

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042123\  
 Data File : VD075768.D  
 Acq On : 21 Apr 2023 10:19  
 Operator : KP/SY  
 Sample : VSTDCCC025  
 Misc : 5.00G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025128

Quant Time: Apr 22 03:49:27 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM042023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Apr 21 05:54:09 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 382846   | 25.000   | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 350929   | 25.000   | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.522 | 152   | 194427   | 25.000   | ug/L       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 2.275  | 65    | 238228   | 28.365   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | = 113.480% |          |
| 7) Chloroethane-d5            | 2.805  | 69    | 197739   | 27.249   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | = 109.000% |          |
| 11) 1,1-Dichloroethene-d2     | 3.916  | 65    | 52519    | 27.124   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | = 108.480% |          |
| 21) 2-Butanone-d5             | 6.987  | 46    | 34964    | 47.955   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | = 95.900%  |          |
| 24) Chloroform-d              | 7.569  | 84    | 249810   | 26.093   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | = 104.360% |          |
| 26) 1,2-Dichloroethane-d4     | 8.234  | 65    | 105720   | 25.859   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | = 103.440% |          |
| 32) Benzene-d6                | 8.204  | 84    | 542342   | 26.516   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | = 106.080% |          |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 145674   | 25.731   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | = 102.920% |          |
| 41) Toluene-d8                | 10.269 | 98    | 519463   | 27.128   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | = 108.520% |          |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79    | 62179    | 26.571   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | = 106.280% |          |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 34362    | 50.409   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | = 100.820% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 111492   | 25.736   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | = 102.960% |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 152045   | 22.109   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | = 88.440%  |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.934  | 85    | 158859   | 30.100   | ug/L       | 100      |
| 3) Chloromethane              | 2.146  | 50    | 199734   | 27.147   | ug/L       | 96       |
| 5) Vinyl chloride             | 2.287  | 62    | 277119   | 28.819   | ug/L       | 98       |
| 6) Bromomethane               | 2.699  | 94    | 181853   | 28.145   | ug/L       | 100      |
| 8) Chloroethane               | 2.840  | 64    | 172724   | 27.774   | ug/L       | 98       |
| 9) Trichlorofluoromethane     | 3.175  | 101   | 223734   | 28.958   | ug/L       | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.963  | 101   | 154846   | 29.832   | ug/L       | 100      |
| 12) 1,1-Dichloroethene        | 3.940  | 96    | 143793   | 28.565   | ug/L       | 94       |
| 13) Acetone                   | 4.022  | 43    | 32975    | 52.849   | ug/L       | 97       |
| 14) Carbon disulfide          | 4.275  | 76    | 496897   | 28.261   | ug/L       | 100      |
| 15) Methyl Acetate            | 4.558  | 43    | 35286    | 26.095   | ug/L #     | 60       |
| 16) Methylene chloride        | 4.799  | 84    | 165351   | 21.290   | ug/L       | 98       |
| 17) trans-1,2-Dichloroethene  | 5.310  | 96    | 155151   | 27.488   | ug/L       | 98       |
| 18) Methyl tert-butyl Ether   | 5.316  | 73    | 234237   | 25.871   | ug/L       | 100      |
| 19) 1,1-Dichloroethane        | 6.116  | 63    | 224111   | 27.103   | ug/L       | 97       |
| 20) cis-1,2-Dichloroethene    | 7.081  | 96    | 158452   | 26.549   | ug/L       | 95       |
| 22) 2-Butanone                | 7.087  | 43    | 44699    | 54.951   | ug/L       | 98       |
| 23) Bromochloromethane        | 7.428  | 128   | 73073    | 26.400   | ug/L       | 97       |
| 25) Chloroform                | 7.593  | 83    | 246480   | 26.597   | ug/L       | 98       |

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 ALS Vial : 2 Sample Multiplier: 1

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 ClientSampleId :  
 VSTD025128

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM042023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Apr 21 05:54:09 2023  
 Response via : Initial Calibration

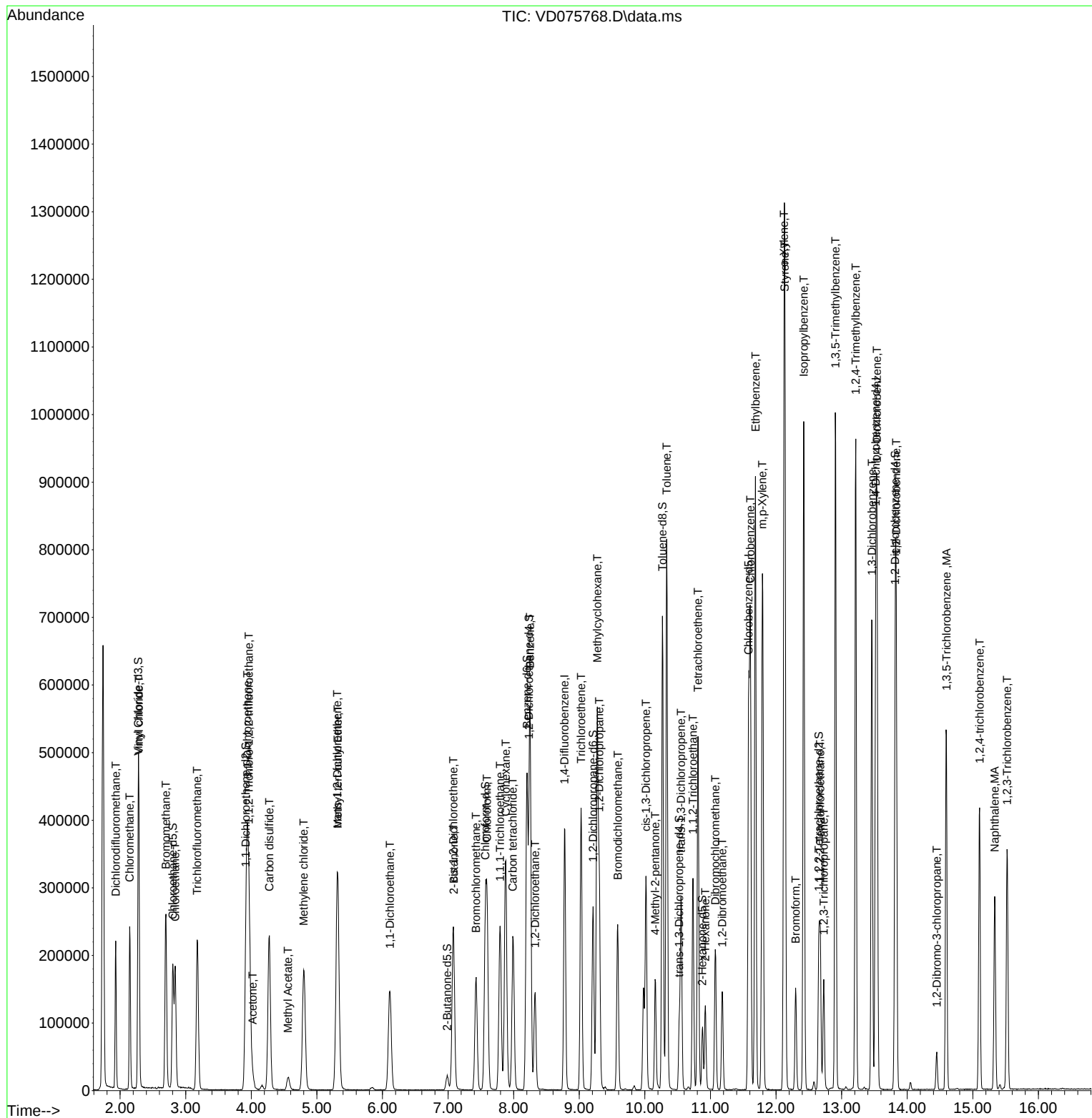
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.328  | 62   | 125762   | 26.291 | ug/L  | 98       |
| 29) Cyclohexane               | 7.881  | 56   | 186406   | 31.029 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 208374   | 28.064 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 7.987  | 117  | 175726   | 29.500 | ug/L  | 98       |
| 33) Benzene                   | 8.252  | 78   | 586331   | 27.622 | ug/L  | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 152823   | 27.839 | ug/L  | 97       |
| 35) Methylcyclohexane         | 9.275  | 83   | 262221   | 30.982 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 132419   | 27.157 | ug/L  | 98       |
| 38) Bromodichloromethane      | 9.587  | 83   | 173957   | 26.459 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 205817   | 26.541 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 97266    | 54.711 | ug/L  | 99       |
| 42) Toluene                   | 10.334 | 91   | 660459   | 28.751 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 10.551 | 75   | 169257   | 27.170 | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 108167   | 26.075 | ug/L  | 95       |
| 46) Tetrachloroethene         | 10.810 | 164  | 127125   | 28.234 | ug/L  | 95       |
| 48) 2-Hexanone                | 10.922 | 43   | 72111    | 57.536 | ug/L  | 94       |
| 49) Dibromochloromethane      | 11.075 | 129  | 119540   | 26.470 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 101489   | 27.137 | ug/L  | 98       |
| 51) Chlorobenzene             | 11.610 | 112  | 410980   | 27.348 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.687 | 91   | 683888   | 29.033 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.792 | 106  | 274999   | 29.319 | ug/L  | 97       |
| 54) o-Xylene                  | 12.122 | 106  | 258243   | 28.987 | ug/L  | 98       |
| 55) Styrene                   | 12.134 | 104  | 451763   | 29.135 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 110874   | 26.269 | ug/L  | 98       |
| 59) Bromoform                 | 12.298 | 173  | 69781    | 23.418 | ug/L  | 97       |
| 60) Isopropylbenzene          | 12.422 | 105  | 665946   | 25.831 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.728 | 75   | 69112    | 22.628 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 548224   | 28.518 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 525266   | 28.345 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.463 | 146  | 333218   | 27.013 | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 13.539 | 146  | 339729   | 26.242 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 13.834 | 146  | 264021   | 23.968 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.451 | 75   | 13873    | 22.721 | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 14.598 | 180  | 178444   | 21.583 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.104 | 180  | 144447   | 21.082 | ug/L  | 99       |
| 71) Naphthalene               | 15.333 | 128  | 270003   | 21.534 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 130367   | 21.316 | ug/L  | 98       |

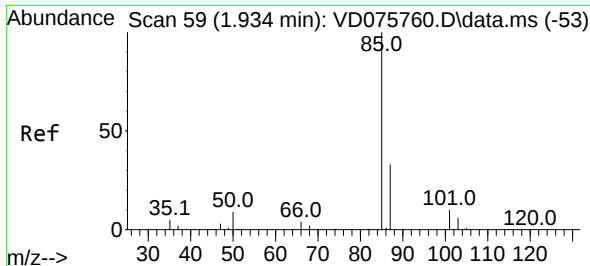
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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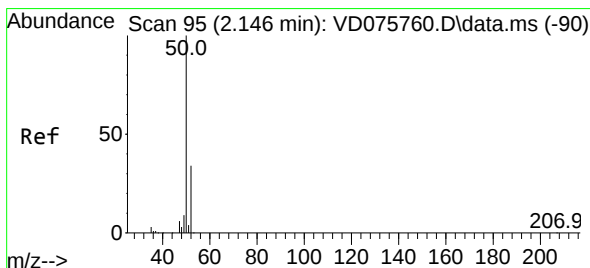
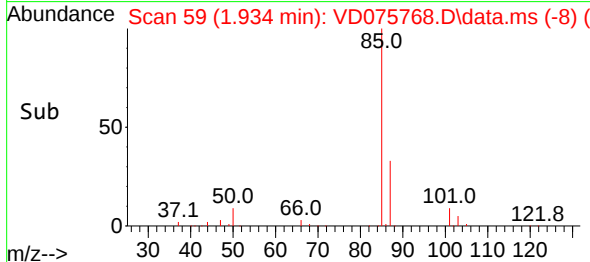
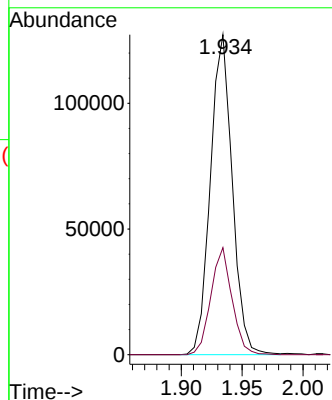
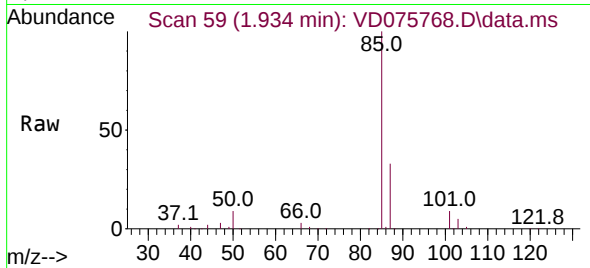




#2  
 Dichlorodifluoromethane  
 Concen: 30.100 ug/L  
 RT: 1.934 min Scan# 59  
 Delta R.T. -0.000 min  
 Lab File: VD075768.D  
 Acq: 21 Apr 2023 10:19

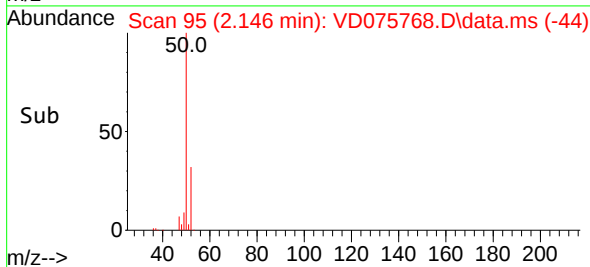
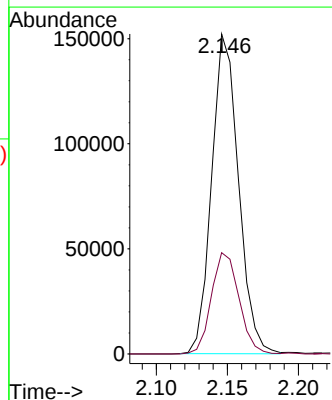
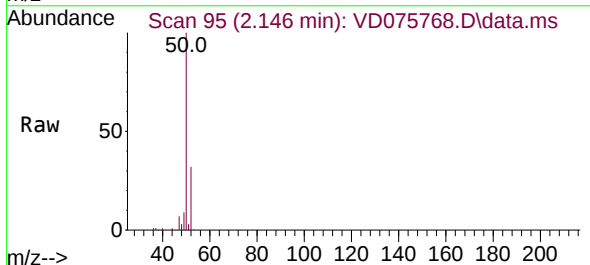
Instrument :  
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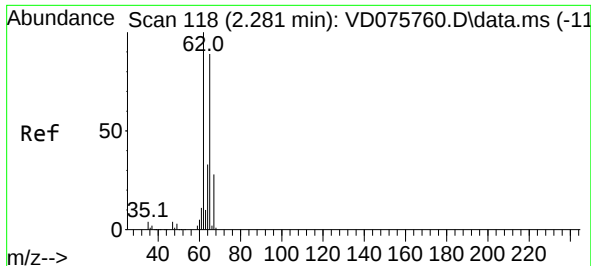
Tgt Ion: 85 Resp: 158859  
 Ion Ratio Lower Upper  
 85 100  
 87 32.2 25.8 38.8



#3  
 Chloromethane  
 Concen: 27.147 ug/L  
 RT: 2.146 min Scan# 95  
 Delta R.T. -0.000 min  
 Lab File: VD075768.D  
 Acq: 21 Apr 2023 10:19

Tgt Ion: 50 Resp: 199734  
 Ion Ratio Lower Upper  
 50 100  
 52 31.6 23.7 44.1

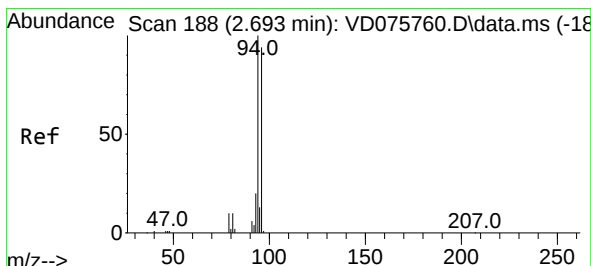
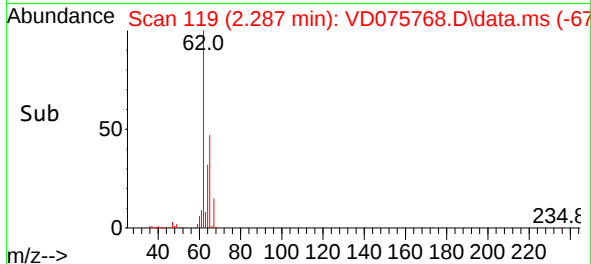
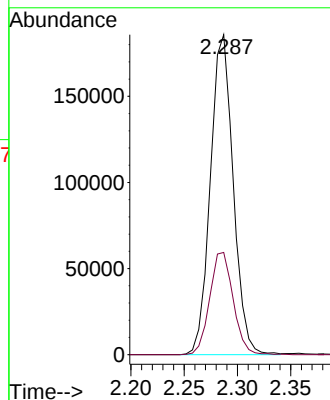
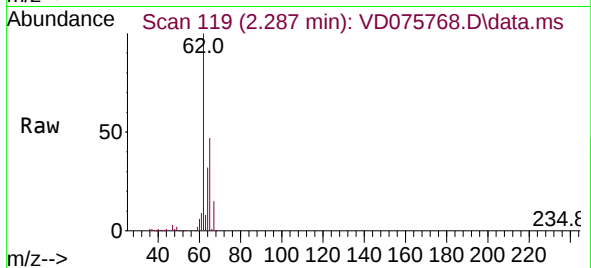




#5  
 Vinyl chloride  
 Concen: 28.819 ug/L  
 RT: 2.287 min Scan# 118  
 Delta R.T. 0.006 min  
 Lab File: VD075768.D  
 Acq: 21 Apr 2023 10:19

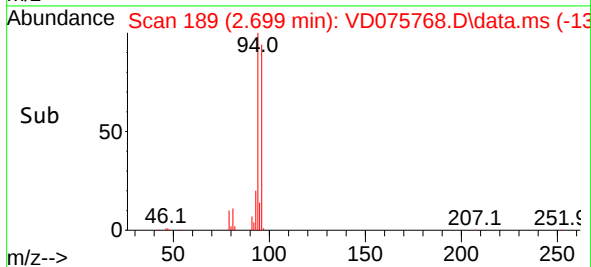
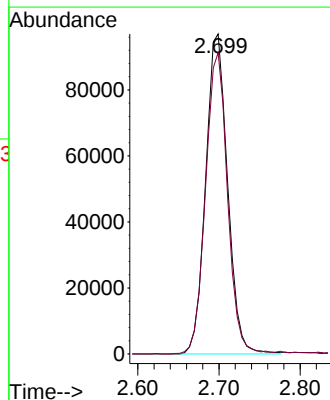
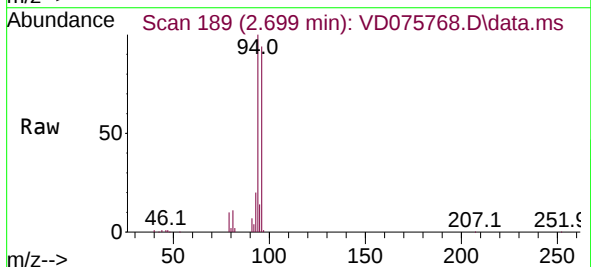
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
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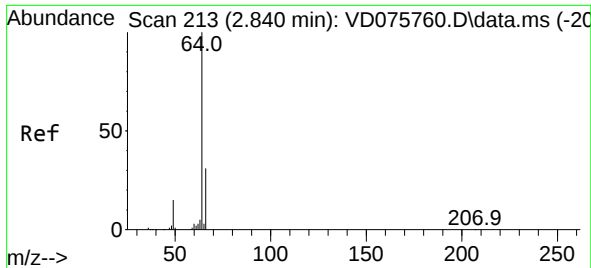
Tgt Ion: 62 Resp: 277119  
 Ion Ratio Lower Upper  
 62 100  
 64 31.9 23.2 43.0



#6  
 Bromomethane  
 Concen: 28.145 ug/L  
 RT: 2.699 min Scan# 189  
 Delta R.T. 0.006 min  
 Lab File: VD075768.D  
 Acq: 21 Apr 2023 10:19

Tgt Ion: 94 Resp: 181853  
 Ion Ratio Lower Upper  
 94 100  
 96 94.1 65.7 121.9

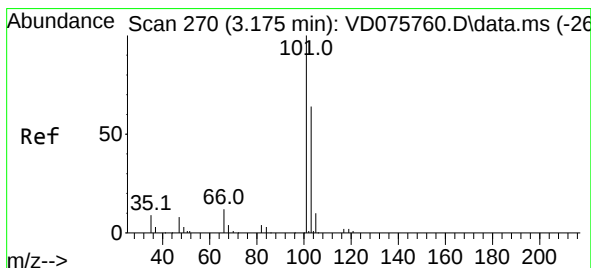
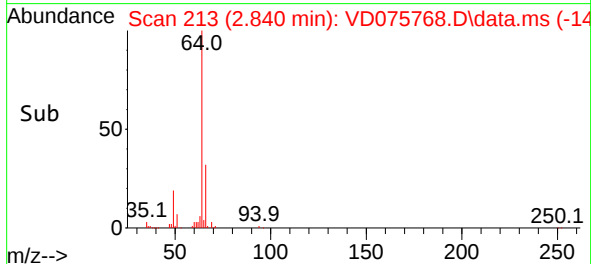
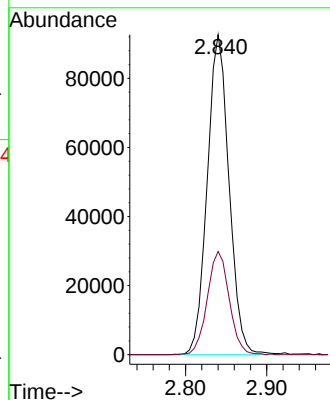
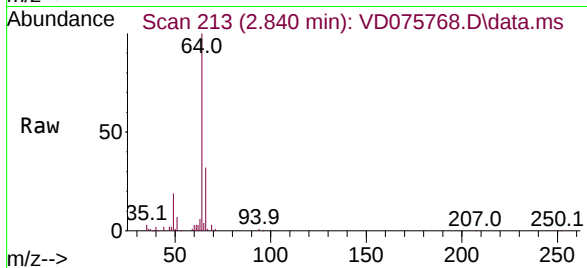




#8  
Chloroethane  
Concen: 27.774 ug/L  
RT: 2.840 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

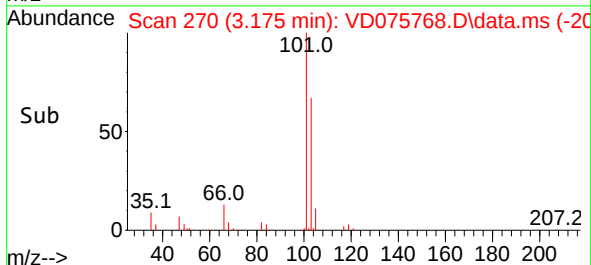
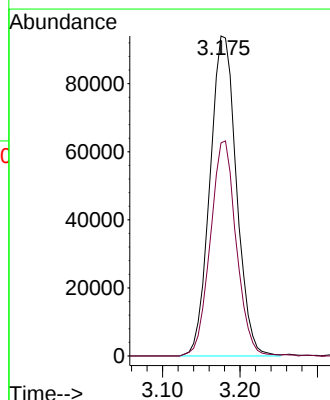
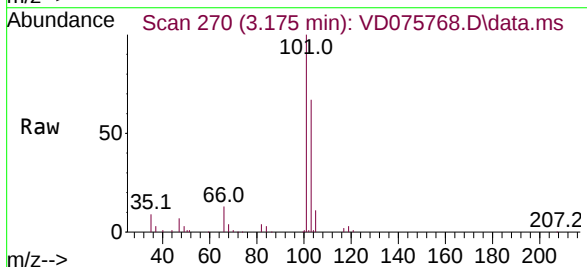
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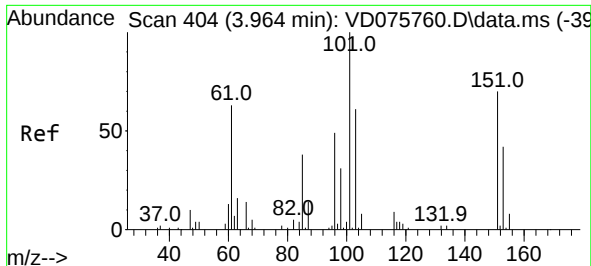
Tgt Ion: 64 Resp: 172724  
Ion Ratio Lower Upper  
64 100  
66 32.2 21.8 40.4



#9  
Trichlorofluoromethane  
Concen: 28.958 ug/L  
RT: 3.175 min Scan# 270  
Delta R.T. -0.000 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

Tgt Ion:101 Resp: 223734  
Ion Ratio Lower Upper  
101 100  
103 65.5 52.2 78.4

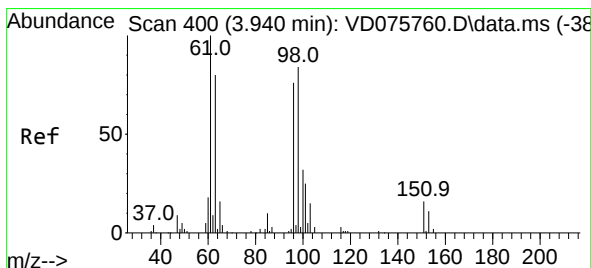
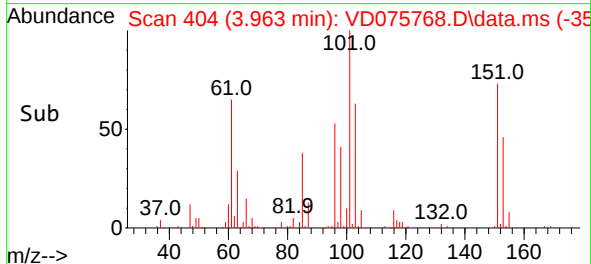
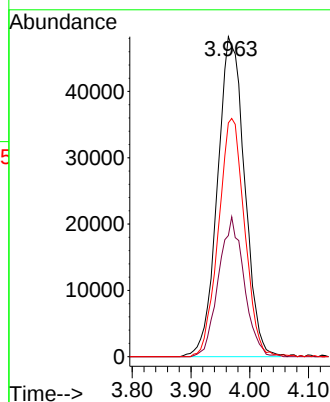
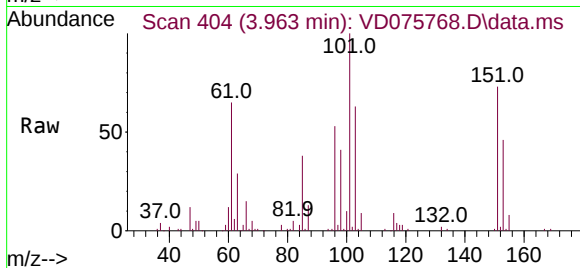




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 29.832 ug/L  
 RT: 3.963 min Scan# 404  
 Delta R.T. -0.000 min  
 Lab File: VD075768.D  
 Acq: 21 Apr 2023 10:19

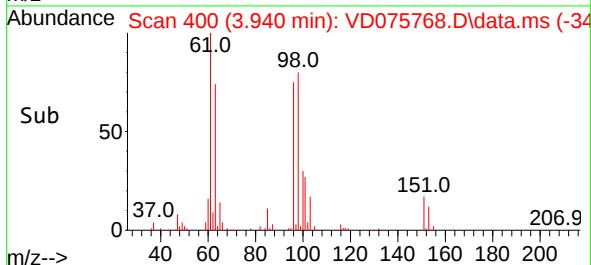
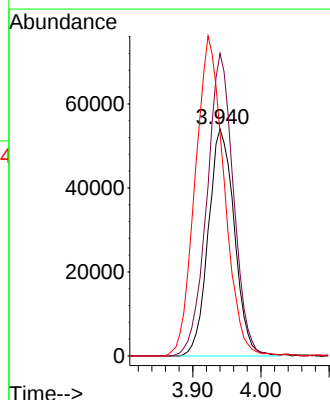
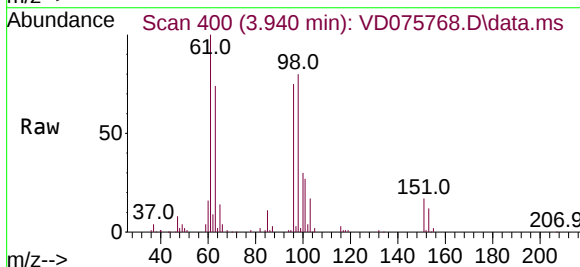
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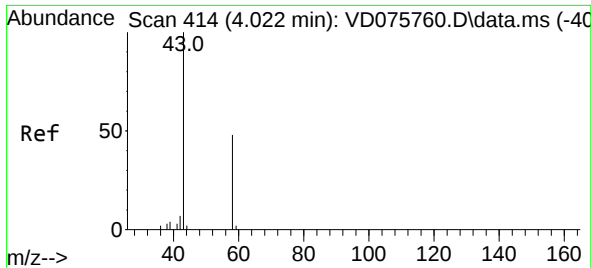
Tgt Ion:101 Resp: 154846  
 Ion Ratio Lower Upper  
 101 100  
 85 40.9 32.9 49.3  
 151 71.8 57.2 85.8



#12  
 1,1-Dichloroethene  
 Concen: 28.565 ug/L  
 RT: 3.940 min Scan# 400  
 Delta R.T. -0.000 min  
 Lab File: VD075768.D  
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Tgt Ion: 96 Resp: 143793  
 Ion Ratio Lower Upper  
 96 100  
 61 133.3 92.6 172.0  
 63 98.1 77.4 143.8





#13

Acetone

Concen: 52.849 ug/L

RT: 4.022 min Scan# 414

Delta R.T. -0.000 min

Lab File: VD075768.D

Acq: 21 Apr 2023 10:19

Instrument :

MSVOA\_D

ClientSampleId :

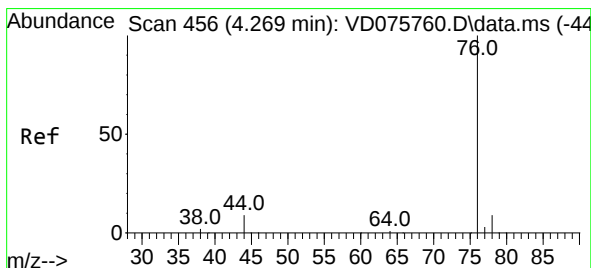
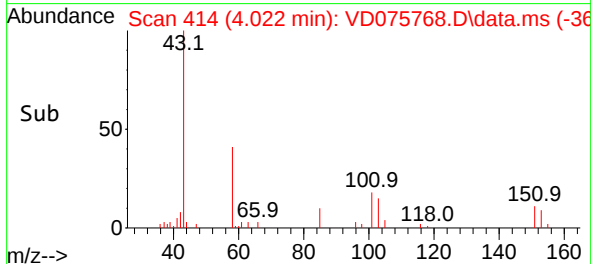
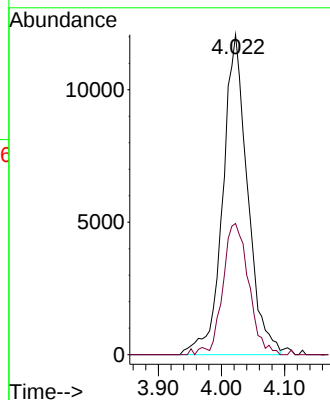
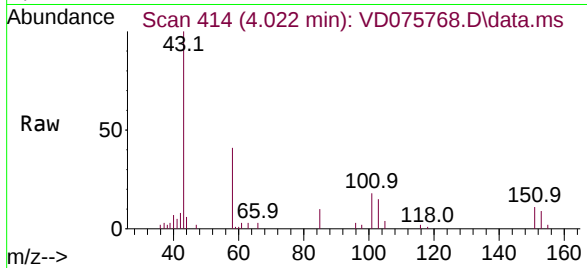
VSTD025128

Tgt Ion: 43 Resp: 32975

Ion Ratio Lower Upper

43 100

58 41.8 0.0 87.4



#14

Carbon disulfide

Concen: 28.261 ug/L

RT: 4.275 min Scan# 457

Delta R.T. 0.006 min

Lab File: VD075768.D

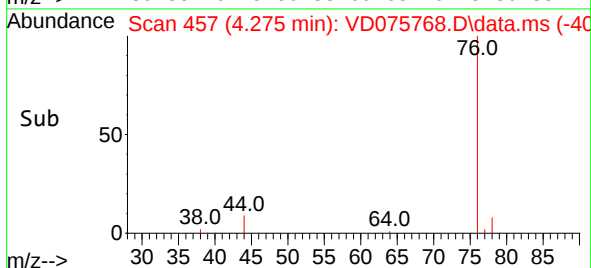
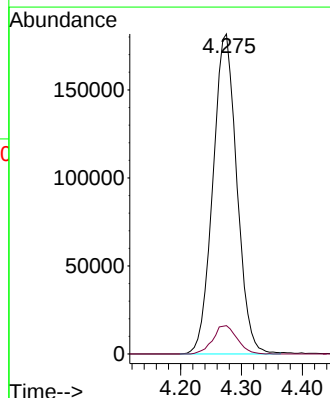
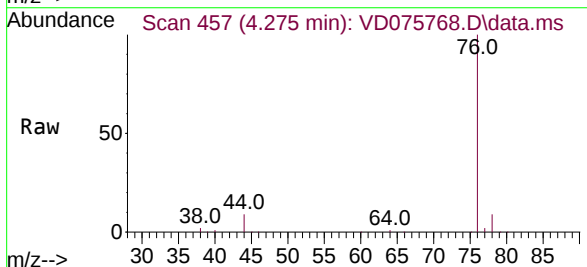
Acq: 21 Apr 2023 10:19

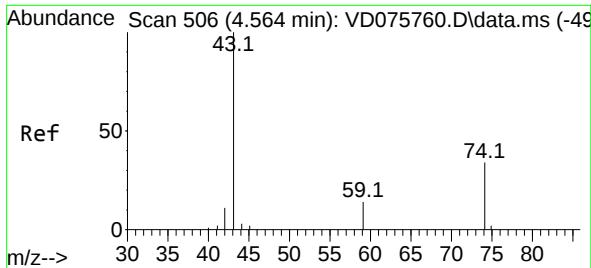
Tgt Ion: 76 Resp: 496897

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6

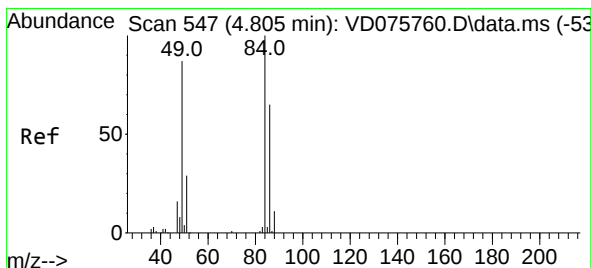
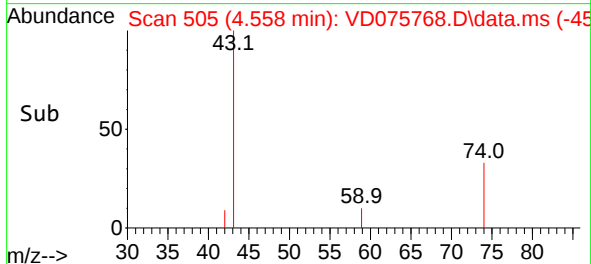
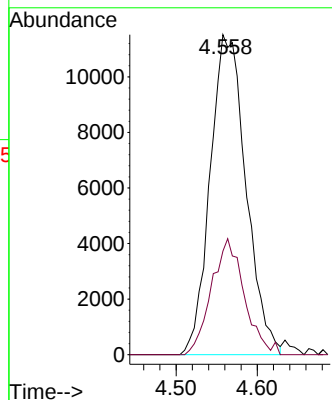
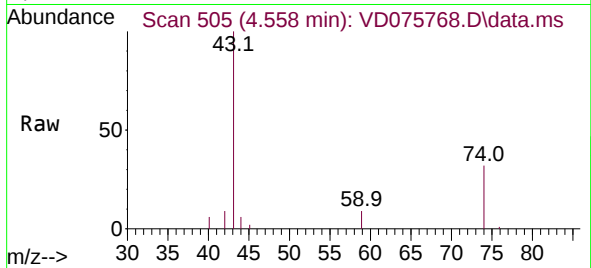




#15  
Methyl Acetate  
Concen: 26.095 ug/L  
RT: 4.558 min Scan# 506  
Delta R.T. -0.006 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

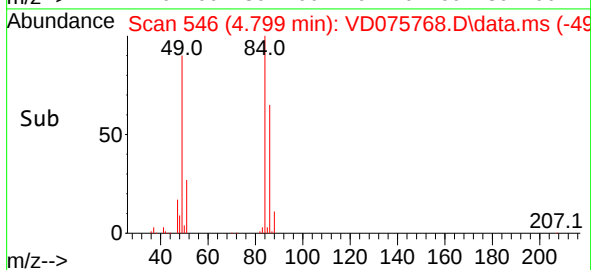
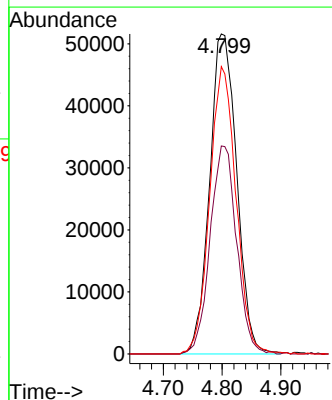
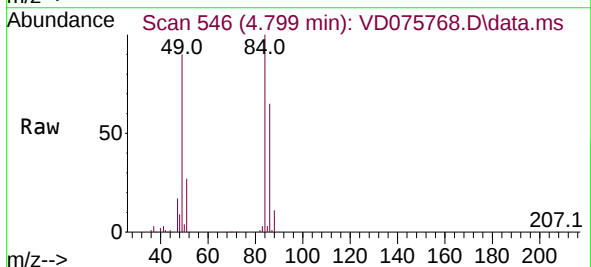
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD025128

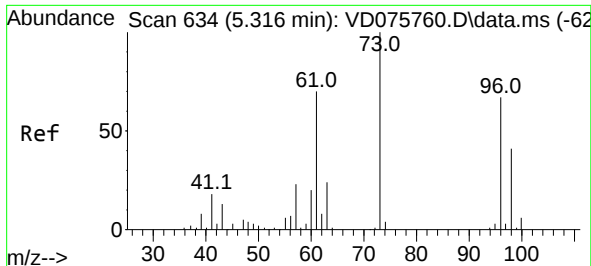
Tgt Ion: 43 Resp: 35286  
Ion Ratio Lower Upper  
43 100  
74 32.8 12.8 19.2#



#16  
Methylene chloride  
Concen: 21.290 ug/L  
RT: 4.799 min Scan# 546  
Delta R.T. -0.006 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

Tgt Ion: 84 Resp: 165351  
Ion Ratio Lower Upper  
84 100  
86 65.0 45.8 85.2  
49 89.8 60.8 112.8

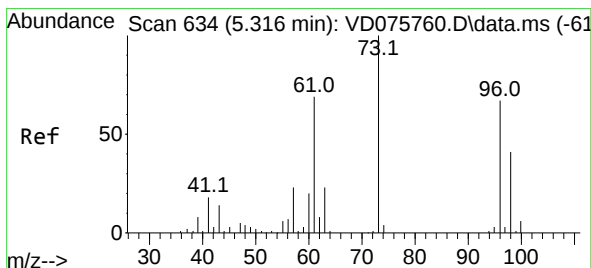
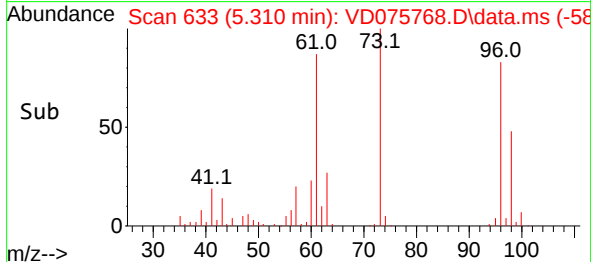
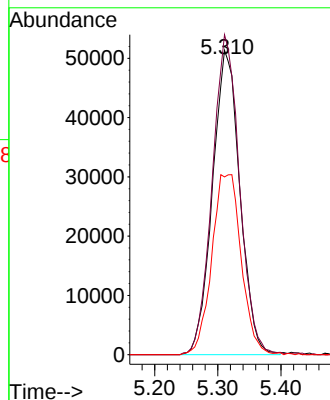
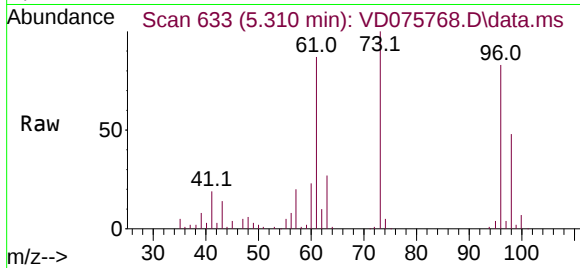




#17  
trans-1,2-Dichloroethene  
Concen: 27.488 ug/L  
RT: 5.310 min Scan# 611  
Delta R.T. -0.006 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

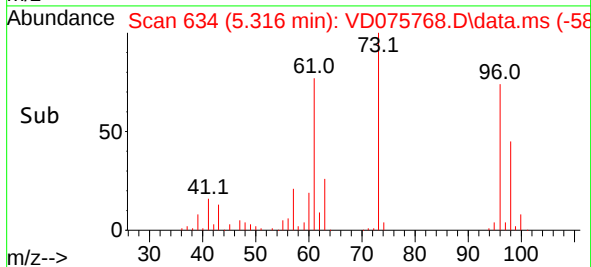
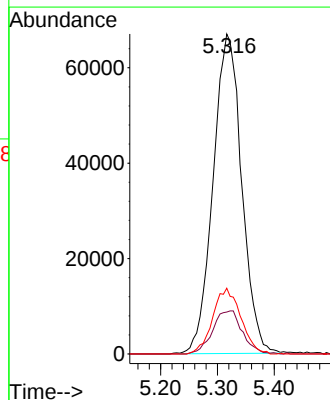
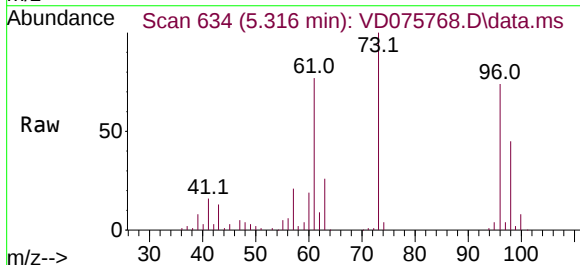
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD025128

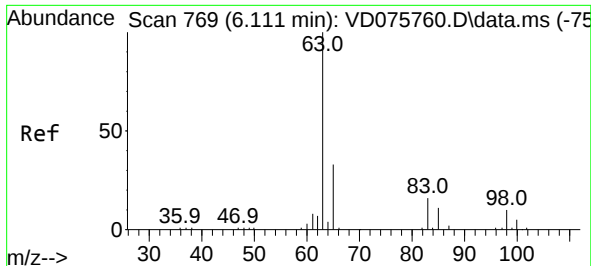
Tgt Ion: 96 Resp: 155151  
Ion Ratio Lower Upper  
96 100  
61 105.1 72.9 135.5  
98 58.4 43.0 79.8



#18  
Methyl tert-butyl Ether  
Concen: 25.871 ug/L  
RT: 5.316 min Scan# 634  
Delta R.T. -0.000 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

Tgt Ion: 73 Resp: 234237  
Ion Ratio Lower Upper  
73 100  
43 14.0 11.3 16.9  
57 20.2 16.3 24.5





#19

1,1-Dichloroethane

Concen: 27.103 ug/L

RT: 6.116 min Scan# 7

Delta R.T. 0.006 min

Lab File: VD075768.D

Acq: 21 Apr 2023 10:19

Instrument :

MSVOA\_D

ClientSampleId :

VSTD025128

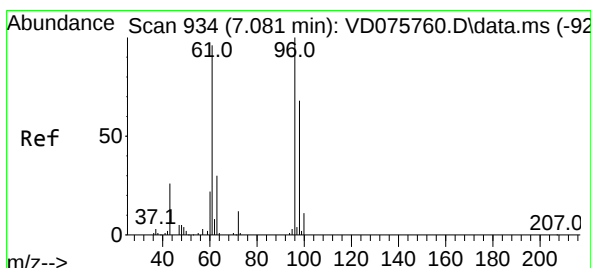
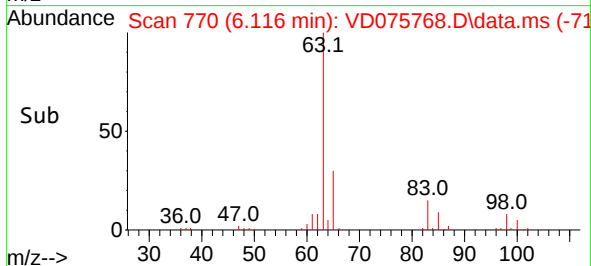
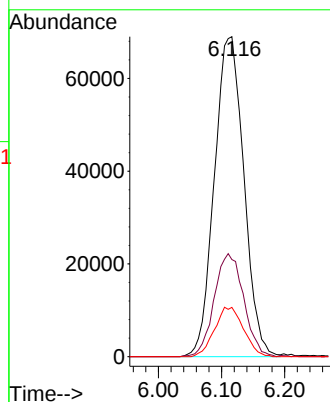
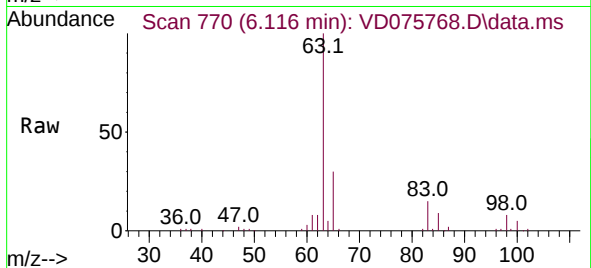
Tgt Ion: 63 Resp: 224111

Ion Ratio Lower Upper

63 100

65 30.4 22.8 42.4

83 15.4 11.2 20.8



#20

cis-1,2-Dichloroethene

Concen: 26.549 ug/L

RT: 7.081 min Scan# 934

Delta R.T. -0.000 min

Lab File: VD075768.D

Acq: 21 Apr 2023 10:19

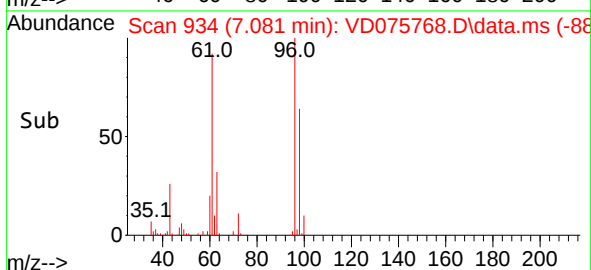
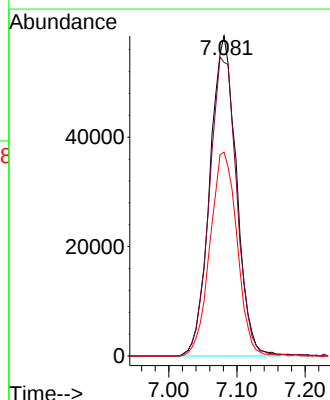
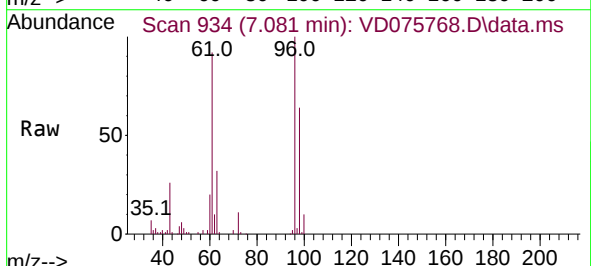
Tgt Ion: 96 Resp: 158452

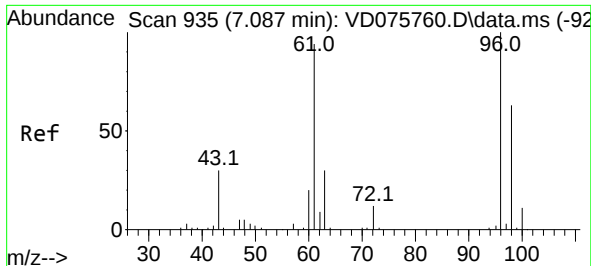
Ion Ratio Lower Upper

96 100

61 91.7 67.5 125.3

98 63.7 47.5 88.1

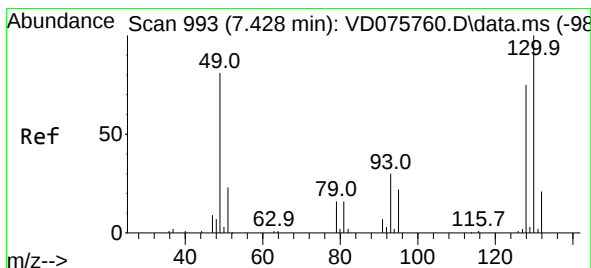
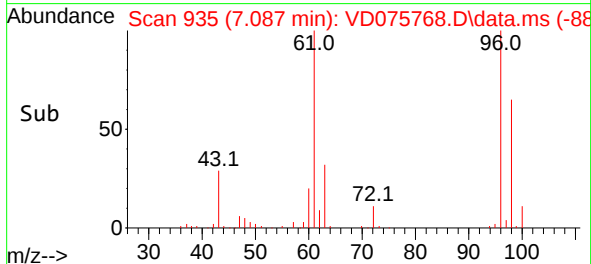
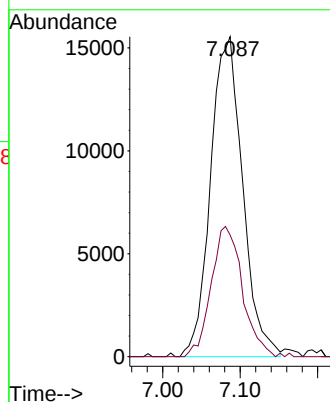
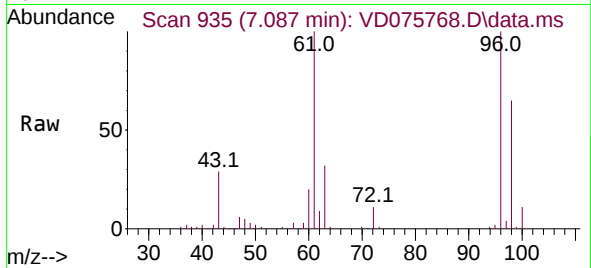




#22  
2-Butanone  
Concen: 54.951 ug/L  
RT: 7.087 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

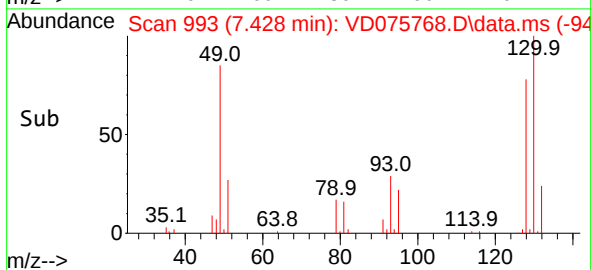
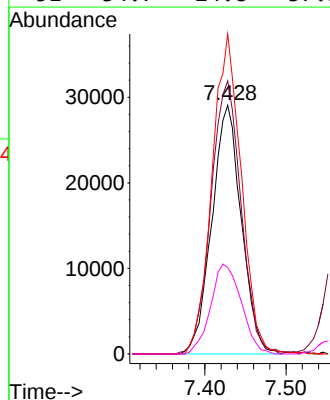
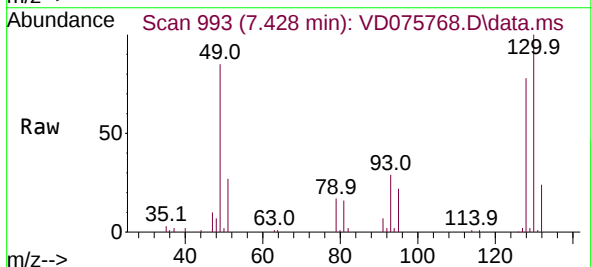
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD025128

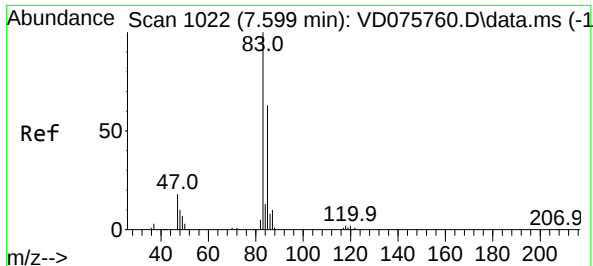
Tgt Ion: 43 Resp: 44699  
Ion Ratio Lower Upper  
43 100  
72 39.5 20.5 61.5



#23  
Bromochloromethane  
Concen: 26.400 ug/L  
RT: 7.428 min Scan# 993  
Delta R.T. -0.000 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

Tgt Ion: 128 Resp: 73073  
Ion Ratio Lower Upper  
128 100  
49 109.8 76.4 142.0  
130 128.7 93.5 173.7  
51 34.7 24.8 37.2





#25

Chloroform

Concen: 26.597 ug/L

RT: 7.593 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VD075768.D

Acq: 21 Apr 2023 10:19

Instrument :

MSVOA\_D

ClientSampleId :

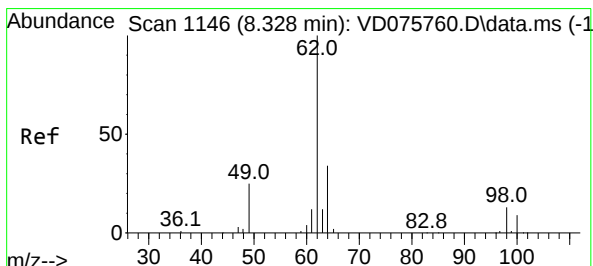
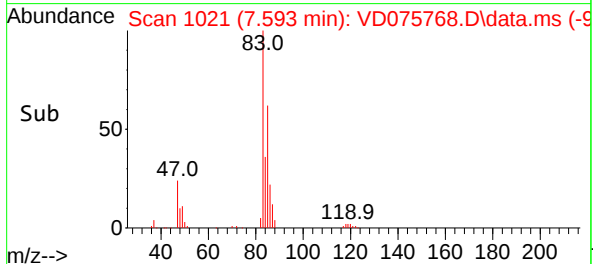
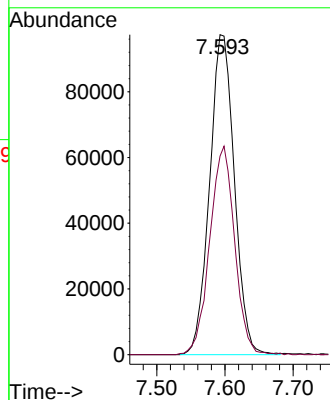
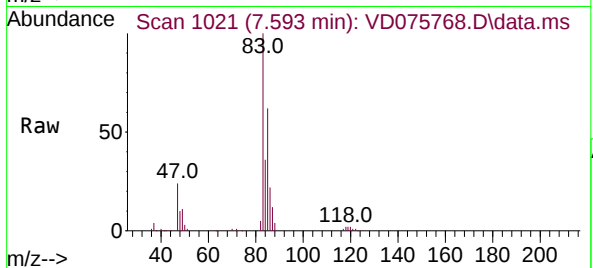
VSTD025128

Tgt Ion: 83 Resp: 246480

Ion Ratio Lower Upper

83 100

85 62.1 44.4 82.5



#27

1,2-Dichloroethane

Concen: 26.291 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VD075768.D

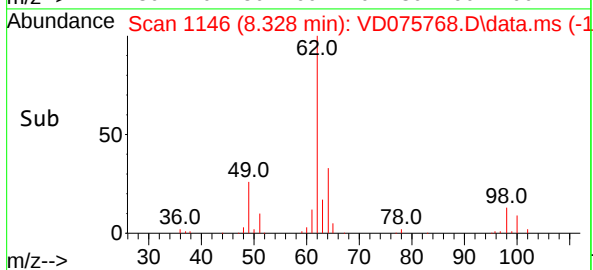
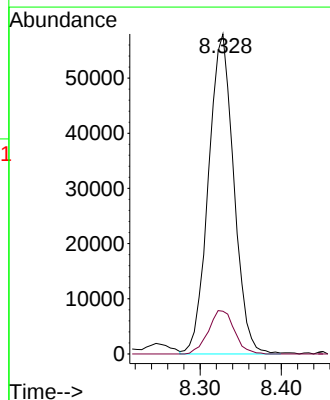
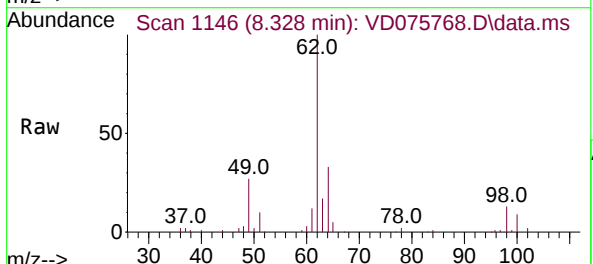
Acq: 21 Apr 2023 10:19

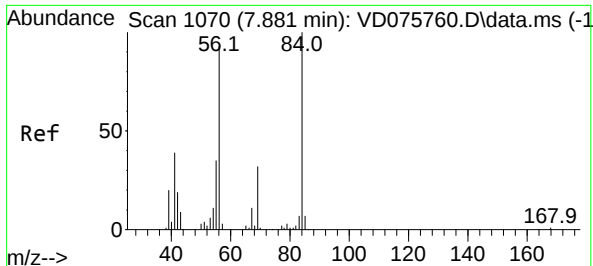
Tgt Ion: 62 Resp: 125762

Ion Ratio Lower Upper

62 100

98 13.3 10.2 15.2





#29

Cyclohexane

Concen: 31.029 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VD075768.D

Acq: 21 Apr 2023 10:19

Instrument :

MSVOA\_D

ClientSampleId :

VSTD025128

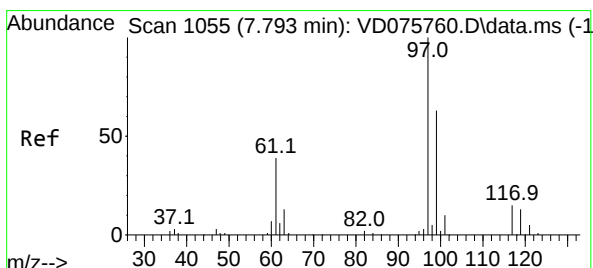
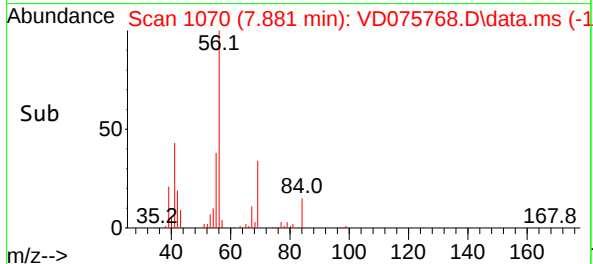
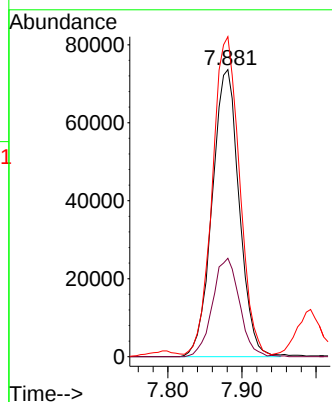
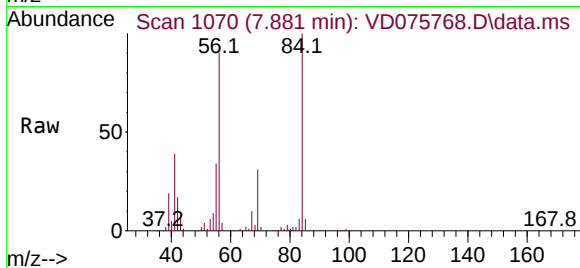
Tgt Ion: 56 Resp: 186406

Ion Ratio Lower Upper

56 100

69 34.0 28.2 42.2

84 112.7 92.4 138.6



#30

1,1,1-Trichloroethane

Concen: 28.064 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD075768.D

Acq: 21 Apr 2023 10:19

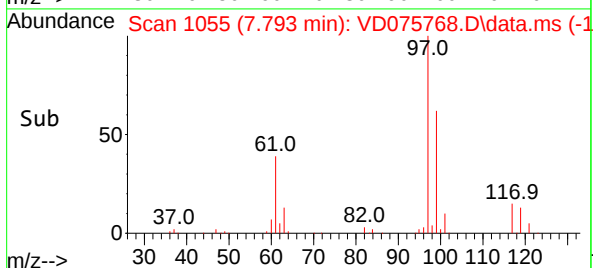
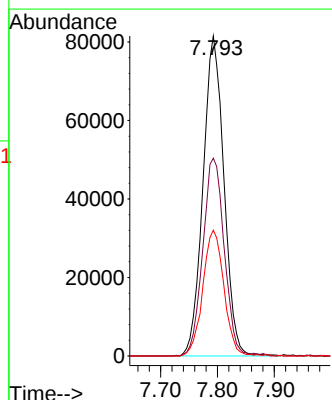
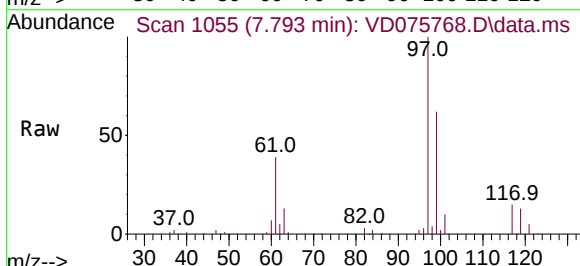
Tgt Ion: 97 Resp: 208374

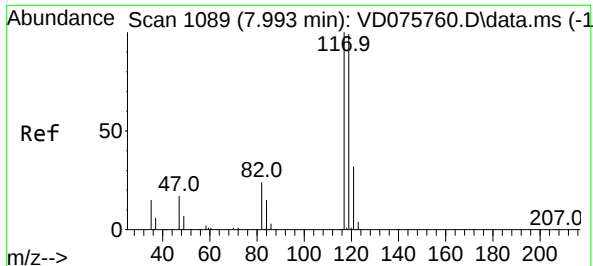
Ion Ratio Lower Upper

97 100

99 63.1 51.5 77.3

61 39.6 32.1 48.1

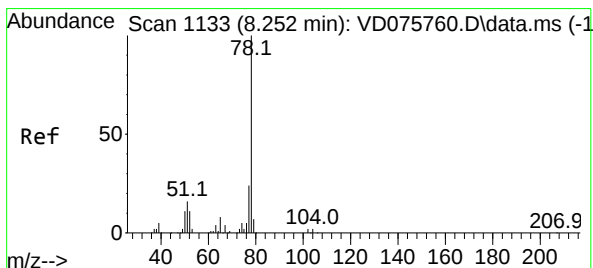
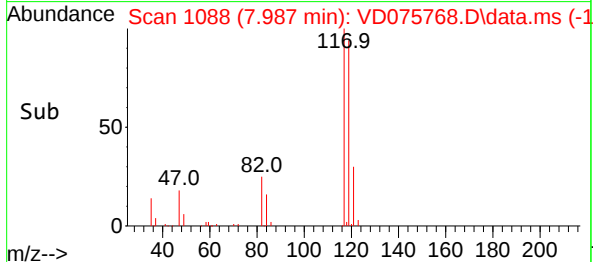
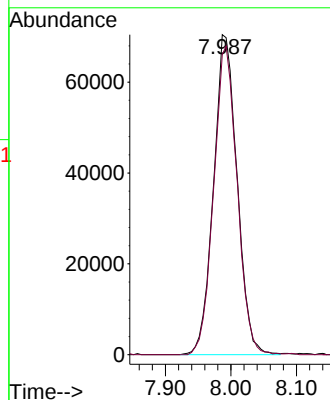
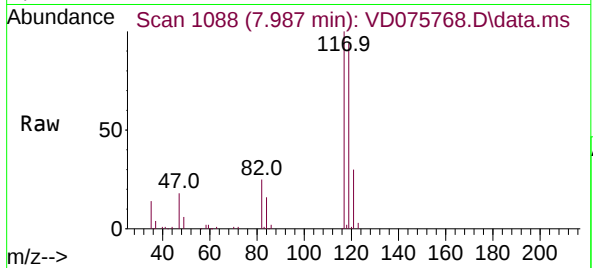




#31  
Carbon tetrachloride  
Concen: 29.500 ug/L  
RT: 7.987 min Scan# 1088  
Delta R.T. -0.006 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

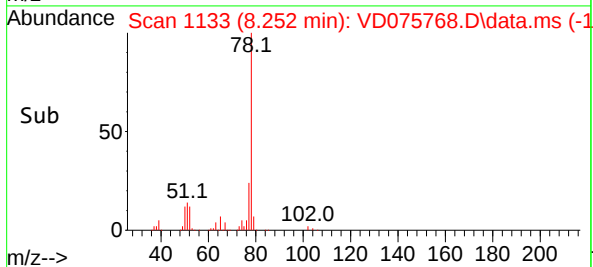
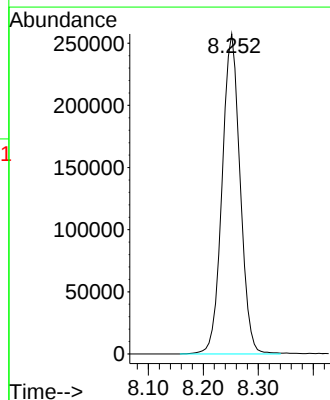
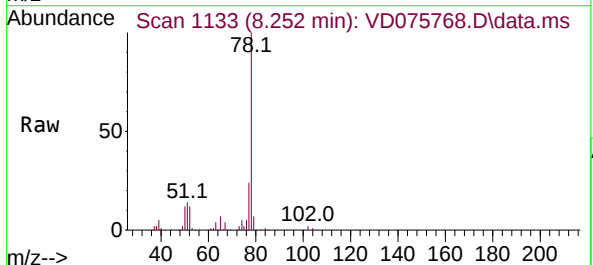
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD025128

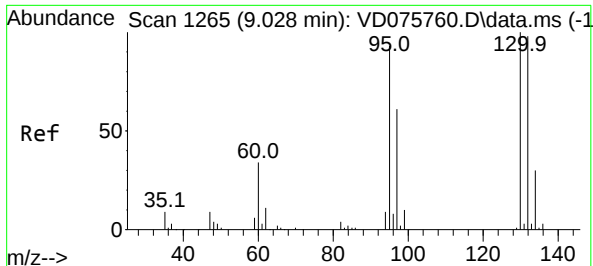
Tgt Ion:117 Resp: 175726  
Ion Ratio Lower Upper  
117 100  
119 95.7 78.2 117.4



#33  
Benzene  
Concen: 27.622 ug/L  
RT: 8.252 min Scan# 1133  
Delta R.T. -0.000 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

Tgt Ion: 78 Resp: 586331

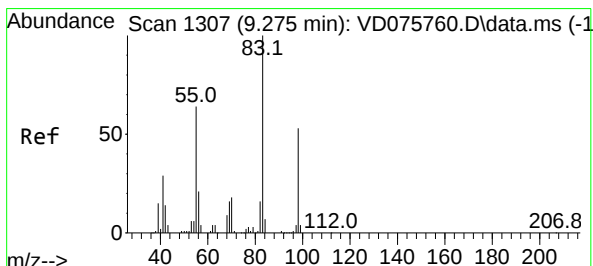
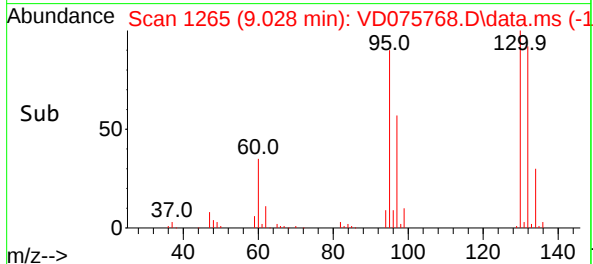
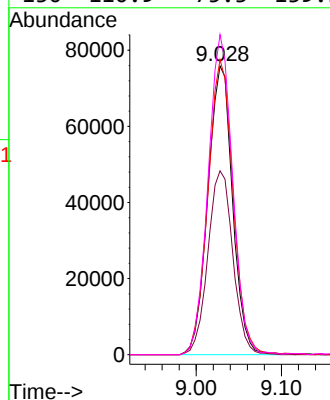
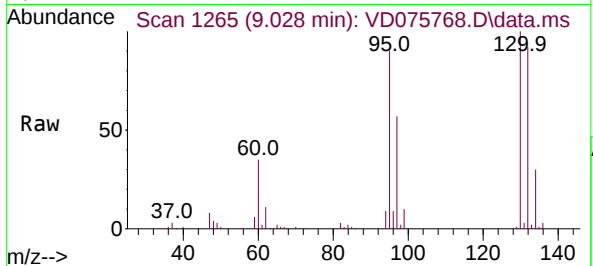




#34  
Trichloroethene  
Concen: 27.839 ug/L  
RT: 9.028 min Scan# 1265  
Delta R.T. -0.000 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

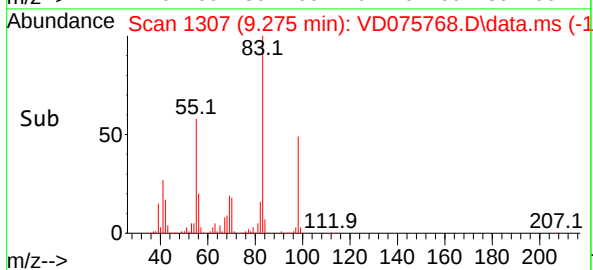
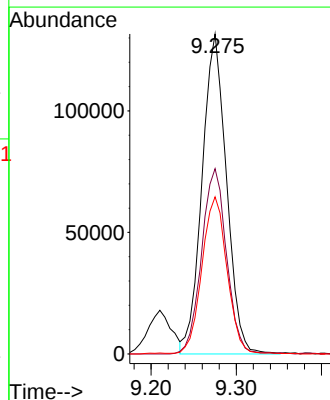
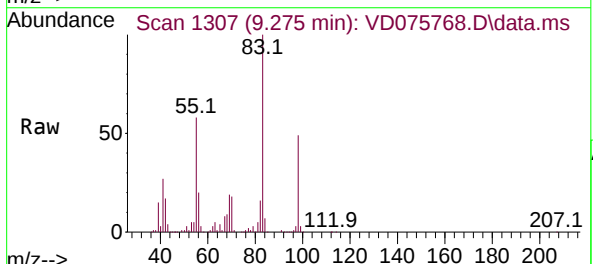
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD025128

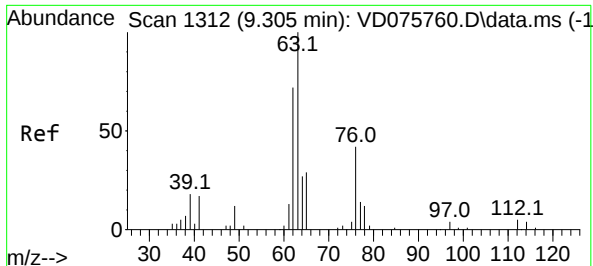
Tgt Ion: 95 Resp: 152823  
Ion Ratio Lower Upper  
95 100  
97 63.7 46.0 85.4  
132 102.2 73.3 136.1  
130 110.9 75.3 139.9



#35  
Methylcyclohexane  
Concen: 30.982 ug/L  
RT: 9.275 min Scan# 1307  
Delta R.T. -0.000 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

Tgt Ion: 83 Resp: 262221  
Ion Ratio Lower Upper  
83 100  
55 58.8 48.2 72.2  
98 49.9 40.8 61.2





#37

1,2-Dichloropropane

Concen: 27.157 ug/L

RT: 9.304 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD075768.D

Acq: 21 Apr 2023 10:19

Instrument :

MSVOA\_D

ClientSampleId :

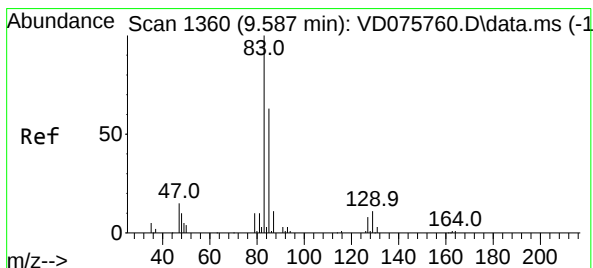
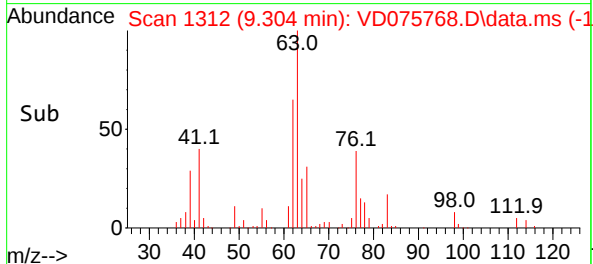
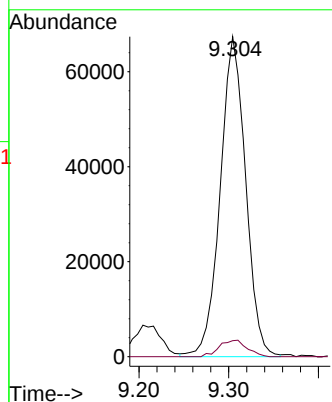
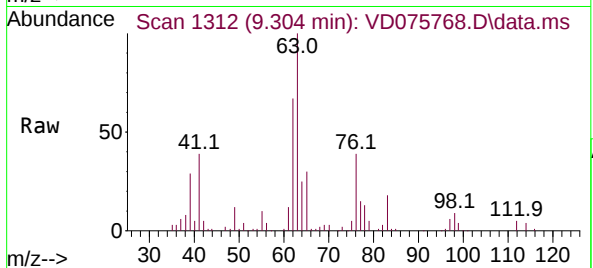
VSTD025128

Tgt Ion: 63 Resp: 132419

Ion Ratio Lower Upper

63 100

112 5.6 4.0 6.0



#38

Bromodichloromethane

Concen: 26.459 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. -0.000 min

Lab File: VD075768.D

Acq: 21 Apr 2023 10:19

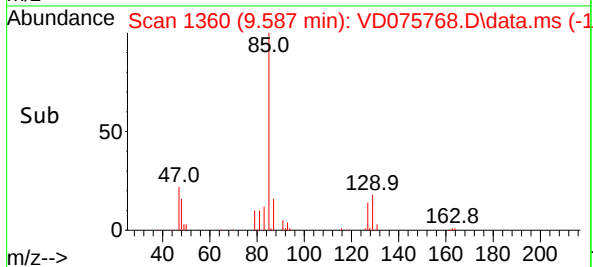
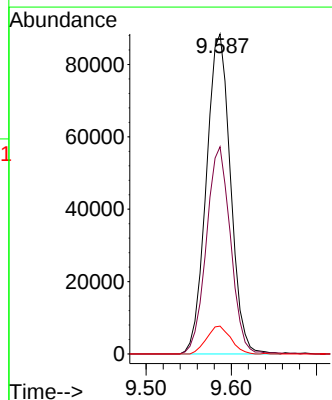
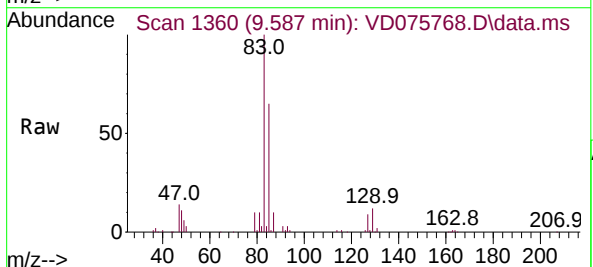
Tgt Ion: 83 Resp: 173957

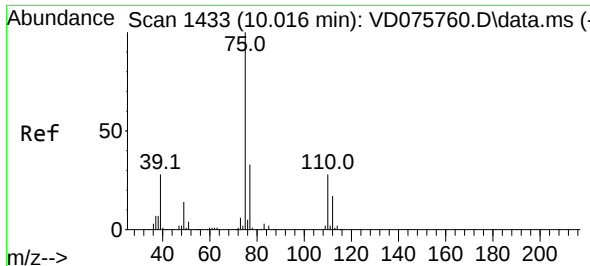
Ion Ratio Lower Upper

83 100

85 64.8 44.2 82.2

127 8.7 6.3 9.5

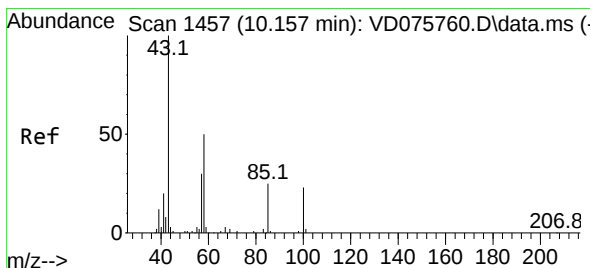
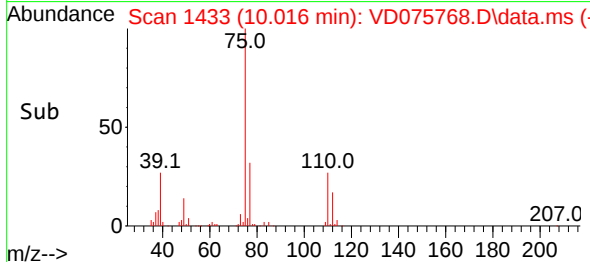
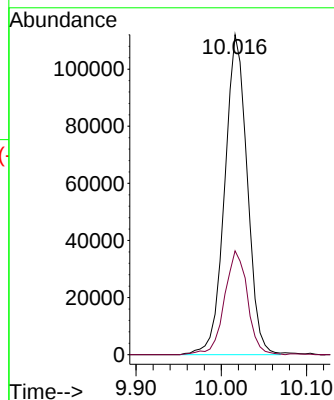
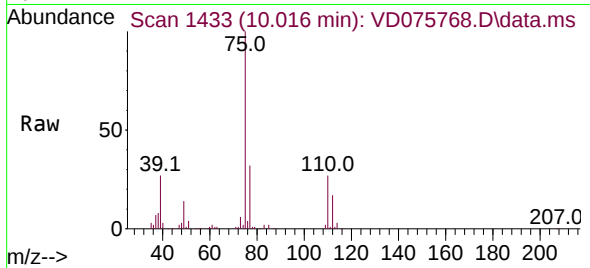




#39  
 cis-1,3-Dichloropropene  
 Concen: 26.541 ug/L  
 RT: 10.016 min Scan# 1433  
 Delta R.T. -0.000 min  
 Lab File: VD075768.D  
 Acq: 21 Apr 2023 10:19

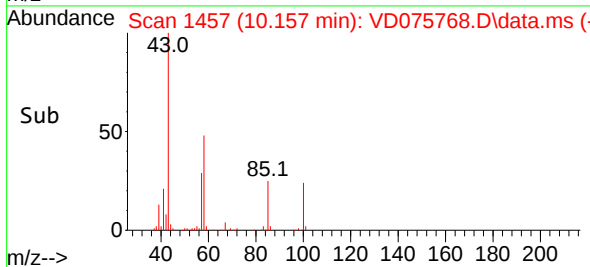
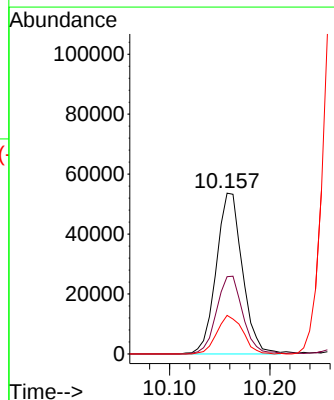
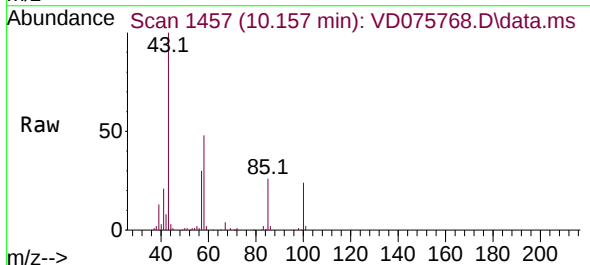
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025128

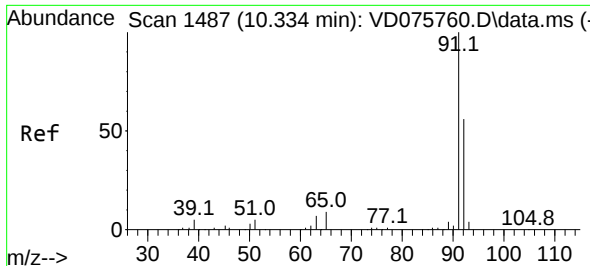
Tgt Ion: 75 Resp: 205817  
 Ion Ratio Lower Upper  
 75 100  
 77 32.5 23.4 43.6



#40  
 4-Methyl-2-pentanone  
 Concen: 54.711 ug/L  
 RT: 10.157 min Scan# 1457  
 Delta R.T. -0.000 min  
 Lab File: VD075768.D  
 Acq: 21 Apr 2023 10:19

Tgt Ion: 43 Resp: 97266  
 Ion Ratio Lower Upper  
 43 100  
 58 48.5 39.1 58.7  
 100 23.7 19.4 29.0

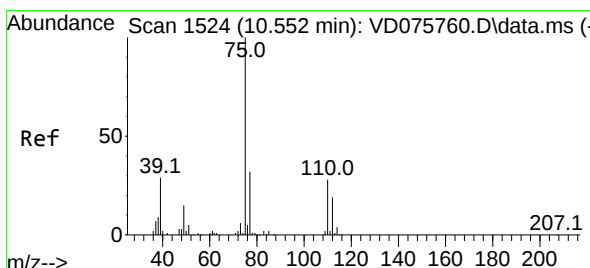
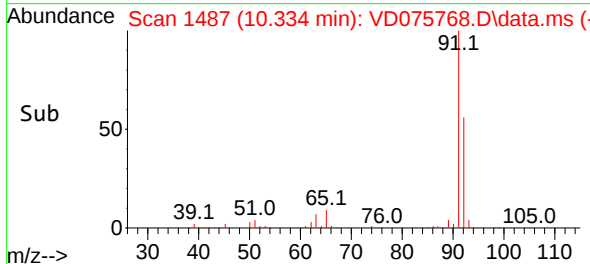
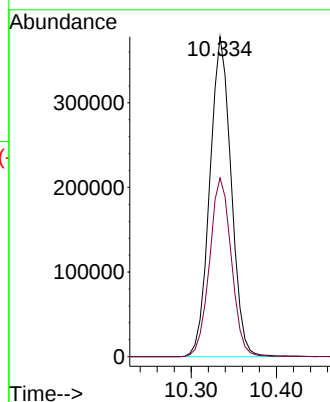
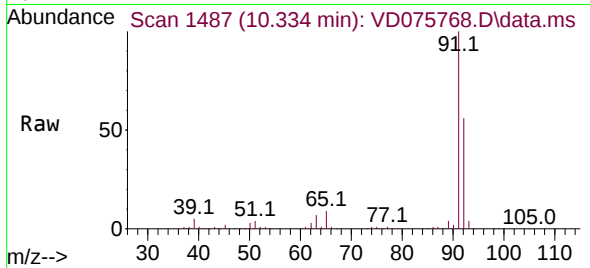




#42  
Toluene  
Concen: 28.751 ug/L  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

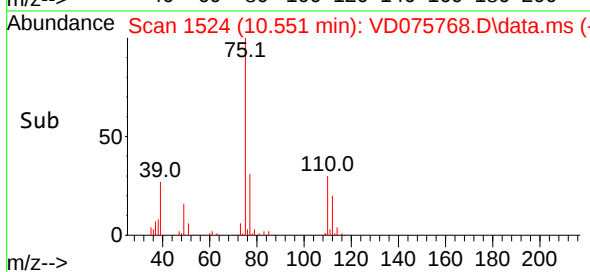
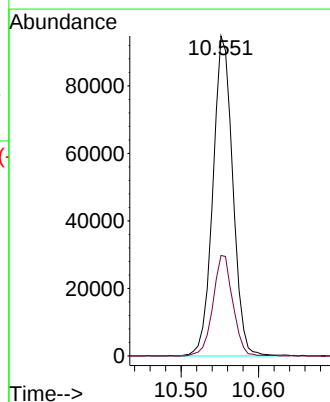
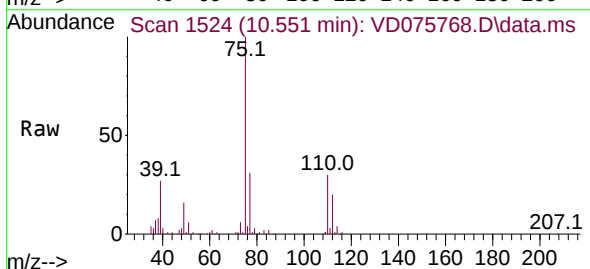
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD025128

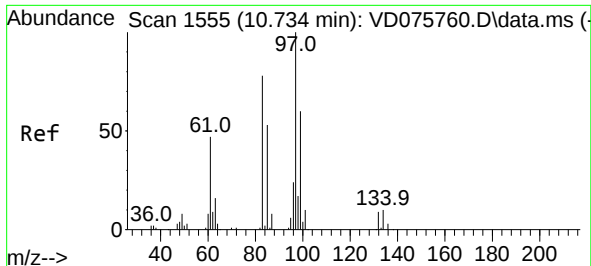
Tgt Ion: 91 Resp: 660459  
Ion Ratio Lower Upper  
91 100  
92 55.8 39.3 72.9



#44  
trans-1,3-Dichloropropene  
Concen: 27.170 ug/L  
RT: 10.551 min Scan# 1524  
Delta R.T. -0.000 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

Tgt Ion: 75 Resp: 169257  
Ion Ratio Lower Upper  
75 100  
77 31.4 22.0 41.0

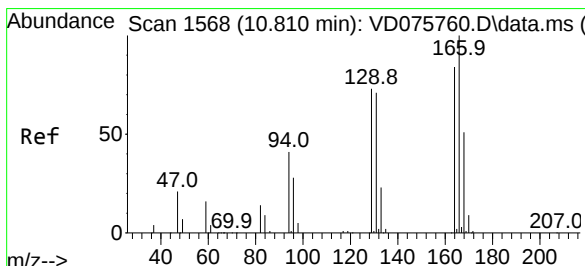
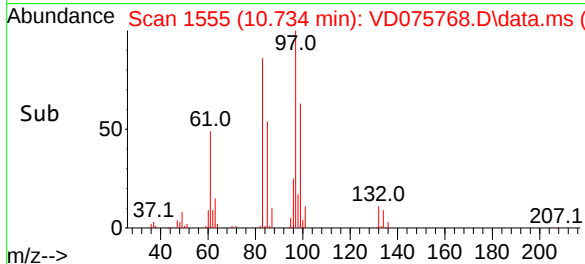
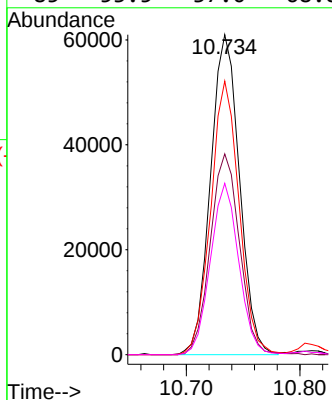
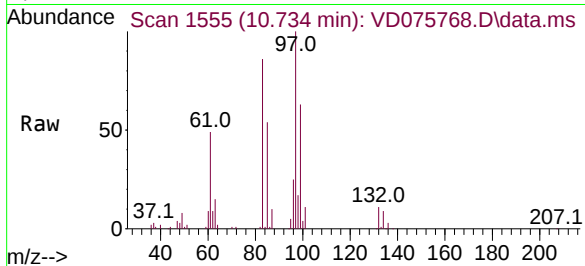




#45  
1,1,2-Trichloroethane  
Concen: 26.075 ug/L  
RT: 10.734 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

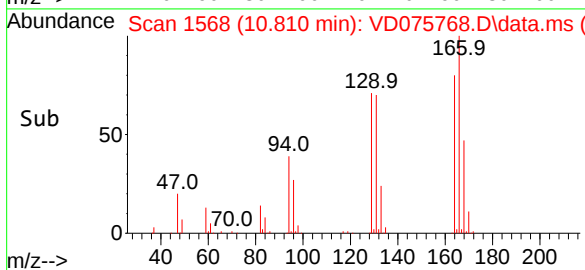
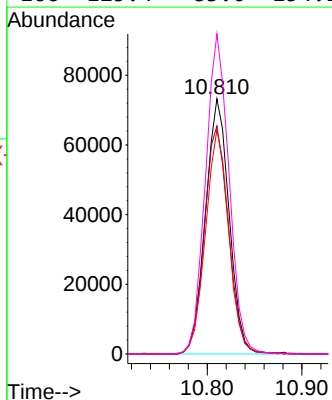
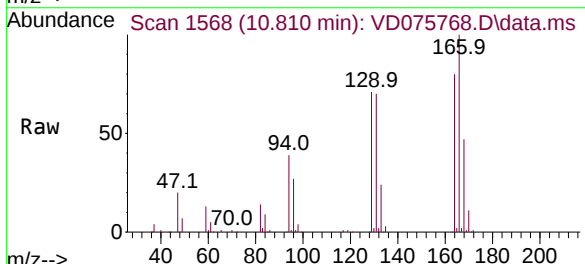
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD025128

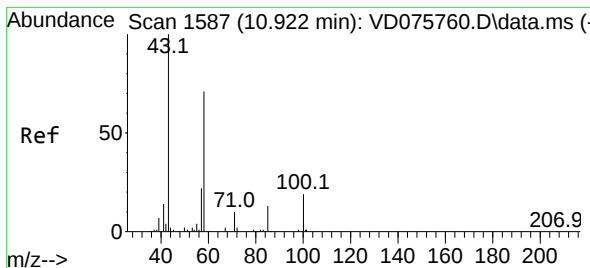
|             |              |
|-------------|--------------|
| Tgt Ion: 97 | Resp: 108167 |
| Ion Ratio   | Lower Upper  |
| 97 100      |              |
| 99 62.8     | 42.2 78.4    |
| 83 85.5     | 54.8 101.8   |
| 85 53.5     | 37.0 68.8    |



#46  
Tetrachloroethene  
Concen: 28.234 ug/L  
RT: 10.810 min Scan# 1568  
Delta R.T. -0.000 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:164 | Resp: | 127125 |
| Ion | Ratio   | Lower | Upper  |
| 164 | 100     |       |        |
| 129 | 89.3    | 60.3  | 112.1  |
| 131 | 87.8    | 58.9  | 109.3  |
| 166 | 125.4   | 83.0  | 154.1  |





#48

2-Hexanone

Concen: 57.536 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. -0.000 min

Lab File: VD075768.D

Acq: 21 Apr 2023 10:19

Instrument :

MSVOA\_D

ClientSampleId :

VSTD025128

Tgt Ion: 43 Resp: 72111

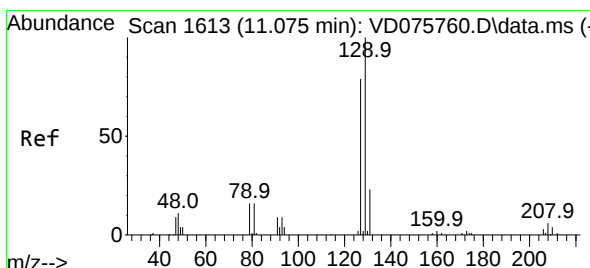
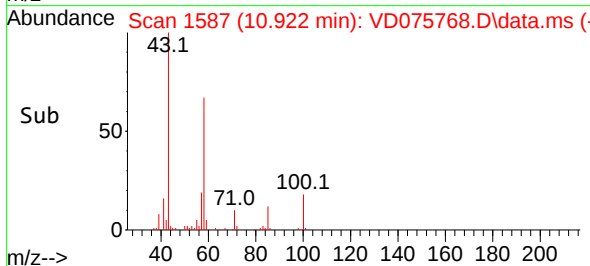
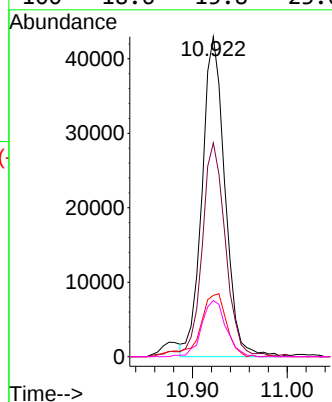
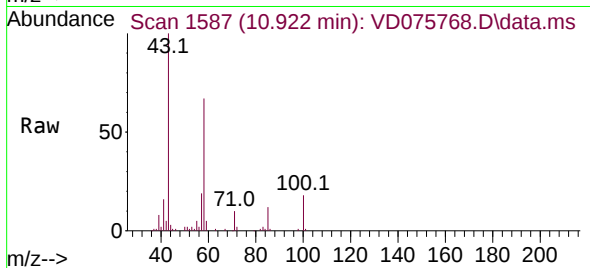
Ion Ratio Lower Upper

43 100

58 67.1 59.7 89.5

57 22.8 17.9 26.9

100 18.6 15.8 23.6



#49

Dibromochloromethane

Concen: 26.470 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. -0.000 min

Lab File: VD075768.D

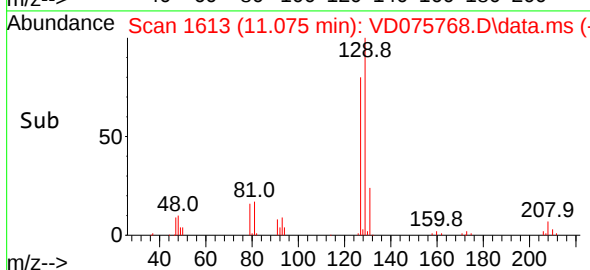
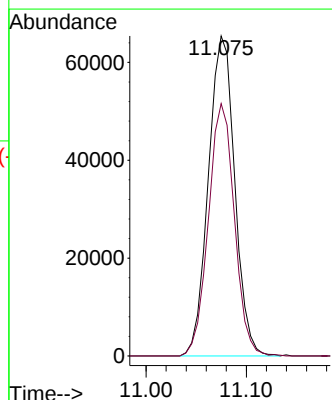
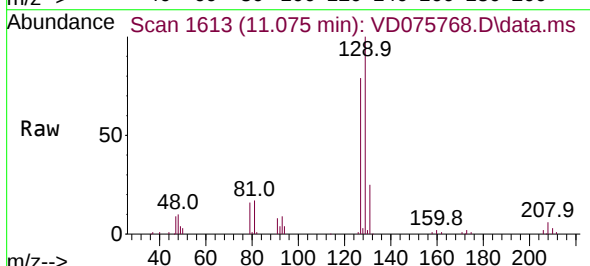
Acq: 21 Apr 2023 10:19

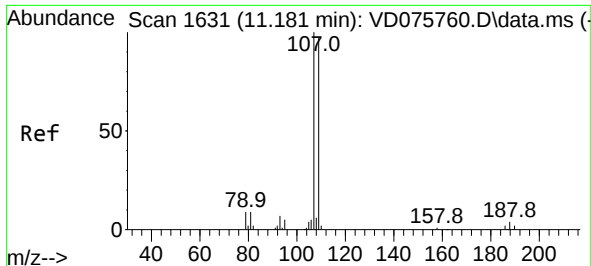
Tgt Ion: 129 Resp: 119540

Ion Ratio Lower Upper

129 100

127 78.8 55.6 103.4

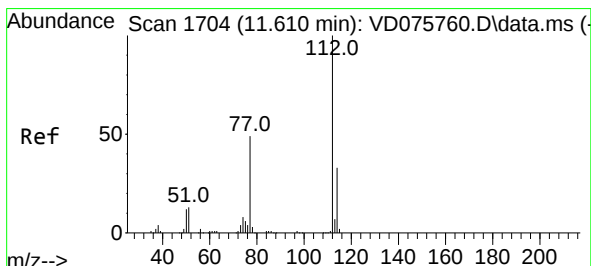
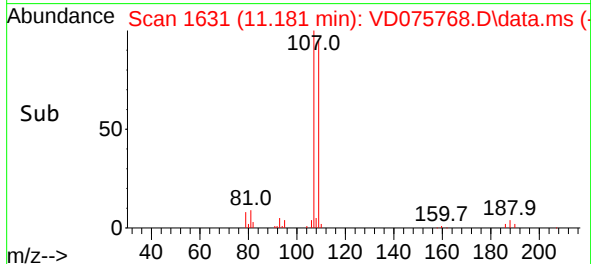
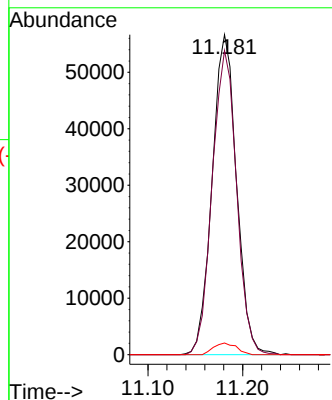
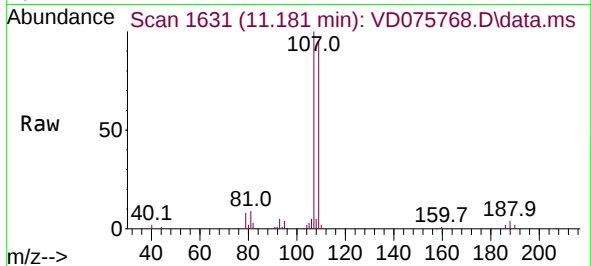




#50  
1,2-Dibromoethane  
Concen: 27.137 ug/L  
RT: 11.181 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

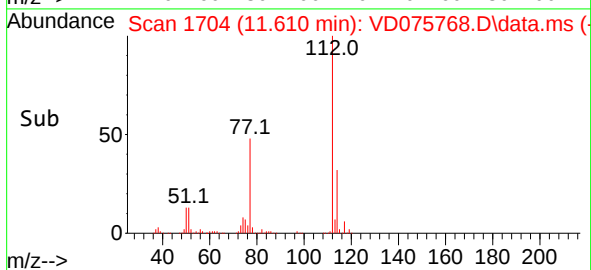
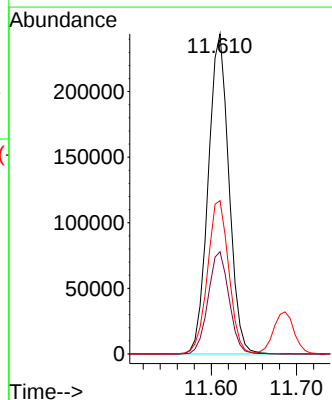
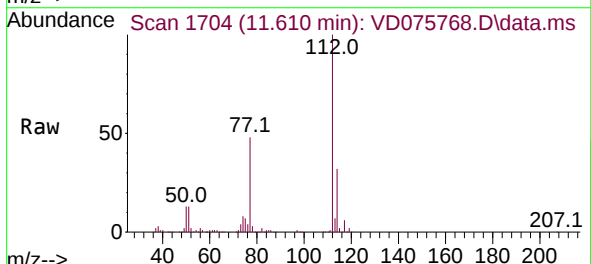
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD025128

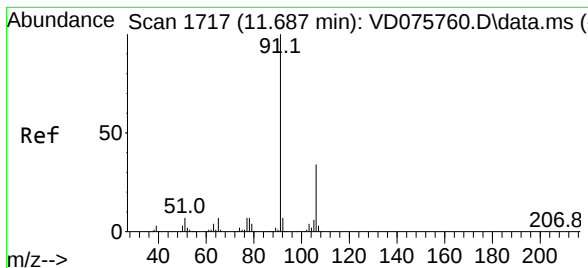
Tgt Ion:107 Resp: 101489  
Ion Ratio Lower Upper  
107 100  
109 95.1 67.6 125.6  
188 3.6 3.0 4.6



#51  
Chlorobenzene  
Concen: 27.348 ug/L  
RT: 11.610 min Scan# 1704  
Delta R.T. -0.000 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

Tgt Ion:112 Resp: 410980  
Ion Ratio Lower Upper  
112 100  
114 32.0 23.0 42.8  
77 47.9 39.7 59.5

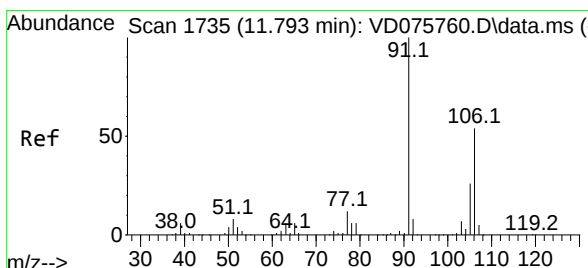
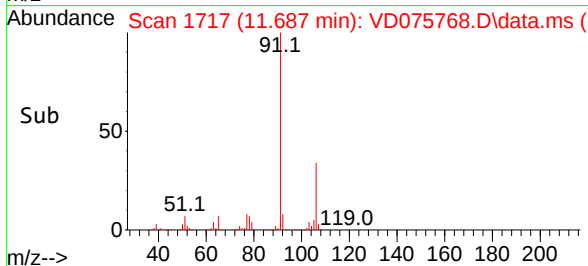
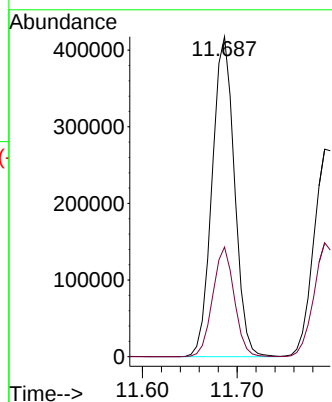
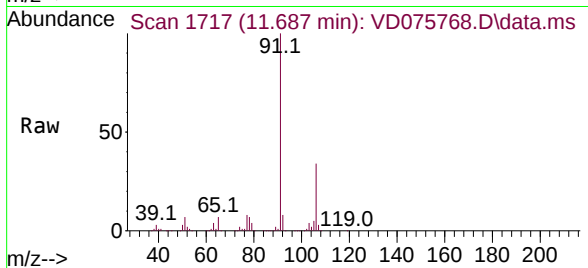




#52  
Ethylbenzene  
Concen: 29.033 ug/L  
RT: 11.687 min Scan# 1717  
Delta R.T. -0.000 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

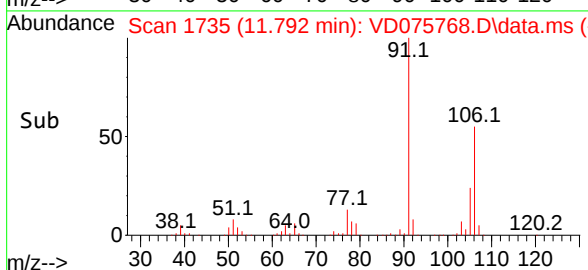
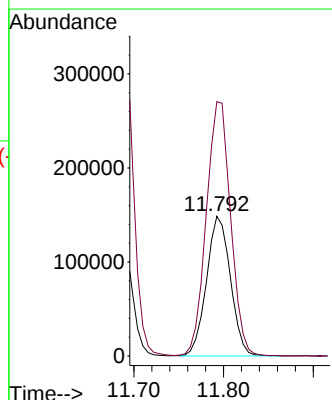
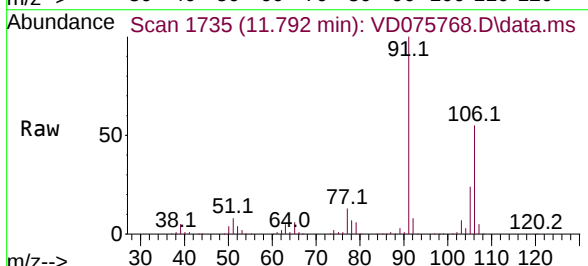
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD025128

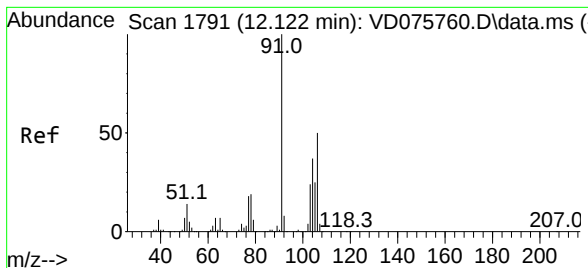
Tgt Ion: 91 Resp: 683888  
Ion Ratio Lower Upper  
91 100  
106 34.3 23.7 43.9



#53  
m,p-Xylene  
Concen: 29.319 ug/L  
RT: 11.792 min Scan# 1735  
Delta R.T. -0.000 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

Tgt Ion: 106 Resp: 274999  
Ion Ratio Lower Upper  
106 100  
91 182.2 130.9 243.1

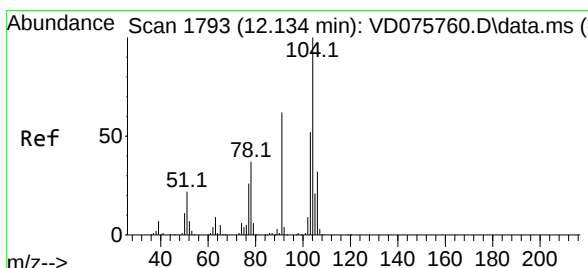
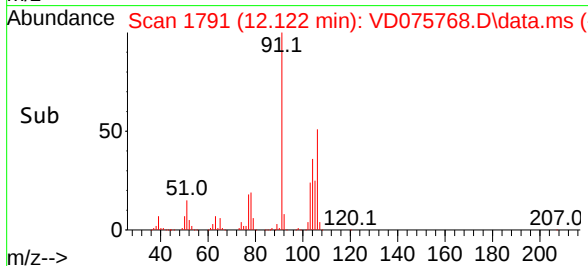
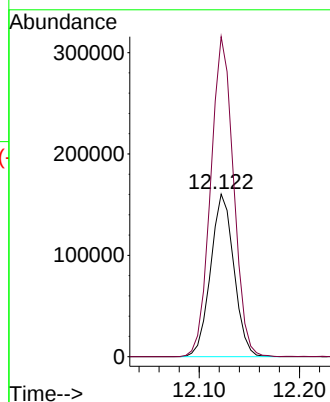
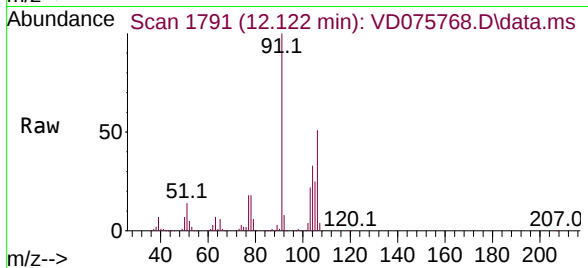




#54  
o-Xylene  
Concen: 28.987 ug/L  
RT: 12.122 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

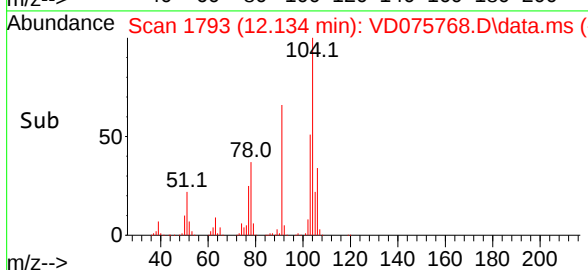
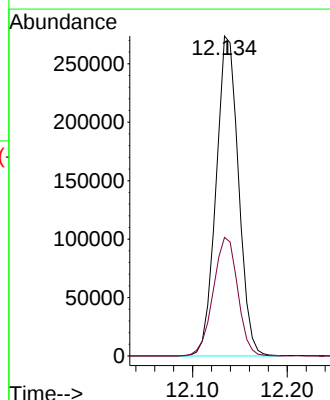
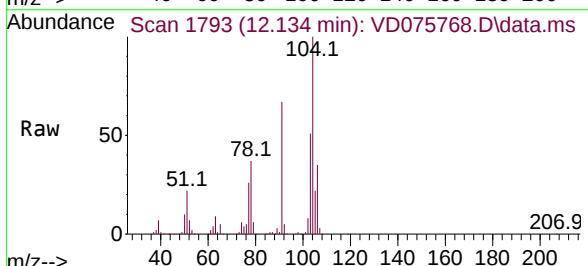
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD025128

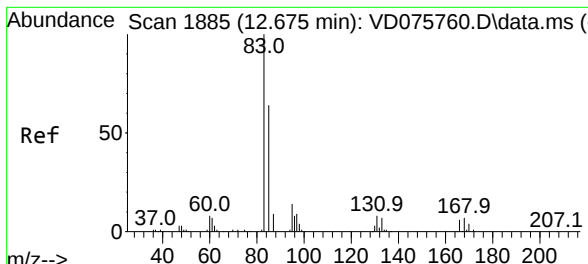
Tgt Ion:106 Resp: 258243  
Ion Ratio Lower Upper  
106 100  
91 196.8 139.8 259.6



#55  
Styrene  
Concen: 29.135 ug/L  
RT: 12.134 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

Tgt Ion:104 Resp: 451763  
Ion Ratio Lower Upper  
104 100  
78 37.1 26.2 48.6

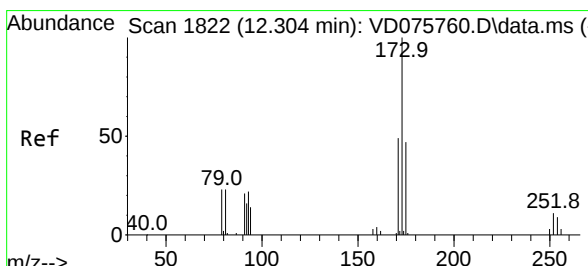
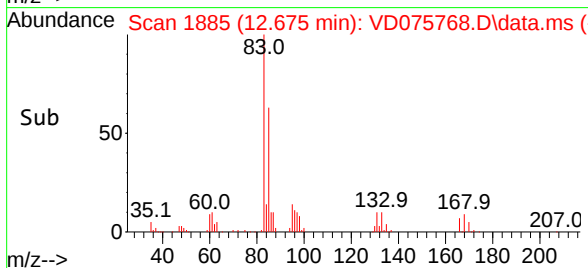
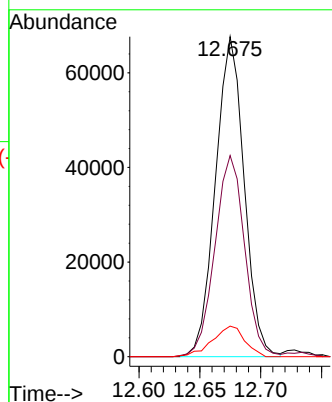
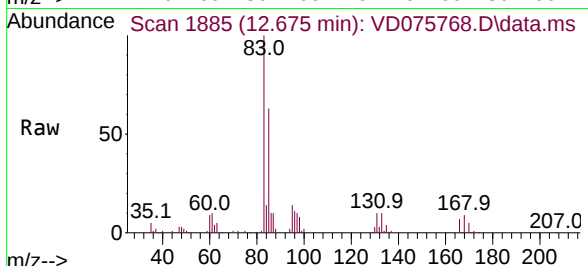




#57  
 1,1,2,2-Tetrachloroethane  
 Concen: 26.269 ug/L  
 RT: 12.675 min Scan# 1885  
 Delta R.T. -0.000 min  
 Lab File: VD075768.D  
 Acq: 21 Apr 2023 10:19

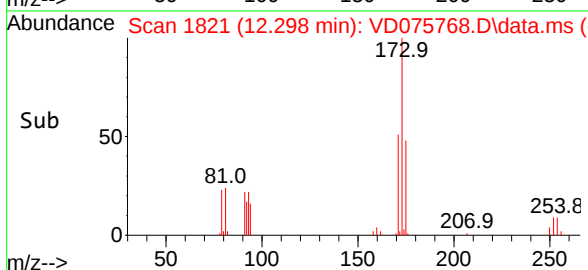
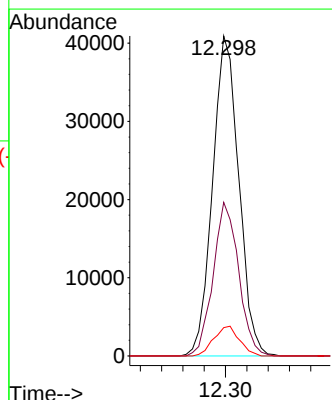
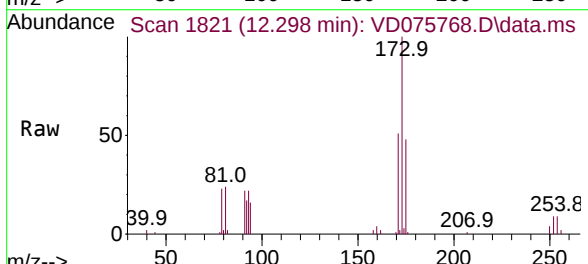
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025128

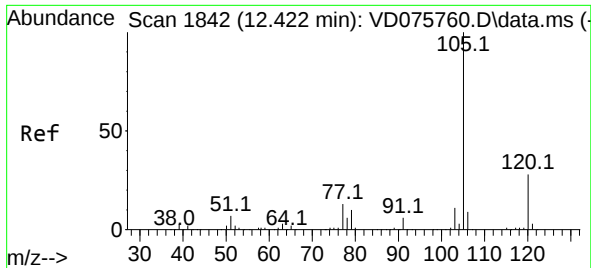
Tgt Ion: 83 Resp: 110874  
 Ion Ratio Lower Upper  
 83 100  
 85 62.9 45.1 83.7  
 131 9.5 7.0 10.6



#59  
 Bromoform  
 Concen: 23.418 ug/L  
 RT: 12.298 min Scan# 1821  
 Delta R.T. -0.006 min  
 Lab File: VD075768.D  
 Acq: 21 Apr 2023 10:19

Tgt Ion: 173 Resp: 69781  
 Ion Ratio Lower Upper  
 173 100  
 175 46.7 39.4 59.0  
 254 9.1 7.4 11.2

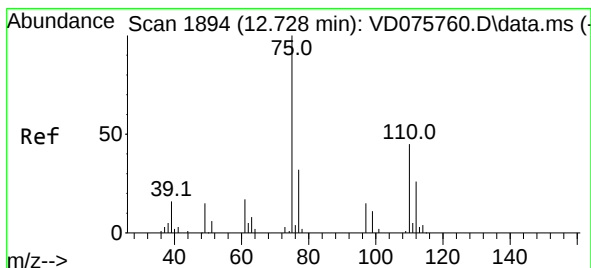
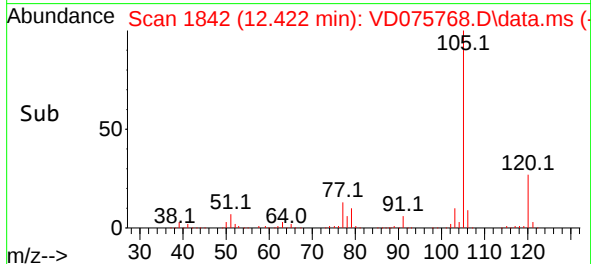
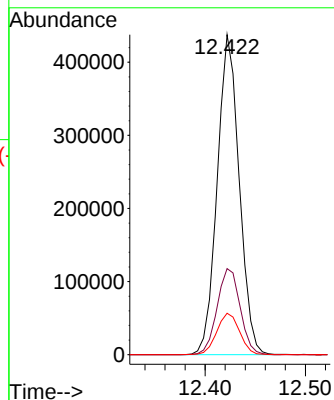
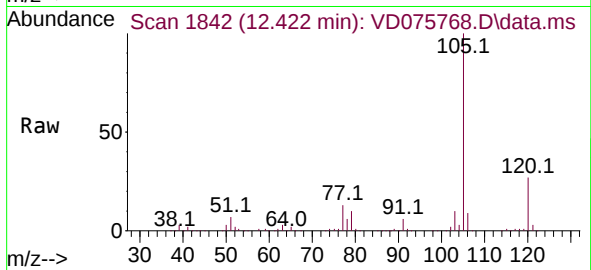




#60  
Isopropylbenzene  
Concen: 25.831 ug/L  
RT: 12.422 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

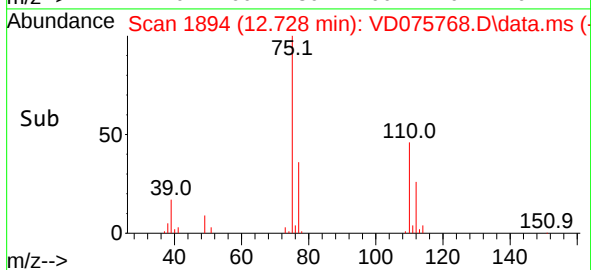
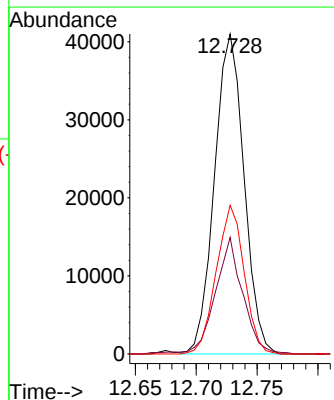
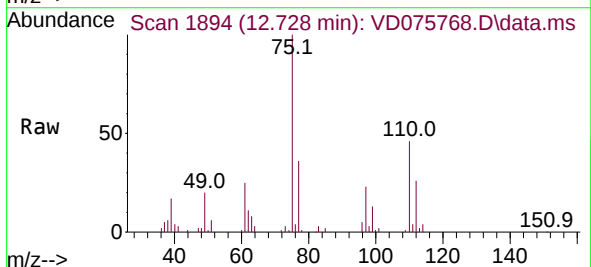
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD025128

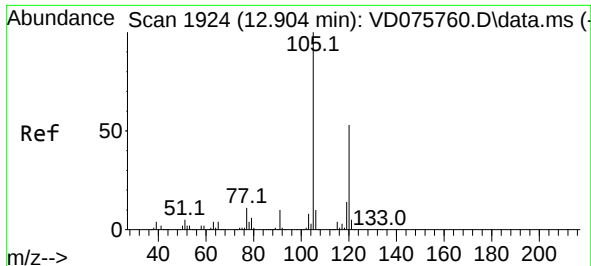
Tgt Ion:105 Resp: 665946  
Ion Ratio Lower Upper  
105 100  
120 28.2 22.7 34.1  
77 13.4 10.9 16.3



#61  
1,2,3-Trichloropropane  
Concen: 22.628 ug/L  
RT: 12.728 min Scan# 1894  
Delta R.T. -0.000 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

Tgt Ion: 75 Resp: 69112  
Ion Ratio Lower Upper  
75 100  
77 33.5 26.6 39.8  
110 43.9 33.5 50.3

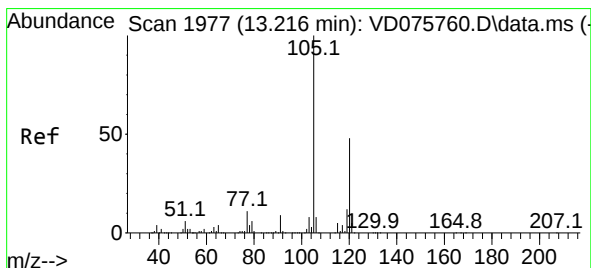
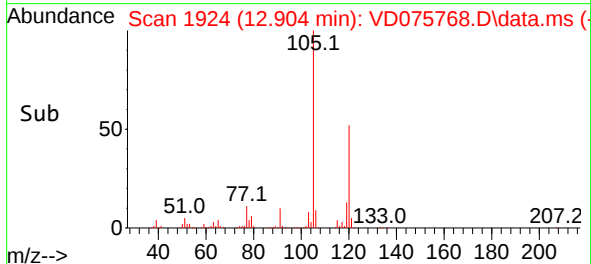
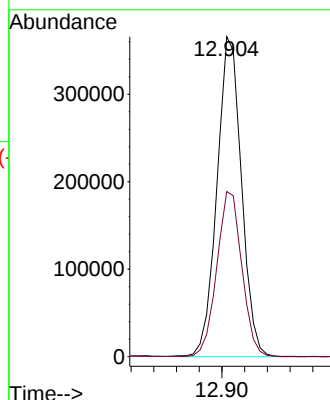
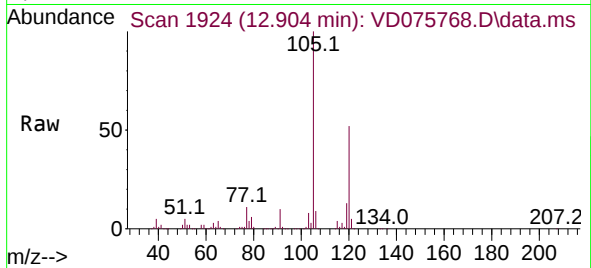




#62  
1,3,5-Trimethylbenzene  
Concen: 28.518 ug/L  
RT: 12.904 min Scan# 1924  
Delta R.T. -0.000 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

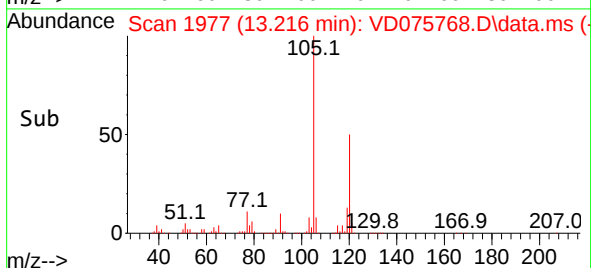
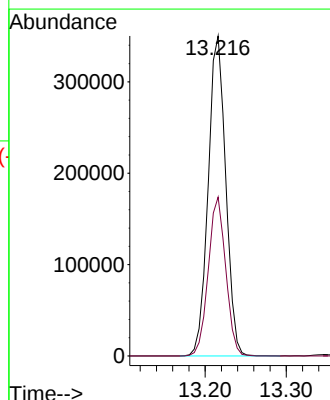
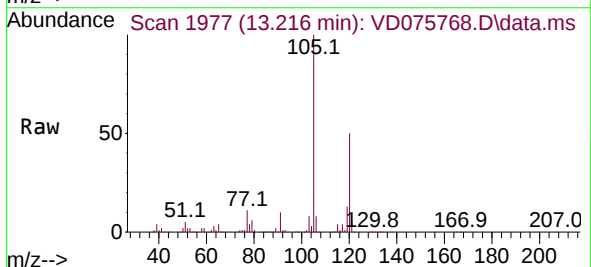
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD025128

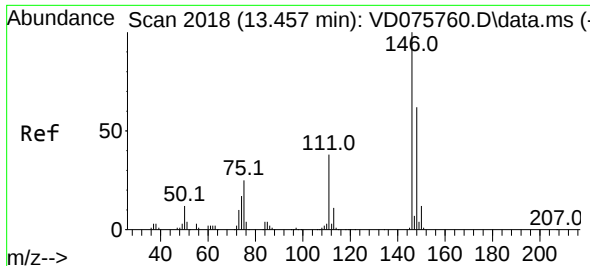
Tgt Ion:105 Resp: 548224  
Ion Ratio Lower Upper  
105 100  
120 52.8 42.0 63.0



#63  
1,2,4-Trimethylbenzene  
Concen: 28.345 ug/L  
RT: 13.216 min Scan# 1977  
Delta R.T. -0.000 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

Tgt Ion:105 Resp: 525266  
Ion Ratio Lower Upper  
105 100  
120 49.2 39.0 58.6

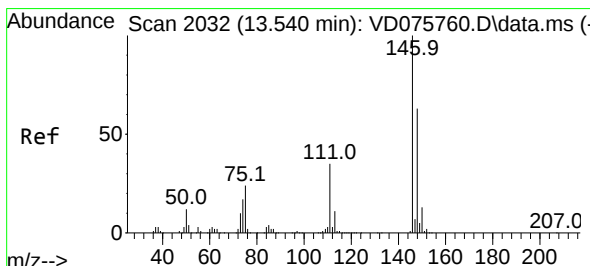
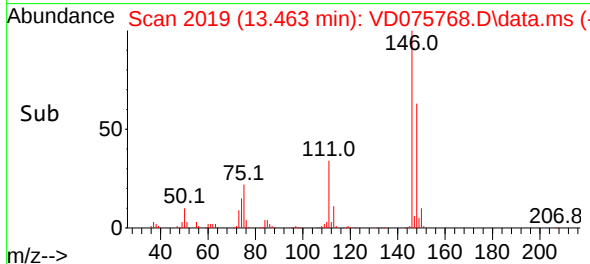
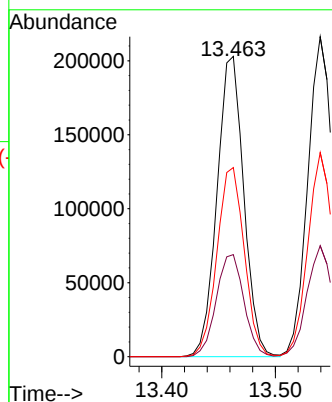
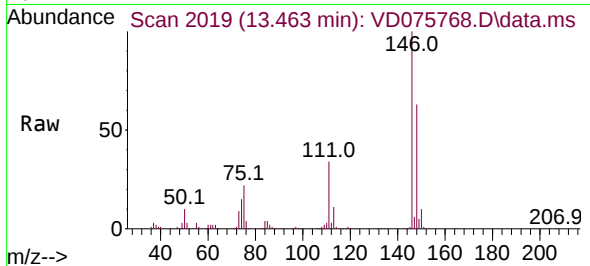




#64  
1,3-Dichlorobenzene  
Concen: 27.013 ug/L  
RT: 13.463 min Scan# 2018  
Delta R.T. 0.006 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

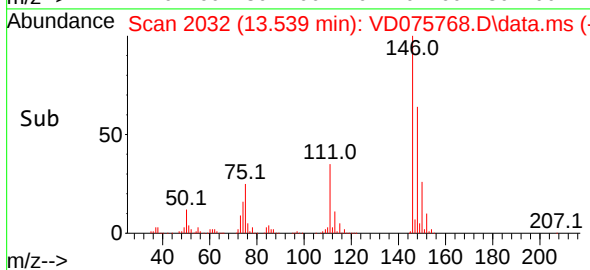
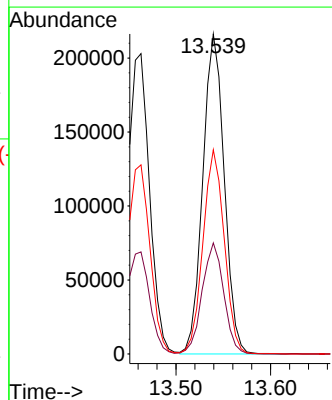
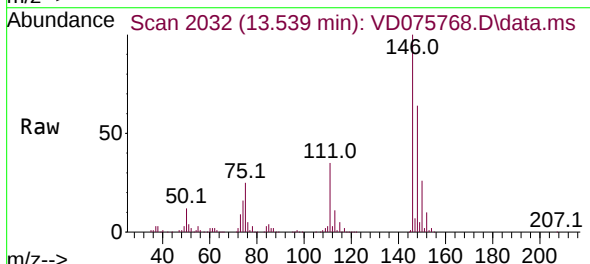
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD025128

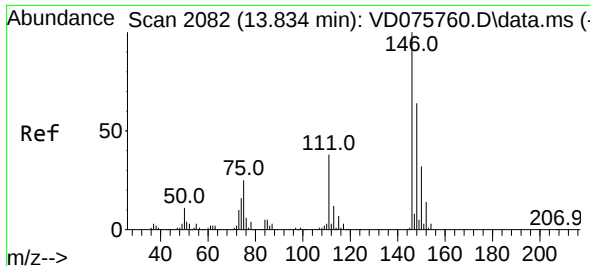
Tgt Ion:146 Resp: 333218  
Ion Ratio Lower Upper  
146 100  
111 34.0 26.5 49.1  
148 63.0 43.8 81.3



#65  
1,4-Dichlorobenzene  
Concen: 26.242 ug/L  
RT: 13.539 min Scan# 2032  
Delta R.T. -0.000 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

Tgt Ion:146 Resp: 339729  
Ion Ratio Lower Upper  
146 100  
111 34.7 24.6 45.8  
148 63.8 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 23.968 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD075768.D

Acq: 21 Apr 2023 10:19

Instrument :

MSVOA\_D

ClientSampleId :

VSTD025128

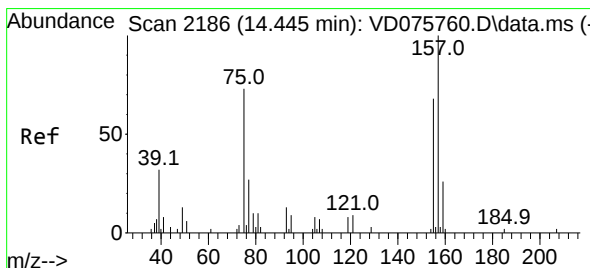
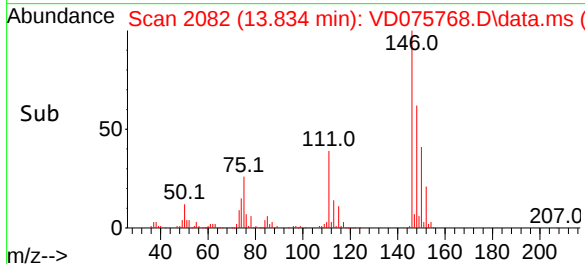
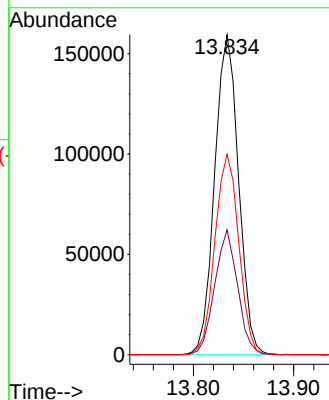
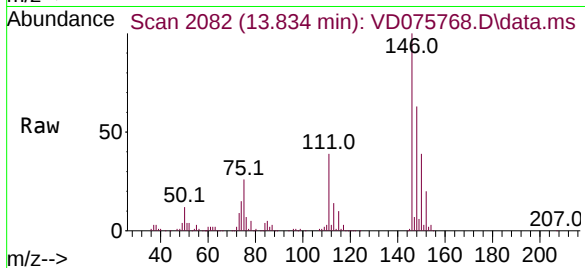
Tgt Ion:146 Resp: 264021

Ion Ratio Lower Upper

146 100

111 39.0 30.6 46.0

148 62.6 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 22.721 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. 0.006 min

Lab File: VD075768.D

Acq: 21 Apr 2023 10:19

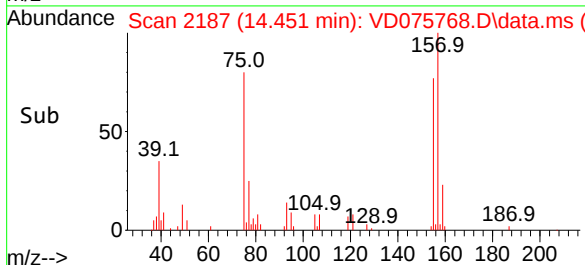
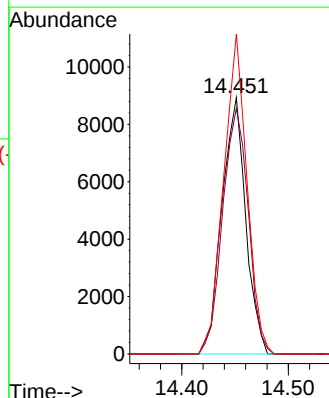
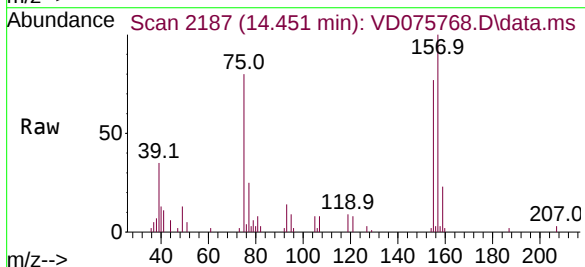
Tgt Ion: 75 Resp: 13873

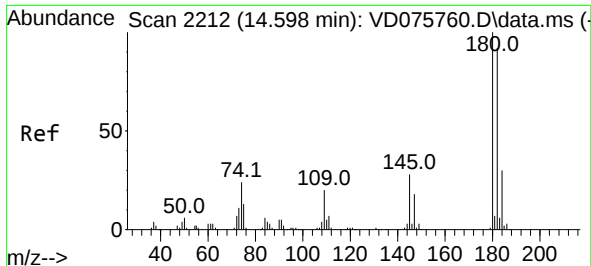
Ion Ratio Lower Upper

75 100

155 95.8 74.6 111.8

157 124.8 109.4 164.2

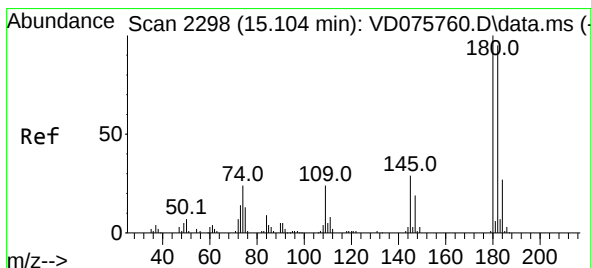
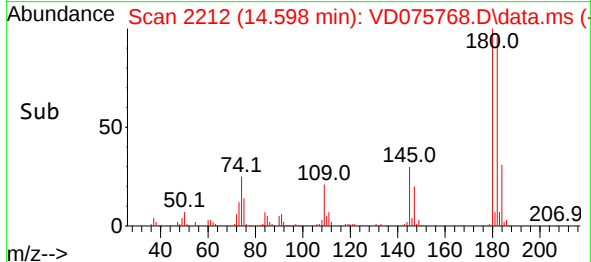
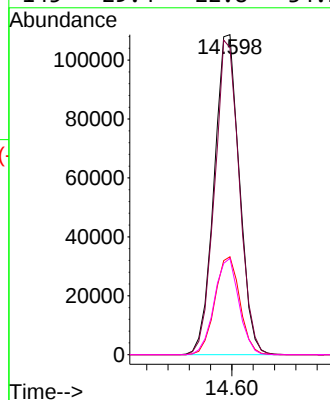
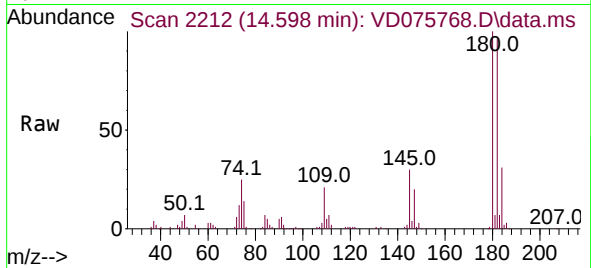




#69  
 1,3,5-Trichlorobenzene  
 Concen: 21.583 ug/L  
 RT: 14.598 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VD075768.D  
 Acq: 21 Apr 2023 10:19

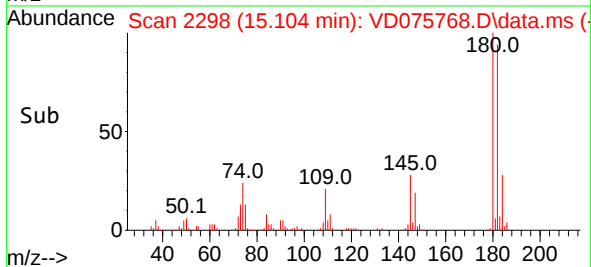
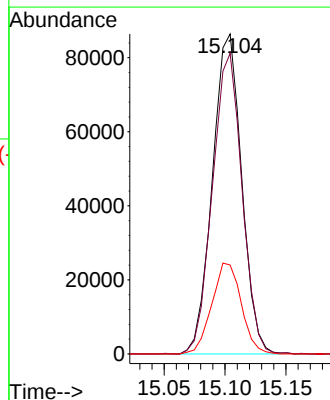
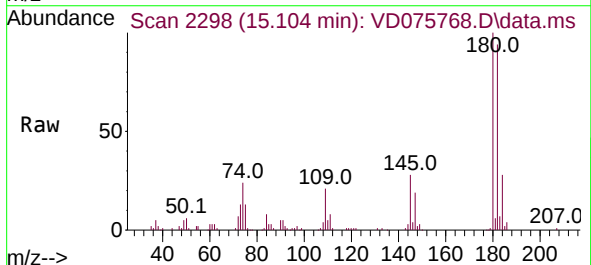
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025128

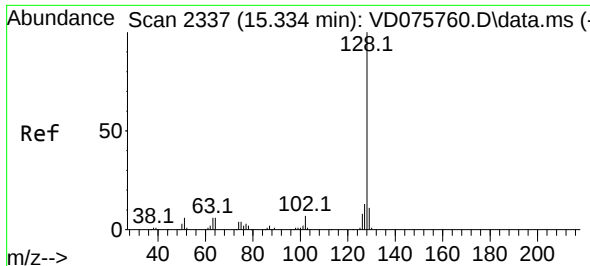
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 178444 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 96.1  | 74.9  | 112.3  |
| 184      | 30.2  | 25.0  | 37.4   |
| 145      | 29.4  | 22.8  | 34.2   |



#70  
 1,2,4-trichlorobenzene  
 Concen: 21.082 ug/L  
 RT: 15.104 min Scan# 2298  
 Delta R.T. -0.000 min  
 Lab File: VD075768.D  
 Acq: 21 Apr 2023 10:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 144447 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 94.5  | 75.4  | 113.2  |
| 145      | 28.6  | 23.6  | 35.4   |

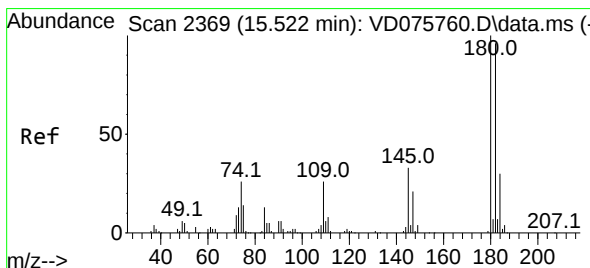
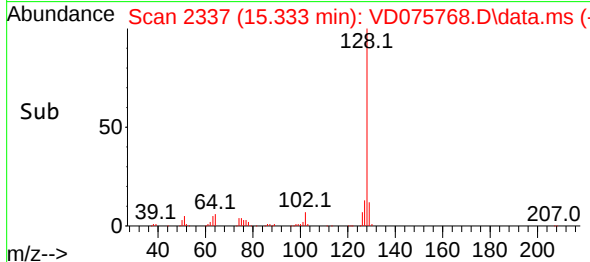
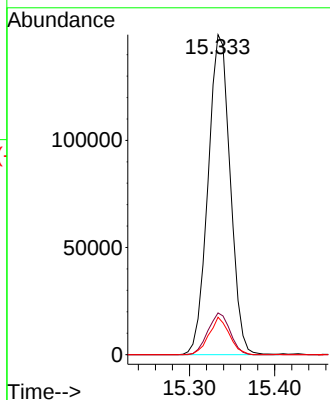
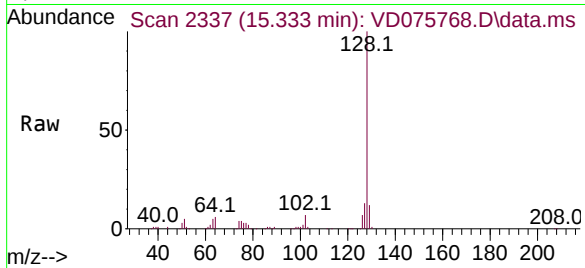




#71  
Naphthalene  
Concen: 21.534 ug/L  
RT: 15.333 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD025128

Tgt Ion:128 Resp: 270003  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.5 15.7  
129 10.7 9.1 13.7



#72  
1,2,3-Trichlorobenzene  
Concen: 21.316 ug/L  
RT: 15.522 min Scan# 2369  
Delta R.T. -0.000 min  
Lab File: VD075768.D  
Acq: 21 Apr 2023 10:19

Tgt Ion:180 Resp: 130367  
Ion Ratio Lower Upper  
180 100  
182 93.6 76.3 114.5  
145 30.9 25.0 37.6

