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ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId :  
VD0213SBS01

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D020723S.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 08 04:26:58 2023  
Response via : Initial Calibration

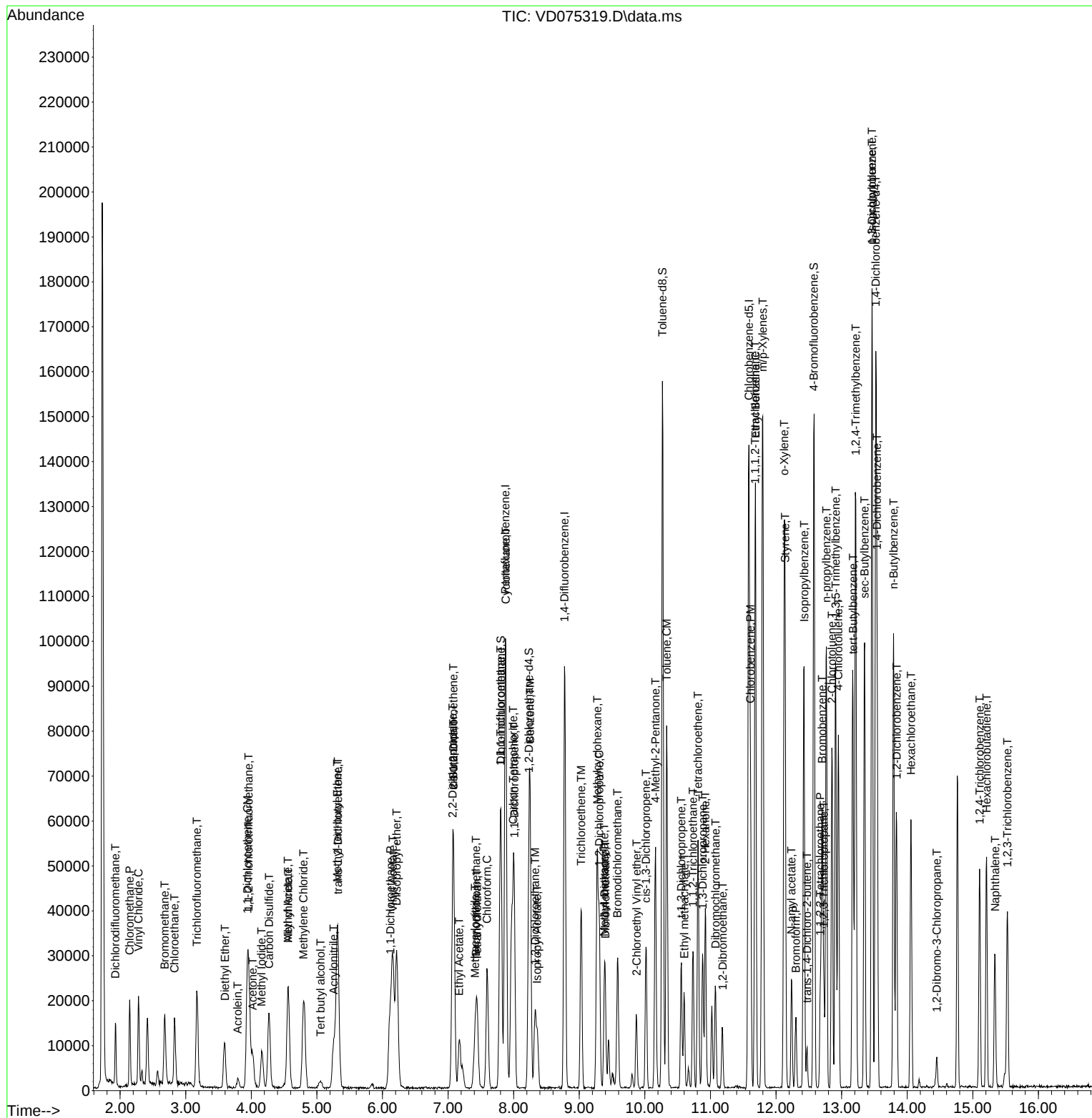
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

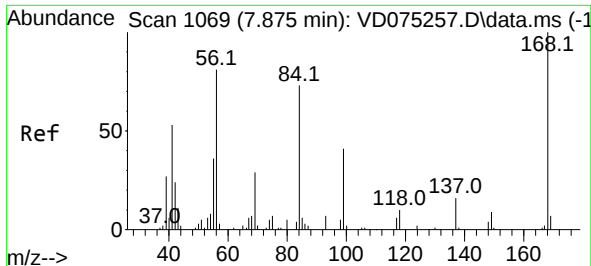
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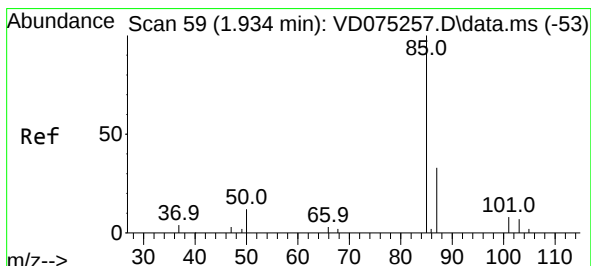
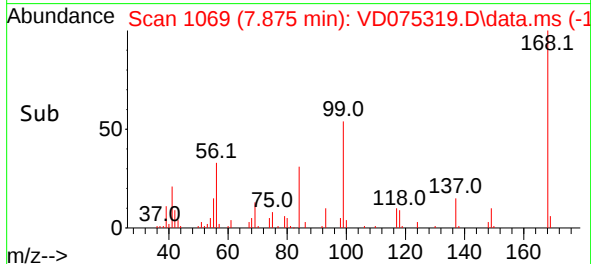
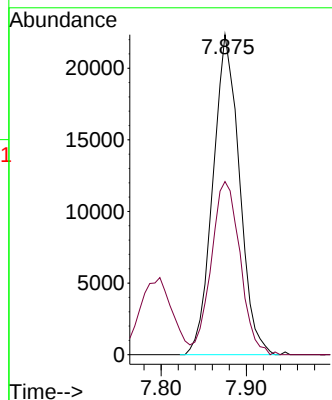
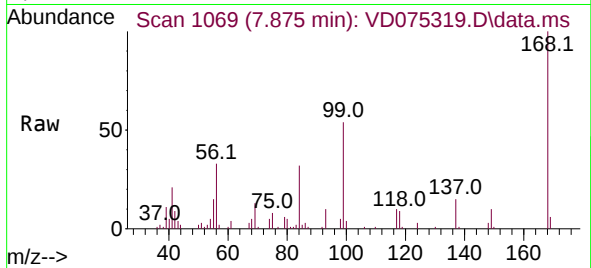




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

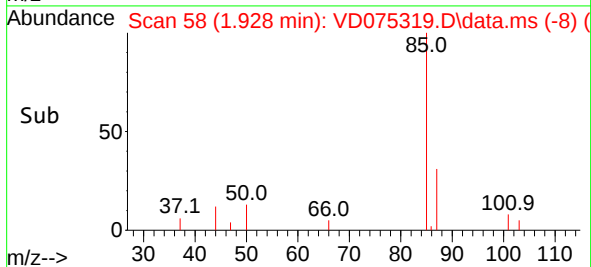
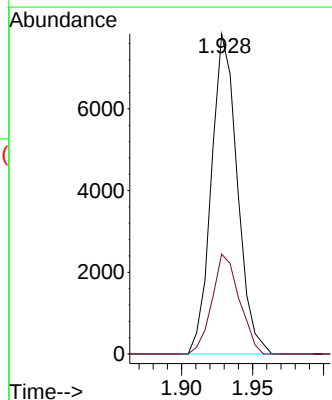
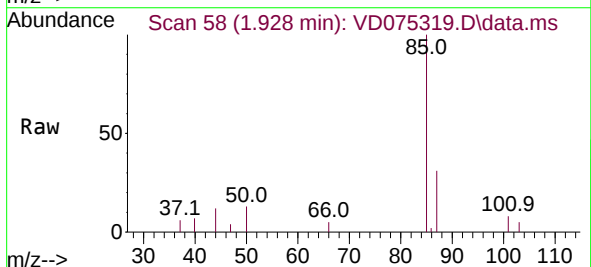
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0213SBS01

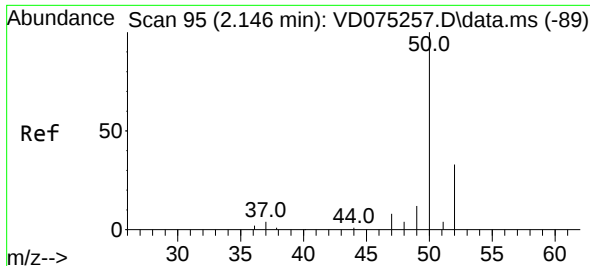
Tgt Ion:168 Resp: 48352  
Ion Ratio Lower Upper  
168 100  
99 54.1 45.2 67.8



#2  
Dichlorodifluoromethane  
Concen: 23.693 ug/l  
RT: 1.928 min Scan# 58  
Delta R.T. -0.006 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

Tgt Ion: 85 Resp: 9956  
Ion Ratio Lower Upper  
85 100  
87 31.2 15.7 47.0

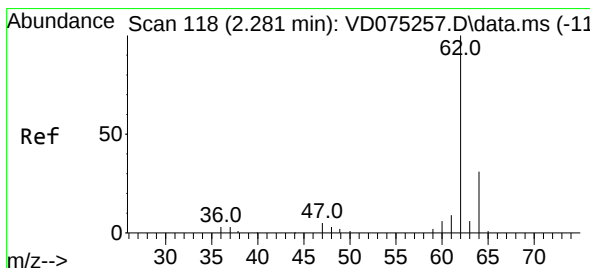
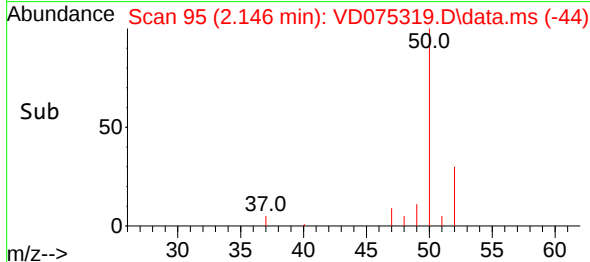
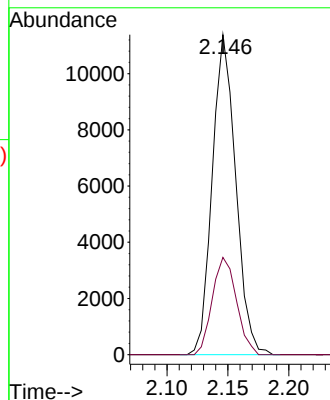
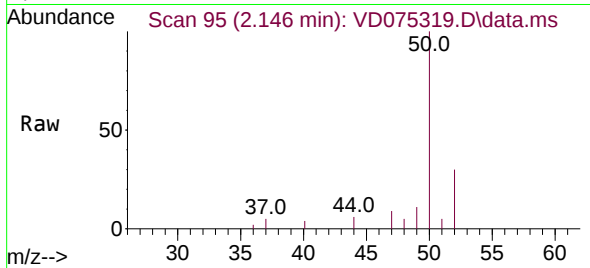




#3  
Chloromethane  
Concen: 19.348 ug/l  
RT: 2.146 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

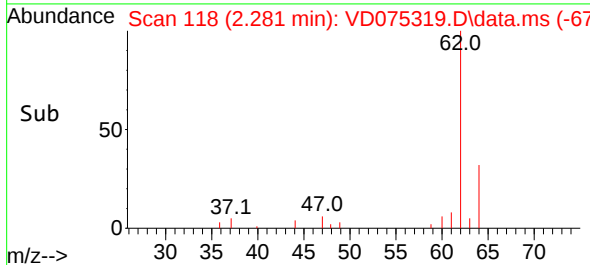
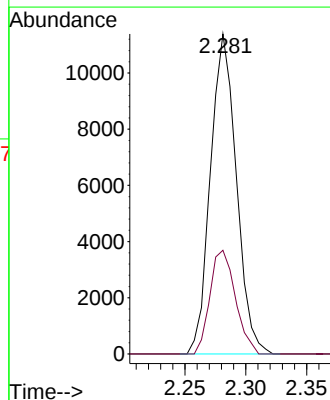
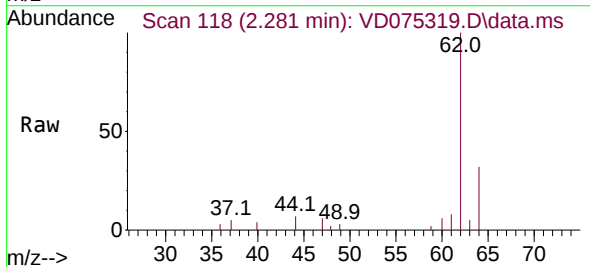
Instrument :  
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ClientSampleId :  
VD0213SBS01

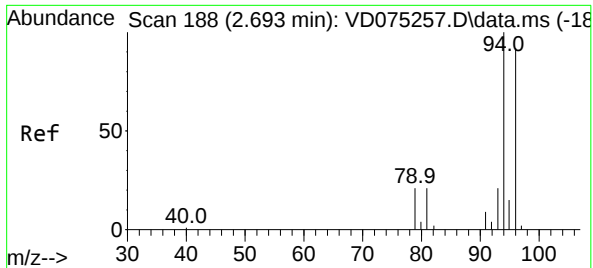
Tgt Ion: 50 Resp: 15256  
Ion Ratio Lower Upper  
50 100  
52 30.4 27.0 40.6



#4  
Vinyl Chloride  
Concen: 20.985 ug/l  
RT: 2.281 min Scan# 118  
Delta R.T. 0.000 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

Tgt Ion: 62 Resp: 16881  
Ion Ratio Lower Upper  
62 100  
64 32.4 24.8 37.2

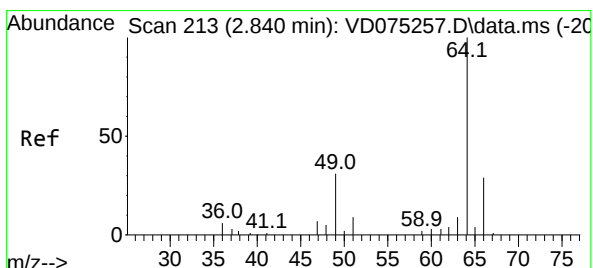
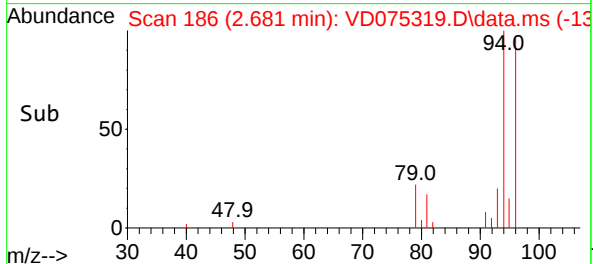
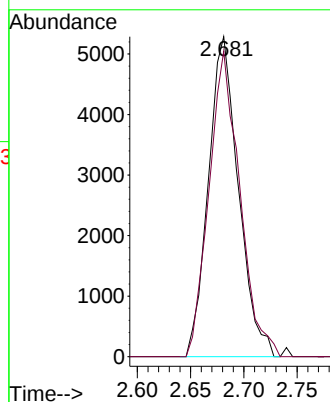
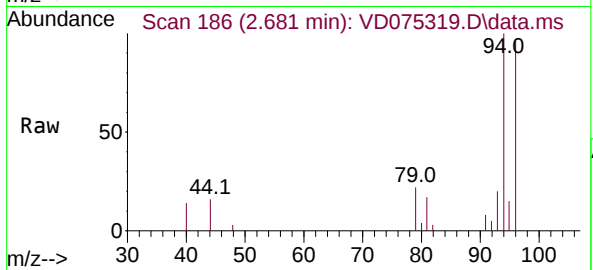




#5  
Bromomethane  
Concen: 20.146 ug/l  
RT: 2.681 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

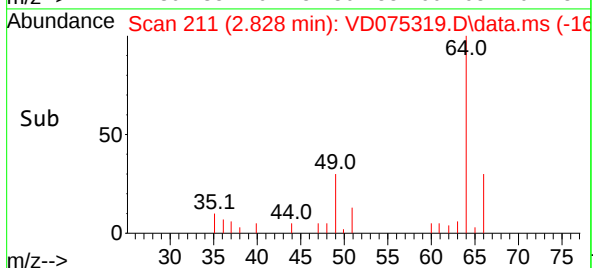
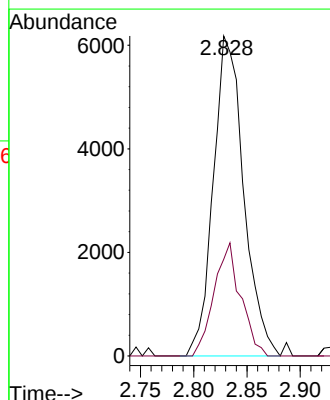
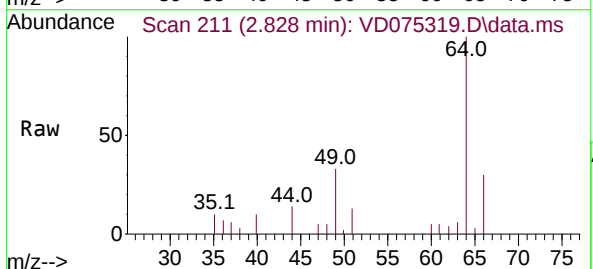
Instrument :  
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ClientSampleId :  
VD0213SBS01

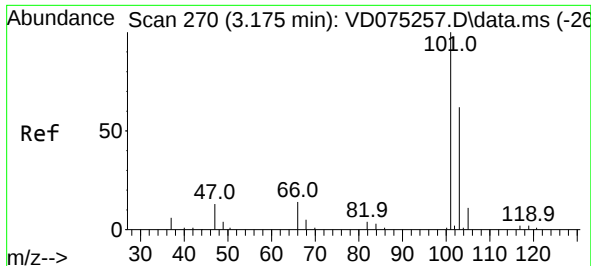
Tgt Ion: 94 Resp: 10369  
Ion Ratio Lower Upper  
94 100  
96 97.9 74.8 112.2



#6  
Chloroethane  
Concen: 22.094 ug/l  
RT: 2.828 min Scan# 211  
Delta R.T. -0.012 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

Tgt Ion: 64 Resp: 12261  
Ion Ratio Lower Upper  
64 100  
66 30.2 25.4 38.2

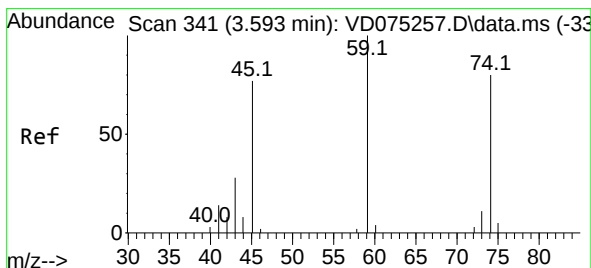
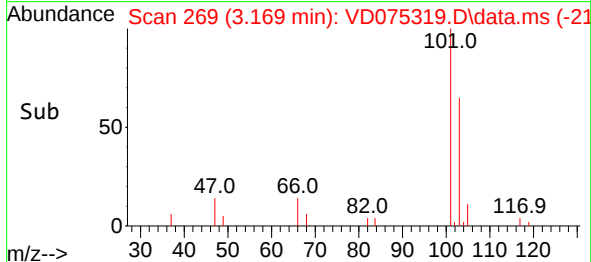
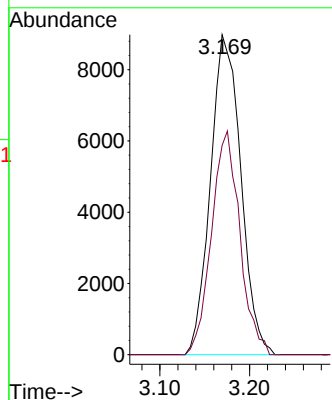
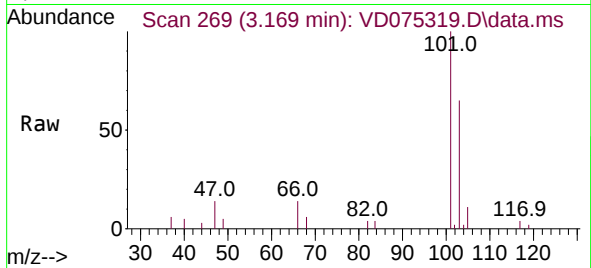




#7  
 Trichlorofluoromethane  
 Concen: 21.111 ug/l  
 RT: 3.169 min Scan# 211  
 Delta R.T. -0.006 min  
 Lab File: VD075319.D  
 Acq: 13 Feb 2023 11:12

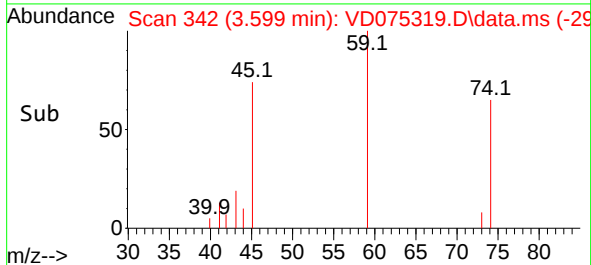
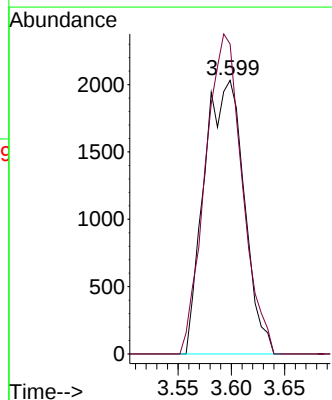
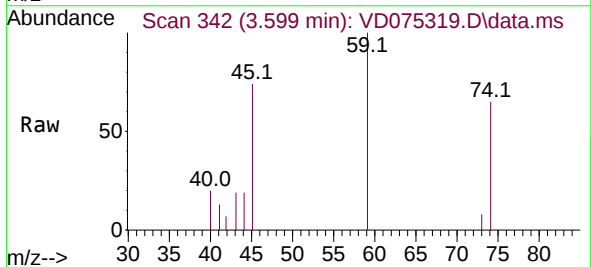
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0213SBS01

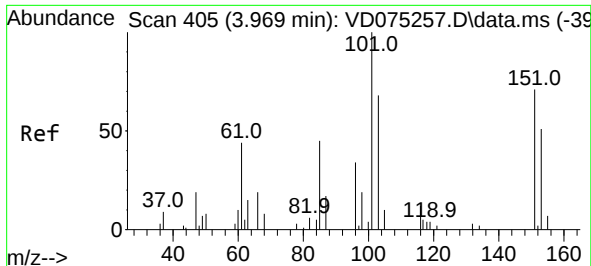
Tgt Ion:101 Resp: 21115  
 Ion Ratio Lower Upper  
 101 100  
 103 65.4 52.2 78.4



#8  
 Diethyl Ether  
 Concen: 19.671 ug/l  
 RT: 3.599 min Scan# 342  
 Delta R.T. 0.006 min  
 Lab File: VD075319.D  
 Acq: 13 Feb 2023 11:12

Tgt Ion: 74 Resp: 5289  
 Ion Ratio Lower Upper  
 74 100  
 45 108.2 49.8 149.3

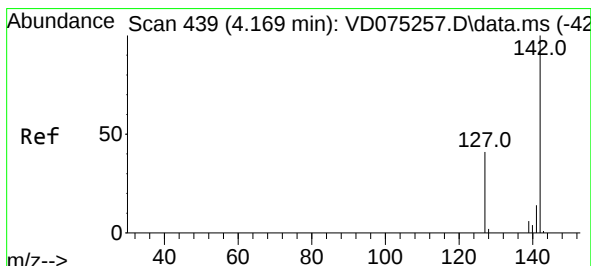
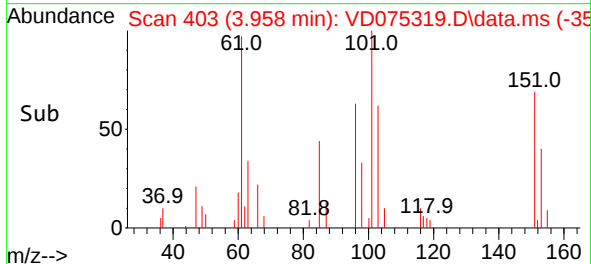
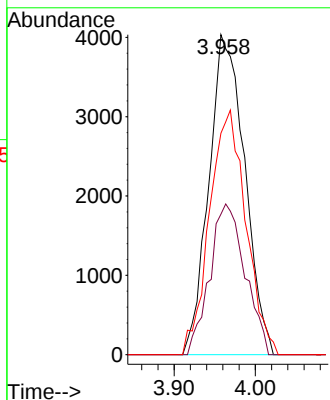
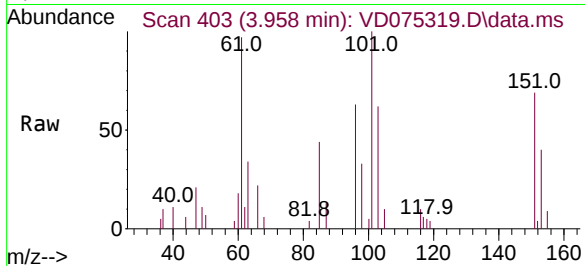




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 21.775 ug/l  
RT: 3.958 min Scan# 405  
Delta R.T. -0.011 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

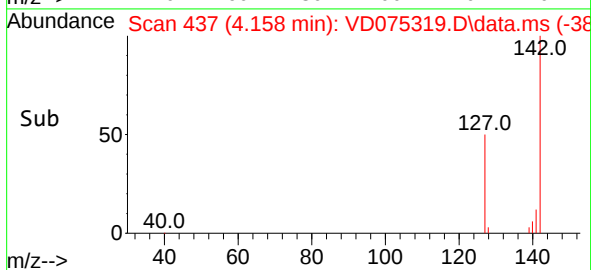
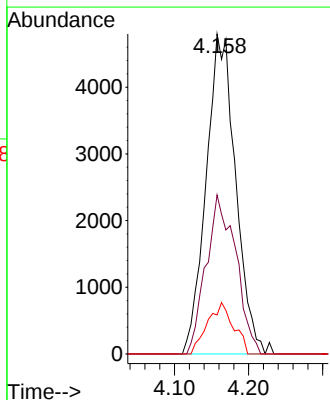
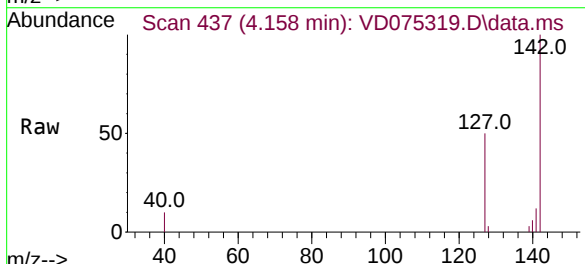
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0213SBS01

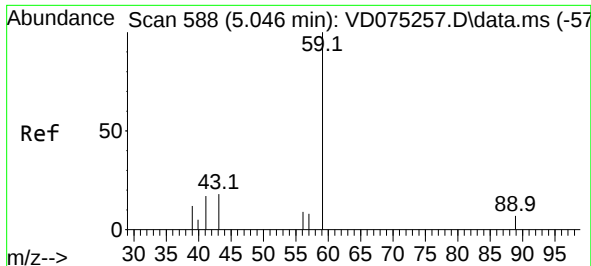
Tgt Ion:101 Resp: 12359  
Ion Ratio Lower Upper  
101 100  
85 46.6 36.9 55.3  
151 77.7 58.9 88.3



#10  
Methyl Iodide  
Concen: 20.911 ug/l  
RT: 4.158 min Scan# 437  
Delta R.T. -0.011 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

Tgt Ion:142 Resp: 13306  
Ion Ratio Lower Upper  
142 100  
127 50.0 33.6 50.4  
141 14.1 11.1 16.7

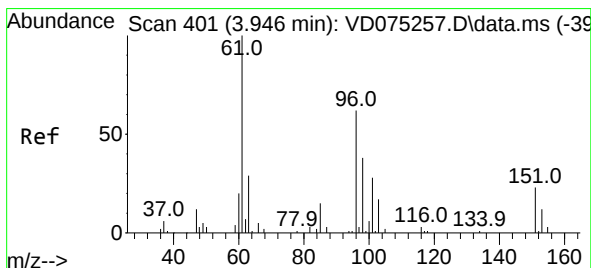
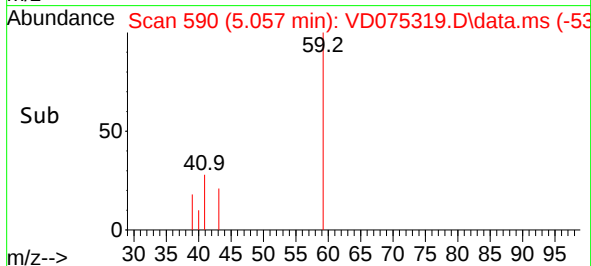
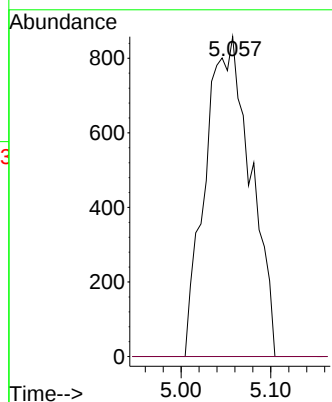
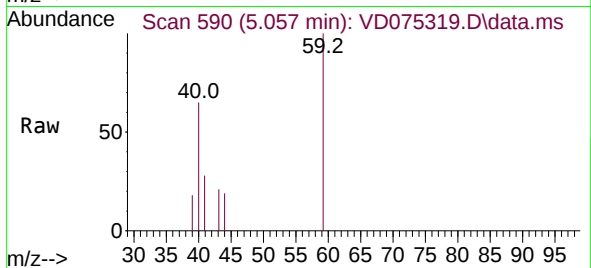




#11  
Tert butyl alcohol  
Concen: 81.291 ug/l  
RT: 5.057 min Scan# 51  
Delta R.T. 0.011 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

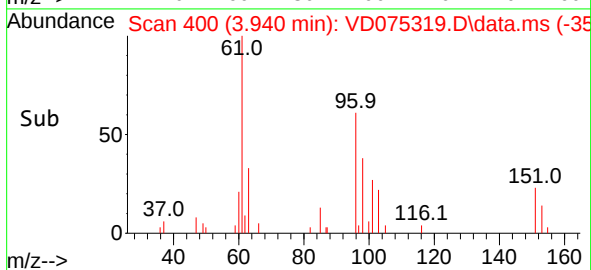
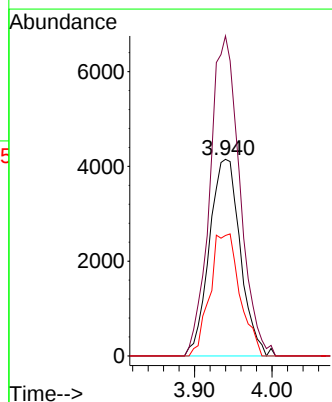
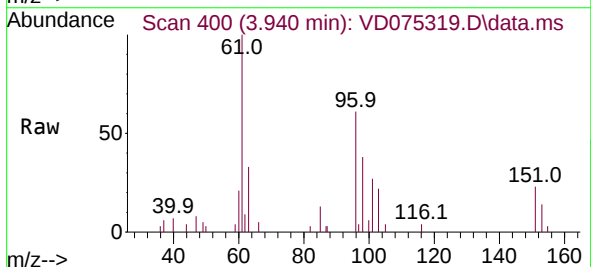
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0213SBS01

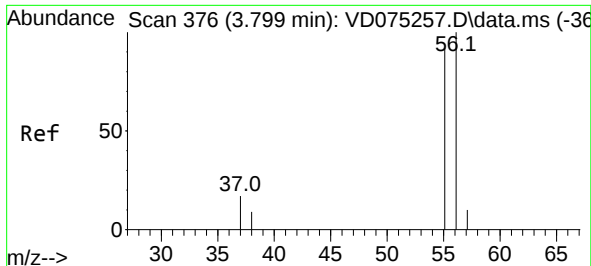
Tgt Ion: 59 Resp: 2983  
Ion Ratio Lower Upper  
59 100  
57 0.0 2.9 4.3#



#12  
1,1-Dichloroethene  
Concen: 21.335 ug/l  
RT: 3.940 min Scan# 400  
Delta R.T. -0.006 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

Tgt Ion: 96 Resp: 11546  
Ion Ratio Lower Upper  
96 100  
61 162.8 126.8 190.2  
98 61.3 50.4 75.6

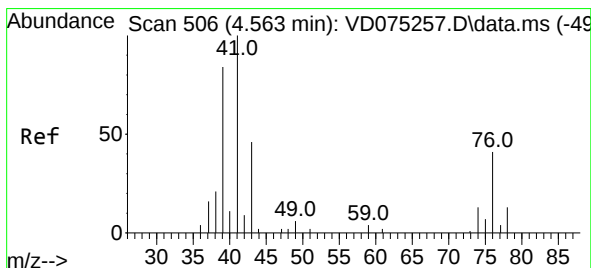
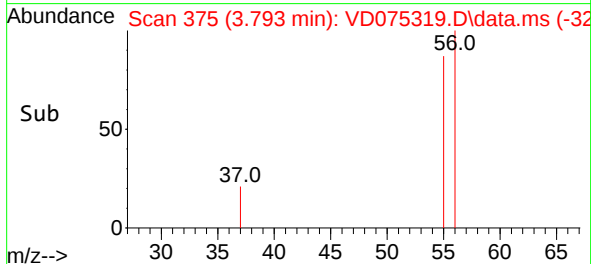
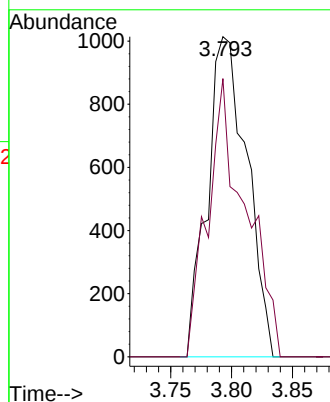
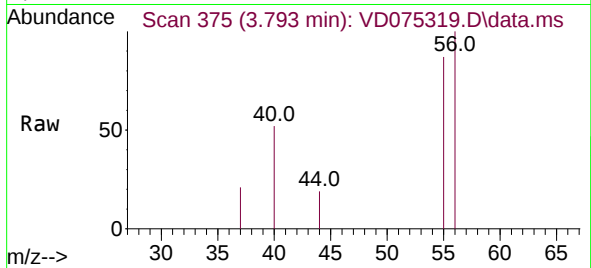




#13  
Acrolein  
Concen: 107.265 ug/l  
RT: 3.793 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

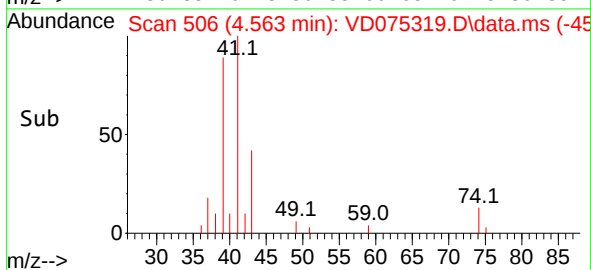
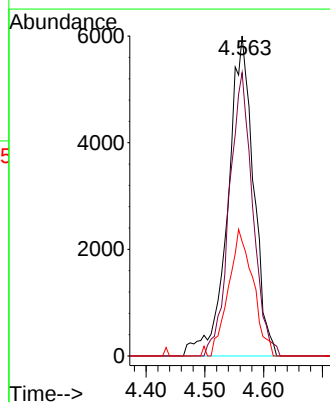
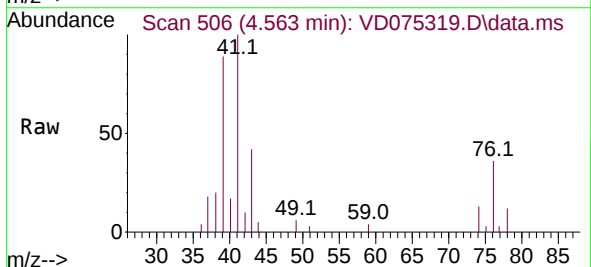
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0213SBS01

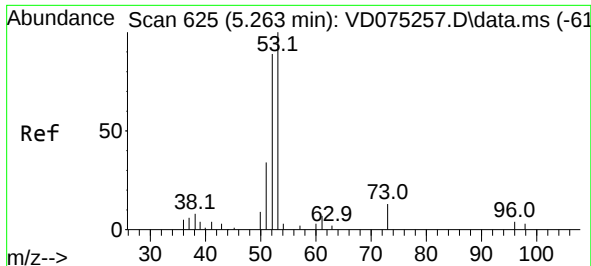
Tgt Ion: 56 Resp: 2290  
Ion Ratio Lower Upper  
56 100  
55 83.1 53.0 79.6#



#14  
Allyl chloride  
Concen: 20.223 ug/l  
RT: 4.563 min Scan# 506  
Delta R.T. 0.000 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

Tgt Ion: 41 Resp: 18209  
Ion Ratio Lower Upper  
41 100  
39 80.8 55.4 83.0  
76 37.7 30.2 45.2





#15

Acrylonitrile

Concen: 103.345 ug/l

RT: 5.257 min Scan# 61

Delta R.T. -0.006 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

Instrument :

MSVOA\_D

ClientSampleId :

VD0213SBS01

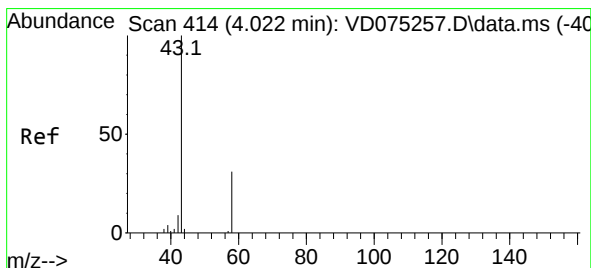
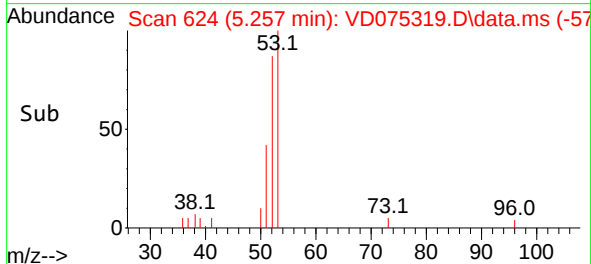
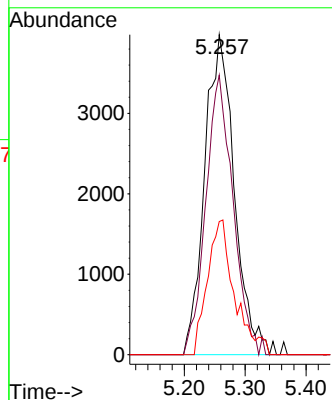
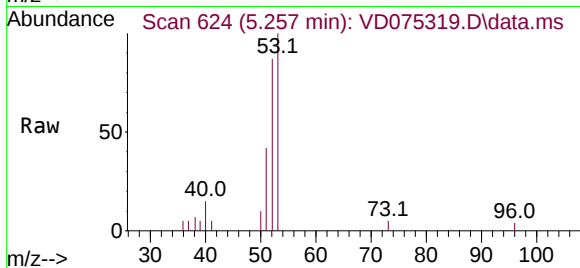
Tgt Ion: 53 Resp: 13483

Ion Ratio Lower Upper

53 100

52 80.4 67.0 100.6

51 36.9 30.1 45.1



#16

Acetone

Concen: 94.365 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD075319.D

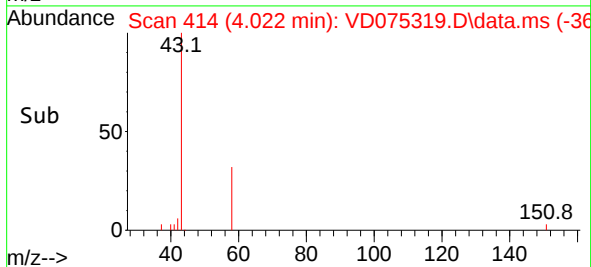
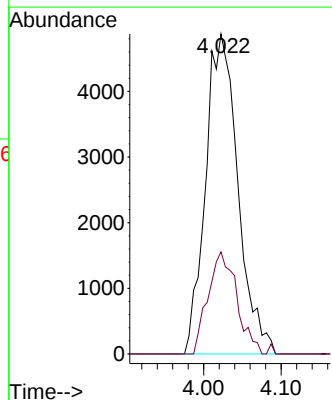
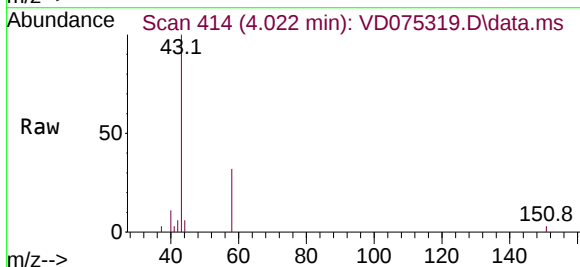
Acq: 13 Feb 2023 11:12

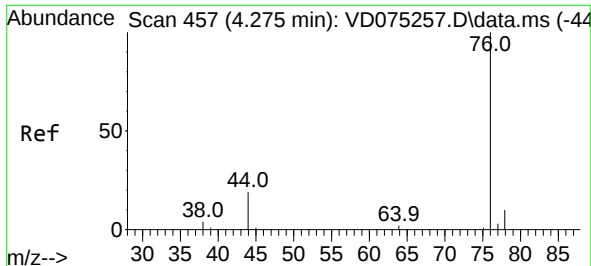
Tgt Ion: 43 Resp: 14147

Ion Ratio Lower Upper

43 100

58 31.9 26.0 39.0

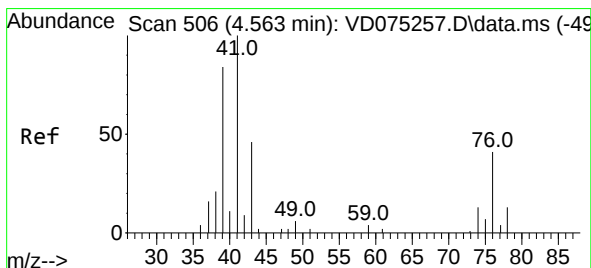
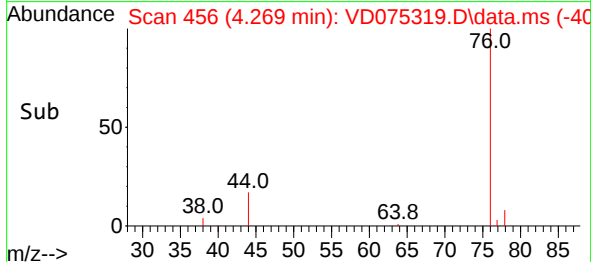
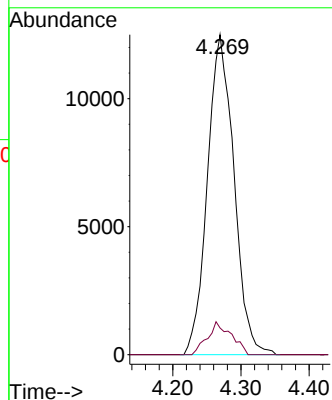
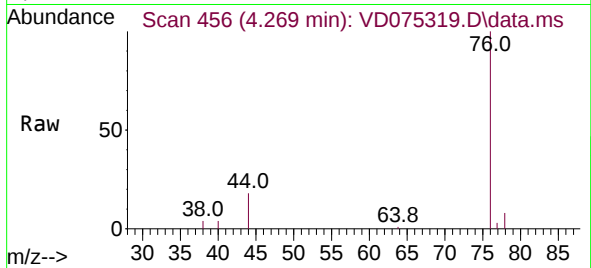




#17  
Carbon Disulfide  
Concen: 20.283 ug/l  
RT: 4.269 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

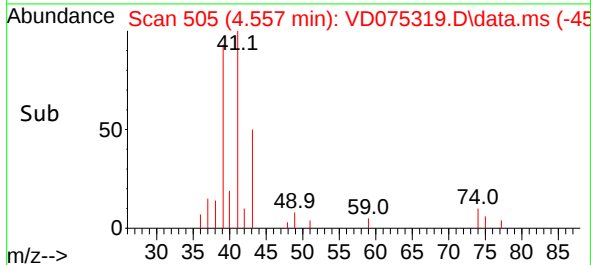
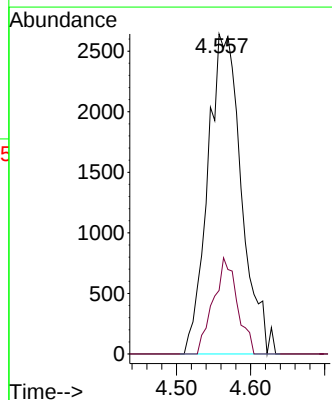
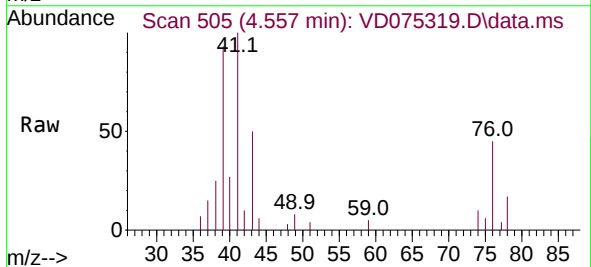
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0213SBS01

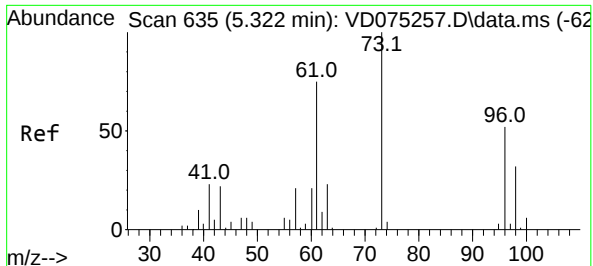
Tgt Ion: 76 Resp: 33865  
Ion Ratio Lower Upper  
76 100  
78 8.4 7.4 11.0



#18  
Methyl Acetate  
Concen: 19.168 ug/l  
RT: 4.557 min Scan# 505  
Delta R.T. -0.006 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

Tgt Ion: 43 Resp: 8342  
Ion Ratio Lower Upper  
43 100  
74 21.2 18.5 27.7

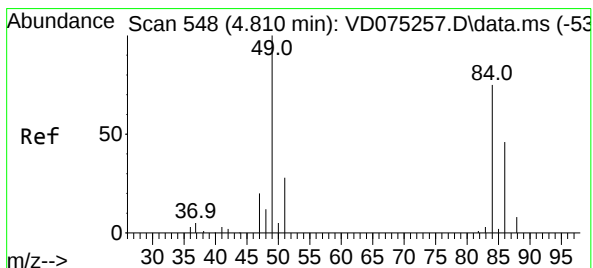
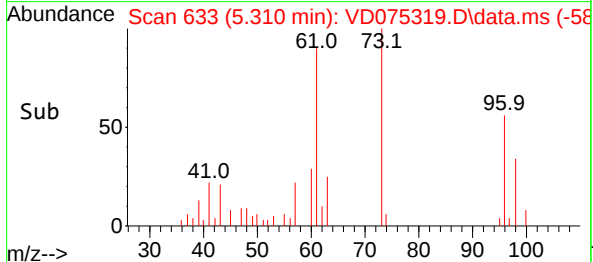
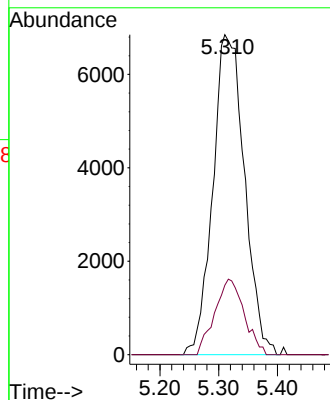
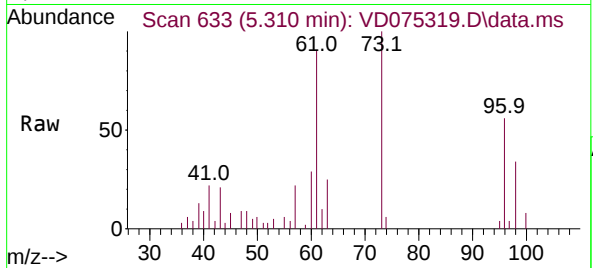




#19  
Methyl tert-butyl Ether  
Concen: 20.579 ug/l  
RT: 5.310 min Scan# 610  
Delta R.T. -0.012 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

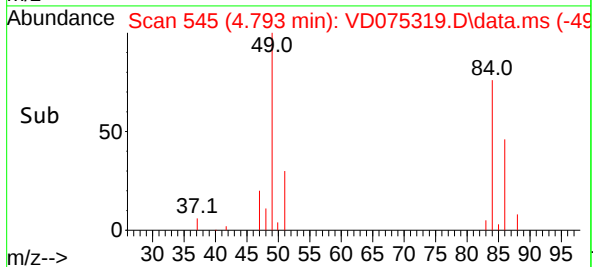
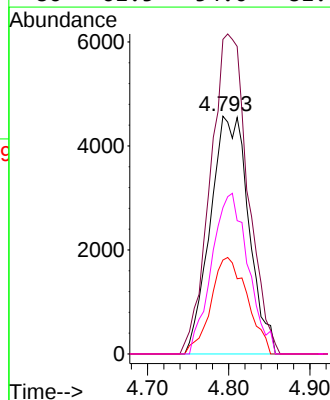
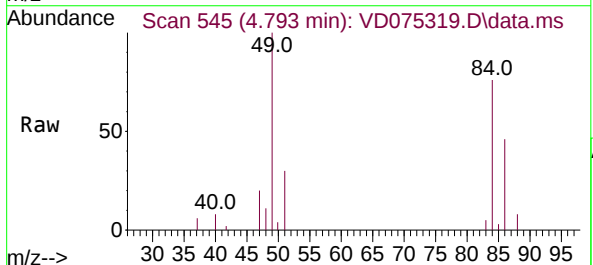
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0213SBS01

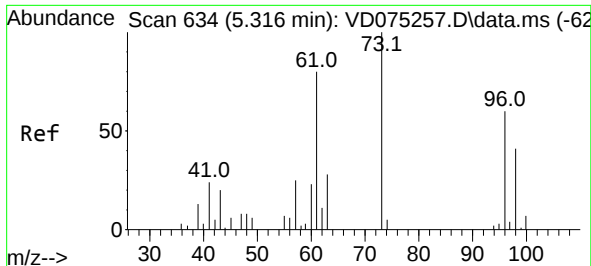
Tgt Ion: 73 Resp: 25569  
Ion Ratio Lower Upper  
73 100  
57 21.7 18.5 27.7



#20  
Methylene Chloride  
Concen: 20.151 ug/l  
RT: 4.793 min Scan# 545  
Delta R.T. -0.017 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

Tgt Ion: 84 Resp: 15003  
Ion Ratio Lower Upper  
84 100  
49 132.3 97.0 145.6  
51 39.5 30.9 46.3  
86 61.5 54.0 81.0

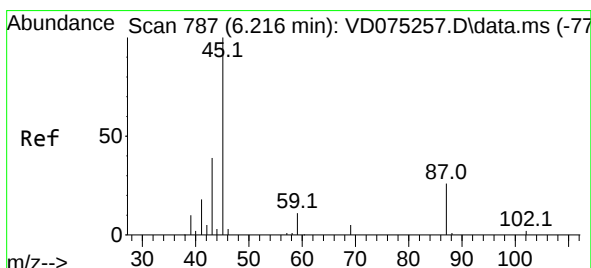
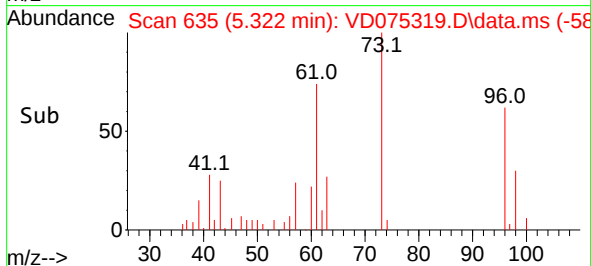
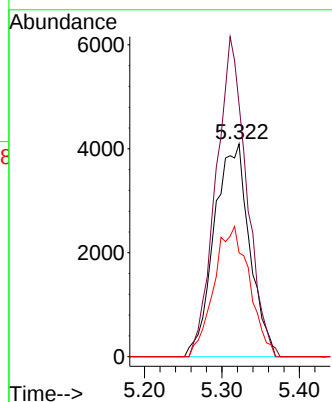
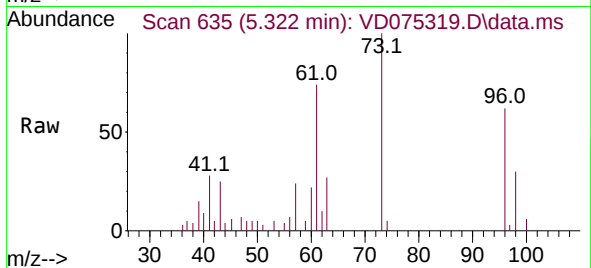




#21  
trans-1,2-Dichloroethene  
Concen: 21.166 ug/l  
RT: 5.322 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

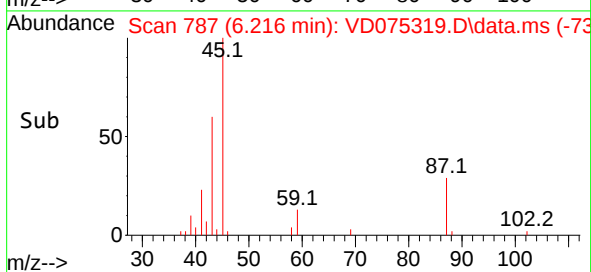
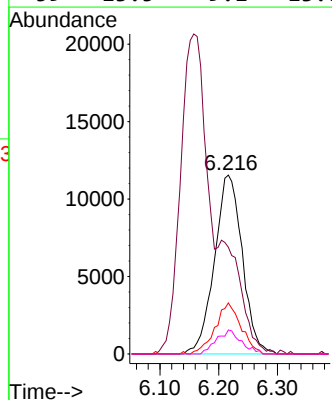
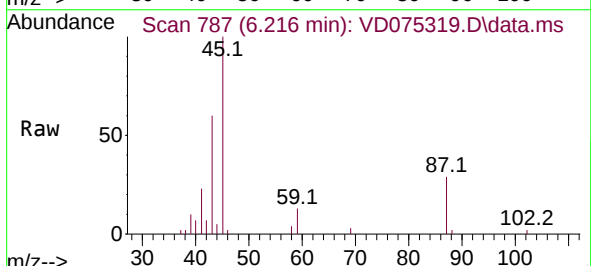
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0213SBS01

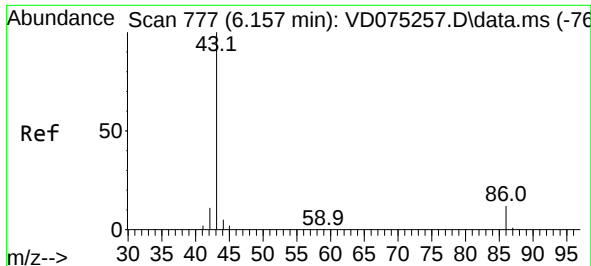
Tgt Ion: 96 Resp: 12962  
Ion Ratio Lower Upper  
96 100  
61 118.5 105.7 158.5  
98 48.8 50.4 75.6#



#22  
Diisopropyl ether  
Concen: 21.192 ug/l  
RT: 6.216 min Scan# 787  
Delta R.T. 0.000 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

Tgt Ion: 45 Resp: 37954  
Ion Ratio Lower Upper  
45 100  
43 57.5 45.3 67.9  
87 28.5 22.1 33.1  
59 13.5 9.1 13.7

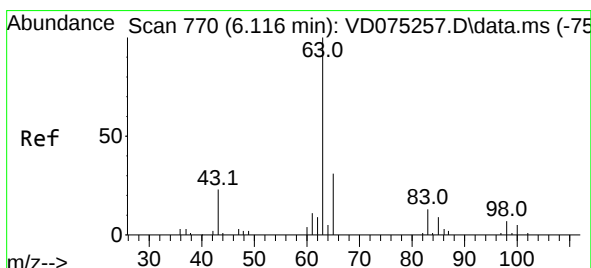
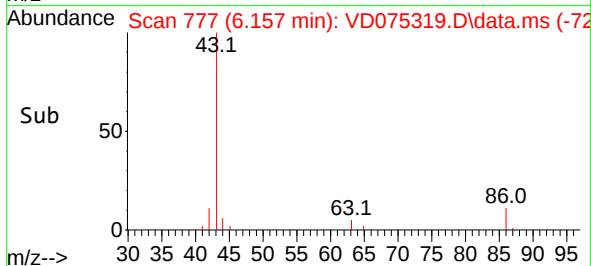
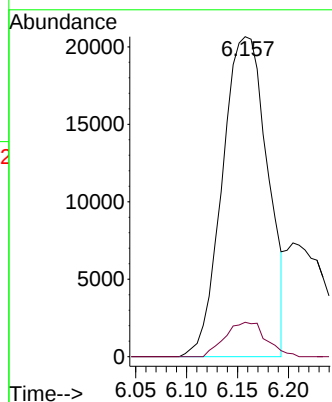
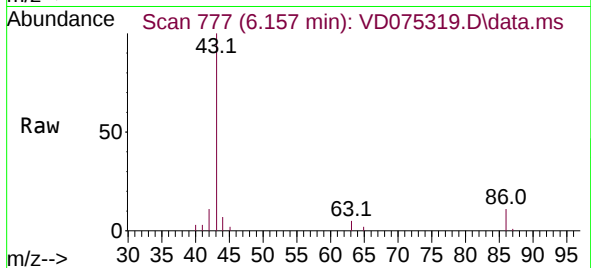




#23  
 Vinyl Acetate  
 Concen: 116.150 ug/l m  
 RT: 6.157 min Scan# 777  
 Delta R.T. 0.000 min  
 Lab File: VD075319.D  
 Acq: 13 Feb 2023 11:12

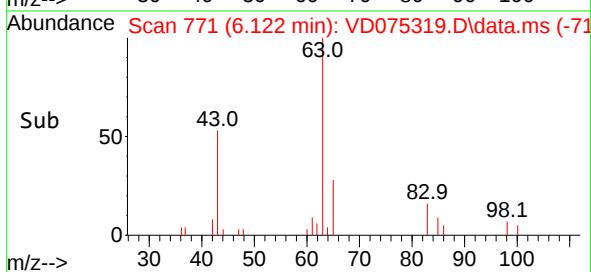
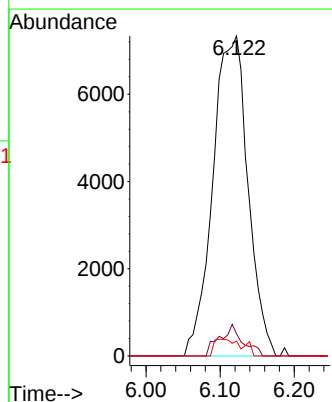
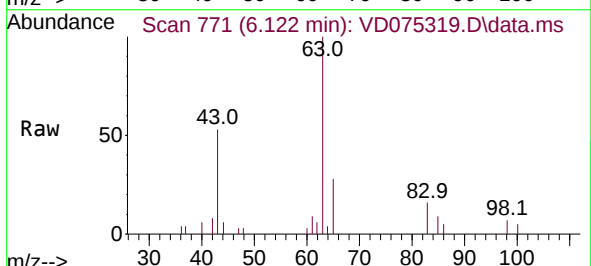
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0213SBS01

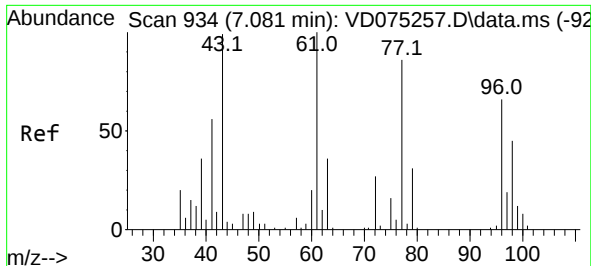
Tgt Ion: 43 Resp: 63886  
 Ion Ratio Lower Upper  
 43 100  
 86 10.7 9.3 13.9



#24  
 1,1-Dichloroethane  
 Concen: 21.573 ug/l  
 RT: 6.122 min Scan# 771  
 Delta R.T. 0.006 min  
 Lab File: VD075319.D  
 Acq: 13 Feb 2023 11:12

Tgt Ion: 63 Resp: 24088  
 Ion Ratio Lower Upper  
 63 100  
 98 7.0 4.0 12.2  
 100 4.7 2.5 7.4

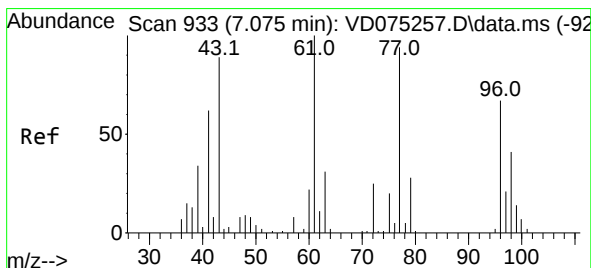
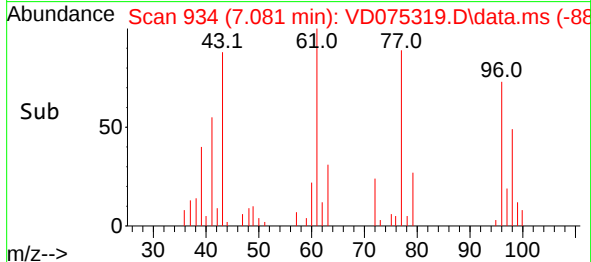
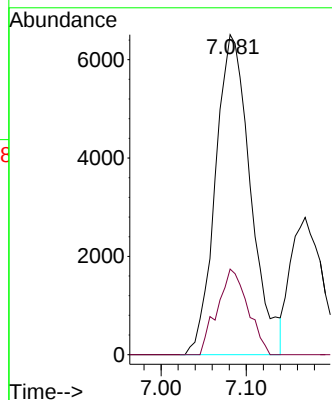
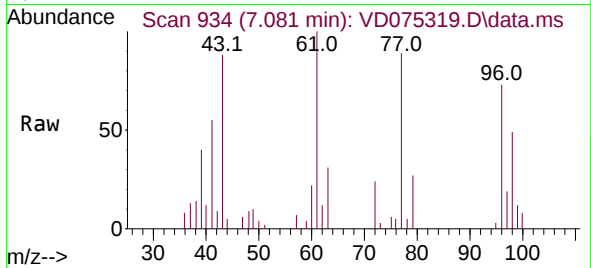




#25  
2-Butanone  
Concen: 100.307 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

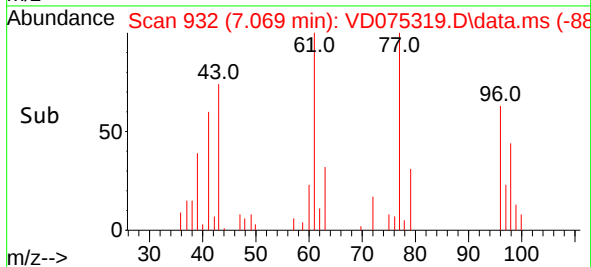
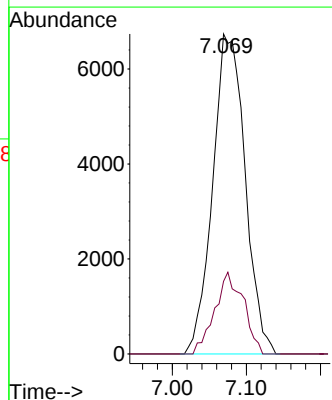
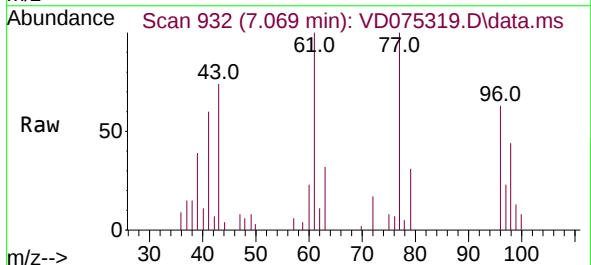
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0213SBS01

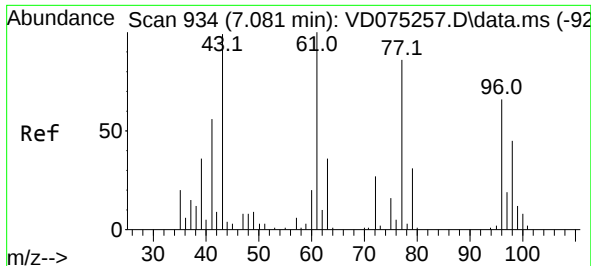
Tgt Ion: 43 Resp: 18633  
Ion Ratio Lower Upper  
43 100  
72 26.8 19.8 29.8



#26  
2,2-Dichloropropane  
Concen: 20.703 ug/l  
RT: 7.069 min Scan# 932  
Delta R.T. -0.006 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

Tgt Ion: 77 Resp: 20462  
Ion Ratio Lower Upper  
77 100  
97 22.6 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 20.215 ug/l

RT: 7.081 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

Instrument :

MSVOA\_D

ClientSampleId :

VD0213SBS01

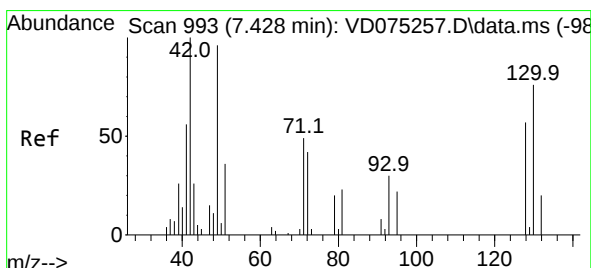
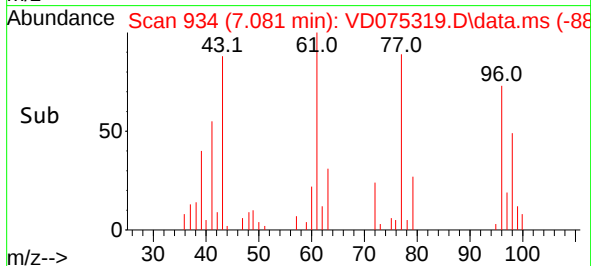
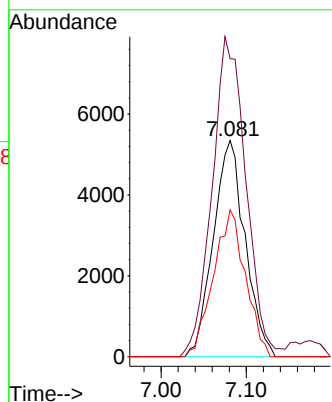
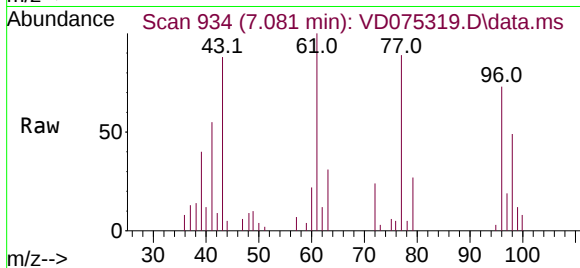
Tgt Ion: 96 Resp: 13850

Ion Ratio Lower Upper

96 100

61 157.6 0.0 287.4

98 68.4 0.0 129.8



#28

Bromochloromethane

Concen: 23.851 ug/l

RT: 7.428 min Scan# 993

Delta R.T. -0.000 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

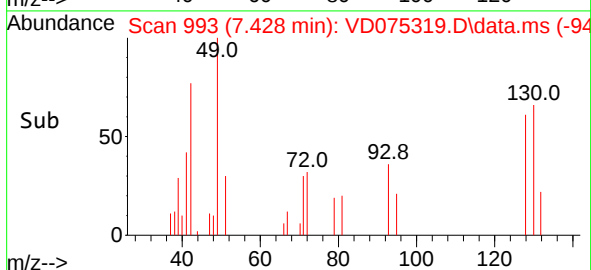
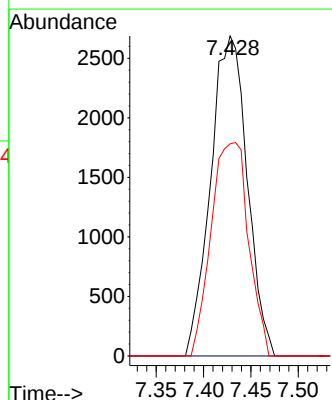
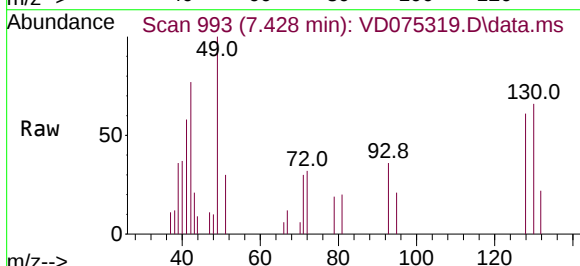
Tgt Ion: 49 Resp: 7223

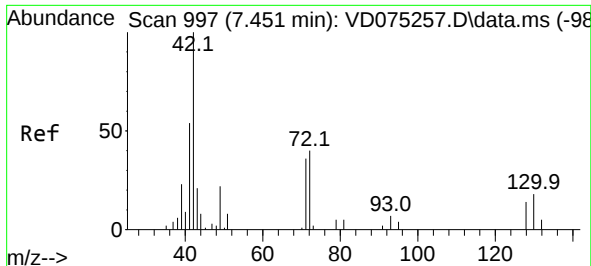
Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.6

130 67.9 63.6 95.4





#29

Tetrahydrofuran

Concen: 101.131 ug/l

RT: 7.446 min Scan# 997

Delta R.T. -0.005 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

Instrument :

MSVOA\_D

ClientSampleId :

VD0213SBS01

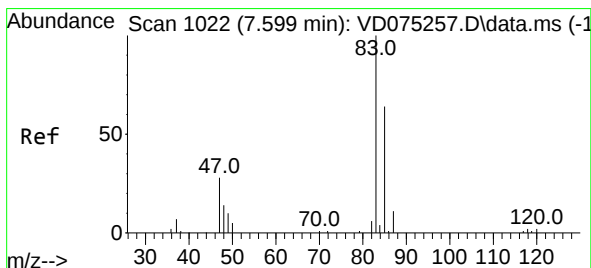
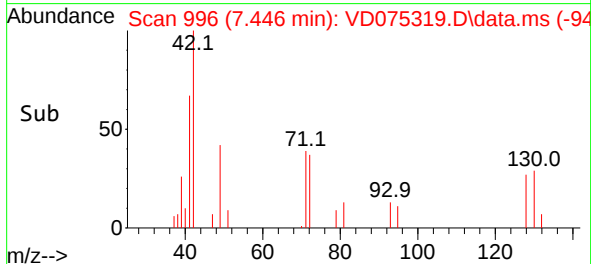
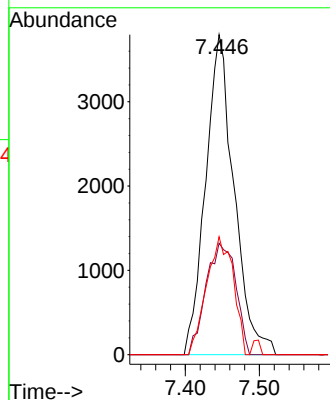
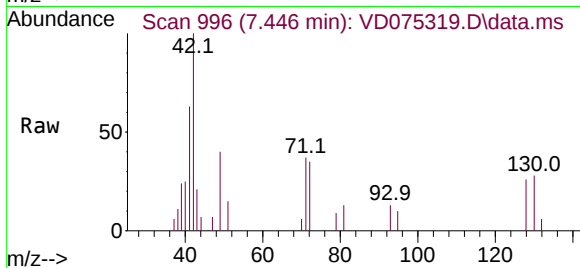
Tgt Ion: 42 Resp: 10116

Ion Ratio Lower Upper

42 100

72 36.4 33.8 50.8

71 34.6 31.6 47.4



#30

Chloroform

Concen: 21.658 ug/l

RT: 7.593 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VD075319.D

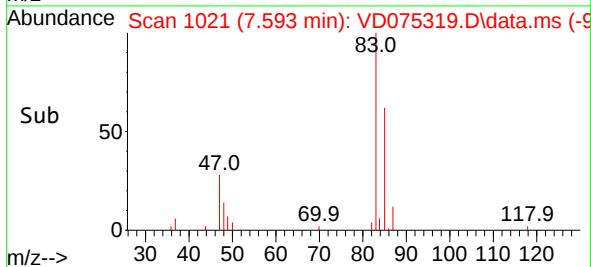
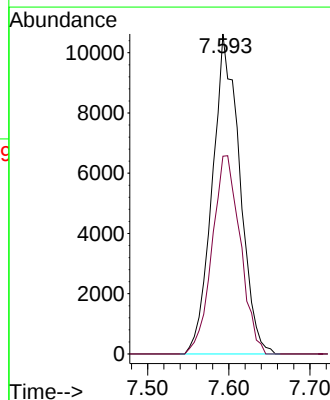
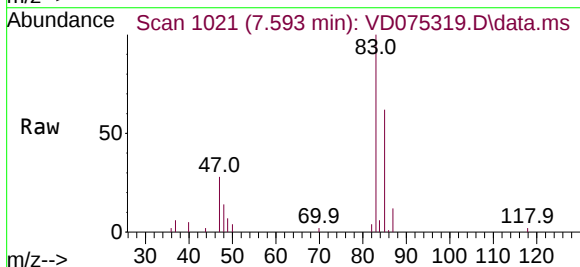
Acq: 13 Feb 2023 11:12

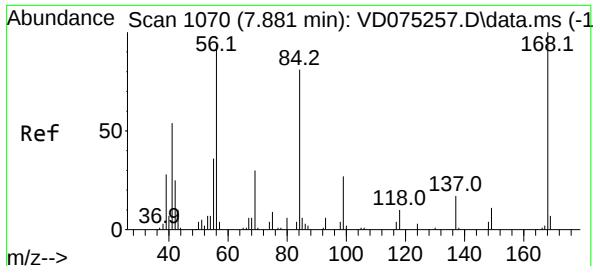
Tgt Ion: 83 Resp: 24891

Ion Ratio Lower Upper

83 100

85 61.8 48.5 72.7





#31

Cyclohexane

Concen: 19.336 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

Instrument :

MSVOA\_D

ClientSampleId :

VD0213SBS01

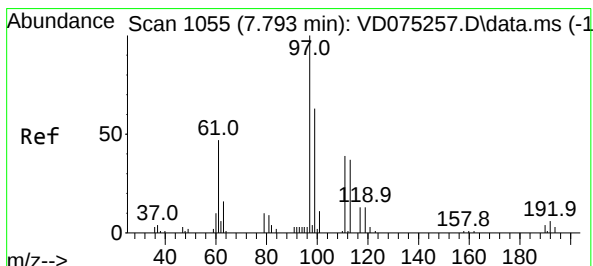
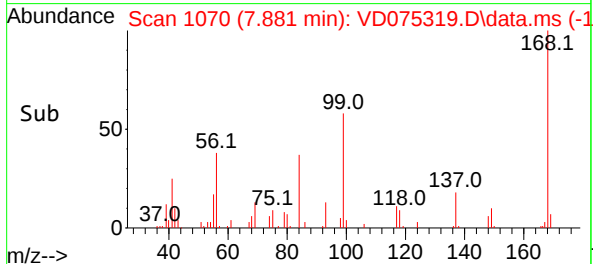
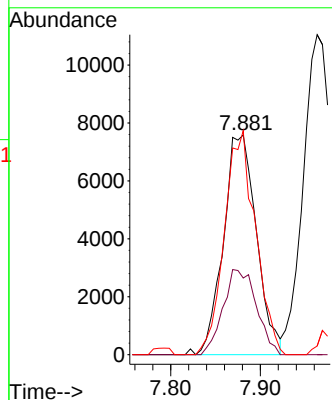
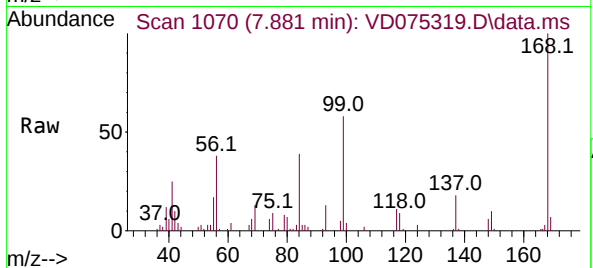
Tgt Ion: 56 Resp: 19467

Ion Ratio Lower Upper

56 100

69 34.9 26.6 40.0

84 102.0 74.1 111.1



#32

1,1,1-Trichloroethane

Concen: 22.055 ug/l

RT: 7.798 min Scan# 1056

Delta R.T. 0.005 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

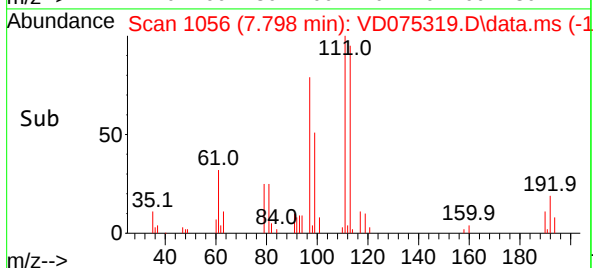
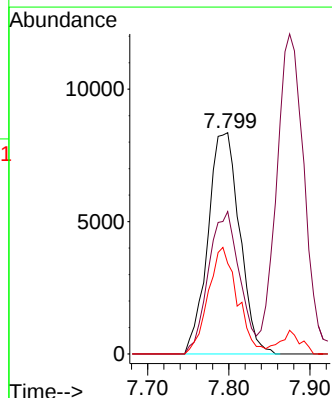
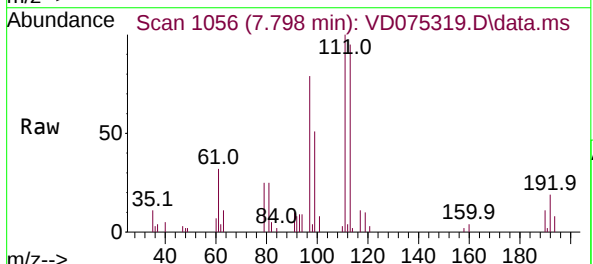
Tgt Ion: 97 Resp: 22673

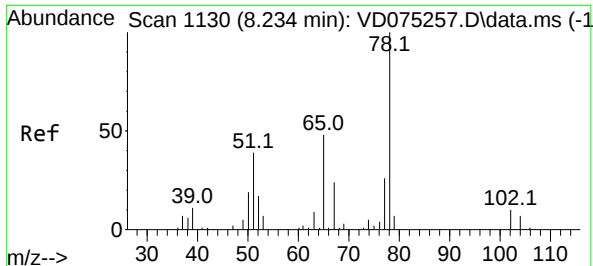
Ion Ratio Lower Upper

97 100

99 63.2 51.7 77.5

61 44.6 36.3 54.5





#33

1,2-Dichloroethane-d4

Concen: 50.414 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

Instrument :

MSVOA\_D

ClientSampleId :

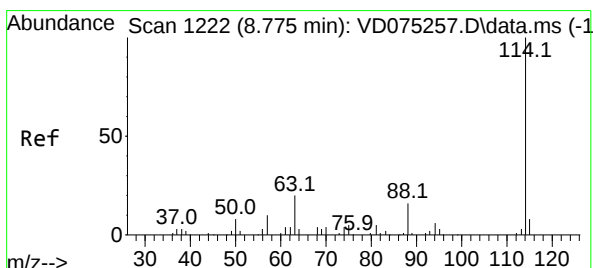
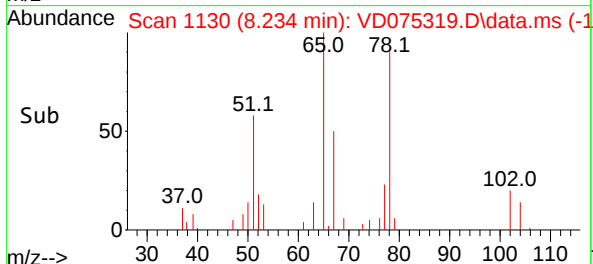
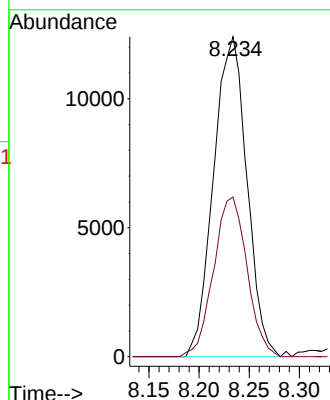
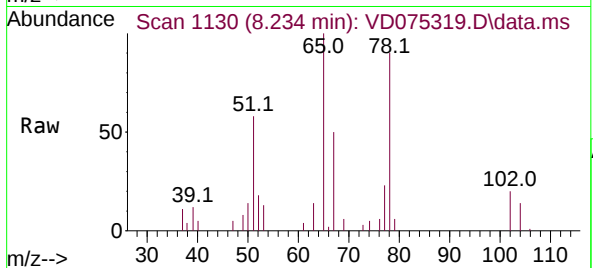
VD0213SBS01

Tgt Ion: 65 Resp: 28583

Ion Ratio Lower Upper

65 100

67 50.0 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

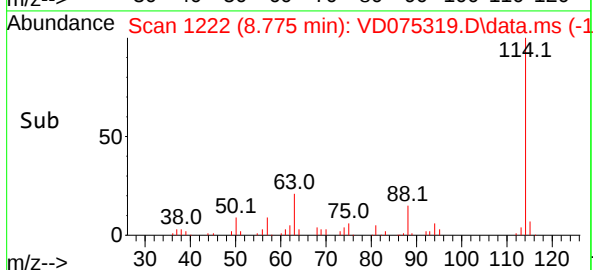
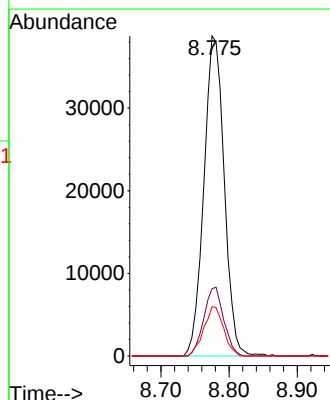
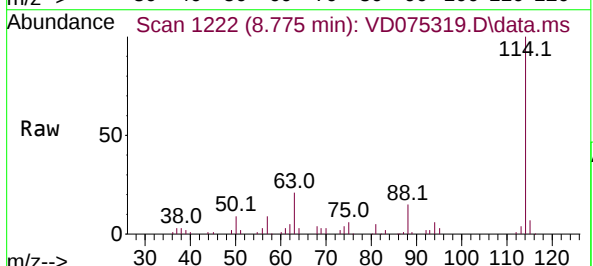
Tgt Ion: 114 Resp: 80441

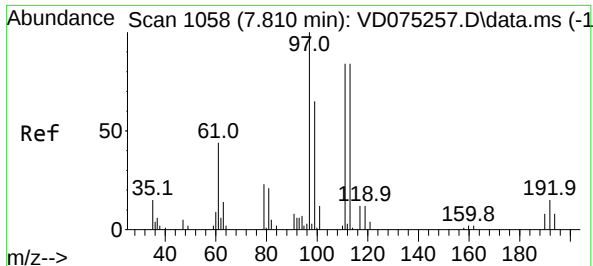
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.2

88 15.4 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.035 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

Instrument :

MSVOA\_D

ClientSampleId :

VD0213SBS01

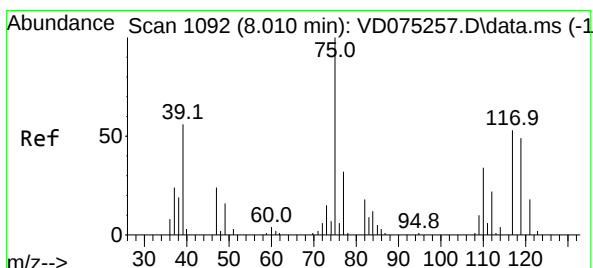
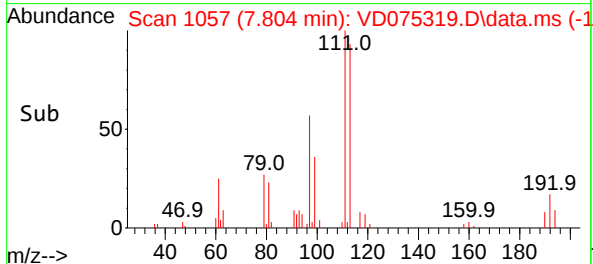
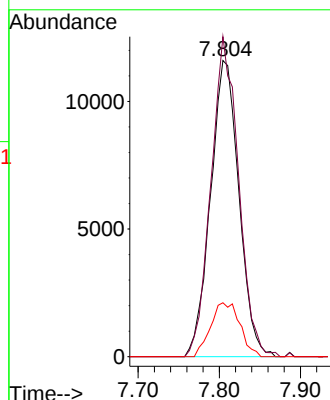
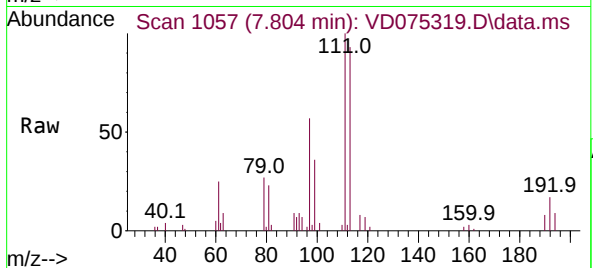
Tgt Ion:113 Resp: 28222

Ion Ratio Lower Upper

113 100

111 104.8 80.1 120.1

192 18.8 15.4 23.0



#36

1,1-Dichloropropene

Concen: 19.954 ug/l

RT: 8.010 min Scan# 1092

Delta R.T. 0.000 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

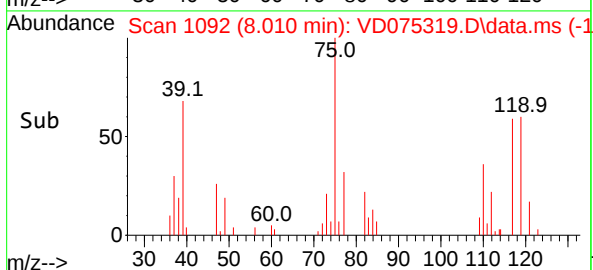
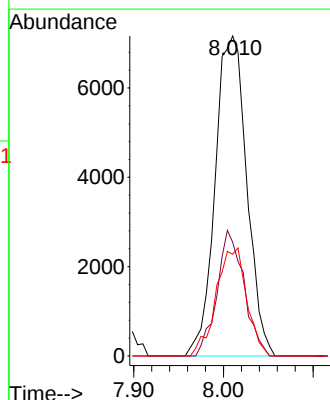
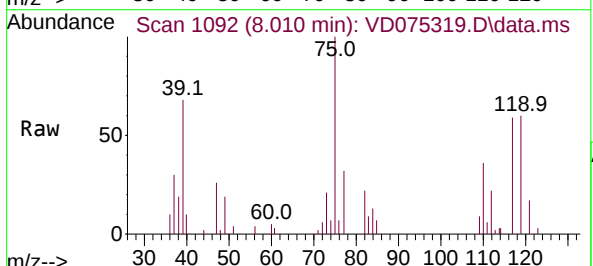
Tgt Ion: 75 Resp: 17533

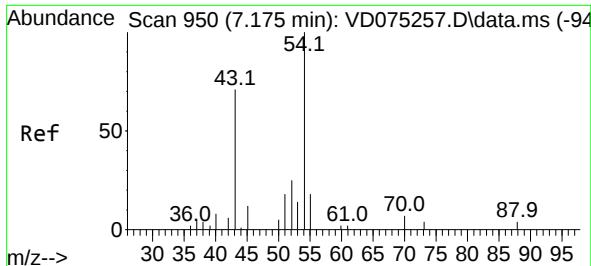
Ion Ratio Lower Upper

75 100

110 33.4 18.1 54.4

77 32.6 25.1 37.7





#37

Ethyl Acetate

Concen: 19.569 ug/l

RT: 7.169 min Scan# 949

Delta R.T. -0.006 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

Instrument :

MSVOA\_D

ClientSampleId :

VD0213SBS01

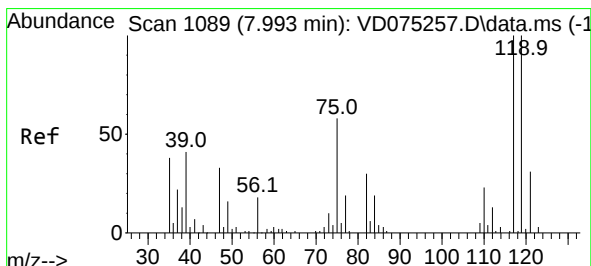
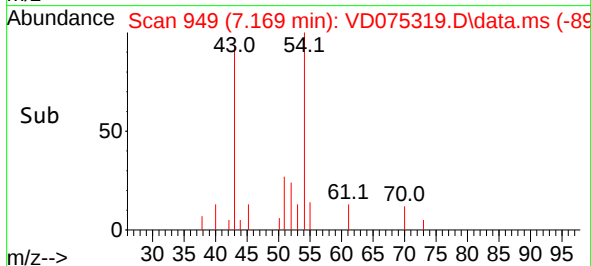
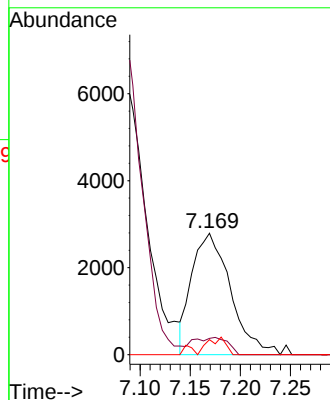
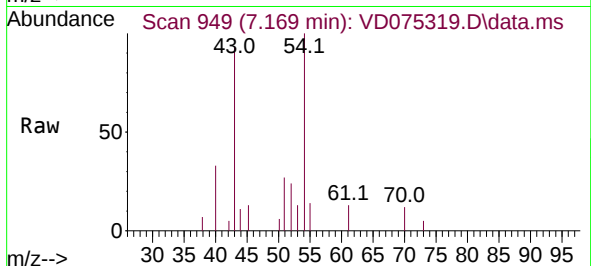
Tgt Ion: 43 Resp: 7499

Ion Ratio Lower Upper

43 100

61 12.3 11.7 17.5

70 6.7 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 22.825 ug/l

RT: 7.993 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

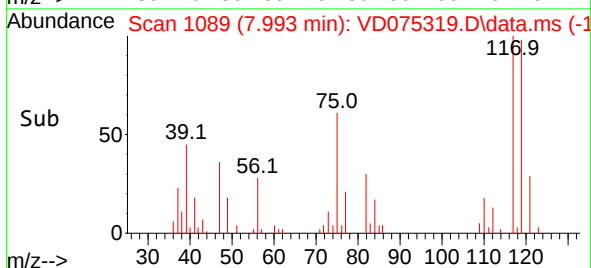
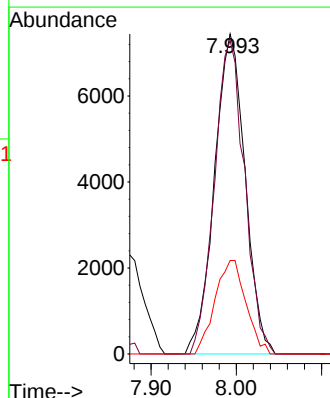
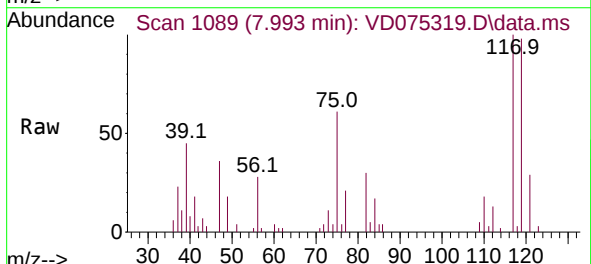
Tgt Ion: 117 Resp: 18584

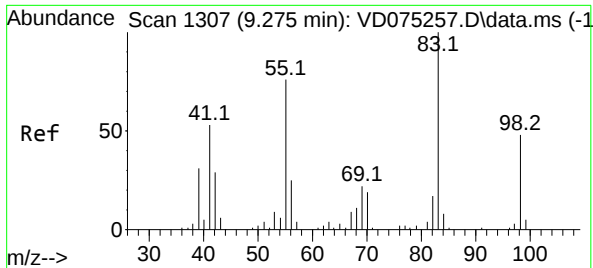
Ion Ratio Lower Upper

117 100

119 98.0 73.6 110.4

121 29.2 25.4 38.0





#39

Methylcyclohexane

Concen: 19.423 ug/l

RT: 9.275 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

Instrument :

MSVOA\_D

ClientSampleId :

VD0213SBS01

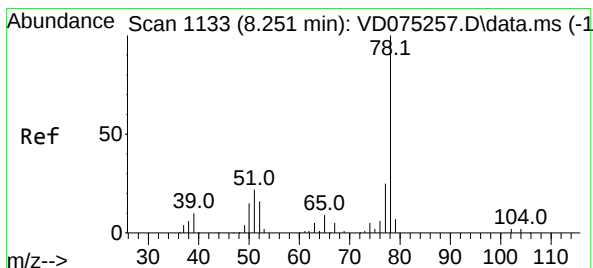
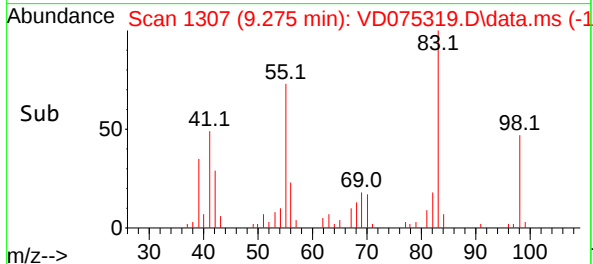
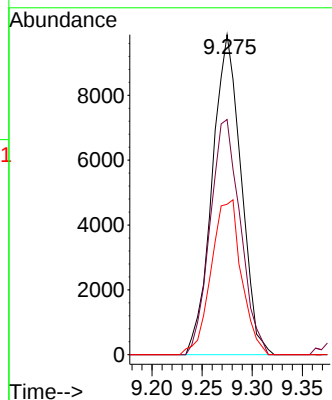
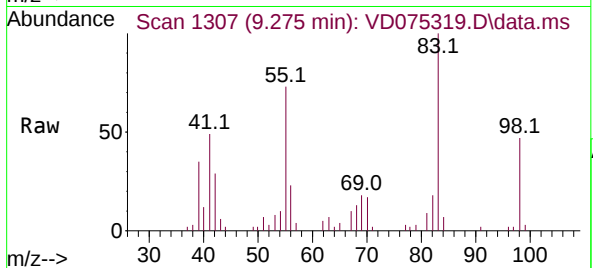
Tgt Ion: 83 Resp: 19754

Ion Ratio Lower Upper

83 100

55 73.5 60.0 90.0

98 47.0 39.0 58.4



#40

Benzene

Concen: 20.329 ug/l

RT: 8.251 min Scan# 1133

Delta R.T. 0.000 min

Lab File: VD075319.D

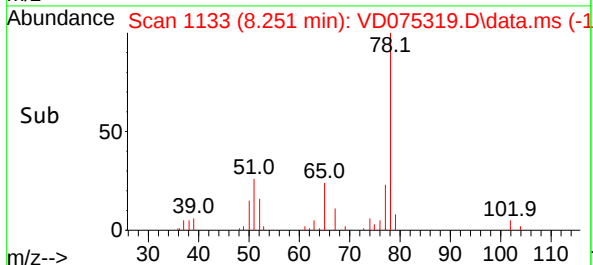
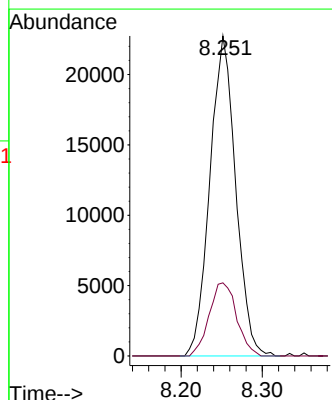
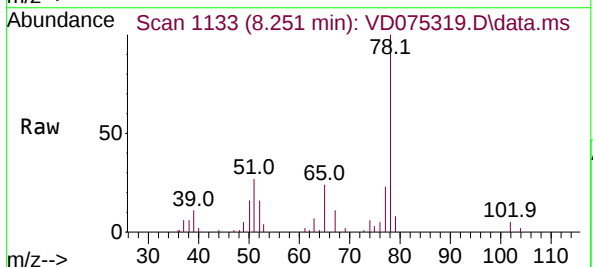
Acq: 13 Feb 2023 11:12

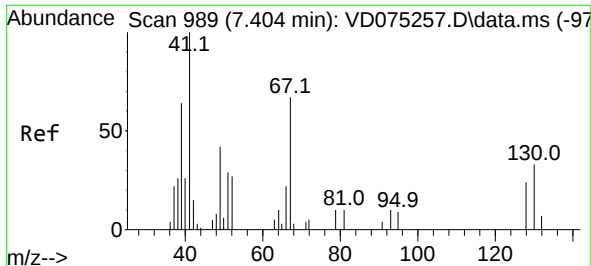
Tgt Ion: 78 Resp: 50201

Ion Ratio Lower Upper

78 100

77 22.9 19.8 29.6

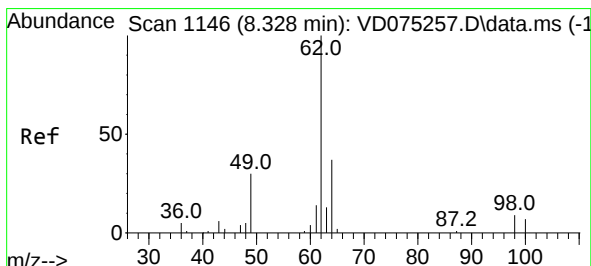
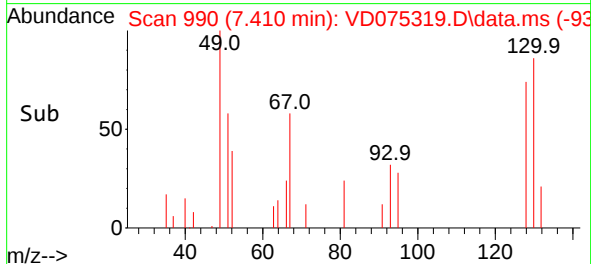
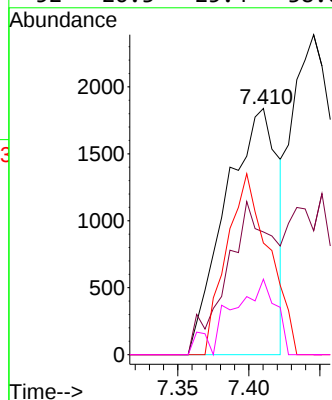
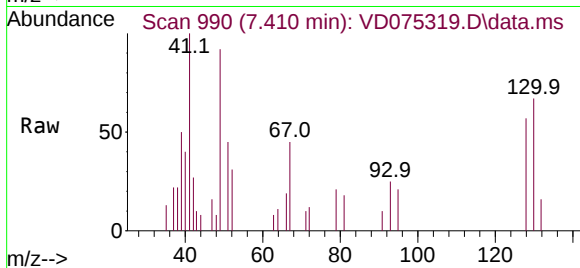




#41  
Methacrylonitrile  
Concen: 20.634 ug/l  
RT: 7.410 min Scan# 989  
Delta R.T. 0.006 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

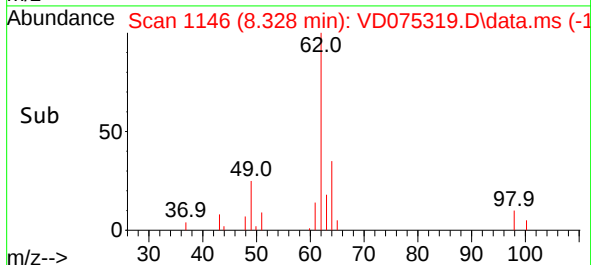
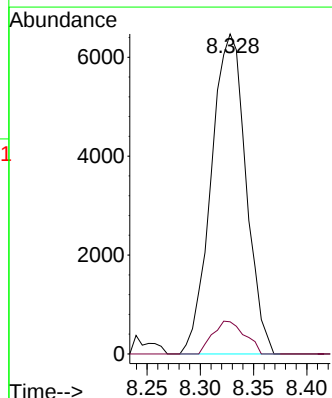
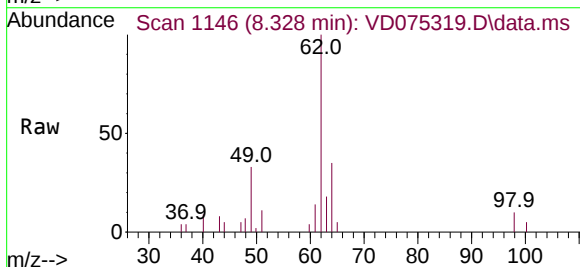
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0213SBS01

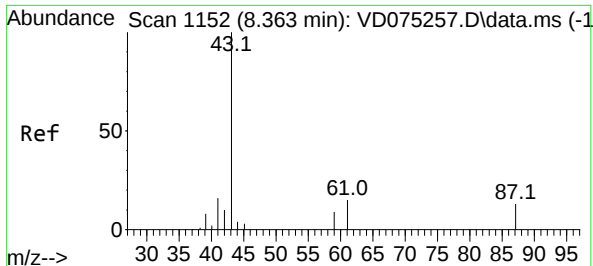
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 4717  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 56.2  | 57.8  | 86.6# |
| 67       | 59.4  | 60.5  | 90.7# |
| 52       | 26.3  | 25.4  | 38.0  |



#42  
1,2-Dichloroethane  
Concen: 20.554 ug/l  
RT: 8.328 min Scan# 1146  
Delta R.T. -0.000 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 14695 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.4   | 0.0   | 19.2  |





#43

Isopropyl Acetate

Concen: 19.953 ug/l

RT: 8.357 min Scan# 1151

Delta R.T. -0.006 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

Instrument :

MSVOA\_D

ClientSampleId :

VD0213SBS01

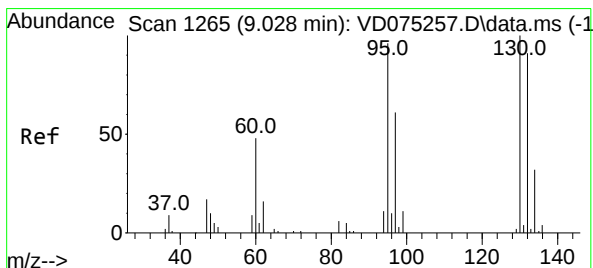
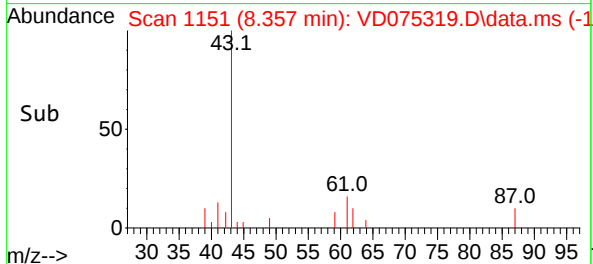
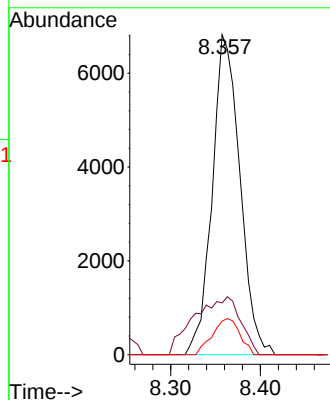
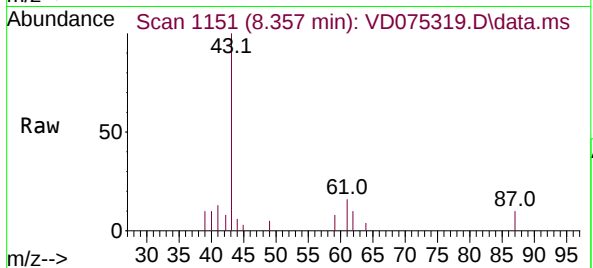
Tgt Ion: 43 Resp: 14610

Ion Ratio Lower Upper

43 100

61 30.4 25.0 37.6

87 11.1 10.6 16.0



#44

Trichloroethene

Concen: 20.484 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. -0.000 min

Lab File: VD075319.D

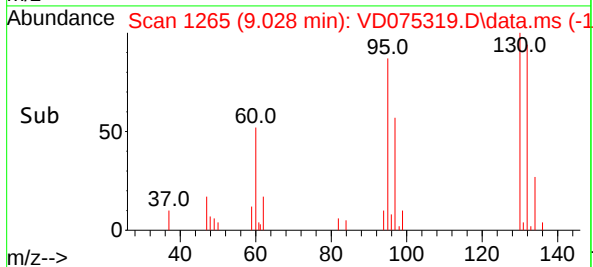
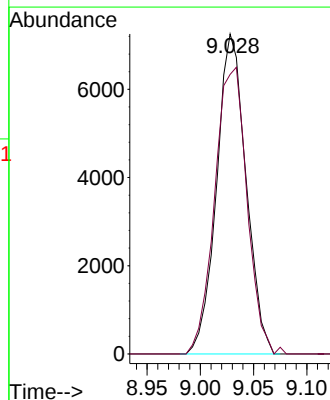
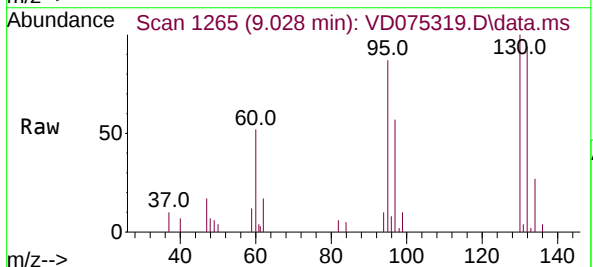
Acq: 13 Feb 2023 11:12

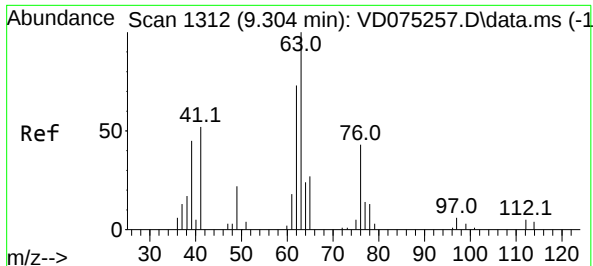
Tgt Ion:130 Resp: 13944

Ion Ratio Lower Upper

130 100

95 87.3 0.0 188.6





#45

1,2-Dichloropropane

Concen: 20.943 ug/l

RT: 9.304 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

Instrument :

MSVOA\_D

ClientSampleId :

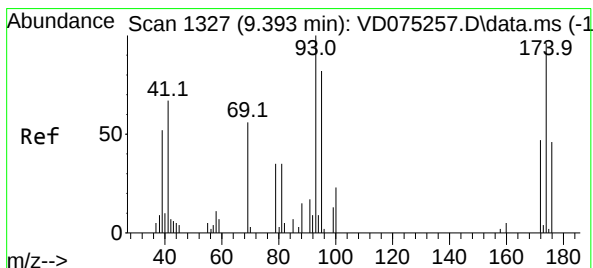
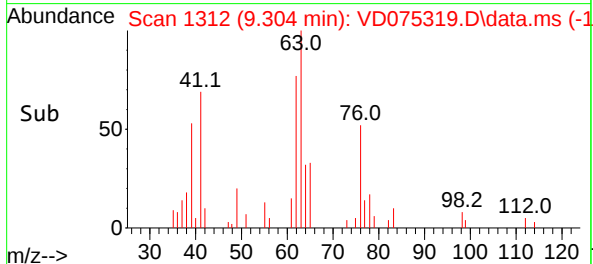
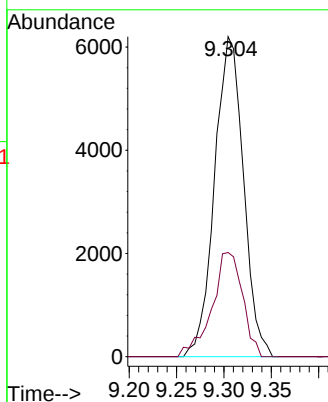
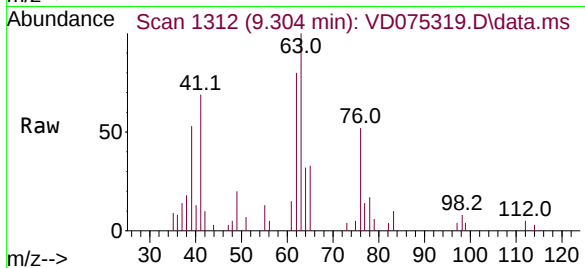
VD0213SBS01

Tgt Ion: 63 Resp: 13135

Ion Ratio Lower Upper

63 100

65 32.6 25.1 37.7



#46

Dibromomethane

Concen: 20.141 ug/l

RT: 9.398 min Scan# 1328

Delta R.T. 0.005 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

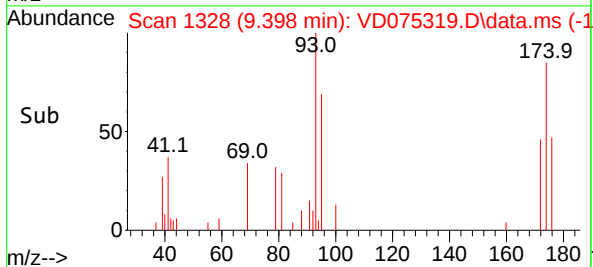
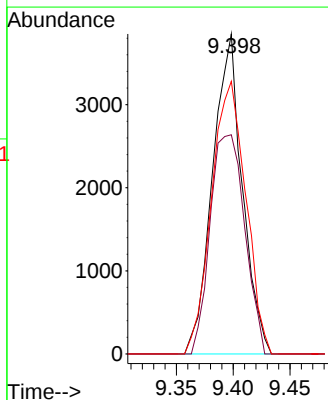
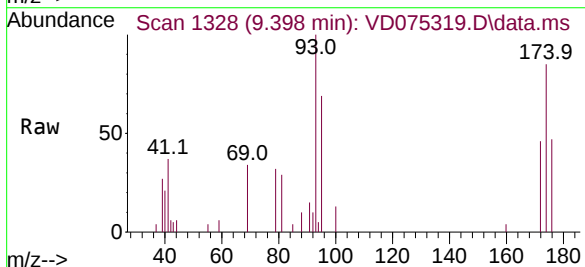
Tgt Ion: 93 Resp: 7000

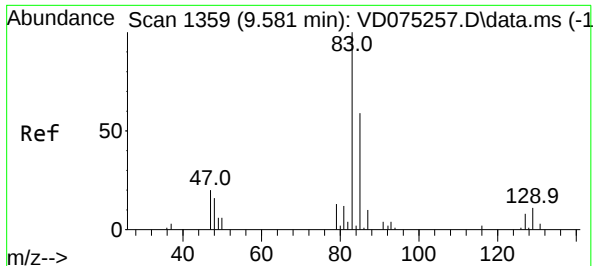
Ion Ratio Lower Upper

93 100

95 79.8 68.3 102.5

174 98.3 77.4 116.0





#47

Bromodichloromethane

Concen: 21.435 ug/l

RT: 9.581 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

Instrument :

MSVOA\_D

ClientSampleId :

VD0213SBS01

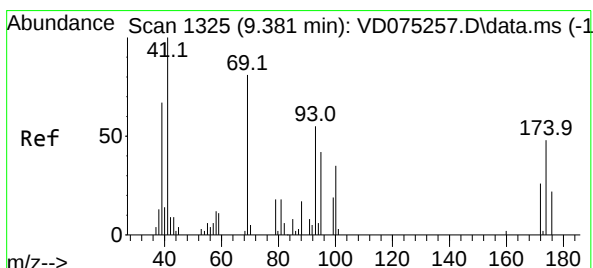
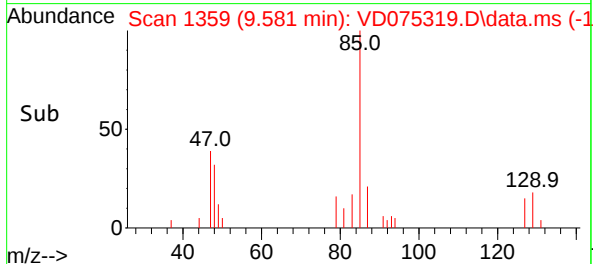
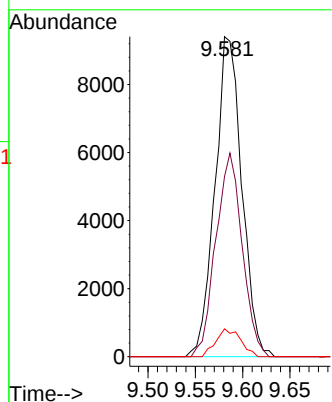
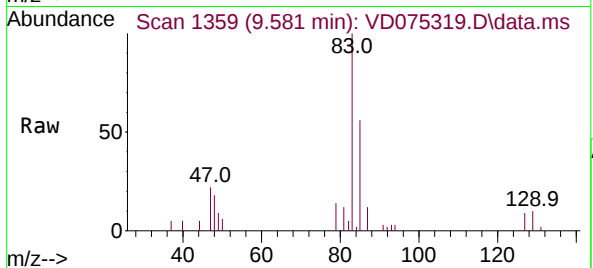
Tgt Ion: 83 Resp: 18541

Ion Ratio Lower Upper

83 100

85 56.3 53.0 79.4

127 8.7 7.0 10.4



#48

Methyl methacrylate

Concen: 21.191 ug/l

RT: 9.381 min Scan# 1325

Delta R.T. -0.000 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

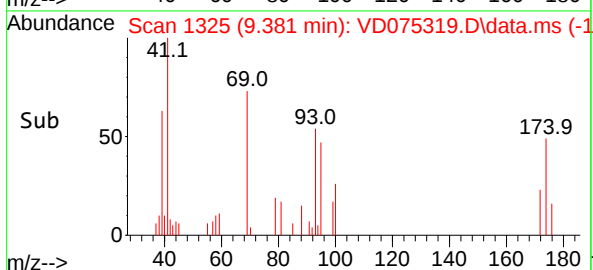
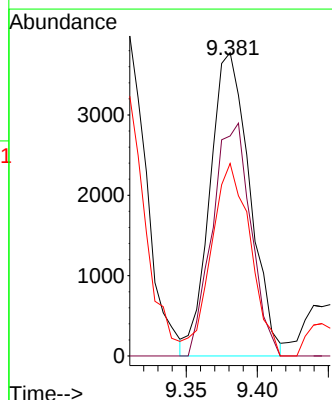
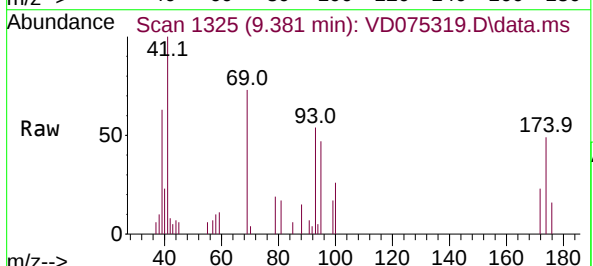
Tgt Ion: 41 Resp: 7369

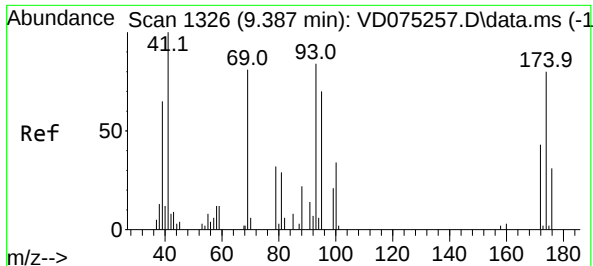
Ion Ratio Lower Upper

41 100

69 74.0 67.8 101.6

39 62.4 46.0 69.0





#49

1,4-Dioxane

Concen: 364.852 ug/l

RT: 9.387 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

Instrument :

MSVOA\_D

ClientSampleId :

VD0213SBS01

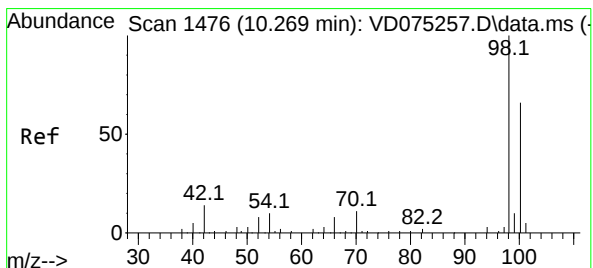
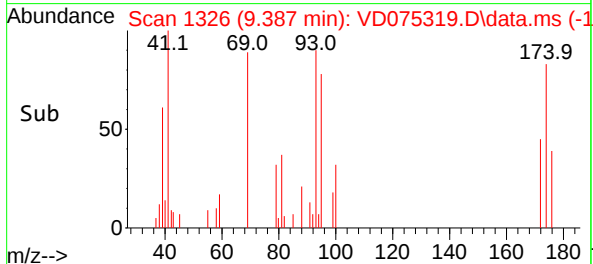
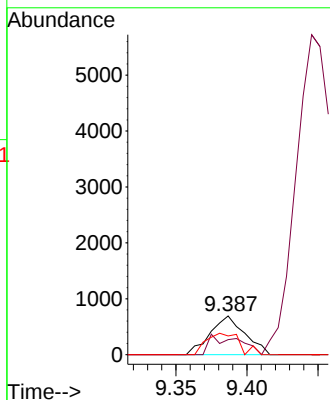
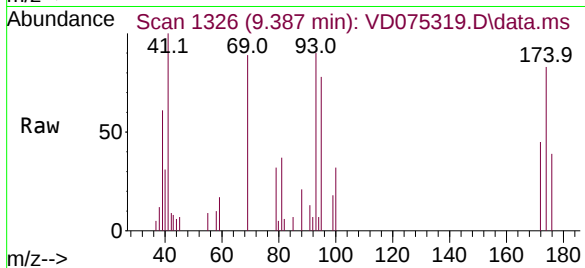
Tgt Ion: 88 Resp: 1170

Ion Ratio Lower Upper

88 100

43 44.9 35.6 53.4

58 53.4 57.4 86.2#



#50

Toluene-d8

Concen: 48.663 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD075319.D

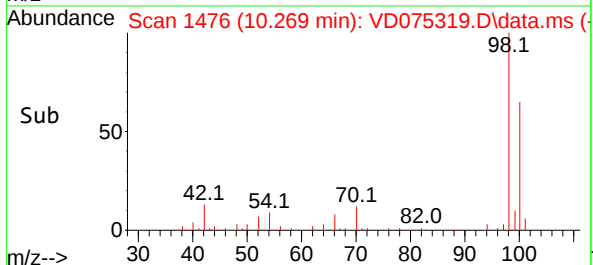
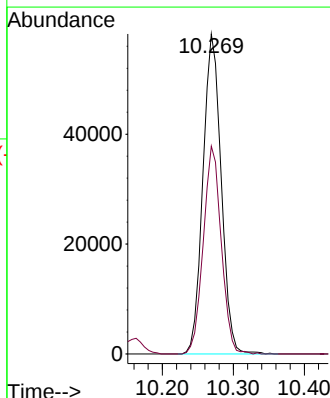
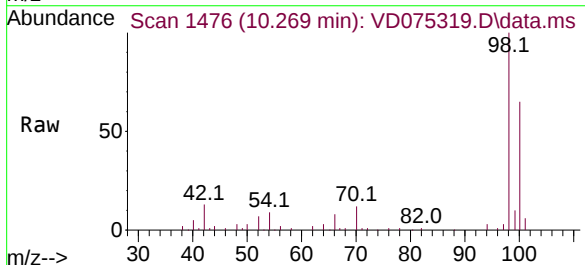
Acq: 13 Feb 2023 11:12

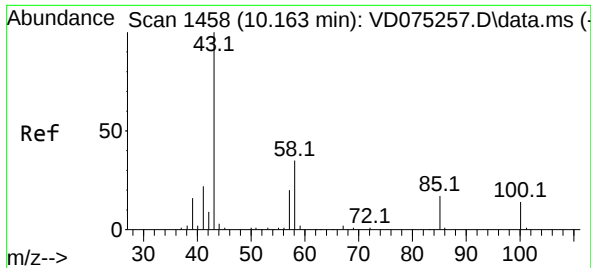
Tgt Ion: 98 Resp: 104095

Ion Ratio Lower Upper

98 100

100 63.9 52.7 79.1

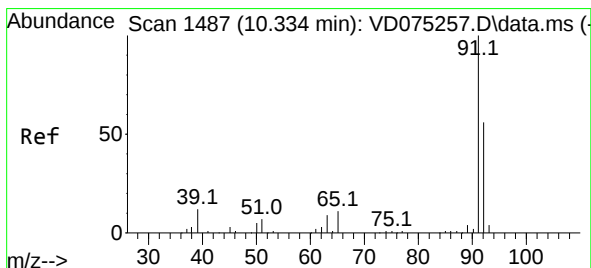
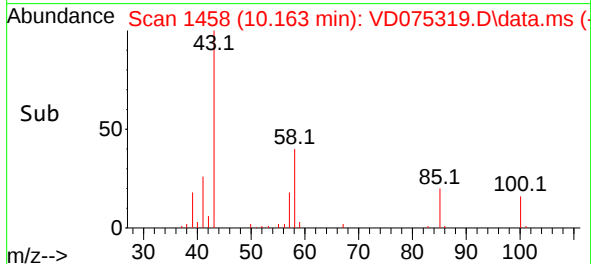
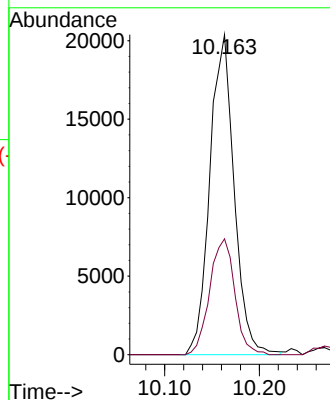
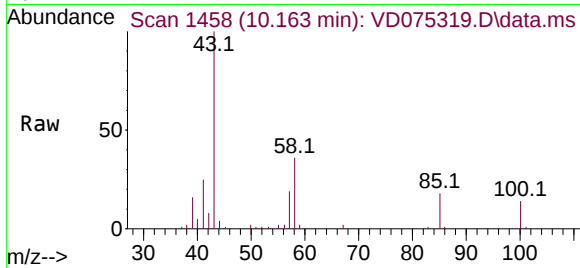




#51  
4-Methyl-2-Pentanone  
Concen: 98.136 ug/l  
RT: 10.163 min Scan# 1458  
Delta R.T. 0.000 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

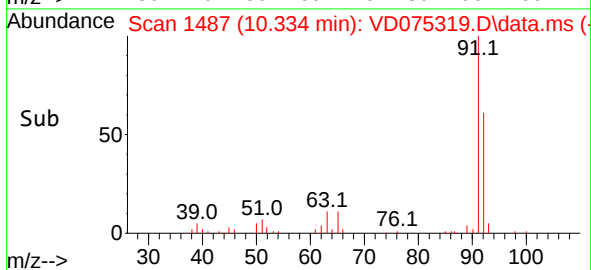
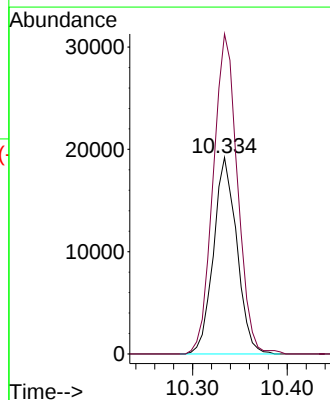
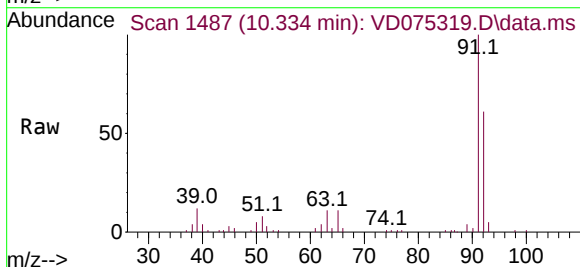
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0213SBS01

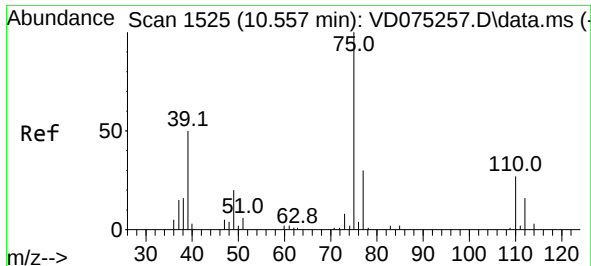
Tgt Ion: 43 Resp: 36328  
Ion Ratio Lower Upper  
43 100  
58 37.3 31.4 47.0



#52  
Toluene  
Concen: 21.114 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

Tgt Ion: 92 Resp: 32842  
Ion Ratio Lower Upper  
92 100  
91 170.2 137.0 205.4

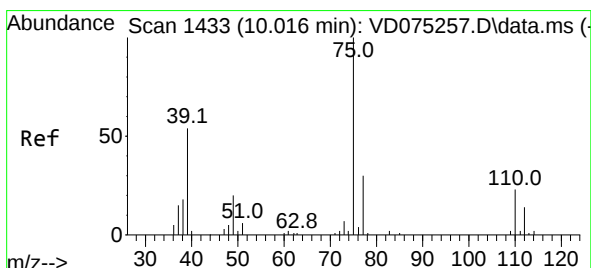
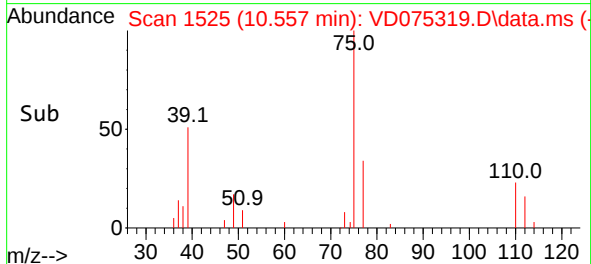
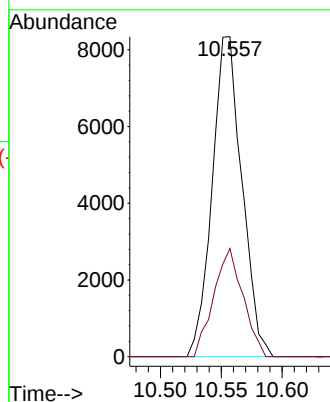
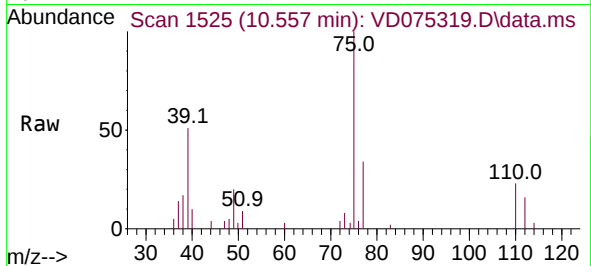




#53  
t-1,3-Dichloropropene  
Concen: 18.942 ug/l  
RT: 10.557 min Scan# 1525  
Delta R.T. 0.000 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

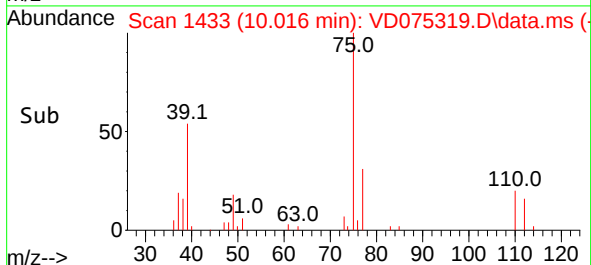
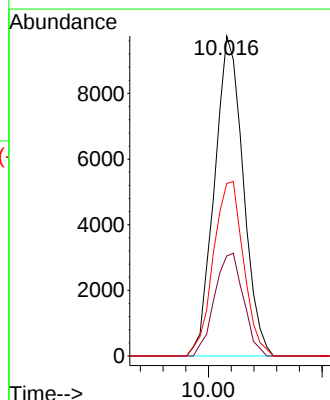
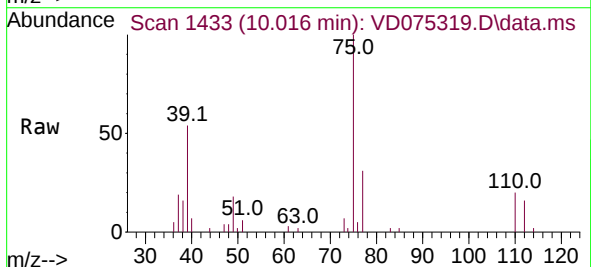
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0213SBS01

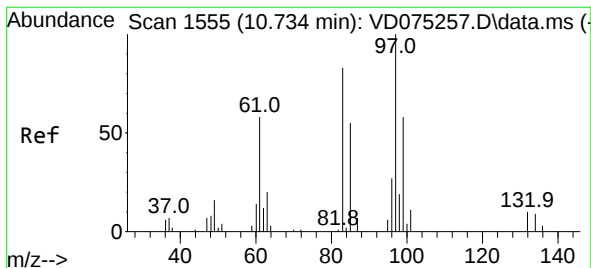
Tgt Ion: 75 Resp: 14192  
Ion Ratio Lower Upper  
75 100  
77 33.8 25.0 37.6



#54  
cis-1,3-Dichloropropene  
Concen: 19.108 ug/l  
RT: 10.016 min Scan# 1433  
Delta R.T. 0.000 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

Tgt Ion: 75 Resp: 17117  
Ion Ratio Lower Upper  
75 100  
77 31.2 25.1 37.7  
39 53.9 37.9 56.9





#55

1,1,2-Trichloroethane

Concen: 21.744 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

Instrument :

MSVOA\_D

ClientSampleId :

VD0213SBS01

Tgt Ion: 97 Resp: 9647

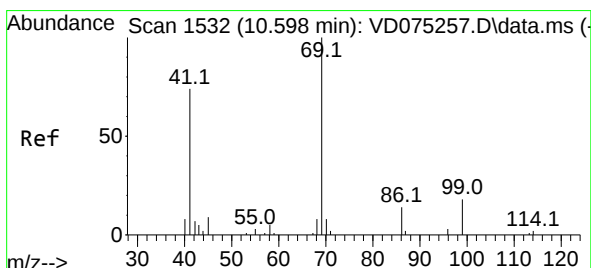
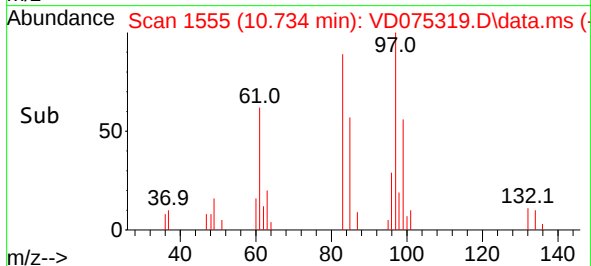
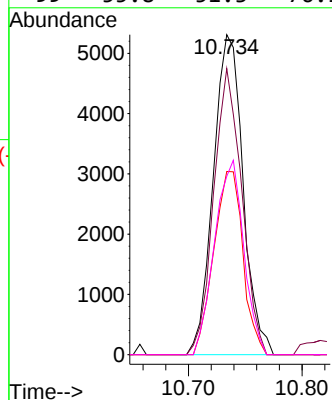
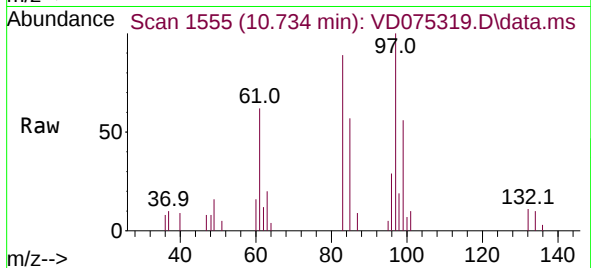
Ion Ratio Lower Upper

97 100

83 89.4 69.4 104.0

85 57.3 46.0 69.0

99 55.8 51.3 76.9



#56

Ethyl methacrylate

Concen: 19.537 ug/l

RT: 10.604 min Scan# 1533

Delta R.T. 0.006 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

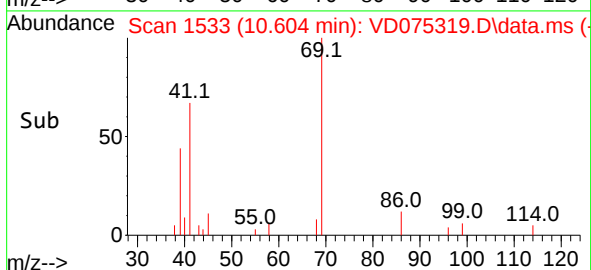
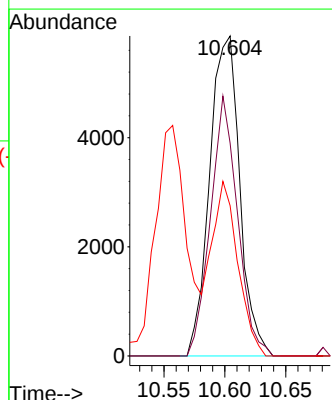
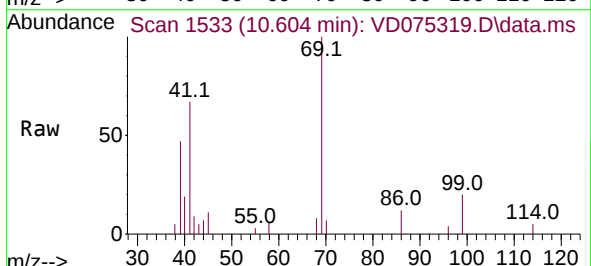
Tgt Ion: 69 Resp: 10077

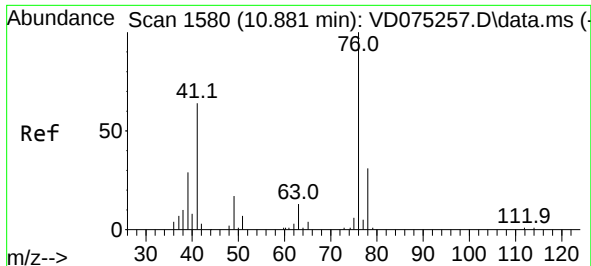
Ion Ratio Lower Upper

69 100

41 73.1 55.7 83.5

39 47.7 31.4 47.0#





#57

1,3-Dichloropropane

Concen: 21.577 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

Instrument :

MSVOA\_D

ClientSampleId :

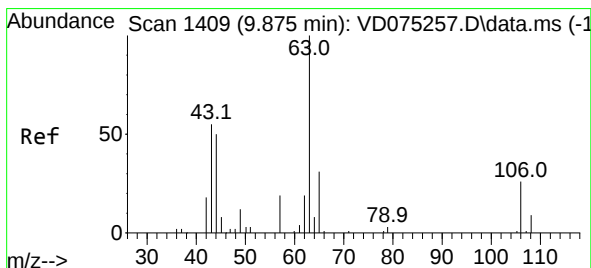
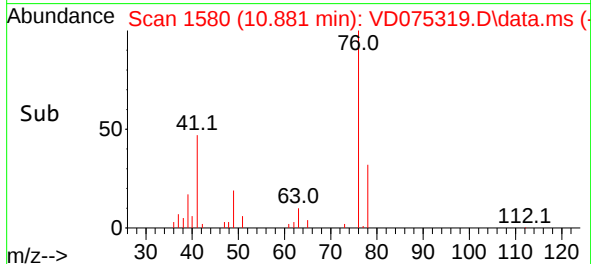
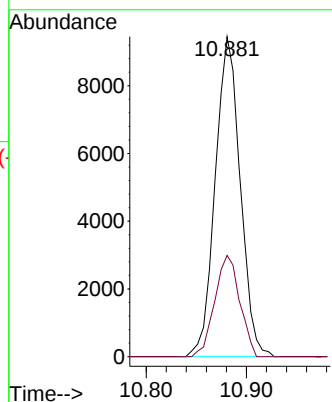
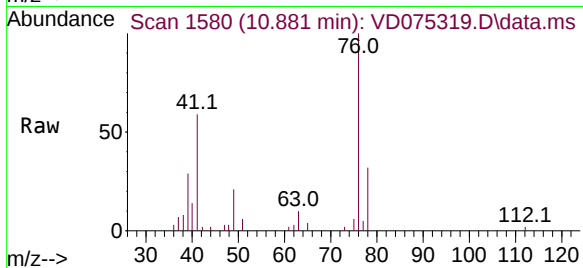
VD0213SBS01

Tgt Ion: 76 Resp: 16308

Ion Ratio Lower Upper

76 100

78 31.7 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 61.554 ug/l

RT: 9.875 min Scan# 1409

Delta R.T. -0.000 min

Lab File: VD075319.D

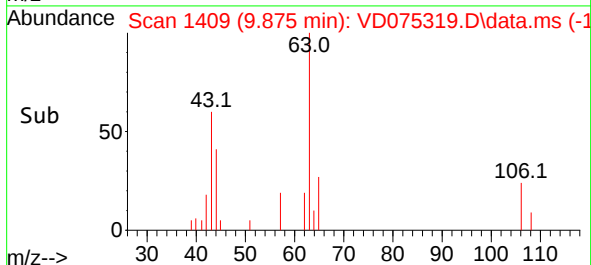
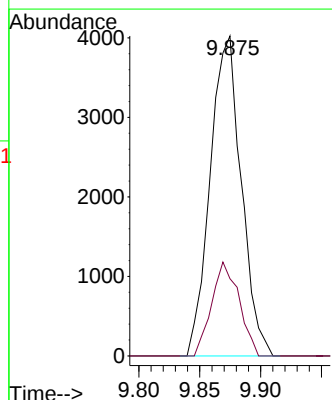
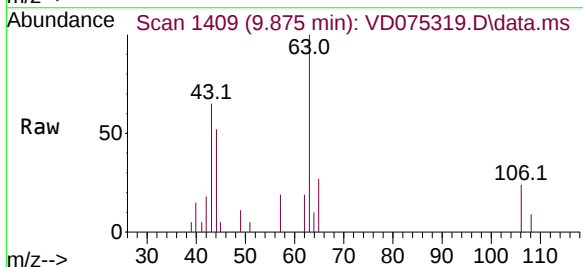
Acq: 13 Feb 2023 11:12

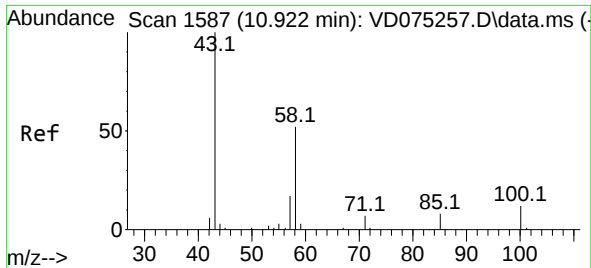
Tgt Ion: 63 Resp: 7152

Ion Ratio Lower Upper

63 100

106 25.9 22.6 33.8

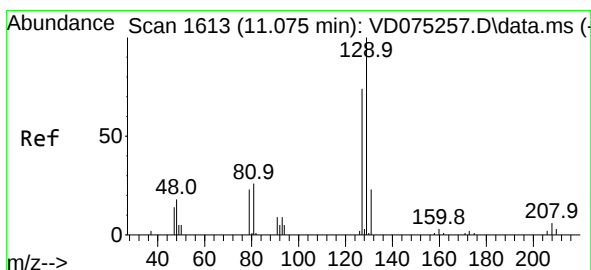
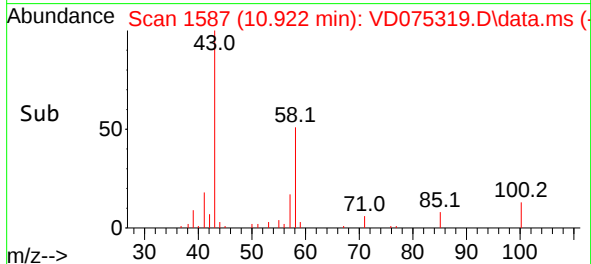
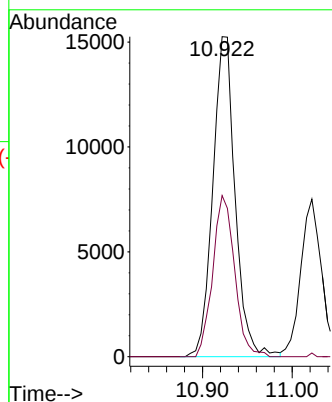
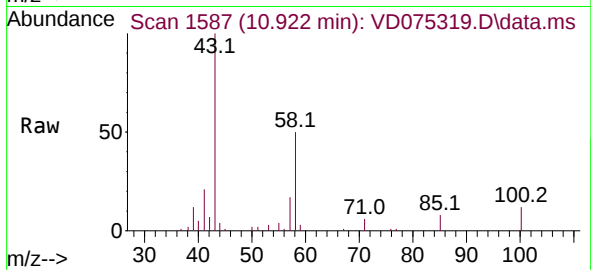




#59  
2-Hexanone  
Concen: 97.368 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

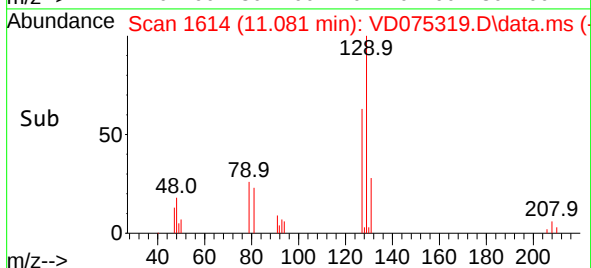
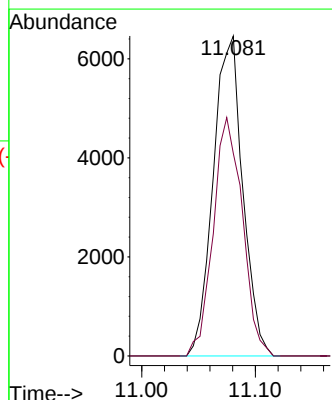
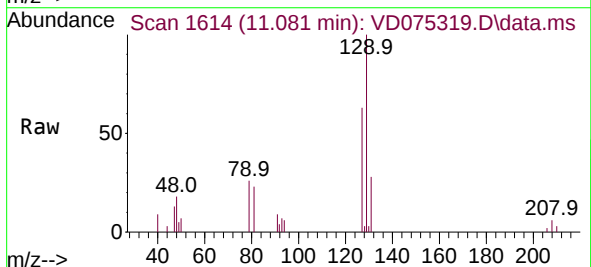
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0213SBS01

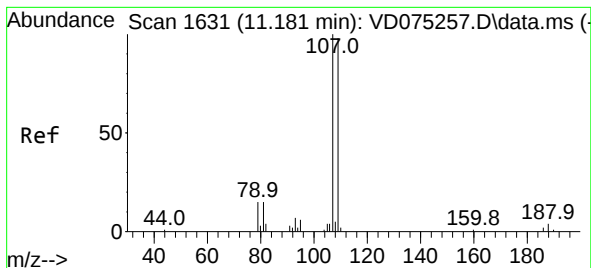
Tgt Ion: 43 Resp: 26333  
Ion Ratio Lower Upper  
43 100  
58 49.4 26.8 80.4



#60  
Dibromochloromethane  
Concen: 21.240 ug/l  
RT: 11.081 min Scan# 1614  
Delta R.T. 0.006 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

Tgt Ion: 129 Resp: 11675  
Ion Ratio Lower Upper  
129 100  
127 73.7 38.9 116.6





#61

1,2-Dibromoethane

Concen: 19.596 ug/l

RT: 11.187 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

Instrument :

MSVOA\_D

ClientSampleId :

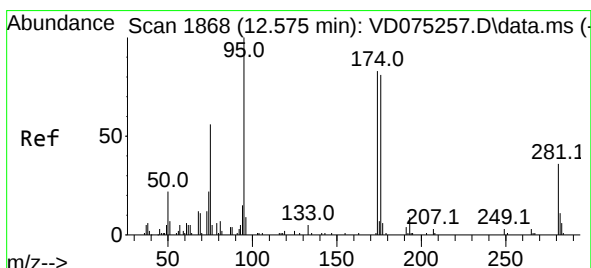
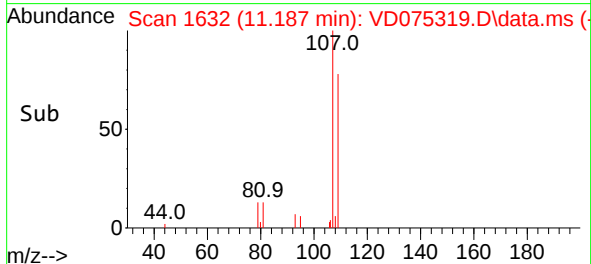
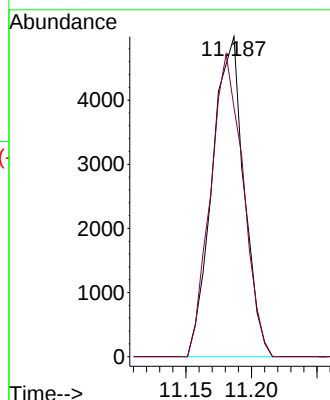
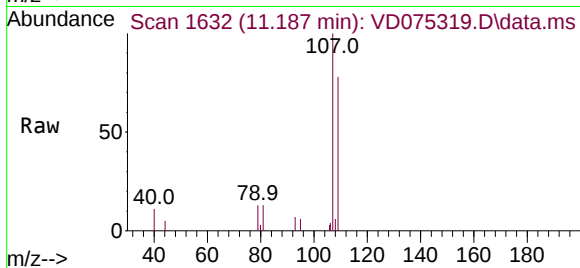
VD0213SBS01

Tgt Ion:107 Resp: 8383

Ion Ratio Lower Upper

107 100

109 97.1 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 48.917 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

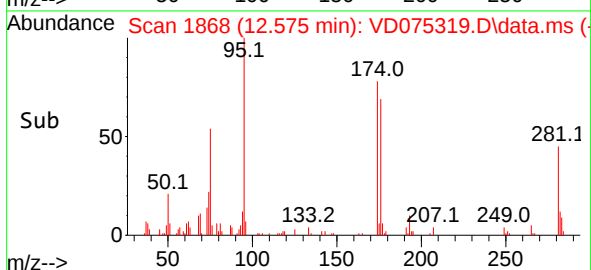
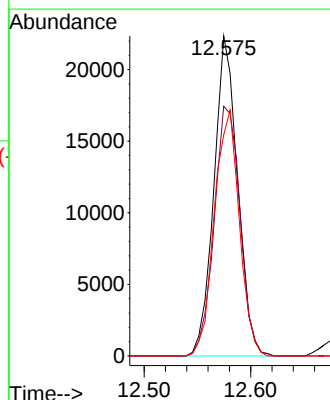
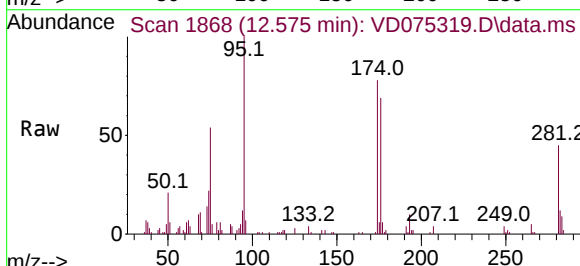
Tgt Ion: 95 Resp: 34503

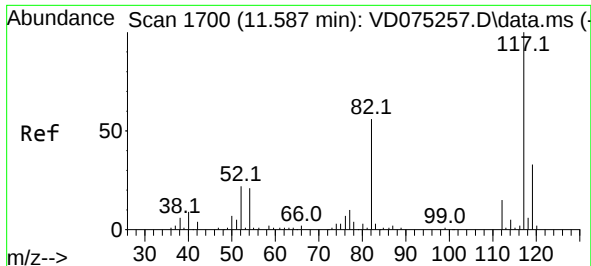
Ion Ratio Lower Upper

95 100

174 85.2 0.0 161.2

176 81.1 0.0 160.2

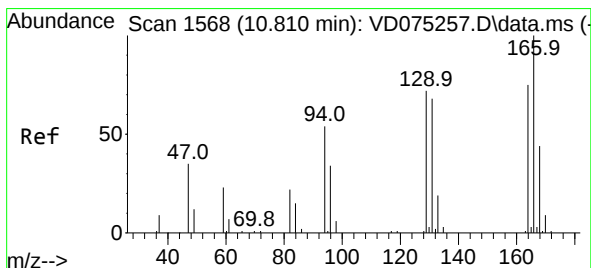
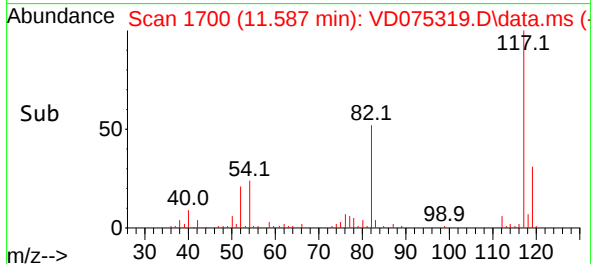
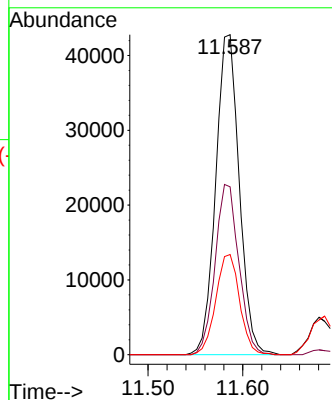
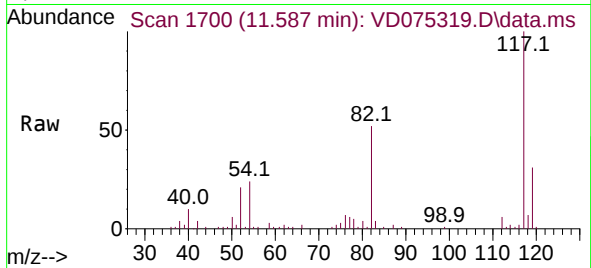




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.587 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

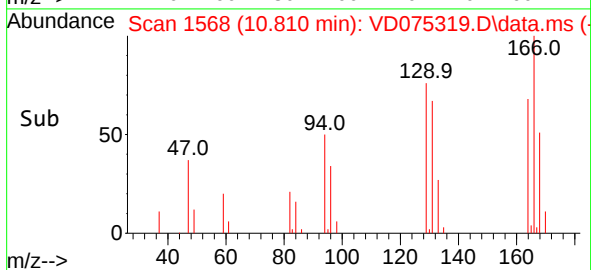
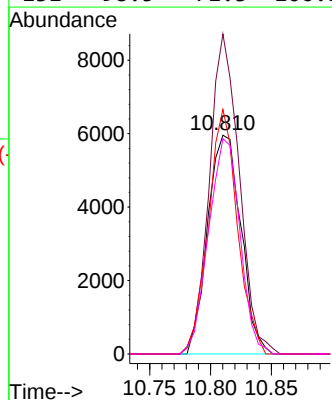
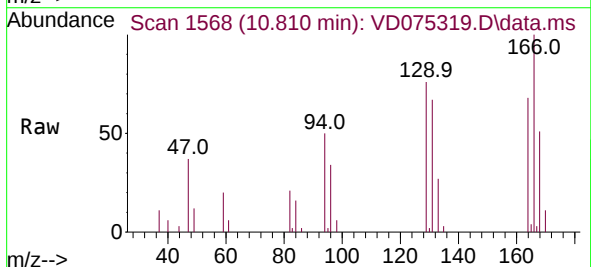
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0213SBS01

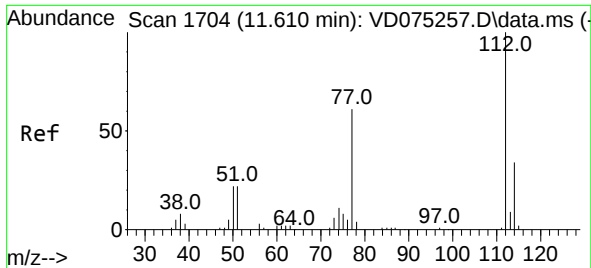
Tgt Ion:117 Resp: 73919  
Ion Ratio Lower Upper  
117 100  
82 52.4 39.6 59.4  
119 31.3 24.6 37.0



#64  
Tetrachloroethene  
Concen: 19.824 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

Tgt Ion:164 Resp: 11286  
Ion Ratio Lower Upper  
164 100  
166 146.3 105.3 157.9  
129 111.8 76.2 114.4  
131 98.5 71.3 106.9

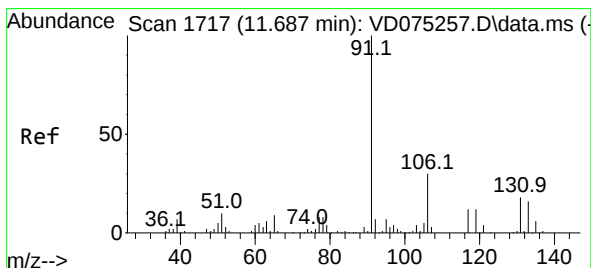
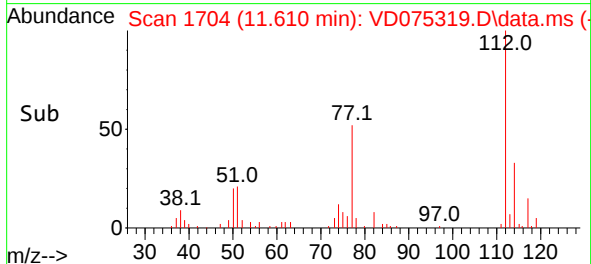
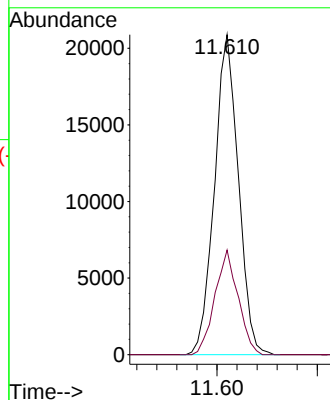
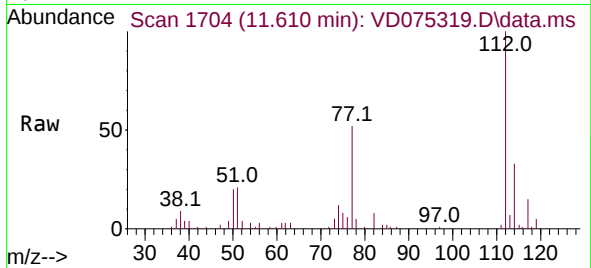




#65  
Chlorobenzene  
Concen: 20.714 ug/l  
RT: 11.610 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

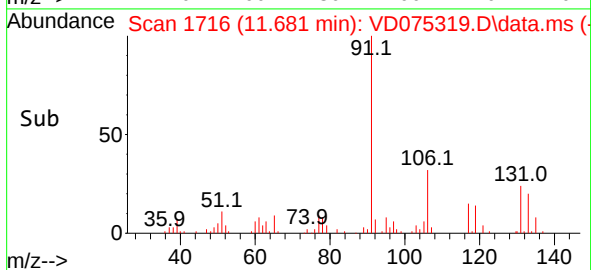
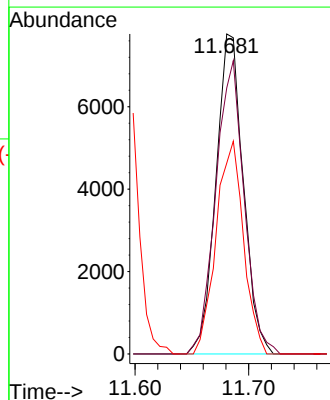
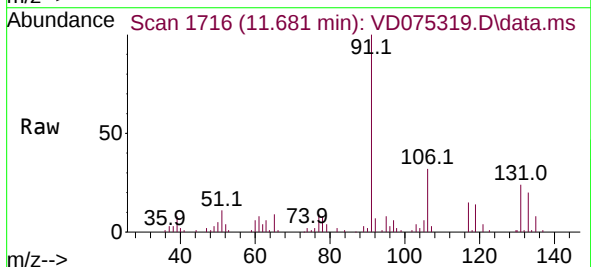
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0213SBS01

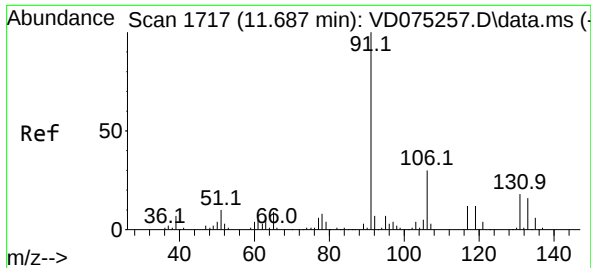
Tgt Ion:112 Resp: 34530  
Ion Ratio Lower Upper  
112 100  
114 32.7 24.7 37.1



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.415 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.006 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

Tgt Ion:131 Resp: 12997  
Ion Ratio Lower Upper  
131 100  
133 95.1 49.0 147.2  
119 66.6 34.8 104.5

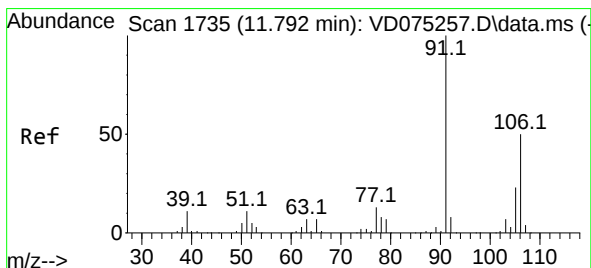
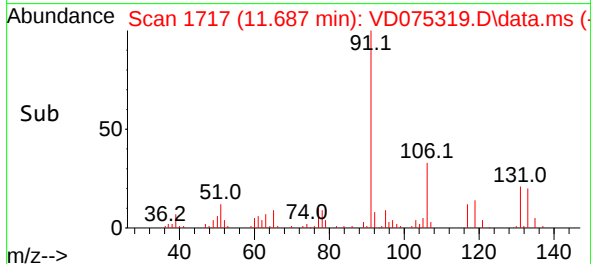
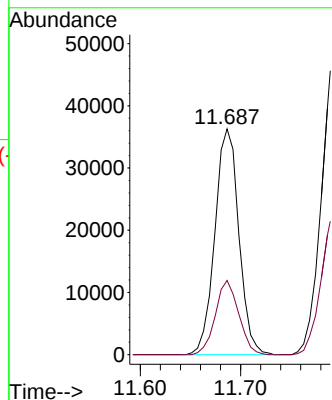
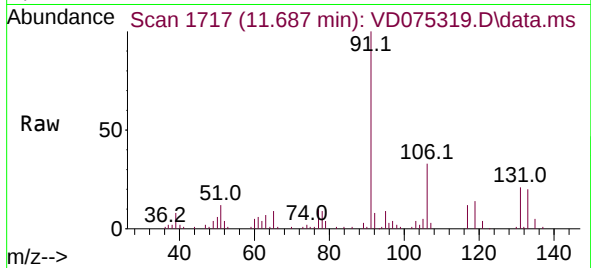




#67  
Ethyl Benzene  
Concen: 19.565 ug/l  
RT: 11.687 min Scan# 1717  
Delta R.T. -0.000 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

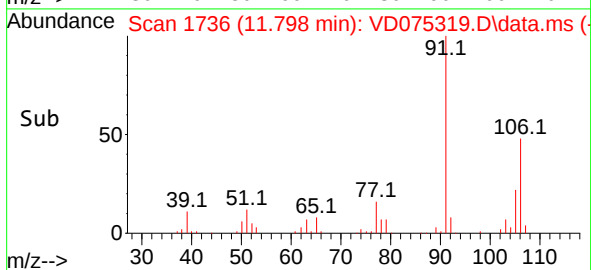
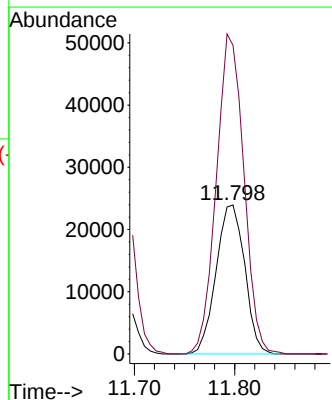
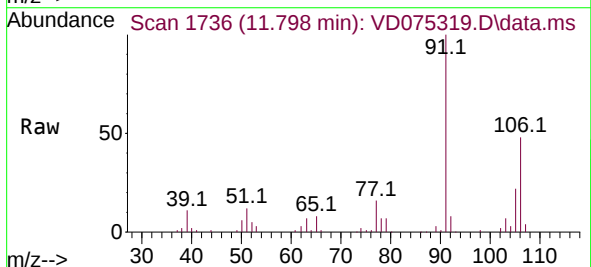
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0213SBS01

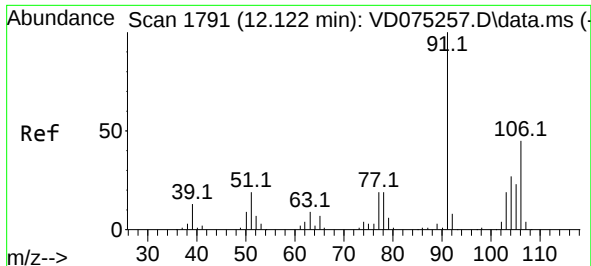
Tgt Ion: 91 Resp: 60214  
Ion Ratio Lower Upper  
91 100  
106 32.9 25.0 37.6



#68  
m/p-Xylenes  
Concen: 40.434 ug/l  
RT: 11.798 min Scan# 1736  
Delta R.T. 0.006 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

Tgt Ion:106 Resp: 47336  
Ion Ratio Lower Upper  
106 100  
91 206.8 160.3 240.5





#69

o-Xylene

Concen: 20.063 ug/l

RT: 12.128 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

Instrument :

MSVOA\_D

ClientSampleId :

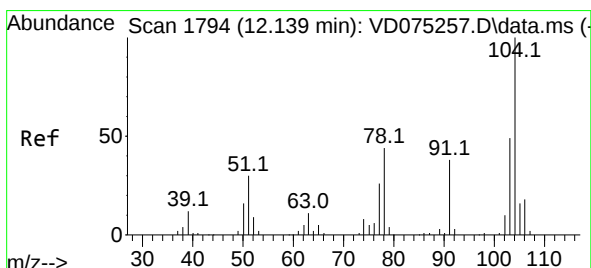
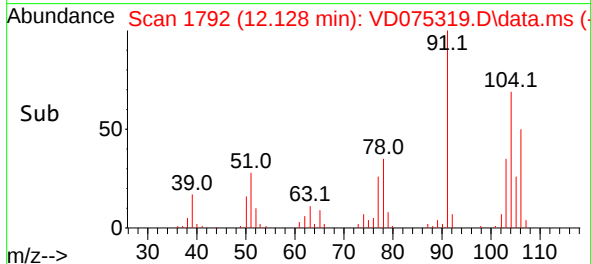
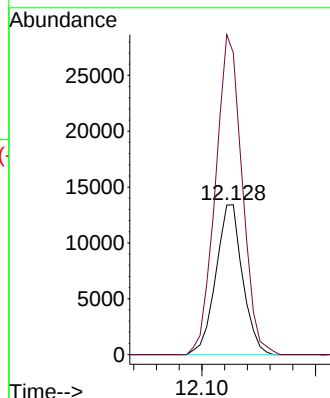
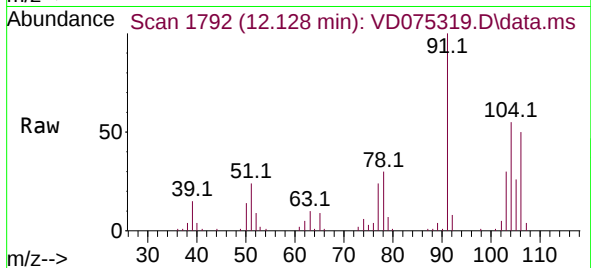
VD0213SBS01

Tgt Ion:106 Resp: 21939

Ion Ratio Lower Upper

106 100

91 213.2 103.6 310.9



#70

Styrene

Concen: 20.597 ug/l

RT: 12.139 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

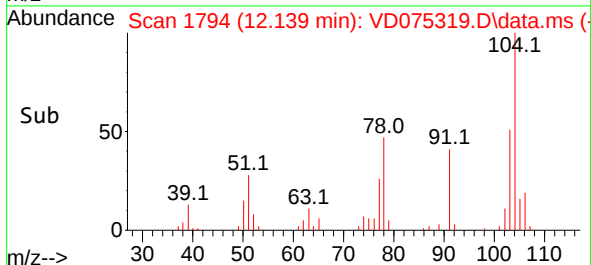
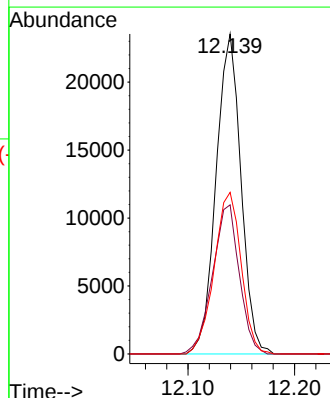
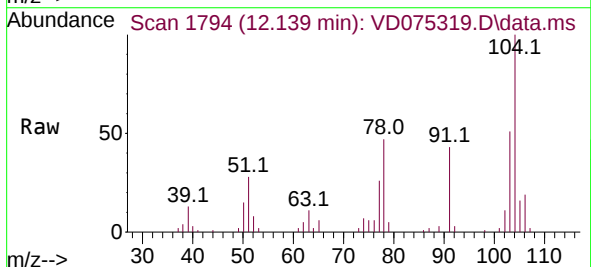
Tgt Ion:104 Resp: 38154

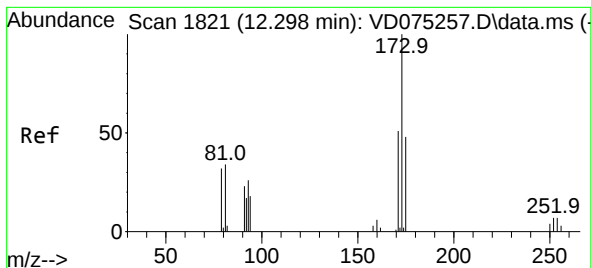
Ion Ratio Lower Upper

104 100

78 50.2 38.9 58.3

103 54.8 43.6 65.4





#71

Bromoform

Concen: 20.239 ug/l

RT: 12.304 min Scan# 1821

Delta R.T. 0.006 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

Instrument :

MSVOA\_D

ClientSampleId :

VD0213SBS01

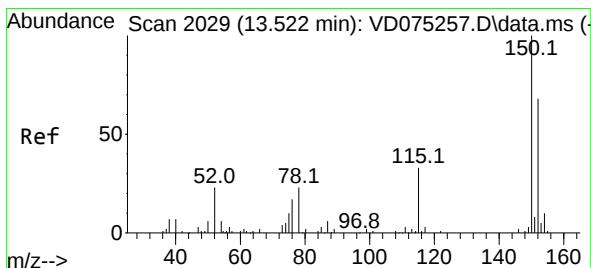
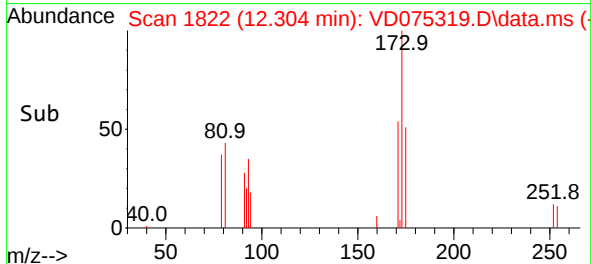
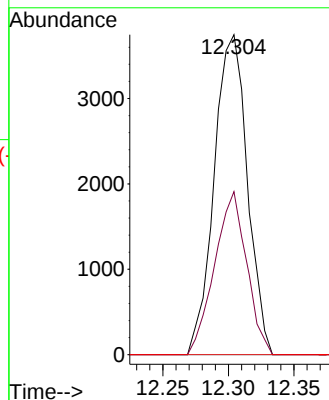
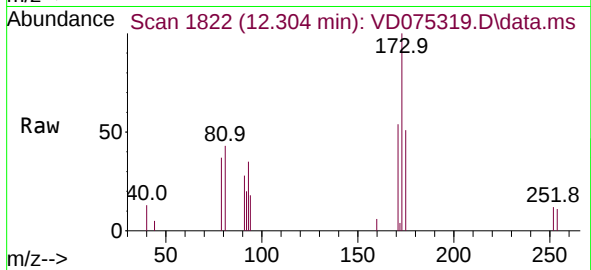
Tgt Ion:173 Resp: 6598

Ion Ratio Lower Upper

173 100

175 49.2 25.4 76.0

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. -0.000 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

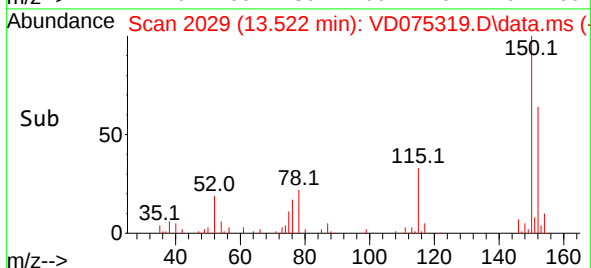
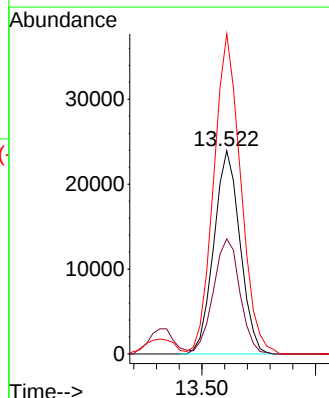
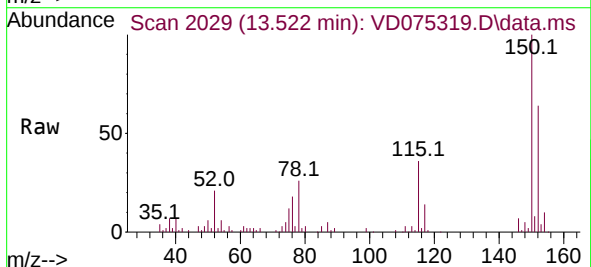
Tgt Ion:152 Resp: 38271

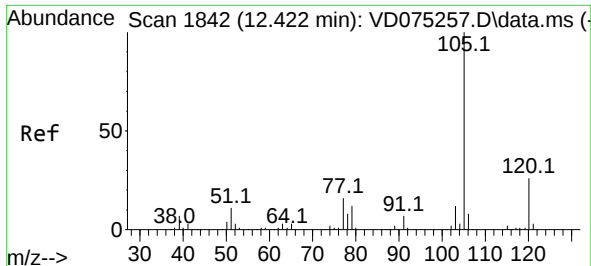
Ion Ratio Lower Upper

152 100

115 57.3 28.8 86.4

150 162.6 0.0 348.6

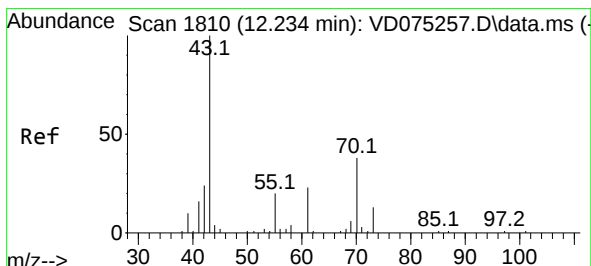
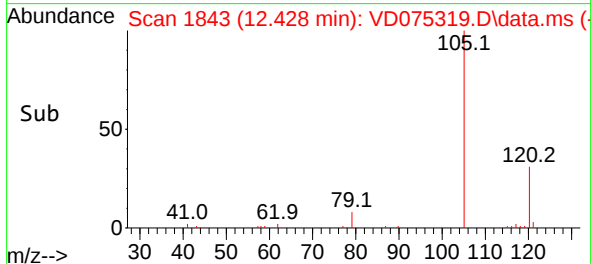
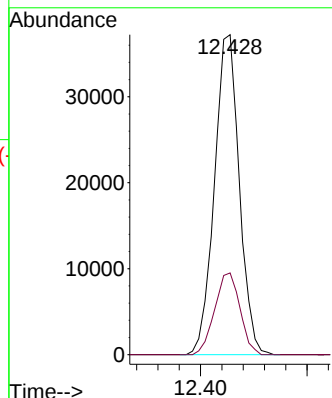
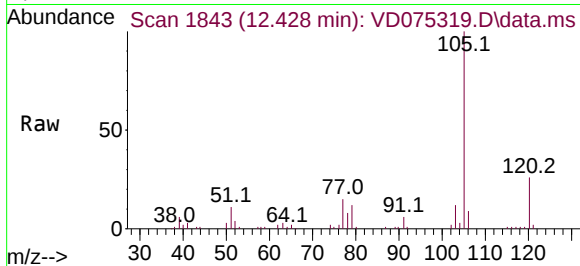




#73  
Isopropylbenzene  
Concen: 19.422 ug/l  
RT: 12.428 min Scan# 1842  
Delta R.T. 0.006 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

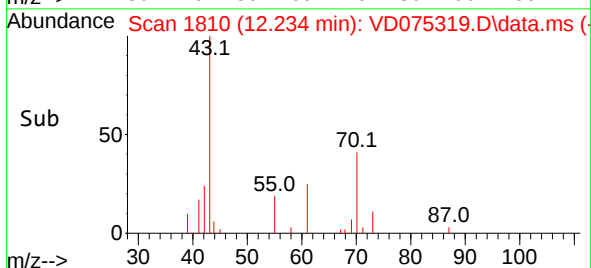
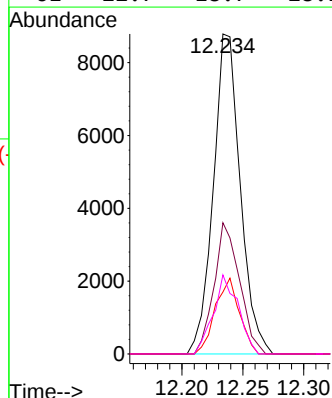
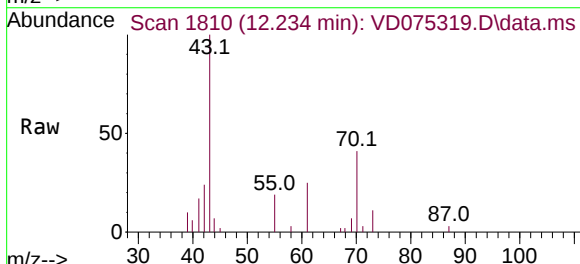
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0213SBS01

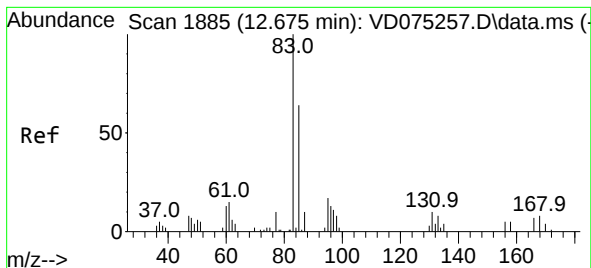
Tgt Ion:105 Resp: 60215  
Ion Ratio Lower Upper  
105 100  
120 26.0 13.7 41.1



#74  
N-ethyl acetate  
Concen: 19.432 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

Tgt Ion: 43 Resp: 13538  
Ion Ratio Lower Upper  
43 100  
70 38.7 32.6 49.0  
55 21.3 17.8 26.8  
61 22.7 18.7 28.1

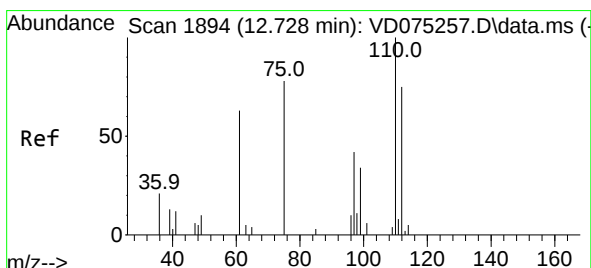
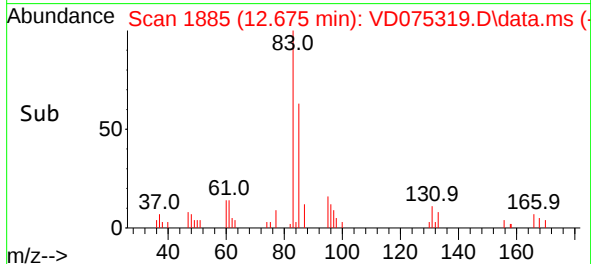
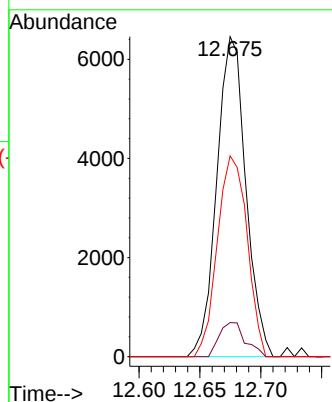
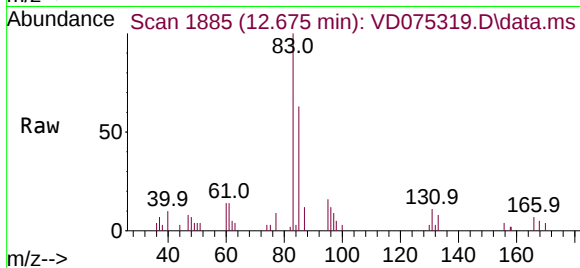




#75  
1,1,2,2-Tetrachloroethane  
Concen: 19.872 ug/l  
RT: 12.675 min Scan# 1885  
Delta R.T. -0.000 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

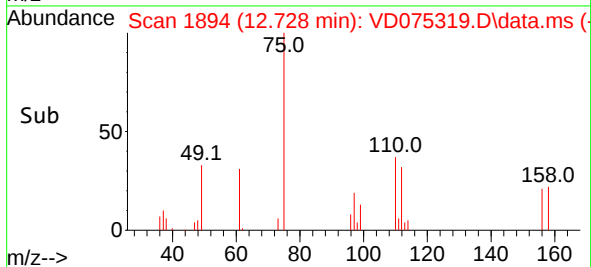
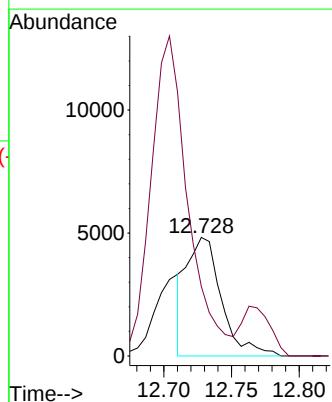
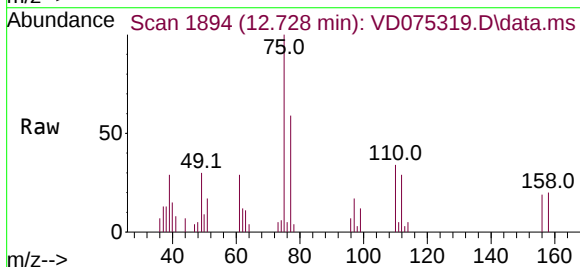
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0213SBS01

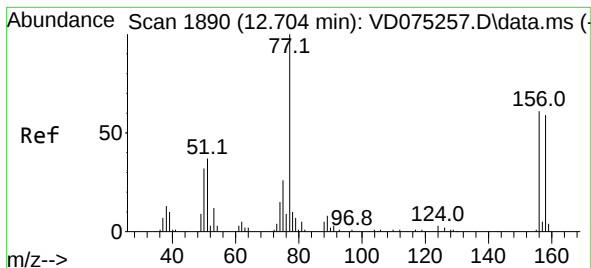
Tgt Ion: 83 Resp: 10719  
Ion Ratio Lower Upper  
83 100  
131 9.5 4.9 14.6  
85 64.1 31.9 95.7



#76  
1,2,3-Trichloropropane  
Concen: 19.791 ug/l m  
RT: 12.728 min Scan# 1894  
Delta R.T. -0.000 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

Tgt Ion: 75 Resp: 8603  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.846 ug/l

RT: 12.704 min Scan# 1890

Delta R.T. 0.000 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

Instrument :

MSVOA\_D

ClientSampleId :

VD0213SBS01

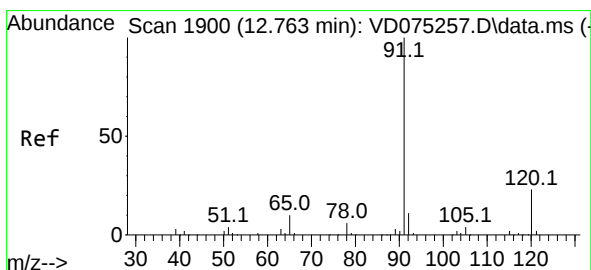
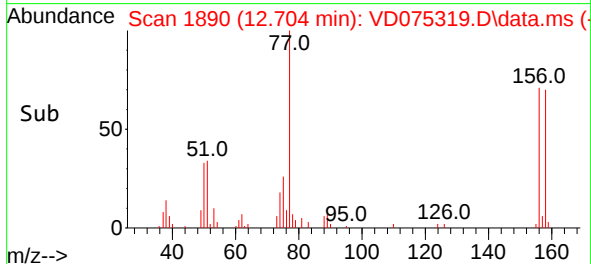
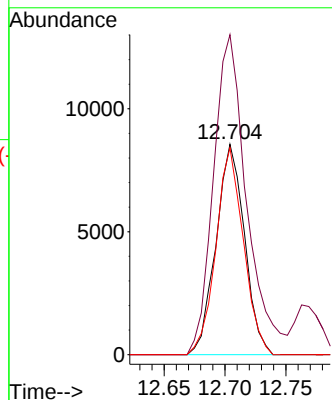
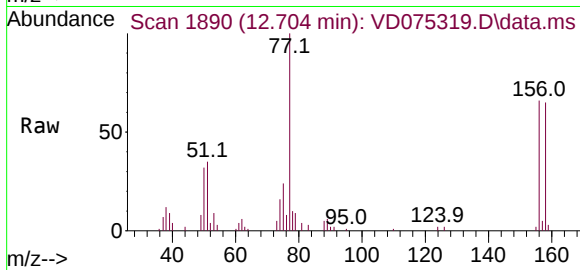
Tgt Ion:156 Resp: 13933

Ion Ratio Lower Upper

156 100

77 177.3 85.6 256.8

158 94.9 47.3 141.9



#78

n-propylbenzene

Concen: 19.777 ug/l

RT: 12.769 min Scan# 1901

Delta R.T. 0.006 min

Lab File: VD075319.D

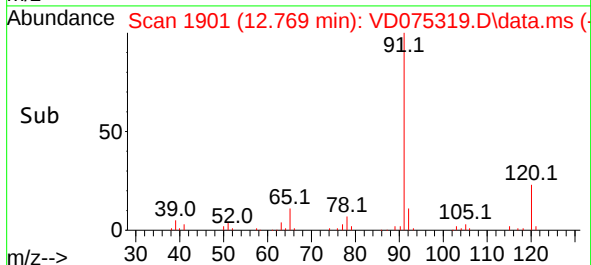
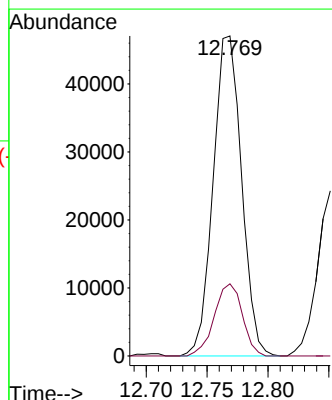
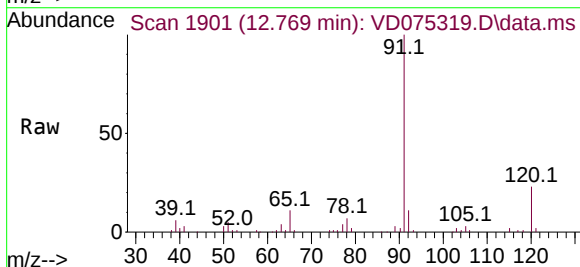
Acq: 13 Feb 2023 11:12

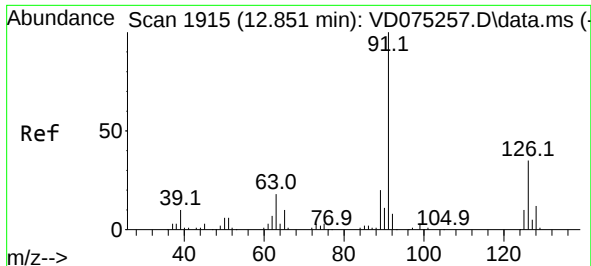
Tgt Ion: 91 Resp: 76297

Ion Ratio Lower Upper

91 100

120 22.3 11.7 35.0

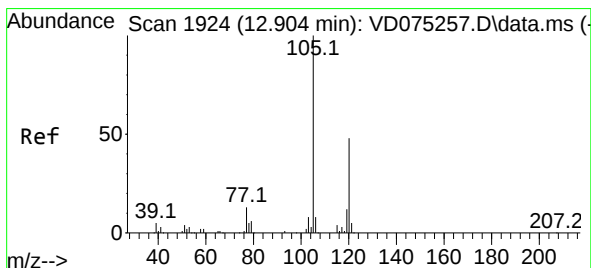
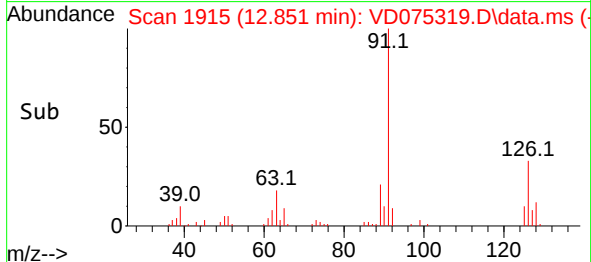
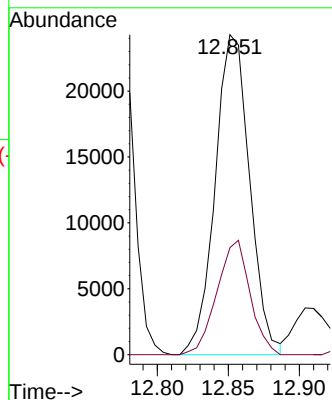
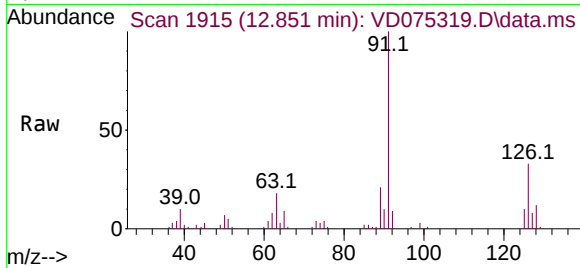




#79  
2-Chlorotoluene  
Concen: 19.435 ug/l  
RT: 12.851 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

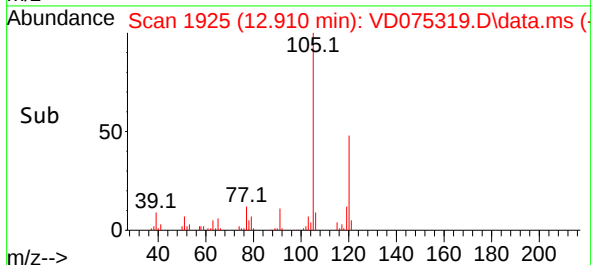
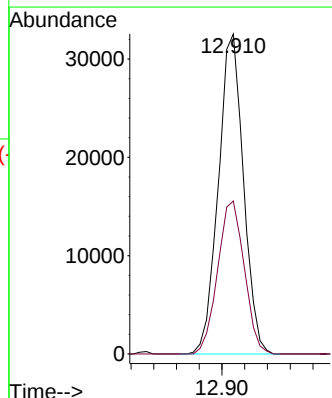
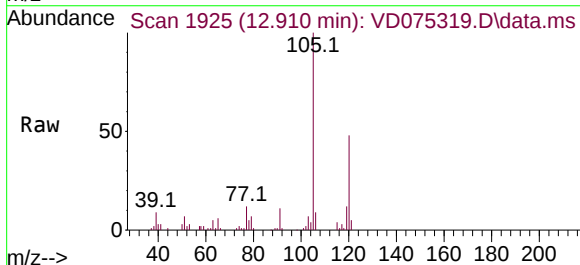
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0213SBS01

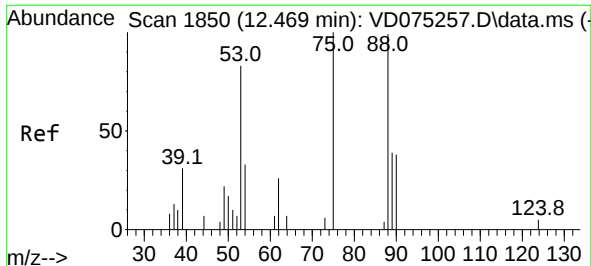
Tgt Ion: 91 Resp: 41127  
Ion Ratio Lower Upper  
91 100  
126 34.2 17.4 52.3



#80  
1,3,5-Trimethylbenzene  
Concen: 19.325 ug/l  
RT: 12.910 min Scan# 1925  
Delta R.T. 0.006 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

Tgt Ion: 105 Resp: 49888  
Ion Ratio Lower Upper  
105 100  
120 50.7 24.6 73.8

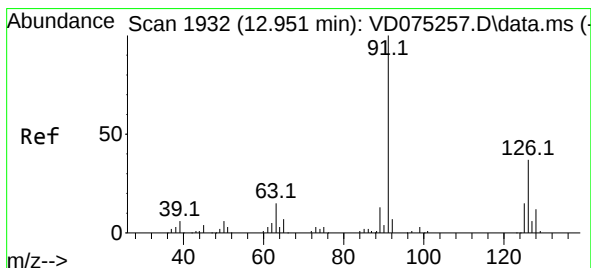
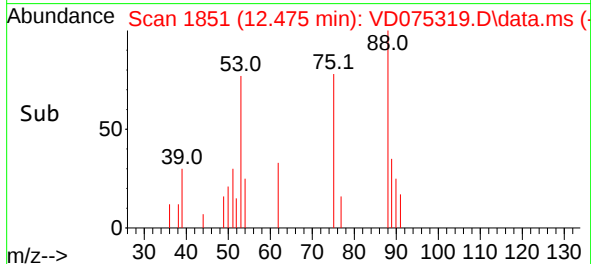
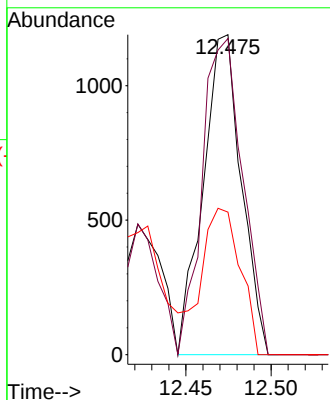
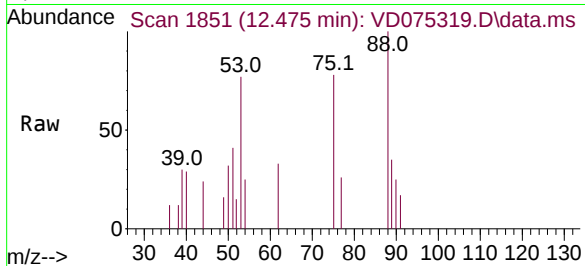




#81  
trans-1,4-Dichloro-2-butene  
Concen: 15.380 ug/l  
RT: 12.475 min Scan# 1850  
Delta R.T. 0.006 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

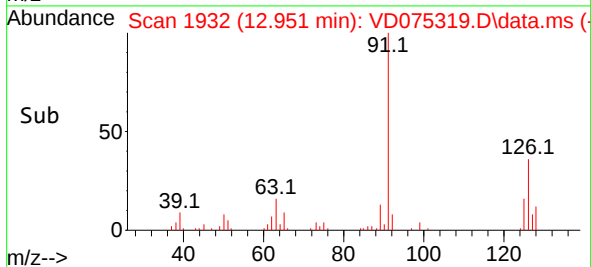
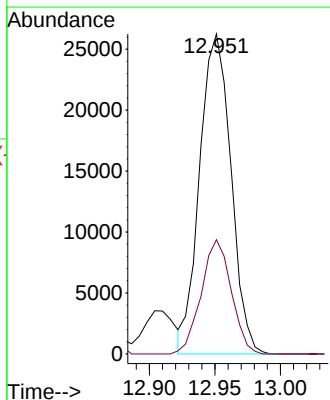
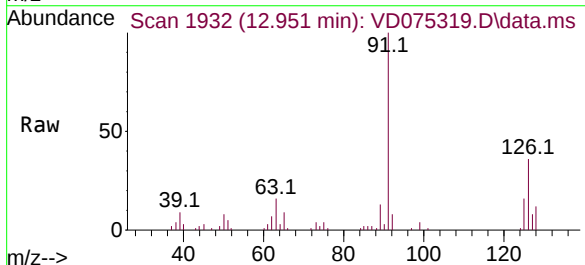
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0213SBS01

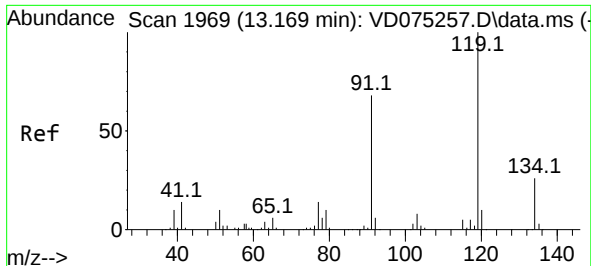
Tgt Ion: 75 Resp: 1857  
Ion Ratio Lower Upper  
75 100  
53 104.5 70.5 105.7  
89 47.2 34.6 52.0



#82  
4-Chlorotoluene  
Concen: 19.750 ug/l  
RT: 12.951 min Scan# 1932  
Delta R.T. 0.000 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

Tgt Ion: 91 Resp: 43597  
Ion Ratio Lower Upper  
91 100  
126 34.2 17.3 52.0

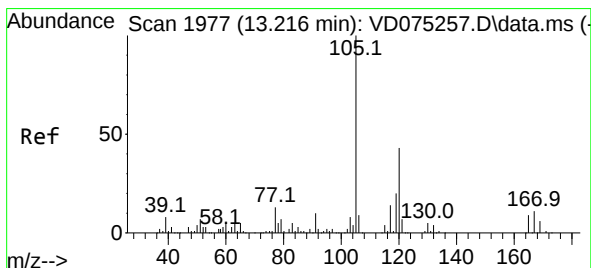
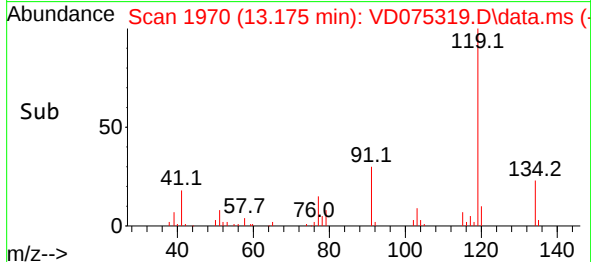
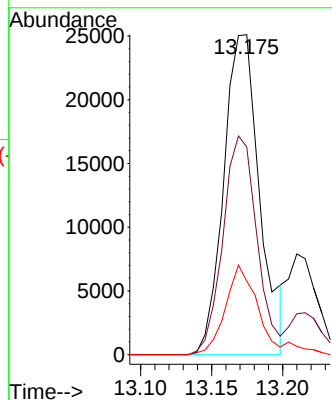
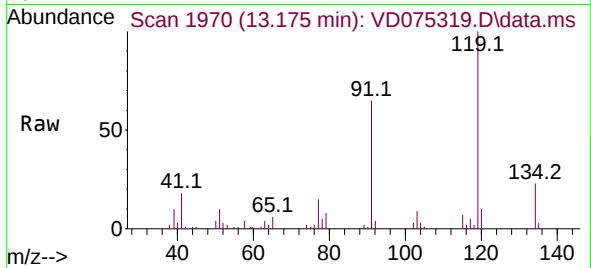




#83  
tert-Butylbenzene  
Concen: 19.877 ug/l  
RT: 13.175 min Scan# 1969  
Delta R.T. 0.006 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

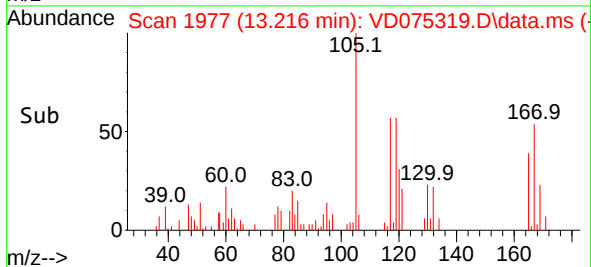
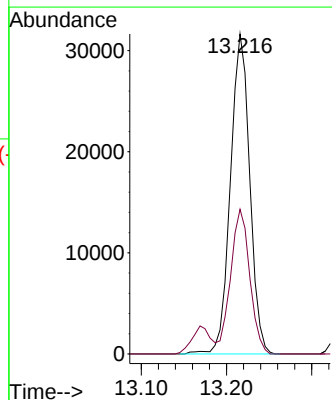
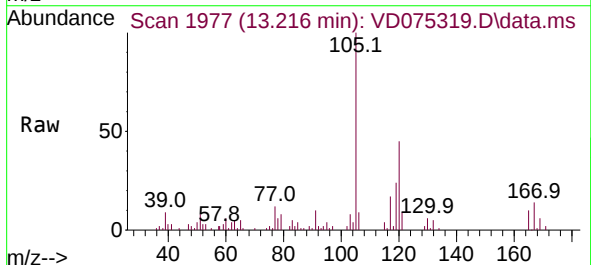
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0213SBS01

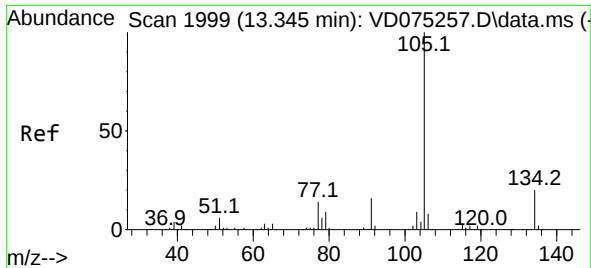
Tgt Ion:119 Resp: 44237  
Ion Ratio Lower Upper  
119 100  
91 64.7 32.9 98.6  
134 26.6 13.3 39.8



#84  
1,2,4-Trimethylbenzene  
Concen: 19.372 ug/l  
RT: 13.216 min Scan# 1977  
Delta R.T. -0.000 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

Tgt Ion:105 Resp: 49948  
Ion Ratio Lower Upper  
105 100  
120 45.0 23.2 69.5

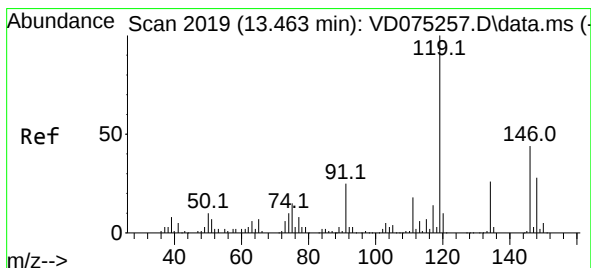
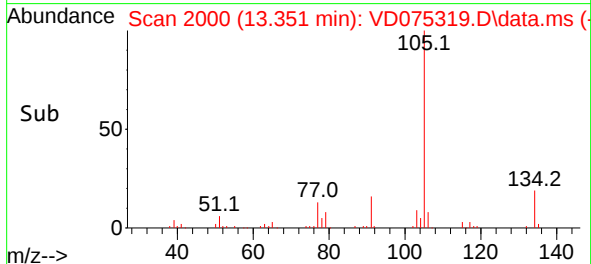
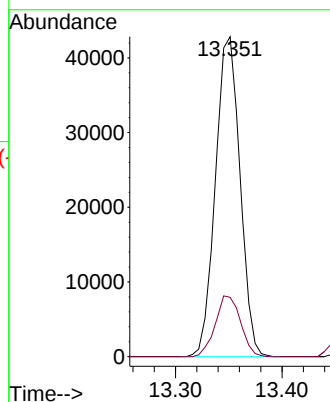
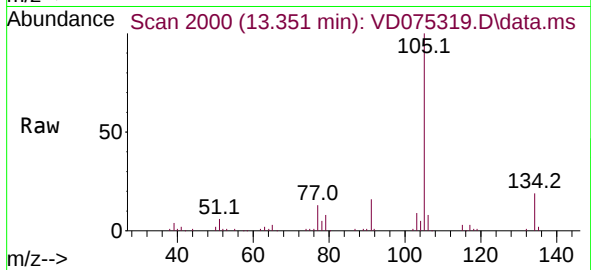




#85  
 sec-Butylbenzene  
 Concen: 20.096 ug/l  
 RT: 13.351 min Scan# 2000  
 Delta R.T. 0.006 min  
 Lab File: VD075319.D  
 Acq: 13 Feb 2023 11:12

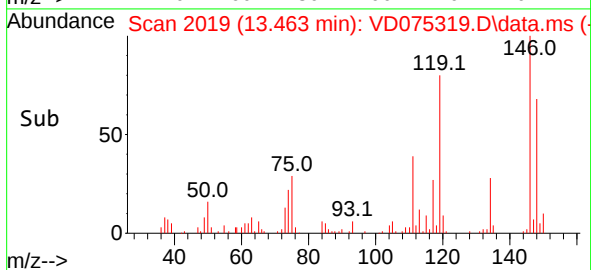
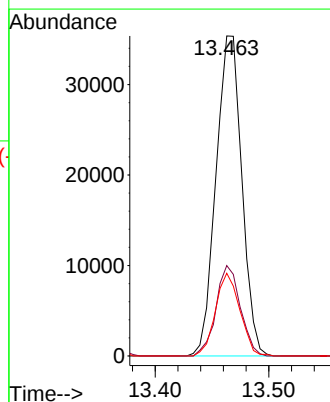
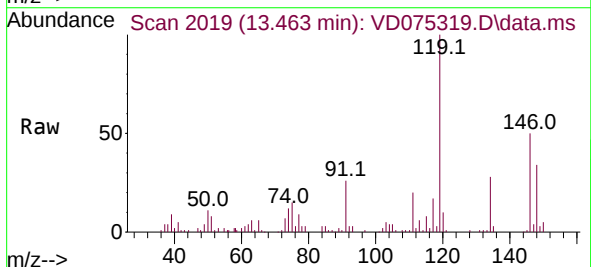
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0213SBS01

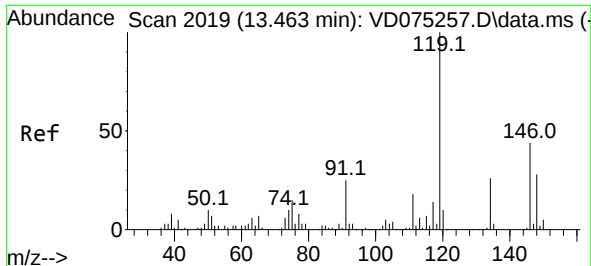
Tgt Ion:105 Resp: 68610  
 Ion Ratio Lower Upper  
 105 100  
 134 19.5 10.4 31.2



#86  
 p-Isopropyltoluene  
 Concen: 20.054 ug/l  
 RT: 13.463 min Scan# 2019  
 Delta R.T. -0.000 min  
 Lab File: VD075319.D  
 Acq: 13 Feb 2023 11:12

Tgt Ion:119 Resp: 56009  
 Ion Ratio Lower Upper  
 119 100  
 134 26.6 13.3 39.8  
 91 24.3 11.9 35.5





#87

1,3-Dichlorobenzene

Concen: 20.490 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

Instrument :

MSVOA\_D

ClientSampleId :

VD0213SBS01

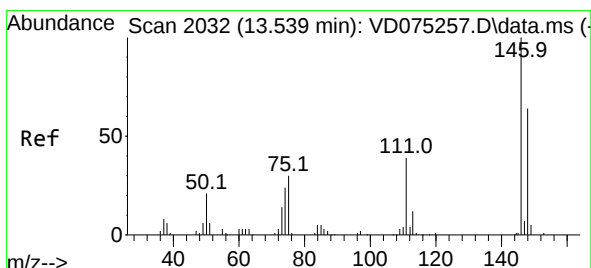
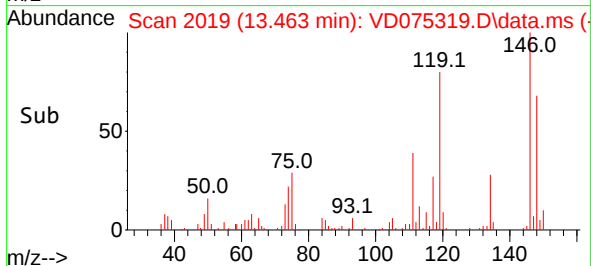
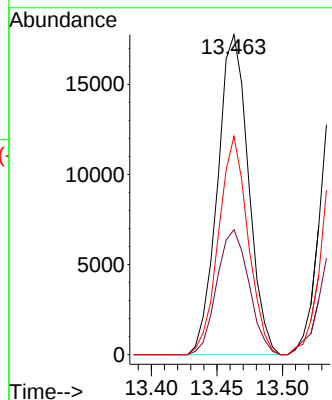
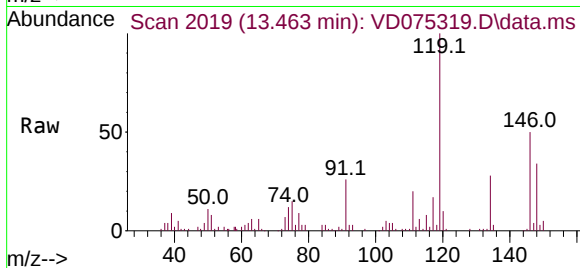
Tgt Ion:146 Resp: 29076

Ion Ratio Lower Upper

146 100

111 40.4 18.9 56.9

148 65.1 31.1 93.3



#88

1,4-Dichlorobenzene

Concen: 20.119 ug/l

RT: 13.539 min Scan# 2032

Delta R.T. 0.000 min

Lab File: VD075319.D

Acq: 13 Feb 2023 11:12

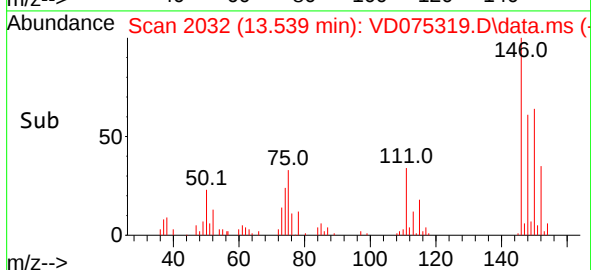
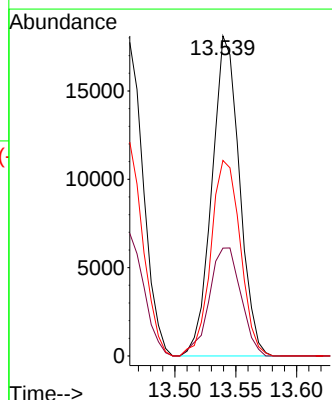
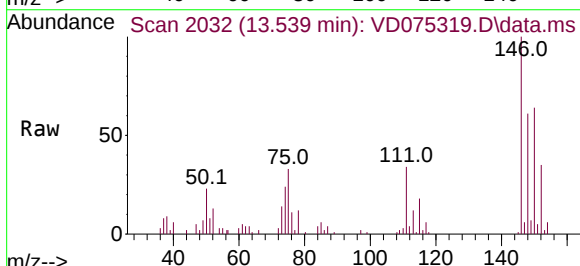
Tgt Ion:146 Resp: 28567

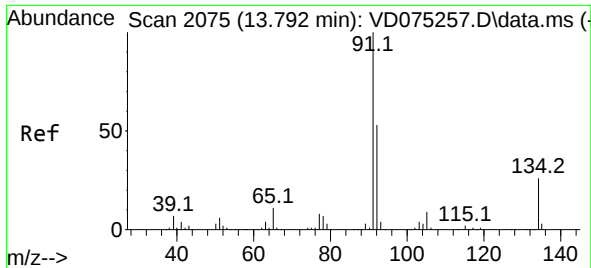
Ion Ratio Lower Upper

146 100

111 38.8 19.7 59.1

148 65.2 31.9 95.5

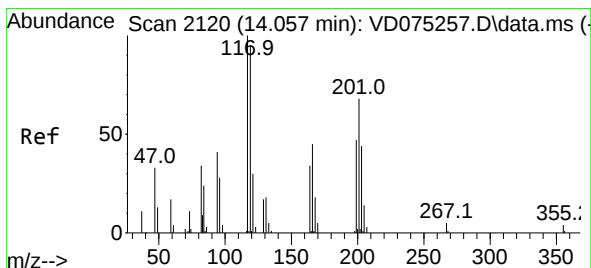
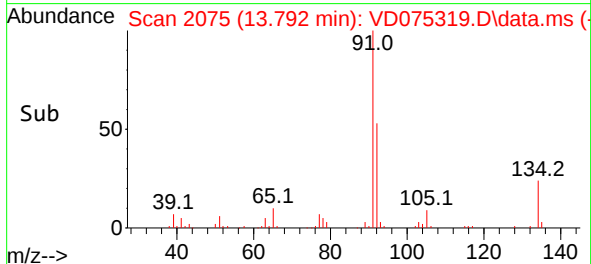
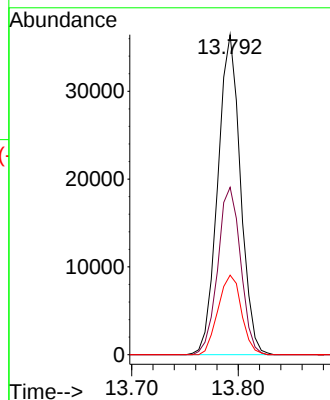
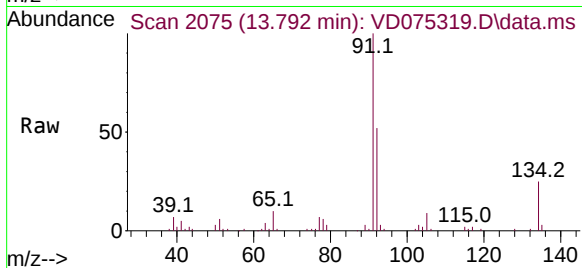




#89  
n-Butylbenzene  
Concen: 19.732 ug/l  
RT: 13.792 min Scan# 2075  
Delta R.T. 0.000 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

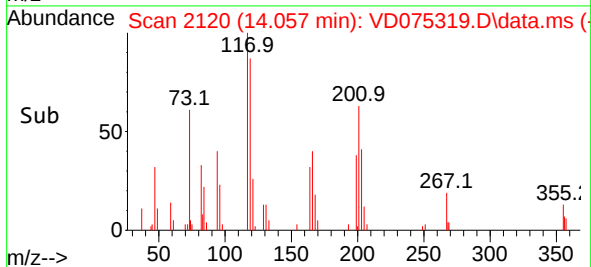
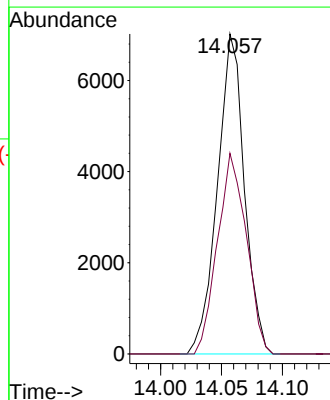
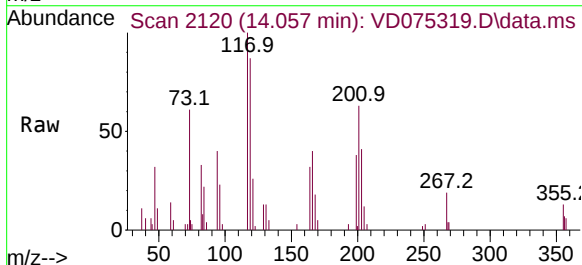
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0213SBS01

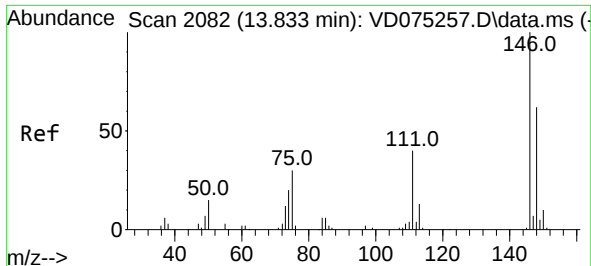
Tgt Ion: 91 Resp: 53802  
Ion Ratio Lower Upper  
91 100  
92 52.7 26.8 80.3  
134 25.7 13.3 39.8



#90  
Hexachloroethane  
Concen: 19.684 ug/l  
RT: 14.057 min Scan# 2120  
Delta R.T. -0.000 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

Tgt Ion: 117 Resp: 10838  
Ion Ratio Lower Upper  
117 100  
201 67.1 35.1 105.5

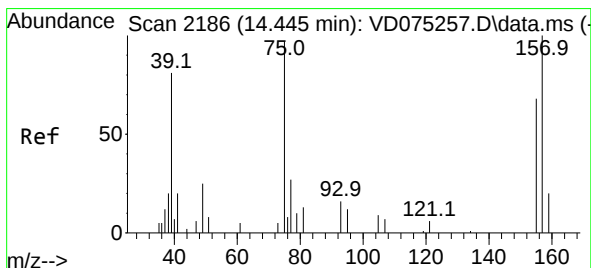
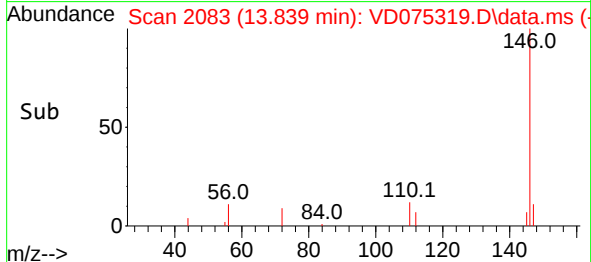
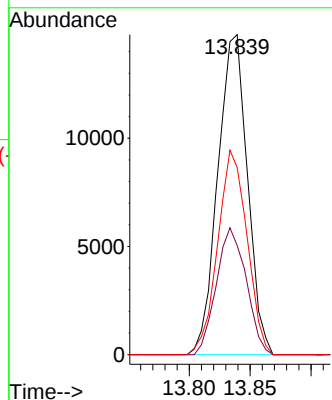
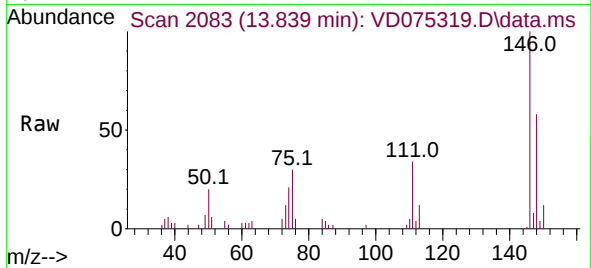




#91  
1,2-Dichlorobenzene  
Concen: 20.338 ug/l  
RT: 13.839 min Scan# 2082  
Delta R.T. 0.006 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

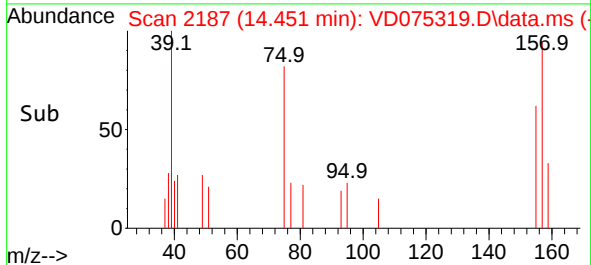
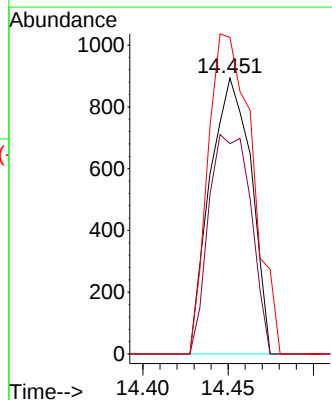
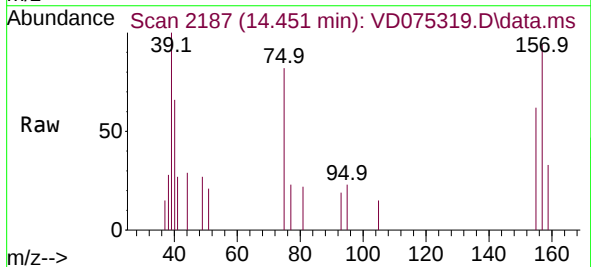
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0213SBS01

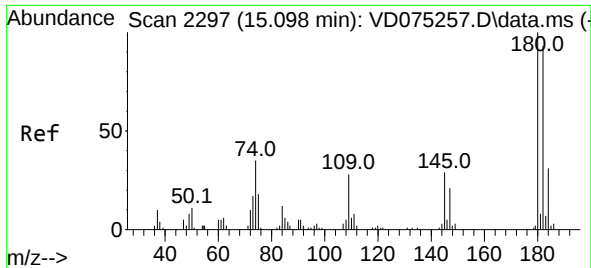
Tgt Ion:146 Resp: 25041  
Ion Ratio Lower Upper  
146 100  
111 39.8 20.4 61.2  
148 63.3 31.9 95.5



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 17.929 ug/l  
RT: 14.451 min Scan# 2187  
Delta R.T. 0.006 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

Tgt Ion: 75 Resp: 1500  
Ion Ratio Lower Upper  
75 100  
155 81.5 43.4 130.2  
157 124.5 56.4 169.2

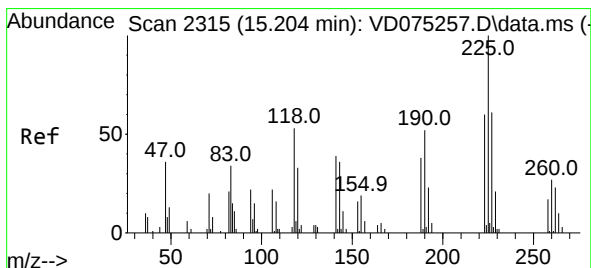
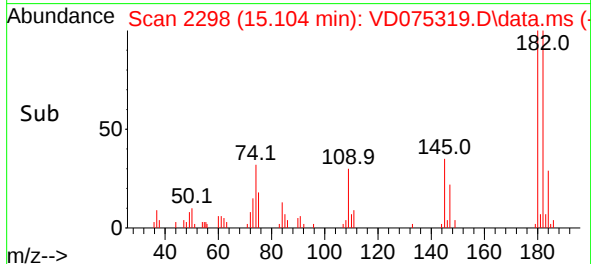
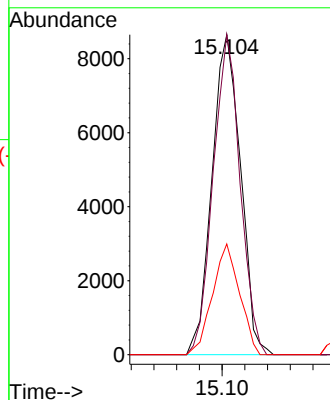
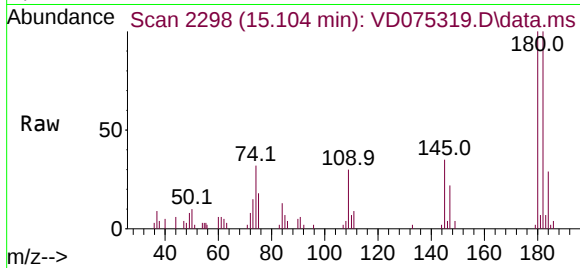




#93  
1,2,4-Trichlorobenzene  
Concen: 19.552 ug/l  
RT: 15.104 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

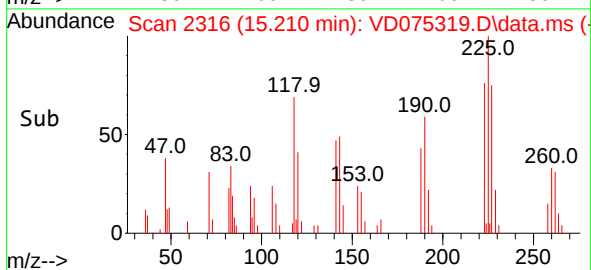
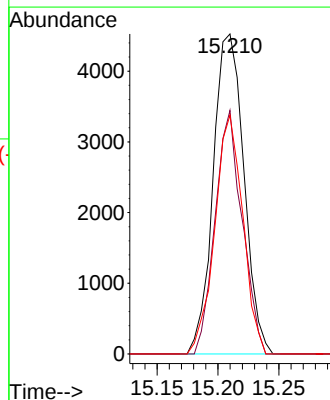
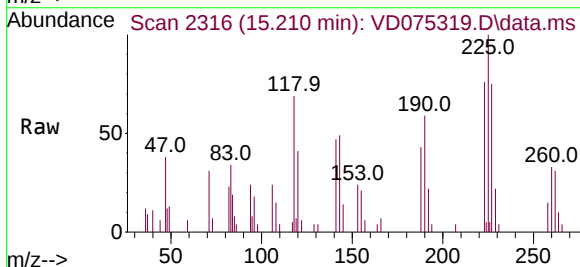
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0213SBS01

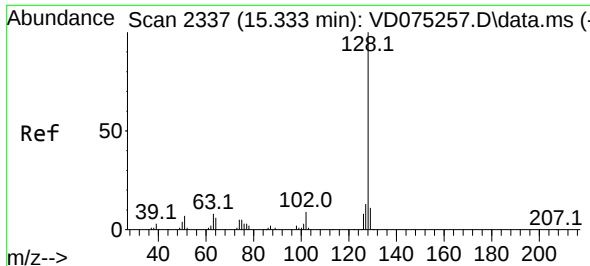
Tgt Ion:180 Resp: 15077  
Ion Ratio Lower Upper  
180 100  
182 94.5 46.2 138.6  
145 32.8 15.8 47.4



#94  
Hexachlorobutadiene  
Concen: 19.504 ug/l  
RT: 15.210 min Scan# 2316  
Delta R.T. 0.006 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

Tgt Ion:225 Resp: 7935  
Ion Ratio Lower Upper  
225 100  
223 67.0 31.8 95.4  
227 68.1 30.7 92.1

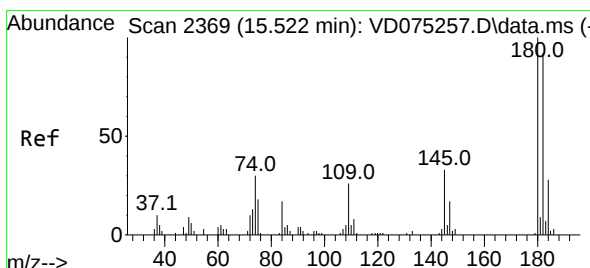
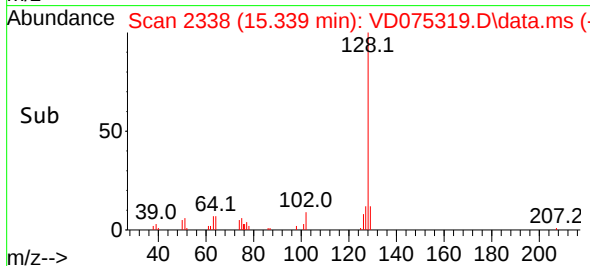
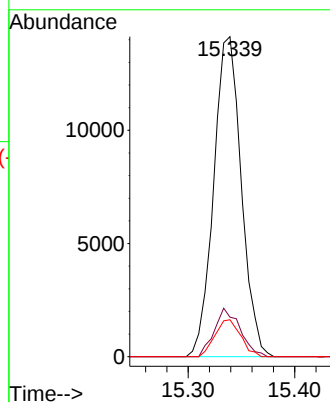
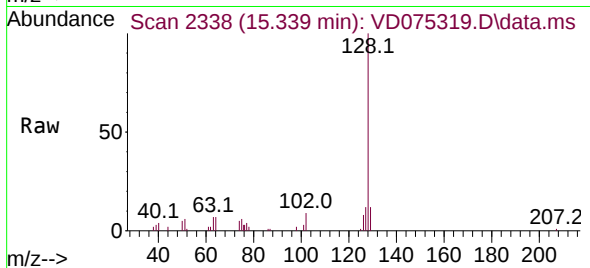




#95  
Naphthalene  
Concen: 17.730 ug/l  
RT: 15.339 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0213SBS01

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 25447     |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 14.2  | 10.6 15.8 |
| 129         | 10.8  | 8.7 13.1  |



#96  
1,2,3-Trichlorobenzene  
Concen: 19.659 ug/l  
RT: 15.528 min Scan# 2370  
Delta R.T. 0.005 min  
Lab File: VD075319.D  
Acq: 13 Feb 2023 11:12

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 13080      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 94.5  | 47.0 141.0 |
| 145         | 32.5  | 16.1 48.3  |

