

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VW111924\  
 Data File : VW038183.D  
 Acq On : 19 Nov 2024 17:44  
 Operator : SY/MD  
 Sample : P4882-05  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 20 00:15:13 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 19 22:47:22 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.529  | 114   | 222289   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.780  | 117   | 245124   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.181 | 152   | 104619   | 5.000    | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 80535    | 4.727    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 94.600%   |
| 7) Chloroethane-d5            | 1.529  | 69    | 76204    | 5.529    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 110.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65    | 36773    | 5.015    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 100.400%  |
| 20) 2-Butanone-d5             | 3.780  | 46    | 187391   | 54.979   | ug/L   | -0.02     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 109.960%  |
| 24) Chloroform-d              | 4.240  | 84    | 177509   | 5.368    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 107.400%  |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65    | 86755    | 5.847    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 117.000%  |
| 32) Benzene-d6                | 4.953  | 84    | 324384   | 5.120    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 102.400%  |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67    | 105403   | 5.407    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 108.200%  |
| 41) Toluene-d8                | 7.236  | 98    | 259455   | 4.426    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 88.600%   |
| 43) trans-1,3-Dichloroprop... | 7.555  | 79    | 35947    | 4.960    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 99.200%   |
| 46) 2-Hexanone-d5             | 8.018  | 63    | 163790   | 58.135   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 116.280%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146 | 84    | 91353    | 5.520    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 110.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.554 | 152   | 107653   | 6.039    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 120.800%# |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 1.105  | 85    | 2334     | 0.111    | ug/L   | 99        |
| 3) Chloromethane              | 1.214  | 50    | 5917     | 0.327    | ug/L   | 88        |
| 5) Vinyl chloride             | 1.278  | 62    | 515      | 0.025    | ug/L # | 1         |
| 6) Bromomethane               | 1.490  | 94    | 635      | 0.079    | ug/L   | 96        |
| 8) Chloroethane               | 1.545  | 64    | 522      | 0.040    | ug/L # | 59        |
| 9) Trichlorofluoromethane     | 1.709  | 101   | 4153     | 0.142    | ug/L   | 100       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.056  | 101   | 2470     | 0.148    | ug/L # | 73        |
| 12) 1,1-Dichloroethene        | 2.056  | 96    | 1446     | 0.091    | ug/L # | 1         |
| 13) Acetone                   | 1.963  | 43    | 17505    | 6.944    | ug/L   | 42        |
| 14) Carbon disulfide          | 2.233  | 76    | 1439     | 0.028    | ug/L # | 75        |
| 15) Methyl Acetate            | 2.452  | 43    | 381      | 0.062    | ug/L # | 47        |
| 16) Methylene chloride        | 2.439  | 84    | 16163    | 0.893    | ug/L   | 92        |
| 17) Methyl tert-butyl Ether   | 2.699  | 73    | 16169    | 0.450    | ug/L # | 95        |
| 18) trans-1,2-Dichloroethene  | 2.690  | 96    | 43       | 0.003    | ug/L # | 1         |
| 19) 1,1-Dichloroethane        | 3.111  | 63    | 3215     | 0.106    | ug/L   | 93        |
| 21) 2-Butanone                | 3.870  | 43    | 300      | 0.083    | ug/L # | 49        |
| 22) cis-1,2-Dichloroethene    | 3.818  | 96    | 2815     | 0.163    | ug/L   | 83        |
| 25) Chloroform                | 4.269  | 83    | 24230    | 0.746    | ug/L   | 95        |
| 27) 1,2-Dichloroethane        | 5.066  | 62    | 1809     | 0.102    | ug/L # | 83        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV111924\  
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 Sample : P4882-05  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 20 00:15:13 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 19 22:47:22 2024  
 Response via : Initial Calibration

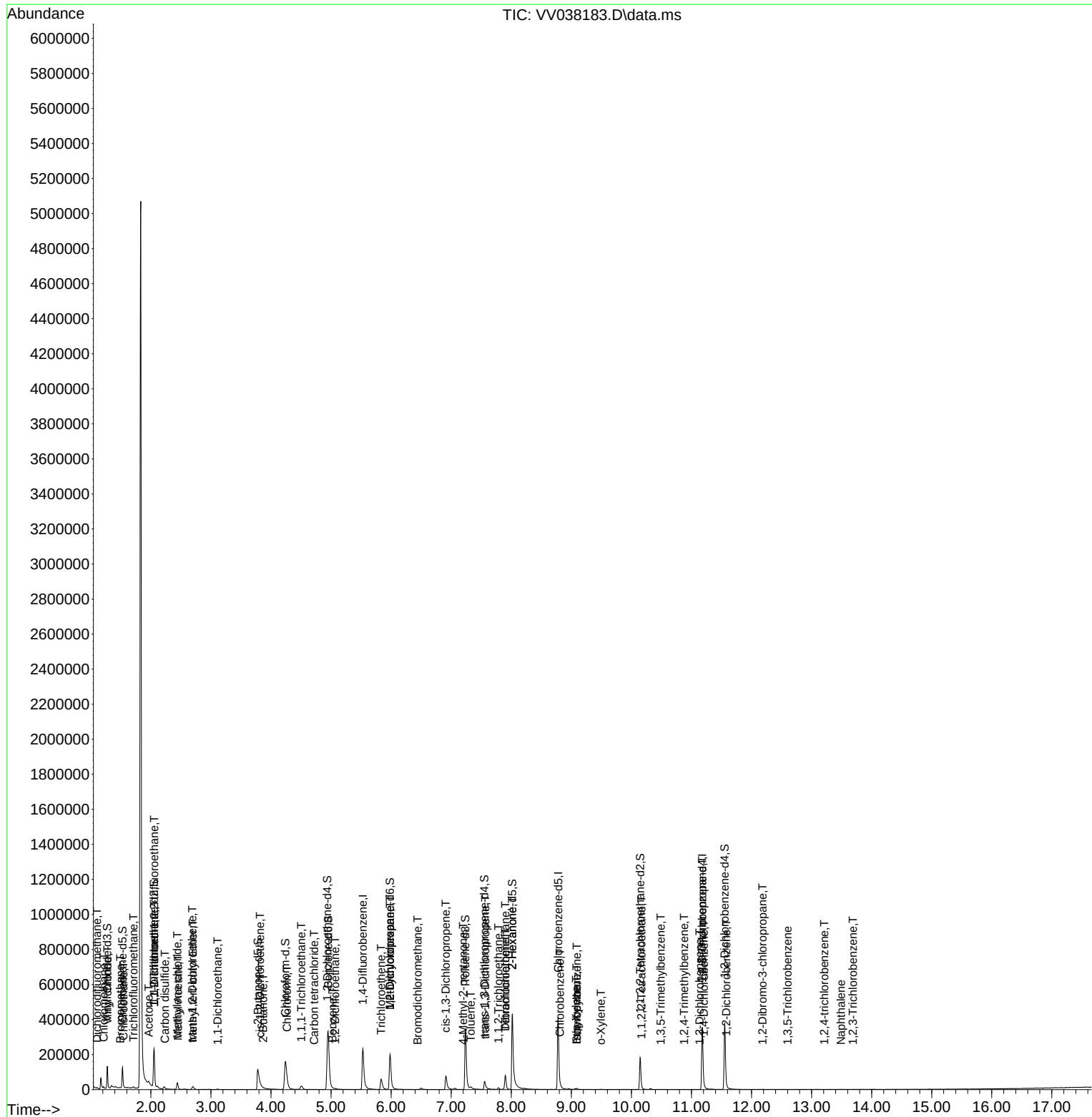
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 29) 1,1,1-Trichloroethane     | 4.506  | 97   | 17727    | 0.603 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.719  | 117  | 69       | 0.003 | ug/L # | 1        |
| 33) Benzene                   | 5.024  | 78   | 669      | 0.010 | ug/L   | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 24536    | 1.307 | ug/L   | 97       |
| 35) Methylcyclohexane         | 5.982  | 83   | 25780    | 0.971 | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 5.982  | 63   | 11744    | 0.681 | ug/L # | 86       |
| 38) Bromodichloromethane      | 6.439  | 83   | 73       | 0.003 | ug/L # | 26       |
| 39) cis-1,3-Dichloropropene   | 6.908  | 75   | 2252     | 0.094 | ug/L # | 71       |
| 40) 4-Methyl-2-pentanone      | 7.198  | 43   | 174      | 0.019 | ug/L # | 41       |
| 42) Toluene                   | 7.326  | 91   | 10791    | 0.148 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.567  | 75   | 1231     | 0.061 | ug/L # | 71       |
| 45) 1,1,2-Trichloroethane     | 7.786  | 97   | 139      | 0.010 | ug/L # | 1        |
| 47) Tetrachloroethene         | 7.902  | 164  | 19016    | 1.261 | ug/L   | 97       |
| 48) 2-Hexanone                | 8.018  | 43   | 19405    | 2.964 | ug/L # | 68       |
| 49) Dibromochloromethane      | 7.902  | 129  | 19148    | 1.256 | ug/L # | 11       |
| 51) Chlorobenzene             | 8.812  | 112  | 6577     | 0.131 | ug/L   | 92       |
| 52) Ethylbenzene              | 9.088  | 91   | 4395     | 0.057 | ug/L   | 92       |
| 53) m,p-Xylene                | 9.082  | 106  | 1301     | 0.045 | ug/L   | 89       |
| 54) o-Xylene                  | 9.490  | 106  | 112      | 0.004 | ug/L   | 88       |
| 57) 1,1,2,2-Tetrachloroethane | 10.169 | 83   | 1687     | 0.103 | ug/L # | 55       |
| 60) Isopropylbenzene          | 9.091  | 105  | 1134     | 0.019 | ug/L # | 56       |
| 61) 1,2,3-Trichloropropane    | 11.178 | 75   | 11857    | 1.324 | ug/L # | 65       |
| 62) 1,3,5-Trimethylbenzene    | 10.490 | 105  | 82       | 0.002 | ug/L # | 28       |
| 63) 1,2,4-Trimethylbenzene    | 10.876 | 105  | 395      | 0.008 | ug/L # | 49       |
| 64) 1,3-Dichlorobenzene       | 11.136 | 146  | 252      | 0.008 | ug/L # | 74       |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 794      | 0.024 | ug/L # | 81       |
| 67) 1,2-Dichlorobenzene       | 11.580 | 146  | 1693     | 0.057 | ug/L # | 88       |
| 68) 1,2-Dibromo-3-chloropr... | 12.185 | 75   | 21       | 0.010 | ug/L # | 2        |
| 69) 1,3,5-Trichlorobenzene    | 12.603 | 180  | 239      | 0.010 | ug/L # | 26       |
| 70) 1,2,4-trichlorobenzene    | 13.213 | 180  | 225      | 0.012 | ug/L # | 78       |
| 71) Naphthalene               | 13.487 | 128  | 421      | 0.014 | ug/L # | 70       |
| 72) 1,2,3-Trichlorobenzene    | 13.689 | 180  | 48       | 0.003 | ug/L # | 80       |
| -----                         |        |      |          |       |        |          |

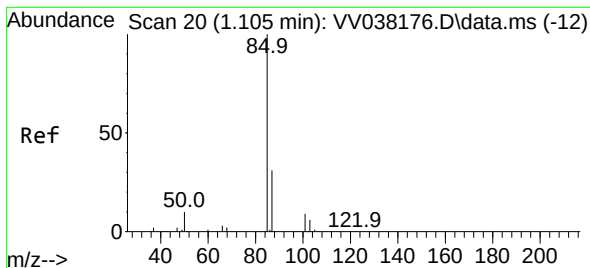
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV111924\  
Data File : VV038183.D  
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Operator : SY/MD  
Sample : P4882-05  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

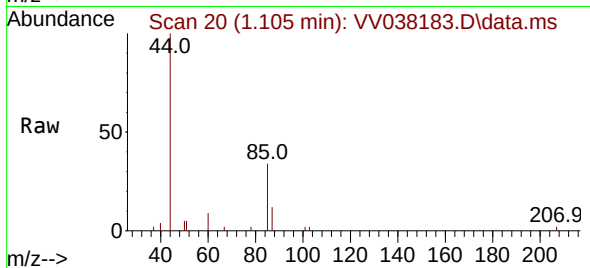
Quant Time: Nov 20 00:15:13 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111924WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Nov 19 22:47:22 2024  
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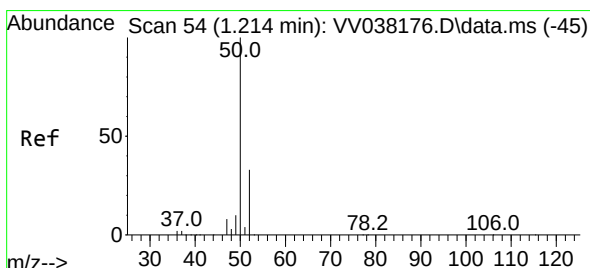
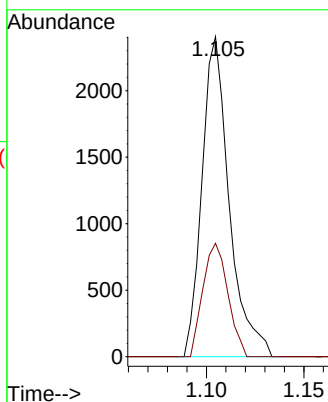
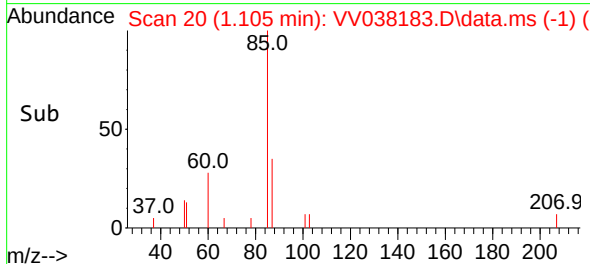


#2  
 Dichlorodifluoromethane  
 Concen: 0.111 ug/L  
 RT: 1.105 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VV038183.D  
 Acq: 19 Nov 2024 17:44

Instrument :  
 MSVOA\_V  
 ClientSampleId :

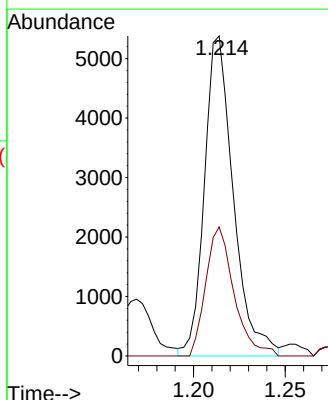
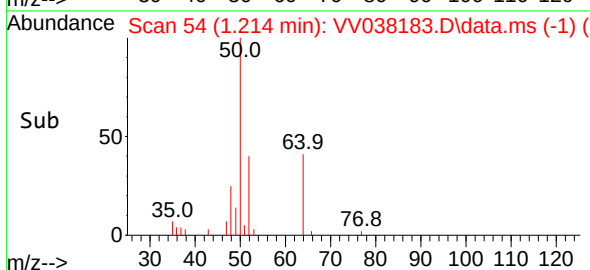
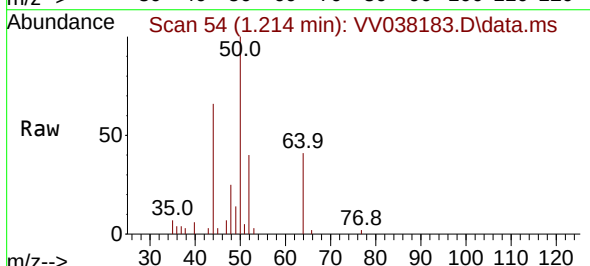


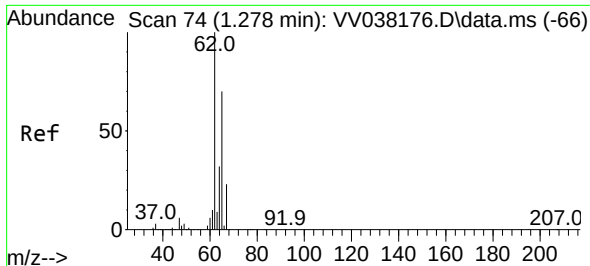
Tgt Ion: 85 Resp: 2334  
 Ion Ratio Lower Upper  
 85 100  
 87 32.5 26.5 39.7



#3  
 Chloromethane  
 Concen: 0.327 ug/L  
 RT: 1.214 min Scan# 54  
 Delta R.T. 0.000 min  
 Lab File: VV038183.D  
 Acq: 19 Nov 2024 17:44

Tgt Ion: 50 Resp: 5917  
 Ion Ratio Lower Upper  
 50 100  
 52 40.3 23.5 43.7

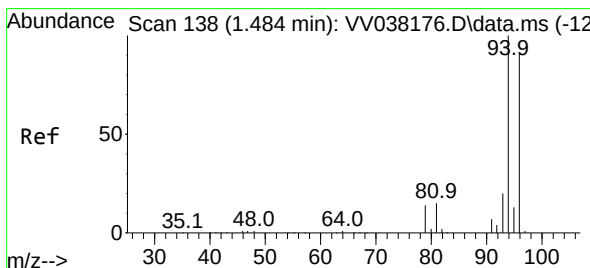
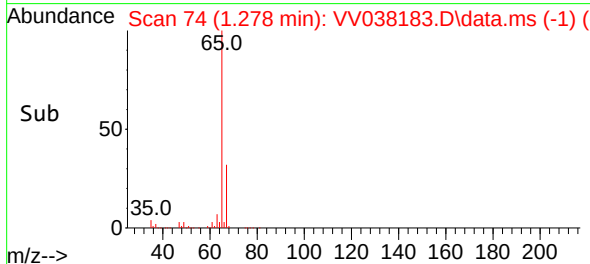
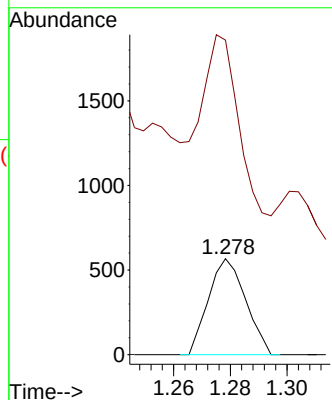
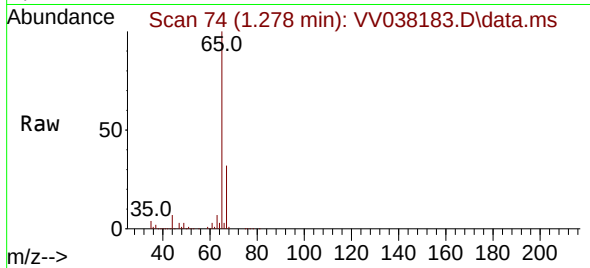




#5  
 Vinyl chloride  
 Concen: 0.025 ug/L  
 RT: 1.278 min Scan# 74  
 Delta R.T. 0.000 min  
 Lab File: VV038183.D  
 Acq: 19 Nov 2024 17:44

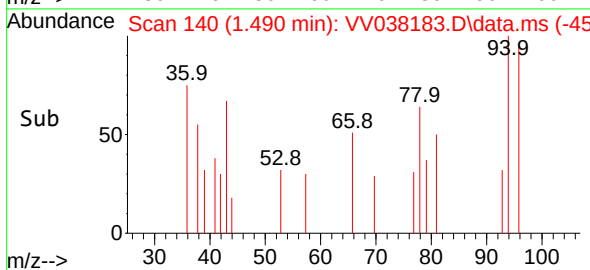
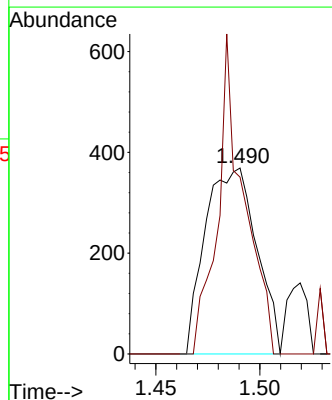
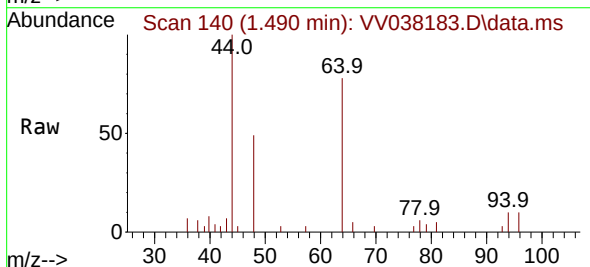
Instrument :  
 MSVOA\_V  
 ClientSampleId :

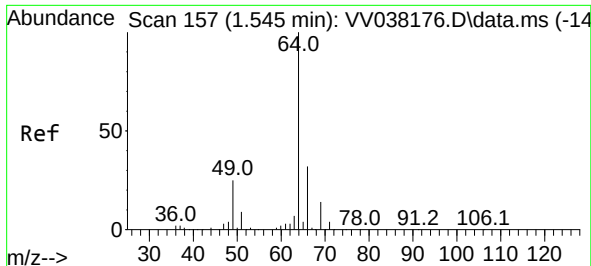
Tgt Ion: 62 Resp: 515  
 Ion Ratio Lower Upper  
 62 100  
 64 327.9 24.4 45.4#



#6  
 Bromomethane  
 Concen: 0.079 ug/L  
 RT: 1.490 min Scan# 140  
 Delta R.T. 0.007 min  
 Lab File: VV038183.D  
 Acq: 19 Nov 2024 17:44

Tgt Ion: 94 Resp: 635  
 Ion Ratio Lower Upper  
 94 100  
 96 95.1 63.7 118.3

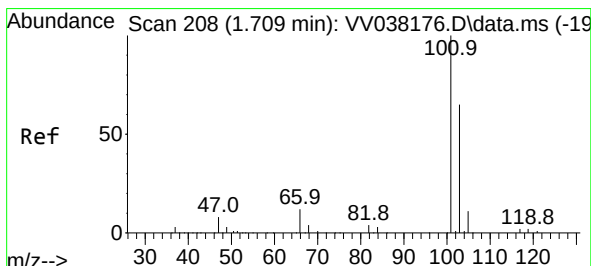
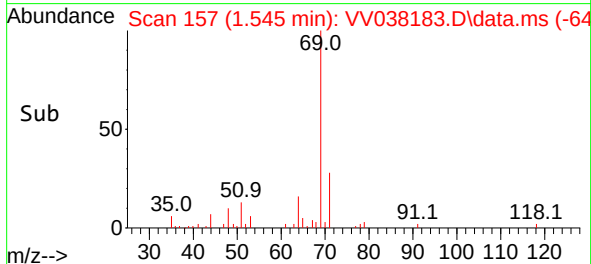
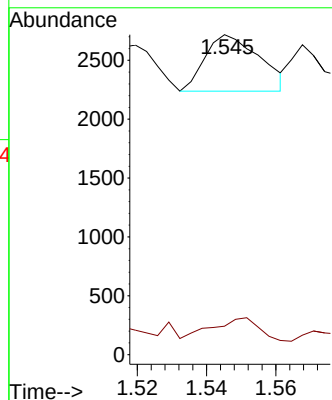
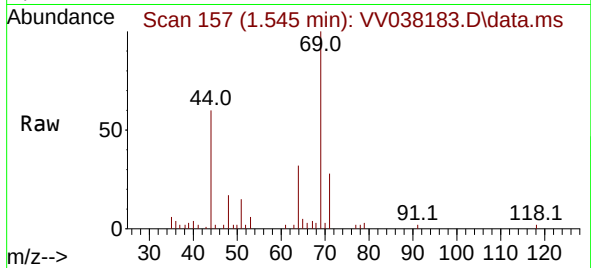




#8  
Chloroethane  
Concen: 0.040 ug/L  
RT: 1.545 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV038183.D  
Acq: 19 Nov 2024 17:44

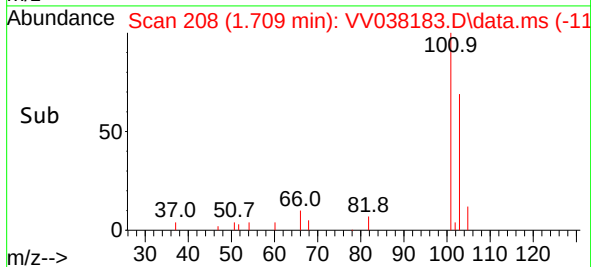
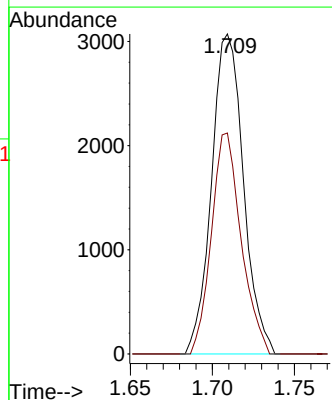
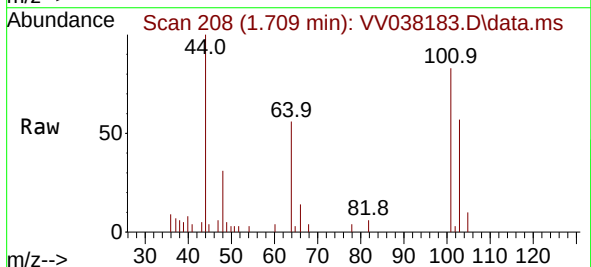
Instrument :  
MSVOA\_V  
ClientSampleId :

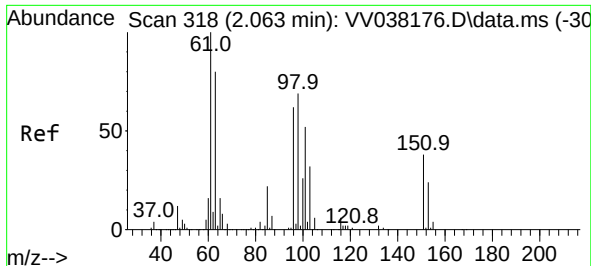
Tgt Ion: 64 Resp: 522  
Ion Ratio Lower Upper  
64 100  
66 8.9 22.0 40.8#



#9  
Trichlorofluoromethane  
Concen: 0.142 ug/L  
RT: 1.709 min Scan# 208  
Delta R.T. 0.000 min  
Lab File: VV038183.D  
Acq: 19 Nov 2024 17:44

Tgt Ion:101 Resp: 4153  
Ion Ratio Lower Upper  
101 100  
103 64.2 51.5 77.3

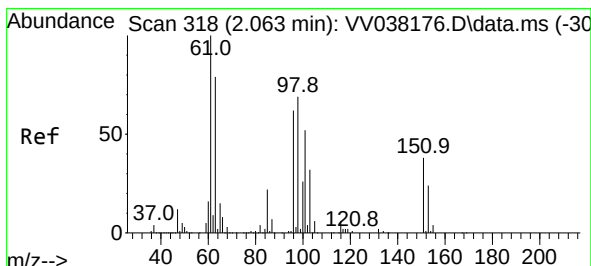
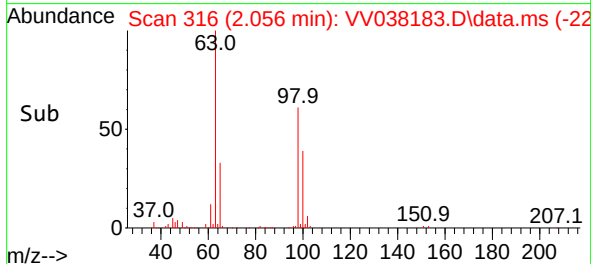
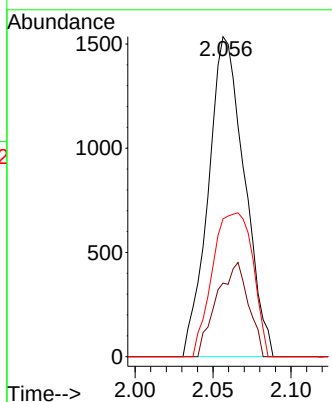
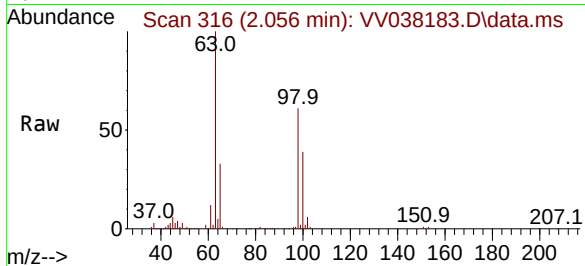




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.148 ug/L  
 RT: 2.056 min Scan# 316  
 Delta R.T. -0.006 min  
 Lab File: VV038183.D  
 Acq: 19 Nov 2024 17:44

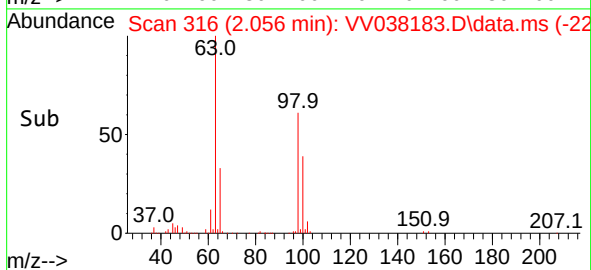
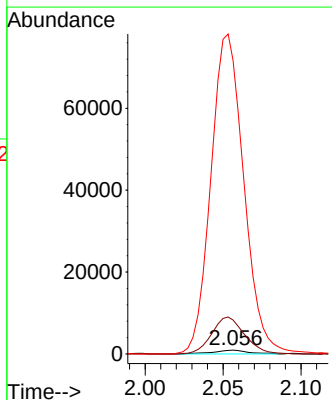
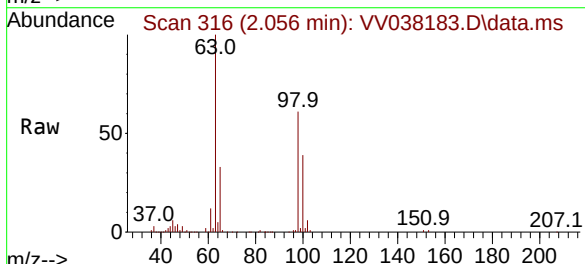
Instrument :  
 MSVOA\_V  
 ClientSampleId :

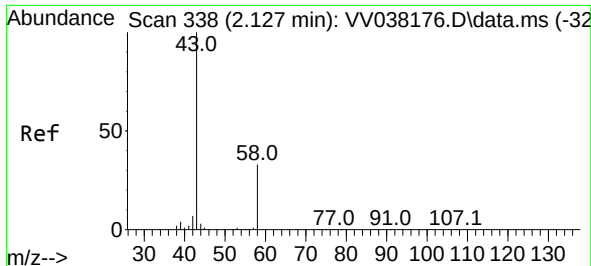
Tgt Ion:101 Resp: 2470  
 Ion Ratio Lower Upper  
 101 100  
 85 25.8 33.4 50.0#  
 151 50.3 58.8 88.2#



#12  
 1,1-Dichloroethene  
 Concen: 0.091 ug/L  
 RT: 2.056 min Scan# 316  
 Delta R.T. -0.006 min  
 Lab File: VV038183.D  
 Acq: 19 Nov 2024 17:44

Tgt Ion: 96 Resp: 1446  
 Ion Ratio Lower Upper  
 96 100  
 61 897.8 115.7 214.9#  
 63 7757.6 101.1 187.7#





#13

Acetone

Concen: 6.944 ug/L

RT: 1.963 min Scan# 21

Delta R.T. -0.164 min

Lab File: VV038183.D

Acq: 19 Nov 2024 17:44

Instrument :

MSVOA\_V

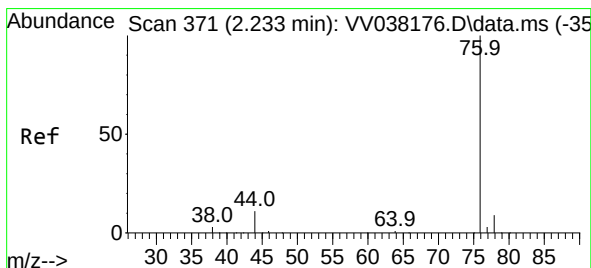
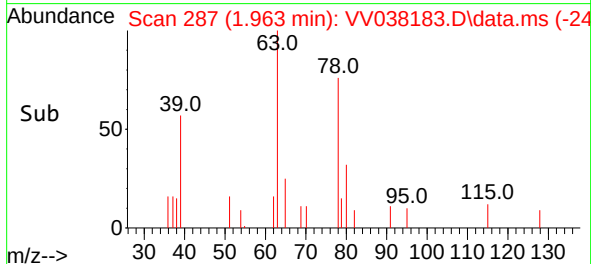
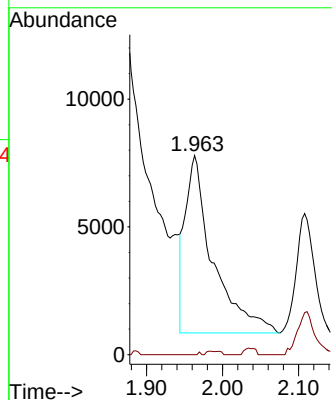
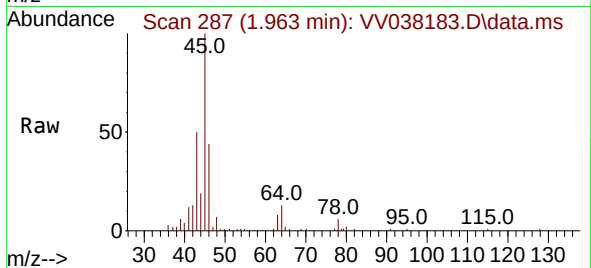
ClientSampleId :

Tgt Ion: 43 Resp: 17505

Ion Ratio Lower Upper

43 100

58 0.6 0.0 67.2



#14

Carbon disulfide

Concen: 0.028 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.000 min

Lab File: VV038183.D

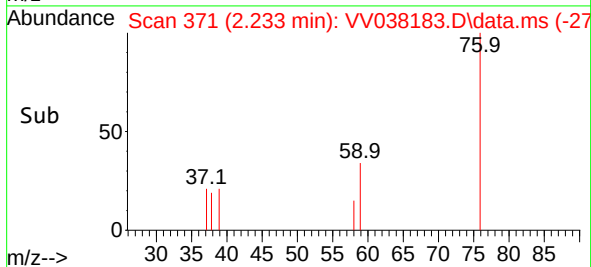
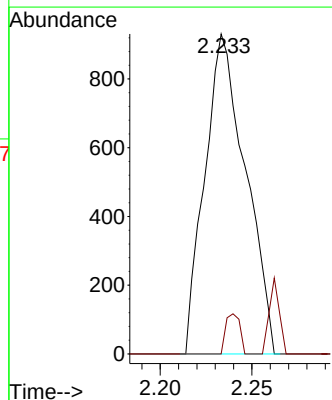
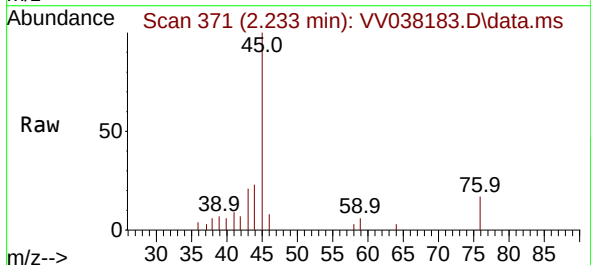
Acq: 19 Nov 2024 17:44

Tgt Ion: 76 Resp: 1439

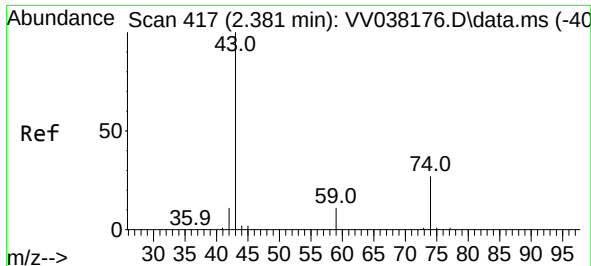
Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



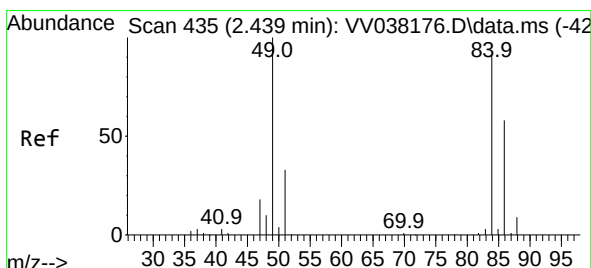
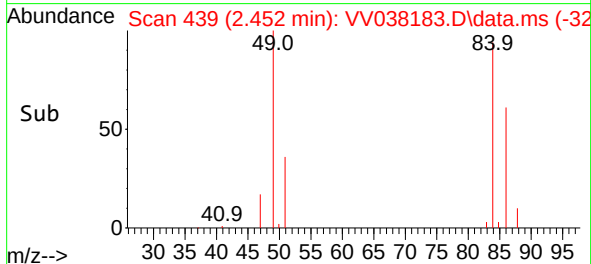
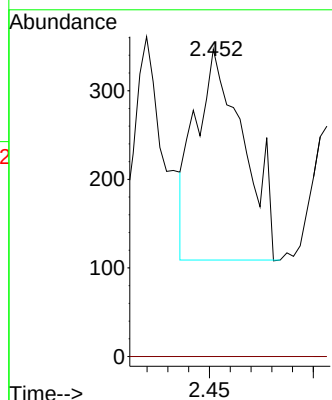
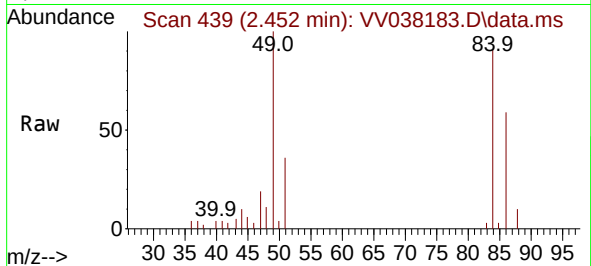




#15  
Methyl Acetate  
Concen: 0.062 ug/L  
RT: 2.452 min Scan# 417  
Delta R.T. 0.071 min  
Lab File: VV038183.D  
Acq: 19 Nov 2024 17:44

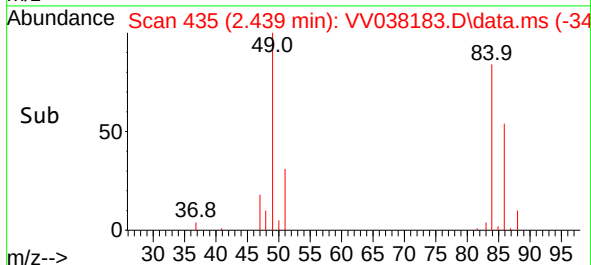
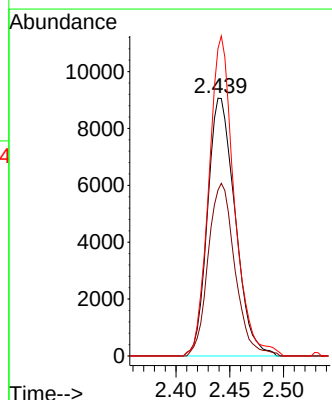
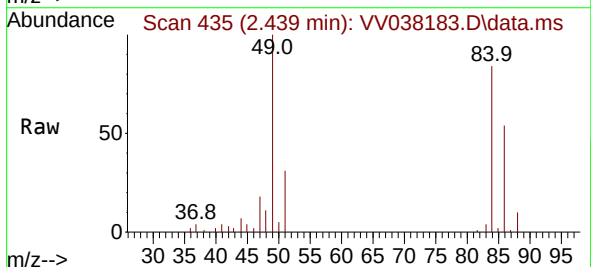
Instrument :  
MSVOA\_V  
ClientSampleId :

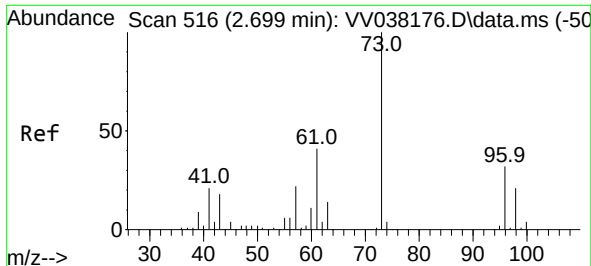
Tgt Ion: 43 Resp: 381  
Ion Ratio Lower Upper  
43 100  
74 0.0 22.4 33.6#



#16  
Methylene chloride  
Concen: 0.893 ug/L  
RT: 2.439 min Scan# 435  
Delta R.T. 0.000 min  
Lab File: VV038183.D  
Acq: 19 Nov 2024 17:44

Tgt Ion: 84 Resp: 16163  
Ion Ratio Lower Upper  
84 100  
86 64.3 44.2 82.2  
49 119.3 74.9 139.1

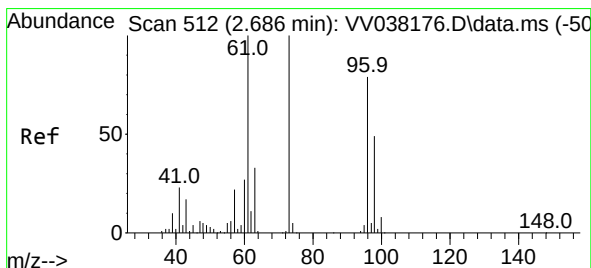
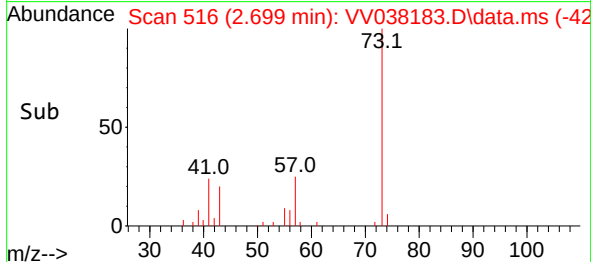
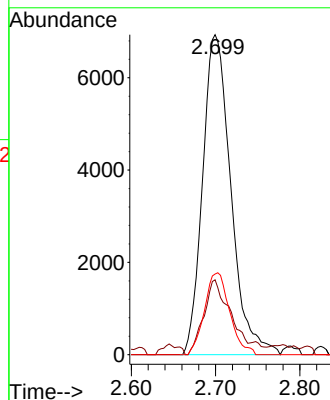
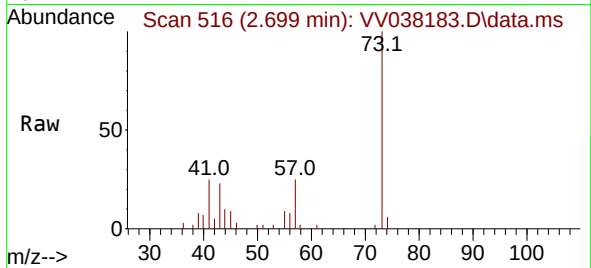




#17  
Methyl tert-butyl Ether  
Concen: 0.450 ug/L  
RT: 2.699 min Scan# 516  
Delta R.T. 0.000 min  
Lab File: VV038183.D  
Acq: 19 Nov 2024 17:44

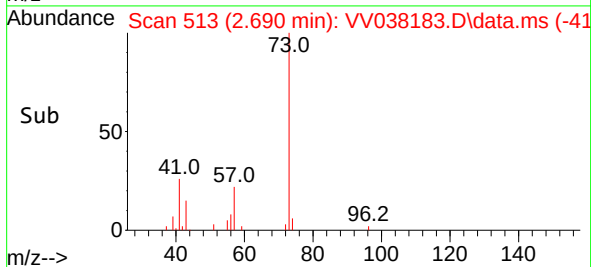
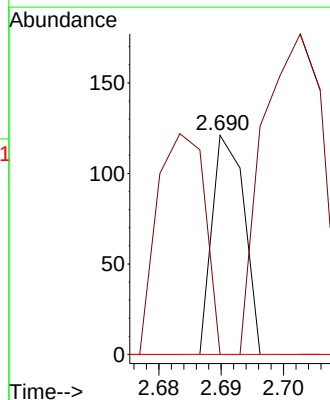
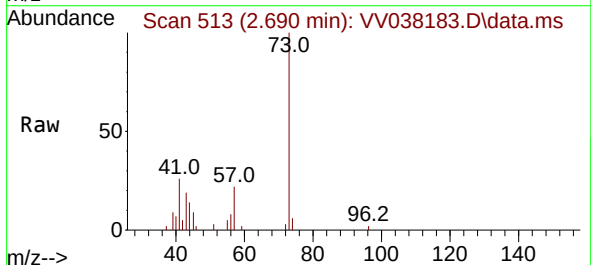
Instrument :  
MSVOA\_V  
ClientSampleId :

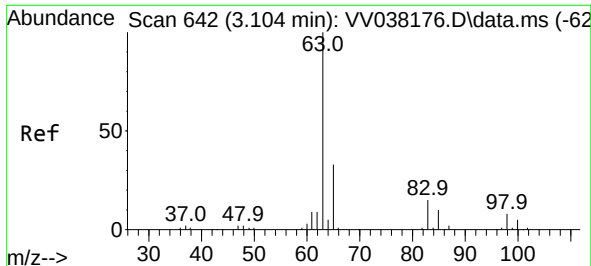
Tgt Ion: 73 Resp: 16169  
Ion Ratio Lower Upper  
73 100  
43 22.1 14.2 21.2#  
57 22.8 17.6 26.4



#18  
trans-1,2-Dichloroethene  
Concen: 0.003 ug/L  
RT: 2.690 min Scan# 513  
Delta R.T. 0.003 min  
Lab File: VV038183.D  
Acq: 19 Nov 2024 17:44

Tgt Ion: 96 Resp: 43  
Ion Ratio Lower Upper  
96 100  
61 0.0 88.5 164.4#  
98 0.0 43.9 81.5#





#19

1,1-Dichloroethane

Concen: 0.106 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.007 min

Lab File: VV038183.D

Acq: 19 Nov 2024 17:44

Instrument :

MSVOA\_V

ClientSampleId :

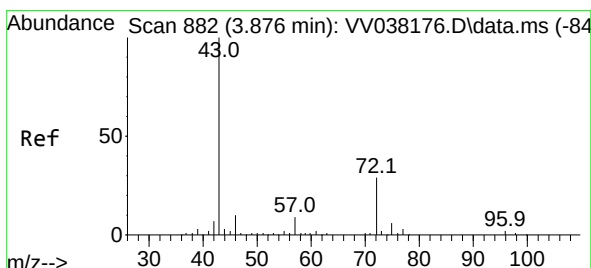
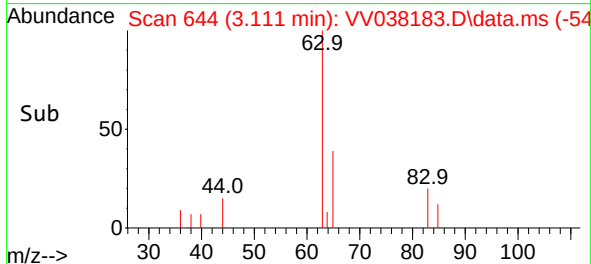
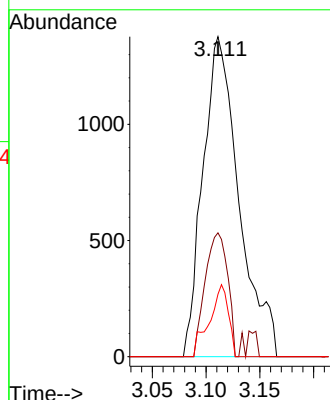
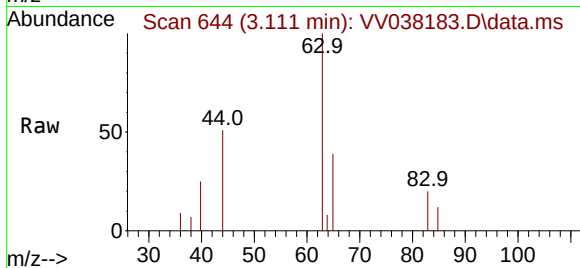
Tgt Ion: 63 Resp: 3215

Ion Ratio Lower Upper

63 100

65 35.7 22.5 41.7

83 18.0 10.1 18.9



#21

2-Butanone

Concen: 0.083 ug/L

RT: 3.870 min Scan# 880

Delta R.T. -0.006 min

Lab File: VV038183.D

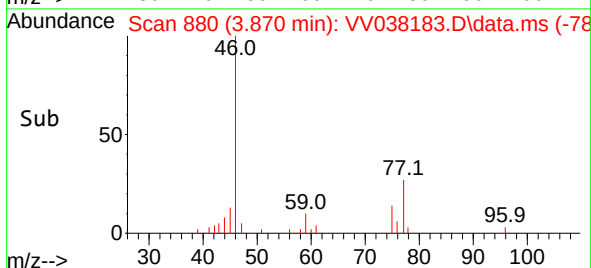
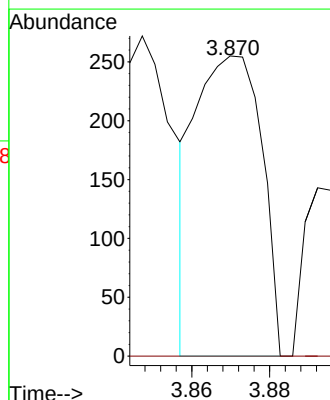
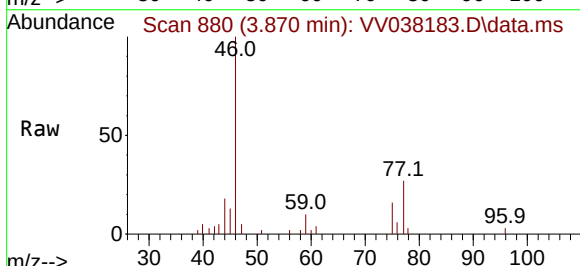
Acq: 19 Nov 2024 17:44

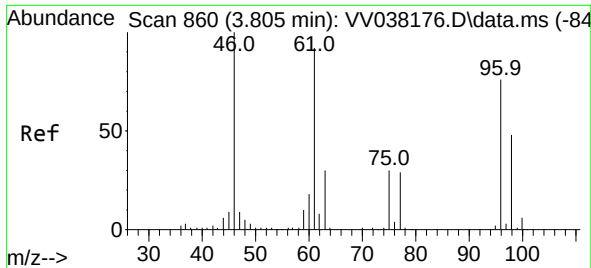
Tgt Ion: 43 Resp: 300

Ion Ratio Lower Upper

43 100

72 0.0 13.0 39.0#

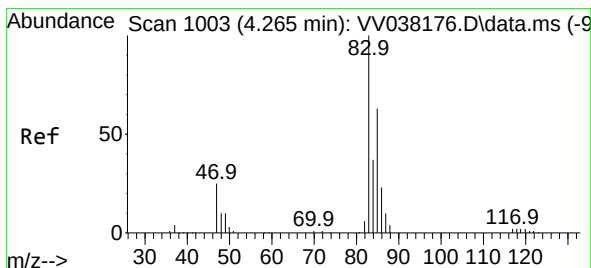
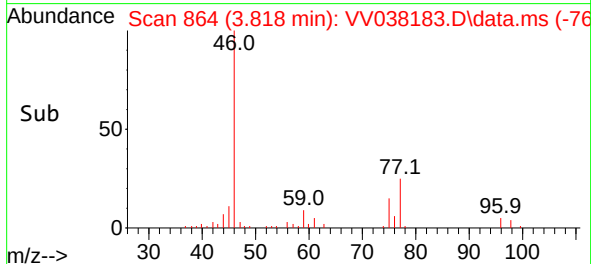
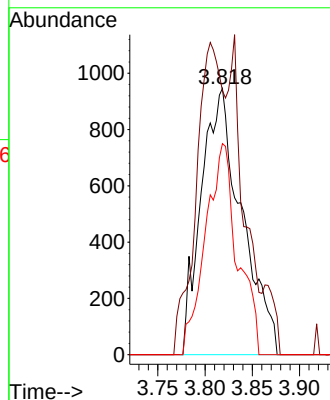
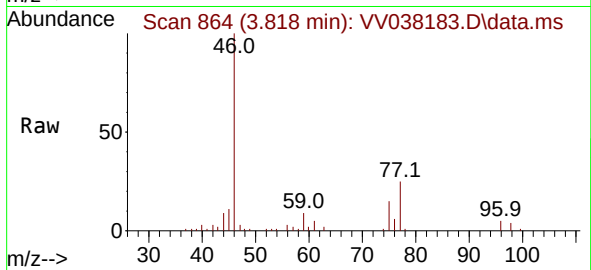




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.163 ug/L  
 RT: 3.818 min Scan# 864  
 Delta R.T. 0.013 min  
 Lab File: VV038183.D  
 Acq: 19 Nov 2024 17:44

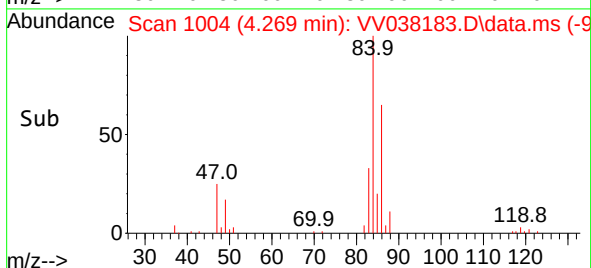
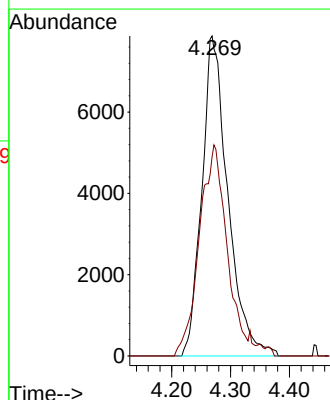
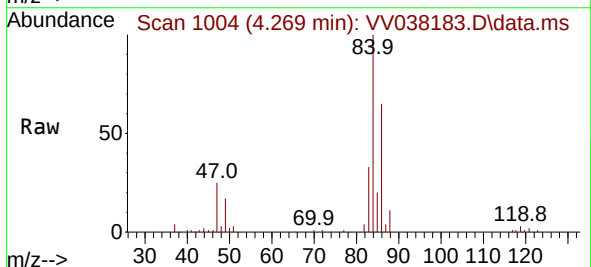
Instrument :  
 MSVOA\_V  
 ClientSampleId :

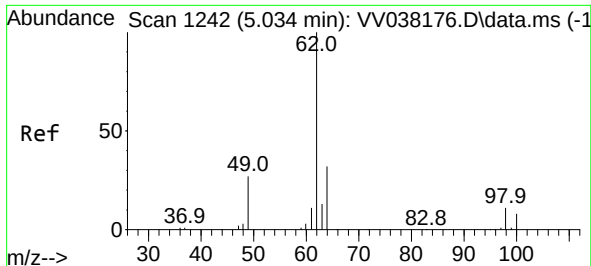
Tgt Ion: 96 Resp: 2815  
 Ion Ratio Lower Upper  
 96 100  
 61 99.2 82.7 153.5  
 98 79.3 46.3 85.9



#25  
 Chloroform  
 Concen: 0.746 ug/L  
 RT: 4.269 min Scan# 1004  
 Delta R.T. 0.003 min  
 Lab File: VV038183.D  
 Acq: 19 Nov 2024 17:44

Tgt Ion: 83 Resp: 24230  
 Ion Ratio Lower Upper  
 83 100  
 85 62.2 46.5 86.3





#27

1,2-Dichloroethane

Concen: 0.102 ug/L

RT: 5.066 min Scan# 11

Delta R.T. 0.032 min

Lab File: VV038183.D

Acq: 19 Nov 2024 17:44

Instrument :

MSVOA\_V

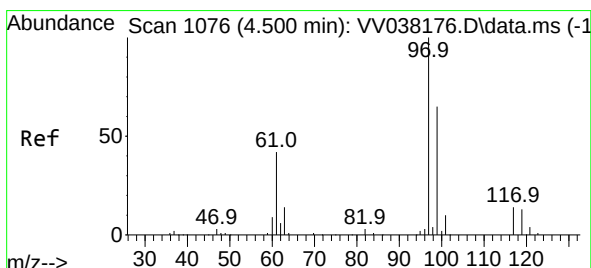
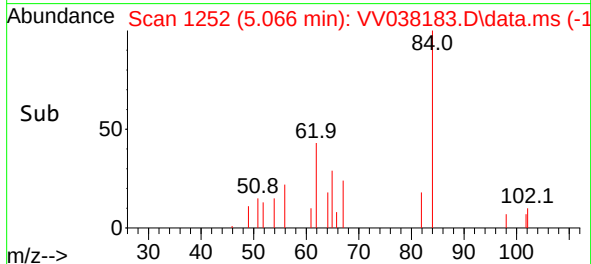
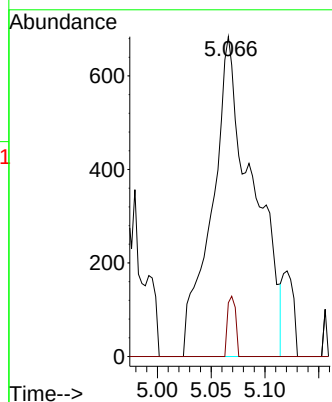
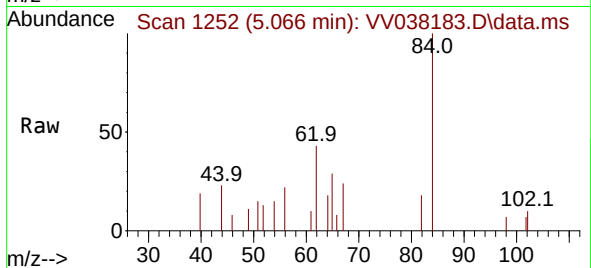
ClientSampleId :

Tgt Ion: 62 Resp: 1809

Ion Ratio Lower Upper

62 100

98 16.8 8.2 12.4#



#29

1,1,1-Trichloroethane

Concen: 0.603 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.007 min

Lab File: VV038183.D

Acq: 19 Nov 2024 17:44

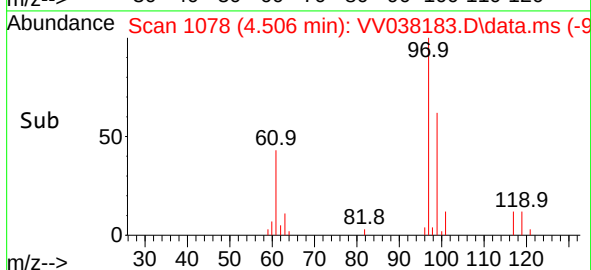
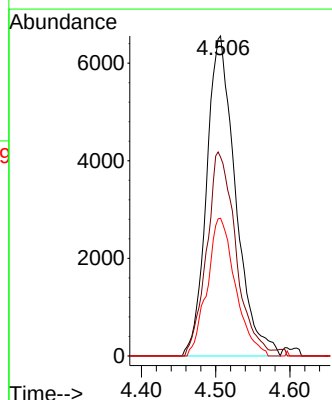
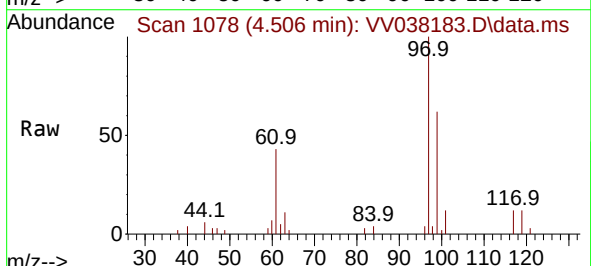
Tgt Ion: 97 Resp: 17727

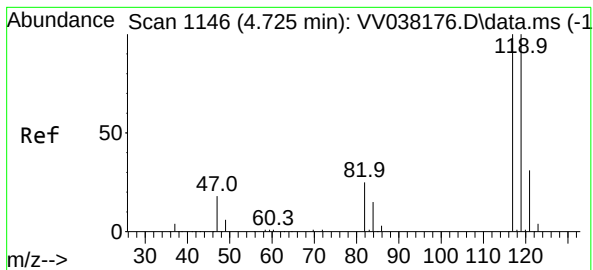
Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.8

61 42.0 32.2 48.2

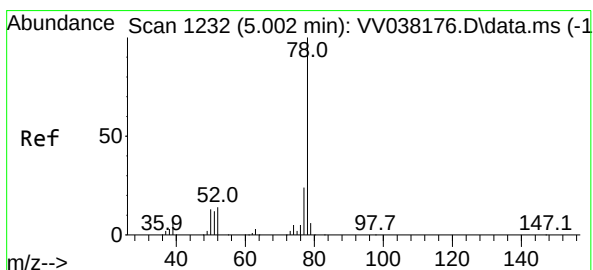
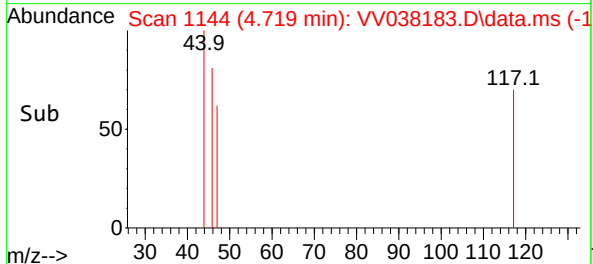
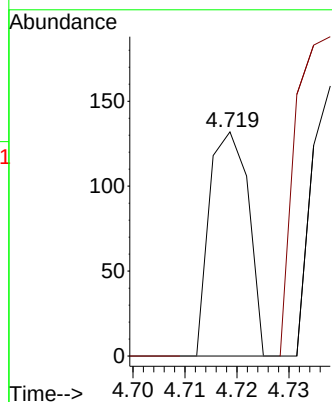
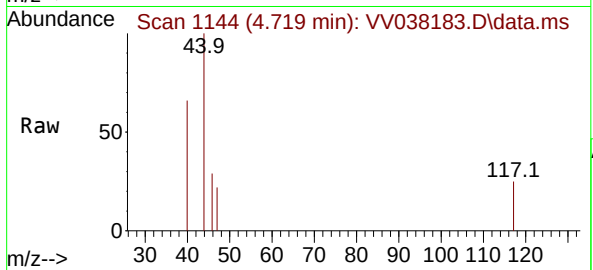




#31  
Carbon tetrachloride  
Concen: 0.003 ug/L  
RT: 4.719 min Scan# 1146  
Delta R.T. -0.006 min  
Lab File: VV038183.D  
Acq: 19 Nov 2024 17:44

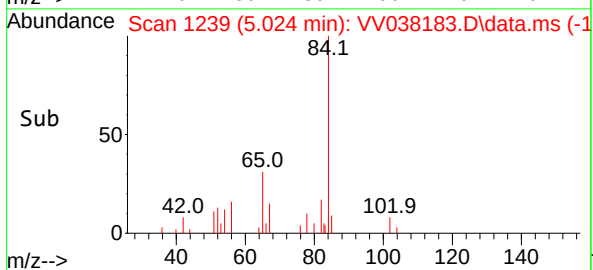
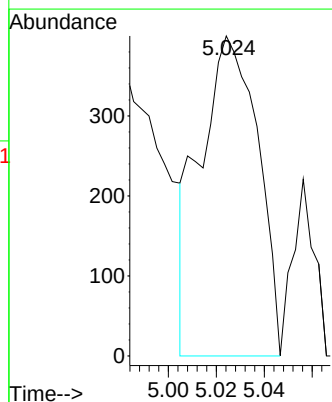
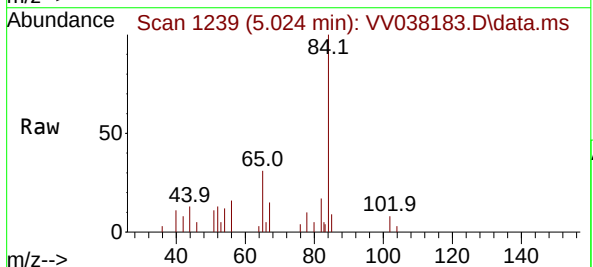
Instrument :  
MSVOA\_V  
ClientSampleId :

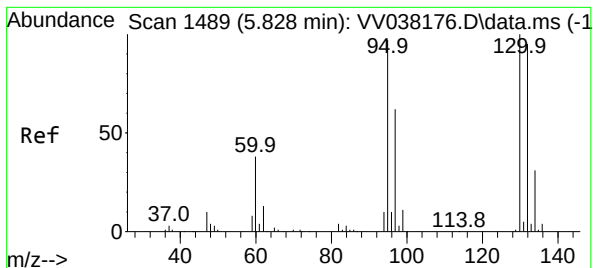
Tgt Ion:117 Resp: 69  
Ion Ratio Lower Upper  
117 100  
119 0.0 77.4 116.2#



#33  
Benzene  
Concen: 0.010 ug/L  
RT: 5.024 min Scan# 1239  
Delta R.T. 0.023 min  
Lab File: VV038183.D  
Acq: 19 Nov 2024 17:44

Tgt Ion: 78 Resp: 669





#34

Trichloroethene

Concen: 1.307 ug/L

RT: 5.834 min Scan# 1489

Delta R.T. 0.007 min

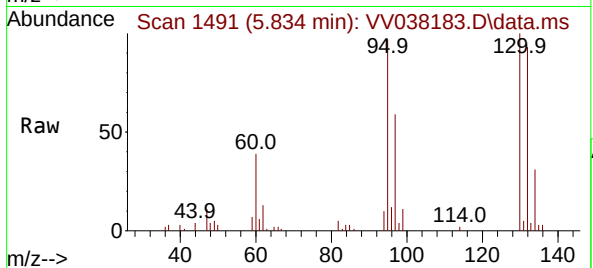
Lab File: VV038183.D

Acq: 19 Nov 2024 17:44

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion: 95 Resp: 24536

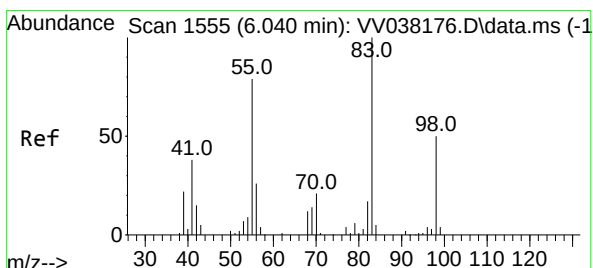
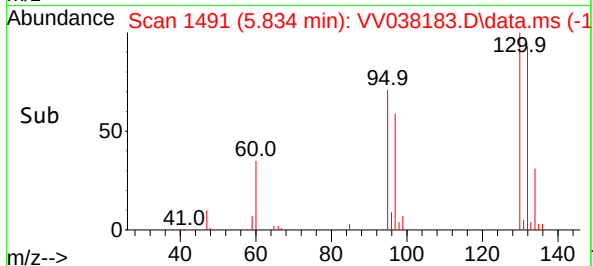
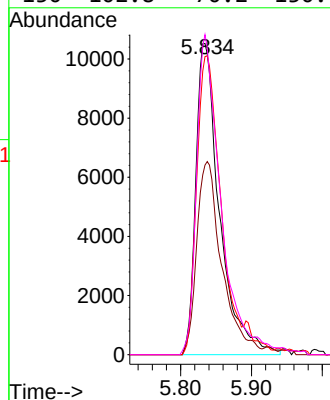
Ion Ratio Lower Upper

95 100

97 61.0 44.8 83.2

132 95.8 68.3 126.8

130 102.8 70.2 130.4



#35

Methylcyclohexane

Concen: 0.971 ug/L

RT: 5.982 min Scan# 1537

Delta R.T. -0.058 min

Lab File: VV038183.D

Acq: 19 Nov 2024 17:44

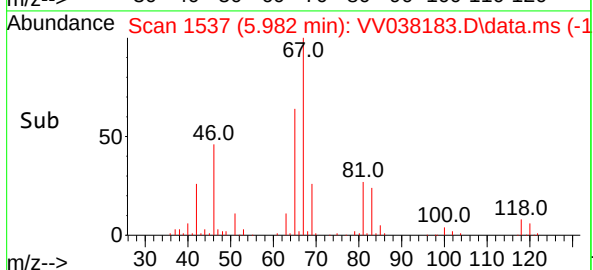
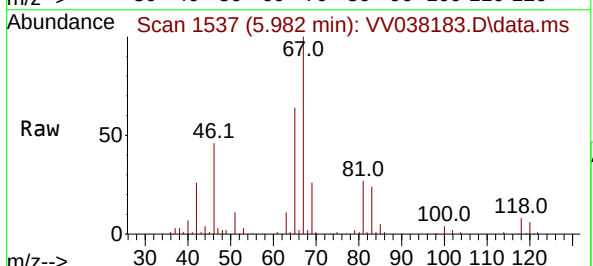
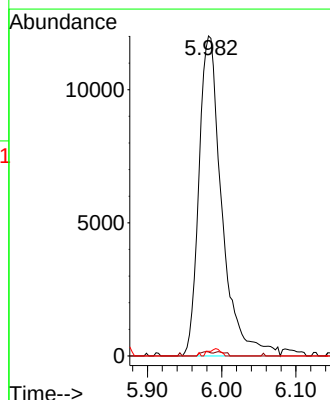
Tgt Ion: 83 Resp: 25780

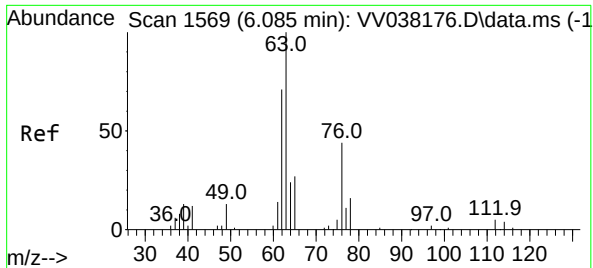
Ion Ratio Lower Upper

83 100

55 0.7 59.7 89.5#

98 0.0 39.0 58.4#





#37

1,2-Dichloropropane

Concen: 0.681 ug/L

RT: 5.982 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV038183.D

Acq: 19 Nov 2024 17:44

Instrument :

MSVOA\_V

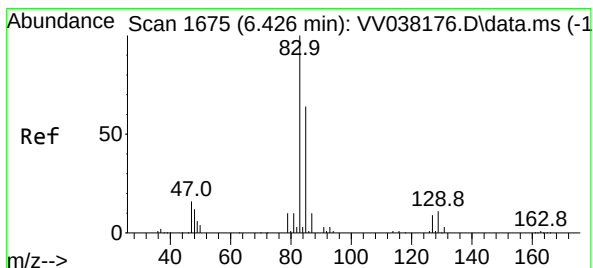
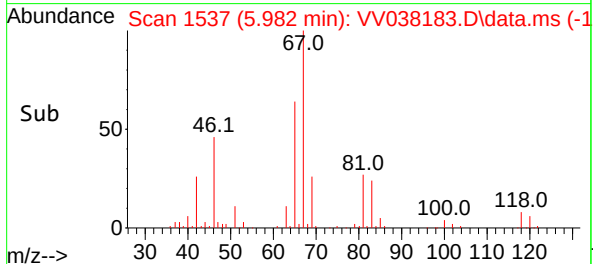
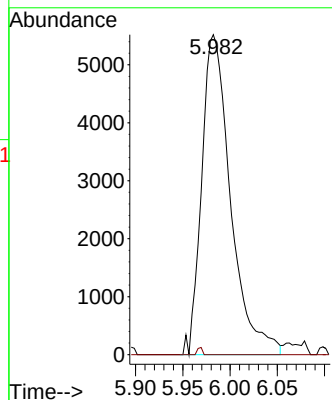
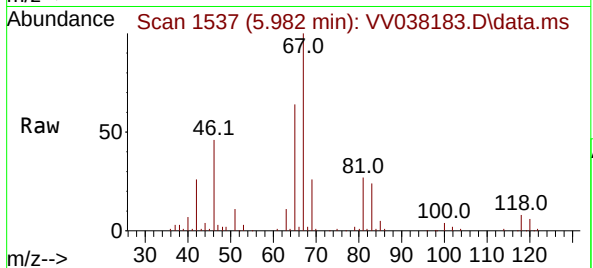
ClientSampleId :

Tgt Ion: 63 Resp: 11744

Ion Ratio Lower Upper

63 100

112 0.4 3.9 5.9#



#38

Bromodichloromethane

Concen: 0.003 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.013 min

Lab File: VV038183.D

Acq: 19 Nov 2024 17:44

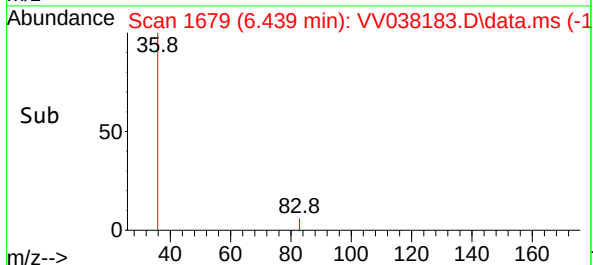
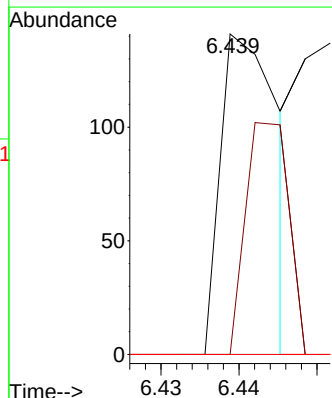
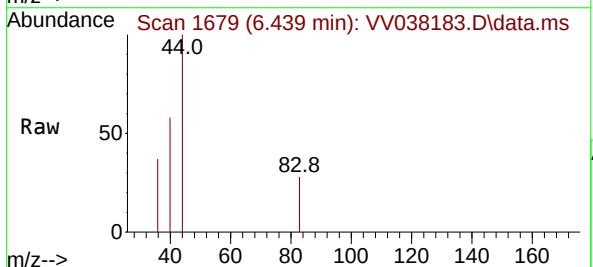
Tgt Ion: 83 Resp: 73

Ion Ratio Lower Upper

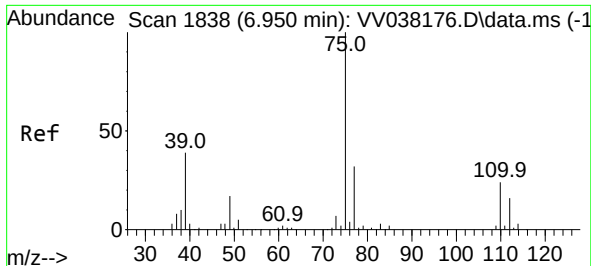
83 100

85 0.0 43.9 81.5#

127 0.0 6.7 10.1#







#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 6.908 min Scan# 11

Delta R.T. -0.042 min

Lab File: VV038183.D

Acq: 19 Nov 2024 17:44

Instrument :

MSVOA\_V

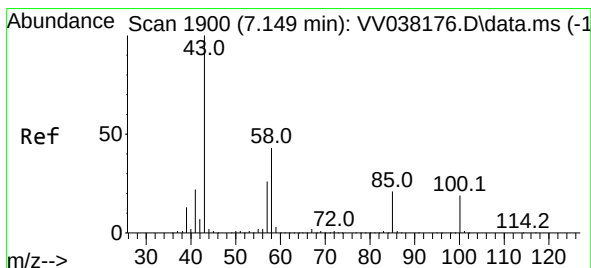
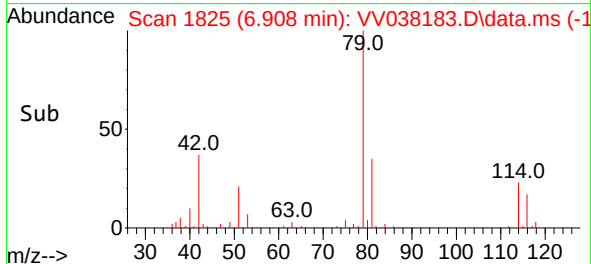
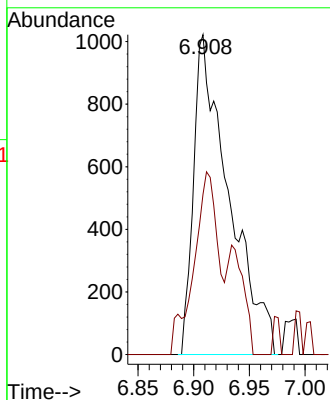
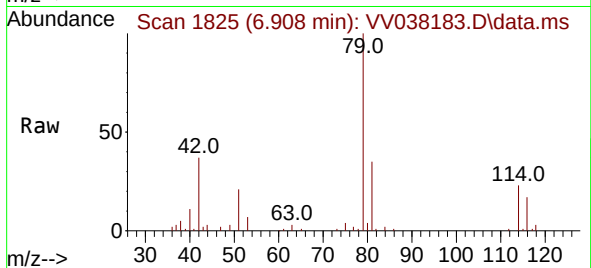
ClientSampleId :

Tgt Ion: 75 Resp: 2252

Ion Ratio Lower Upper

75 100

77 50.1 23.4 43.6#



#40

4-Methyl-2-pentanone

Concen: 0.019 ug/L

RT: 7.198 min Scan# 1915

Delta R.T. 0.048 min

Lab File: VV038183.D

Acq: 19 Nov 2024 17:44

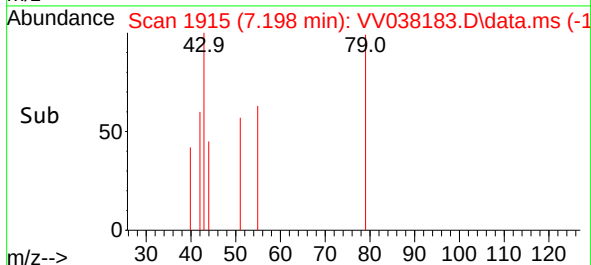
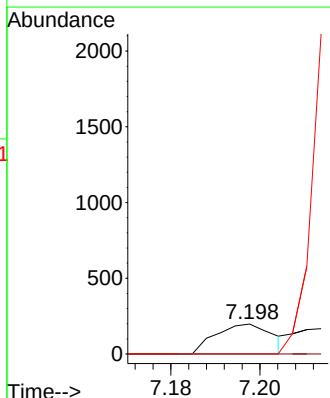
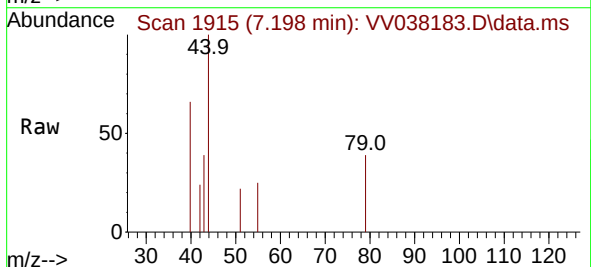
Tgt Ion: 43 Resp: 174

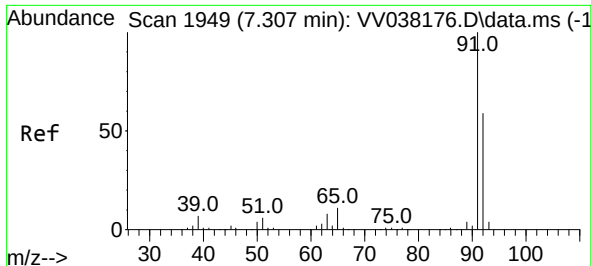
Ion Ratio Lower Upper

43 100

58 0.0 33.4 50.2#

100 0.0 14.3 21.5#





#42

Toluene

Concen: 0.148 ug/L

RT: 7.326 min Scan# 1949

Delta R.T. 0.019 min

Lab File: VV038183.D

Acq: 19 Nov 2024 17:44

Instrument :

MSVOA\_V

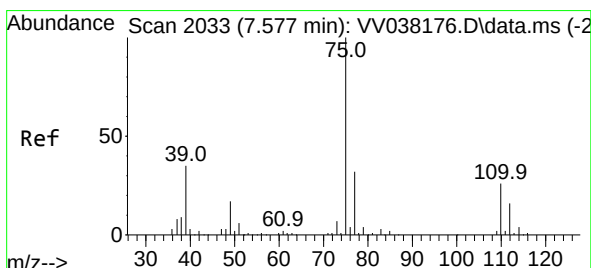
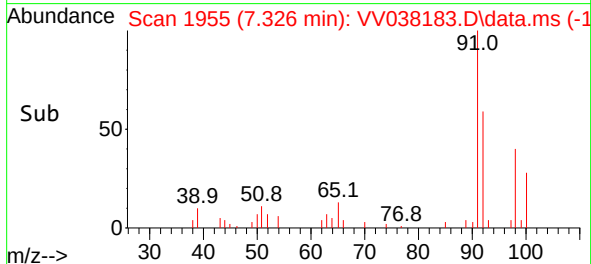
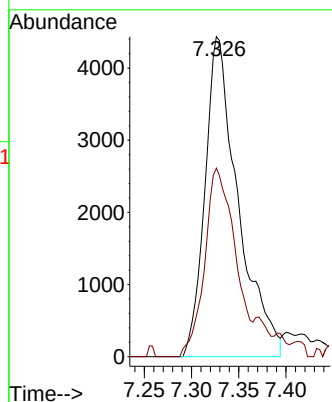
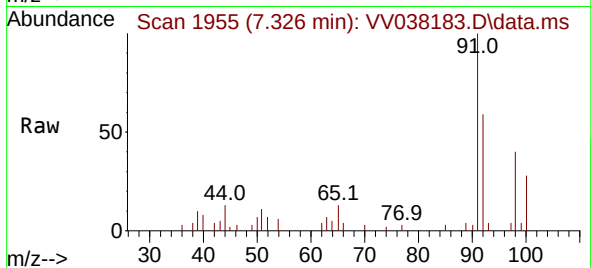
ClientSampleId :

Tgt Ion: 91 Resp: 10791

Ion Ratio Lower Upper

91 100

92 58.9 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 0.061 ug/L

RT: 7.567 min Scan# 2030

Delta R.T. -0.010 min

Lab File: VV038183.D

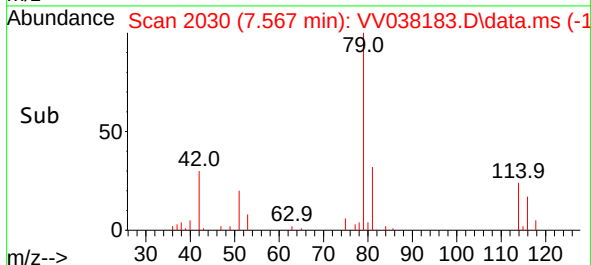
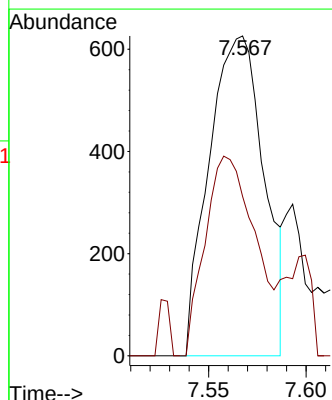
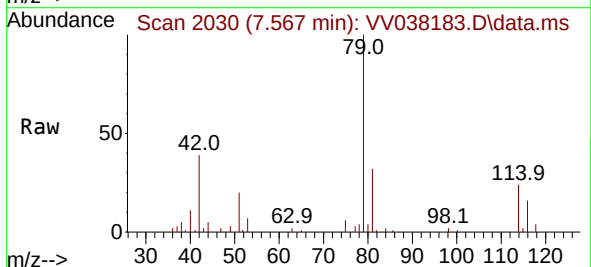
Acq: 19 Nov 2024 17:44

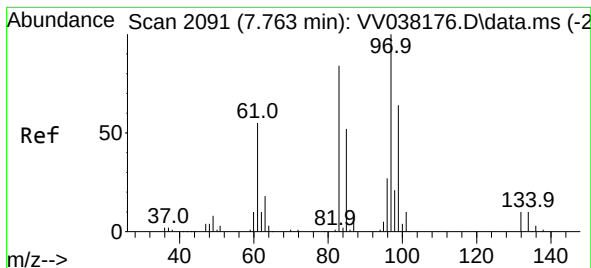
Tgt Ion: 75 Resp: 1231

Ion Ratio Lower Upper

75 100

77 49.8 23.4 43.4#





#45

1,1,2-Trichloroethane

Concen: 0.010 ug/L

RT: 7.786 min Scan# 2091

Delta R.T. 0.023 min

Lab File: VV038183.D

Acq: 19 Nov 2024 17:44

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 97 Resp: 139

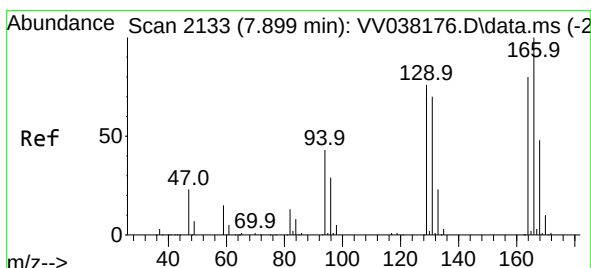
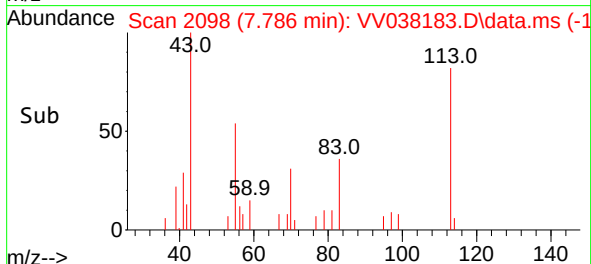
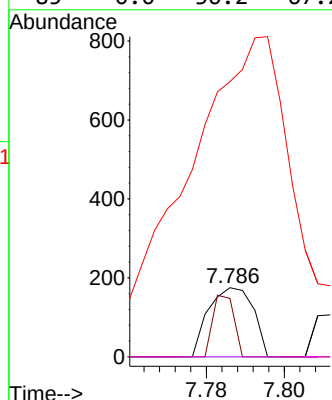
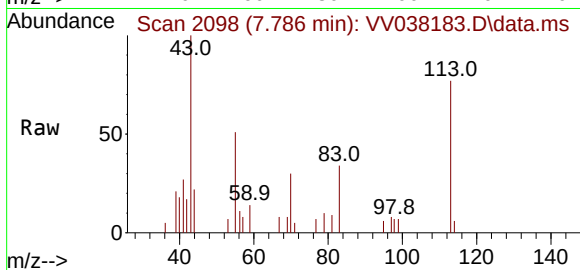
Ion Ratio Lower Upper

97 100

99 84.6 41.9 77.7#

83 398.3 57.7 107.1#

85 0.0 36.2 67.2#



#47

Tetrachloroethene

Concen: 1.261 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.003 min

Lab File: VV038183.D

Acq: 19 Nov 2024 17:44

Tgt Ion: 164 Resp: 19016

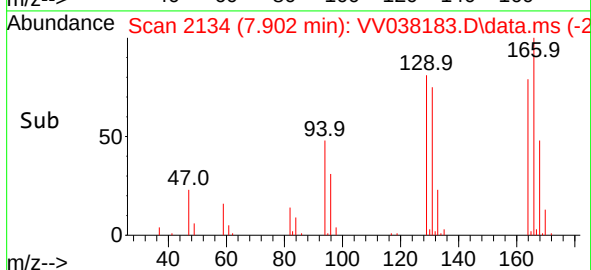
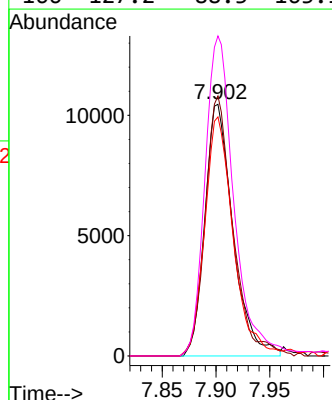
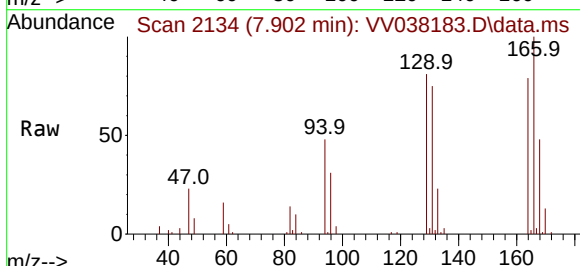
Ion Ratio Lower Upper

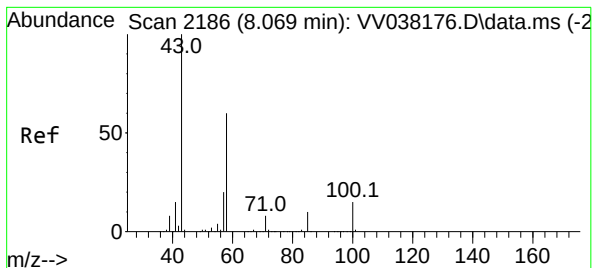
164 100

129 103.3 68.5 127.1

131 95.0 64.8 120.4

166 127.2 88.3 163.9





#48

2-Hexanone

Concen: 2.964 ug/L

RT: 8.018 min Scan# 21

Delta R.T. -0.051 min

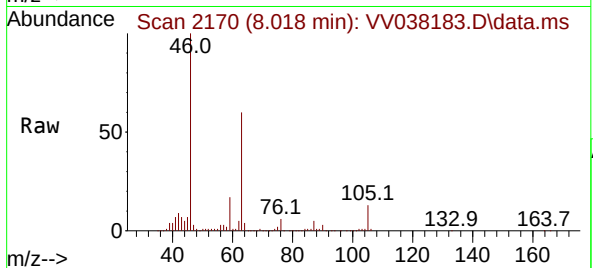
Lab File: VV038183.D

Acq: 19 Nov 2024 17:44

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion: 43 Resp: 19405

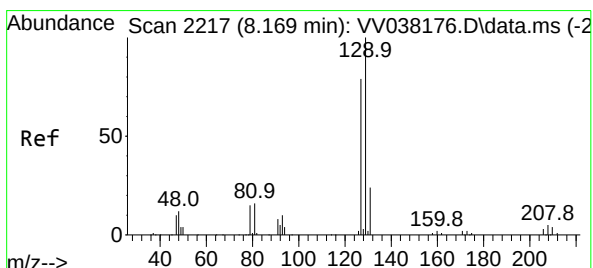
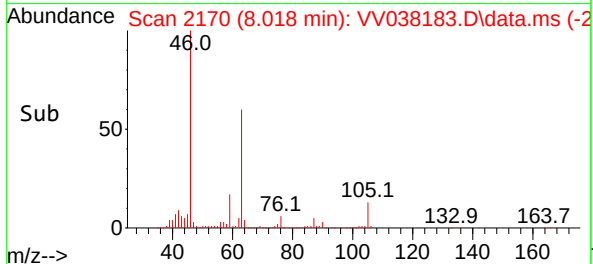
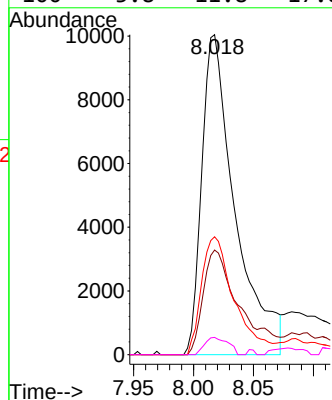
Ion Ratio Lower Upper

43 100

58 36.0 49.2 73.8#

57 36.2 16.9 25.3#

100 3.8 11.8 17.8#



#49

Dibromochloromethane

Concen: 1.256 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. -0.267 min

Lab File: VV038183.D

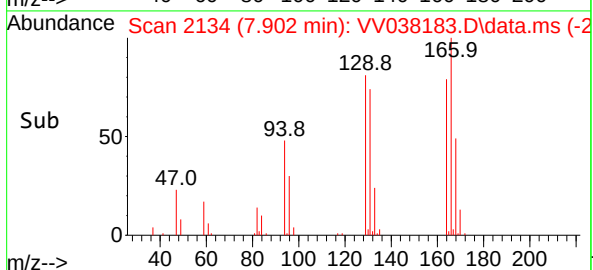
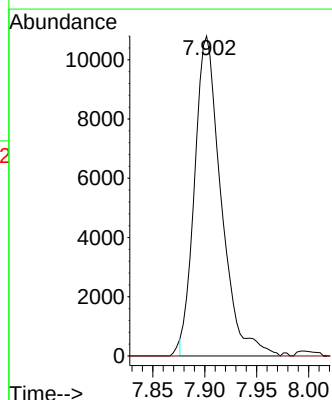
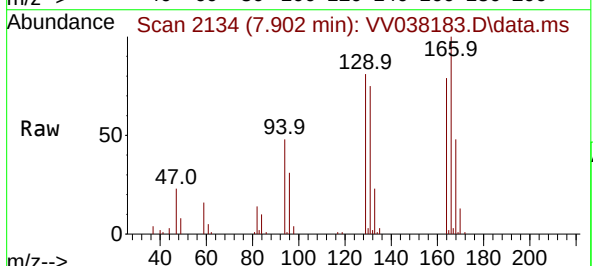
Acq: 19 Nov 2024 17:44

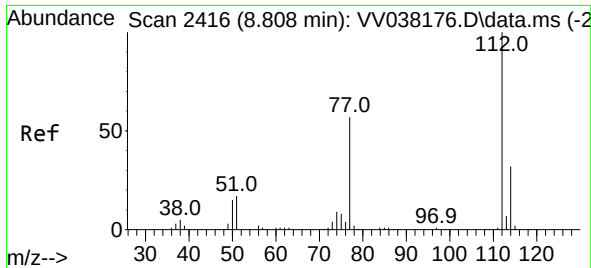
Tgt Ion:129 Resp: 19148

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#

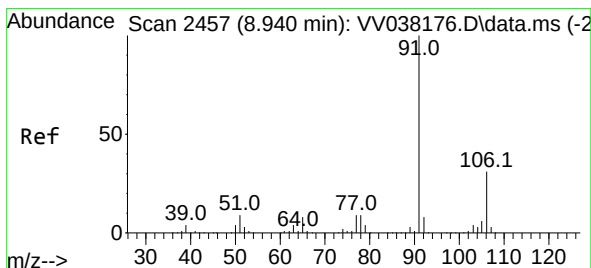
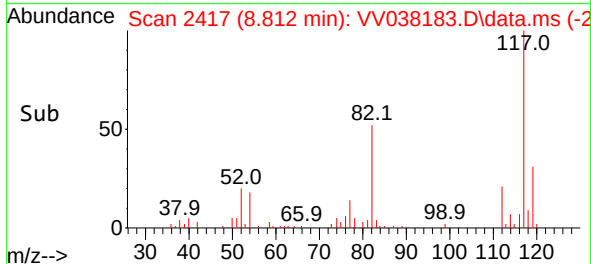
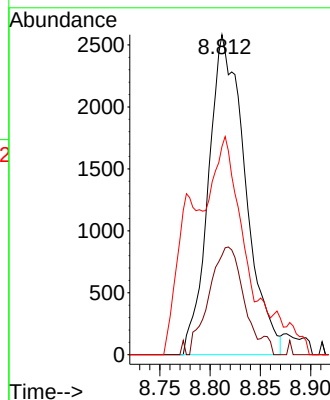
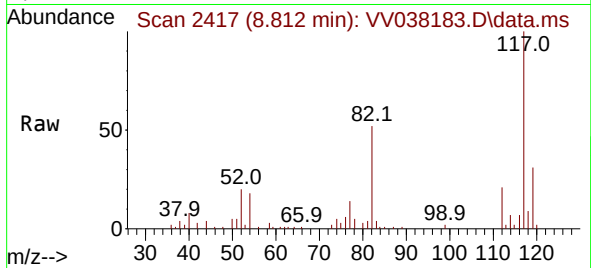




#51  
Chlorobenzene  
Concen: 0.131 ug/L  
RT: 8.812 min Scan# 2416  
Delta R.T. 0.003 min  
Lab File: VV038183.D  
Acq: 19 Nov 2024 17:44

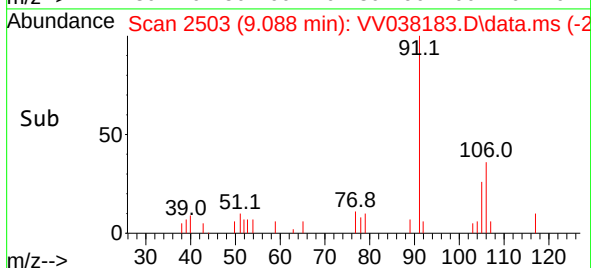
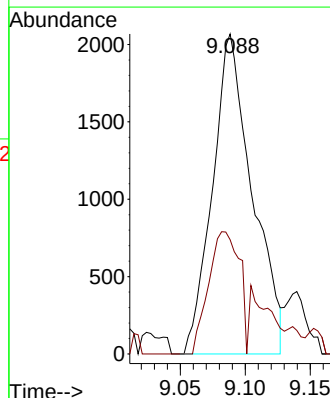
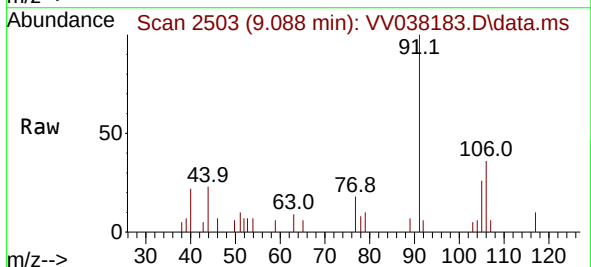
Instrument :  
MSVOA\_V  
ClientSampleId :

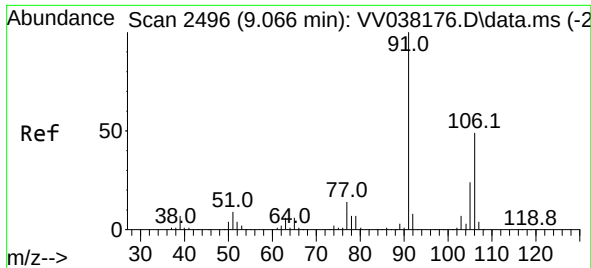
Tgt Ion:112 Resp: 6577  
Ion Ratio Lower Upper  
112 100  
114 31.1 22.0 40.8  
77 65.1 45.0 67.4



#52  
Ethylbenzene  
Concen: 0.057 ug/L  
RT: 9.088 min Scan# 2503  
Delta R.T. 0.148 min  
Lab File: VV038183.D  
Acq: 19 Nov 2024 17:44

Tgt Ion: 91 Resp: 4395  
Ion Ratio Lower Upper  
91 100  
106 35.7 21.8 40.4

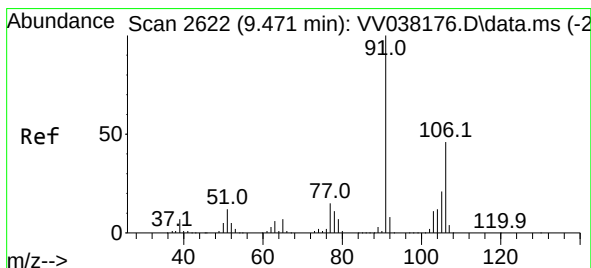
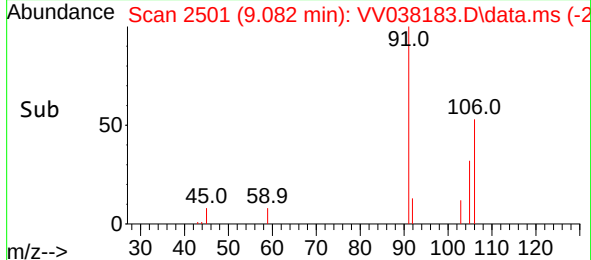
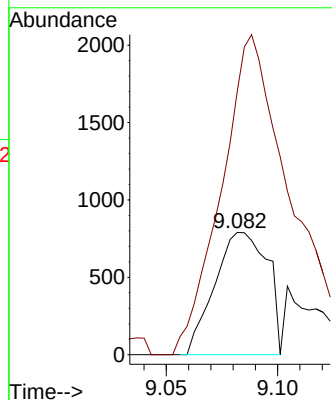
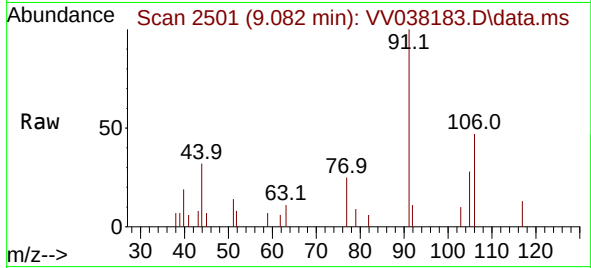




#53  
m,p-Xylene  
Concen: 0.045 ug/L  
RT: 9.082 min Scan# 21  
Delta R.T. 0.016 min  
Lab File: VV038183.D  
Acq: 19 Nov 2024 17:44

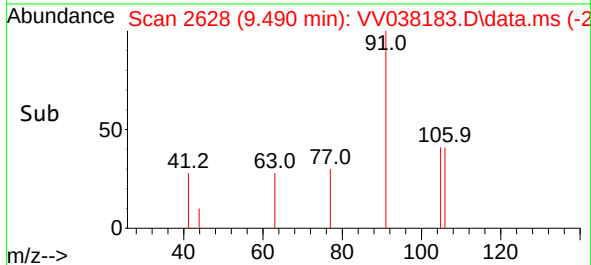
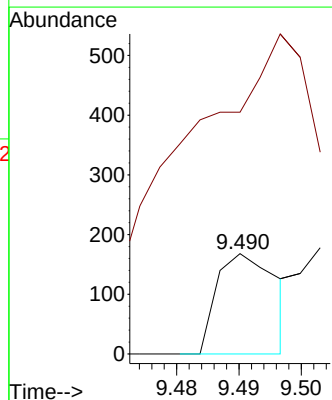
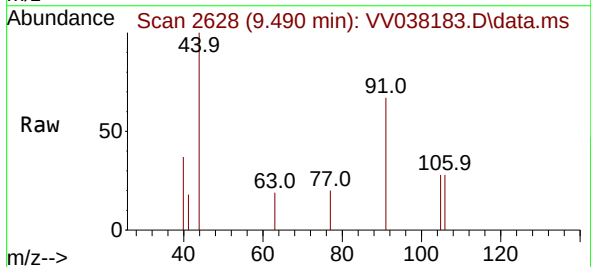
Instrument :  
MSVOA\_V  
ClientSampleId :

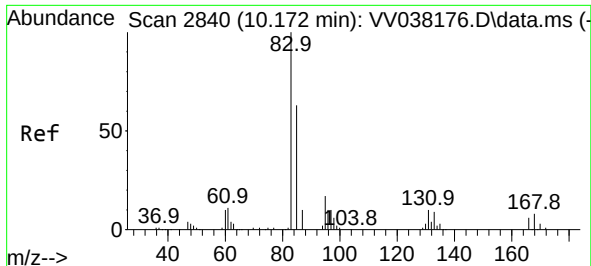
Tgt Ion:106 Resp: 1301  
Ion Ratio Lower Upper  
106 100  
91 214.9 138.7 257.5



#54  
o-Xylene  
Concen: 0.004 ug/L  
RT: 9.490 min Scan# 2628  
Delta R.T. 0.019 min  
Lab File: VV038183.D  
Acq: 19 Nov 2024 17:44

Tgt Ion:106 Resp: 112  
Ion Ratio Lower Upper  
106 100  
91 241.1 155.5 288.7





#57

1,1,2,2-Tetrachloroethane

Concen: 0.103 ug/L

RT: 10.169 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV038183.D

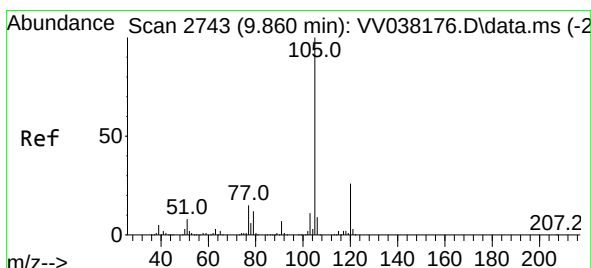
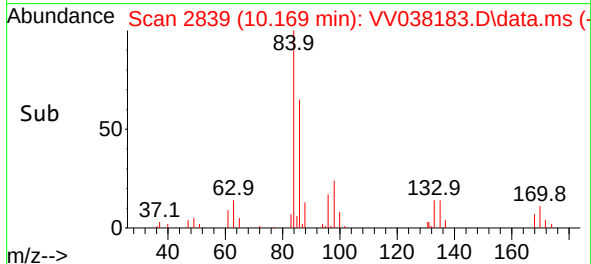
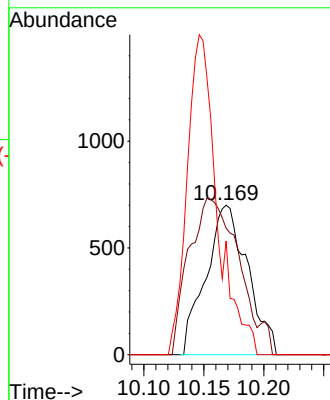
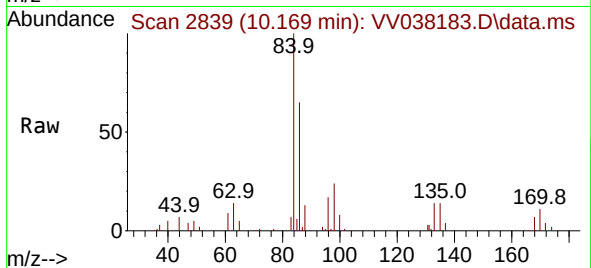
Acq: 19 Nov 2024 17:44

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 1687  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 84.6  | 45.7  | 84.9  |
| 131      | 76.0  | 8.2   | 12.4# |



#60

Isopropylbenzene

Concen: 0.019 ug/L

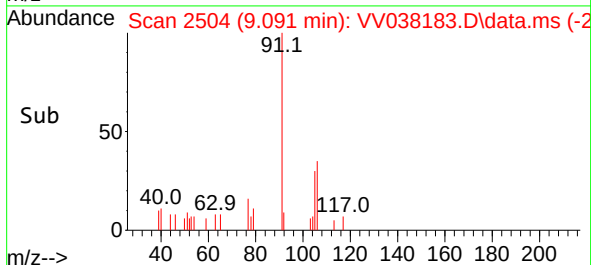
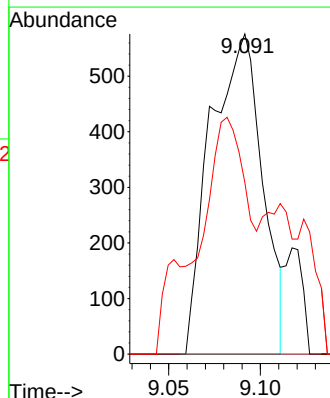
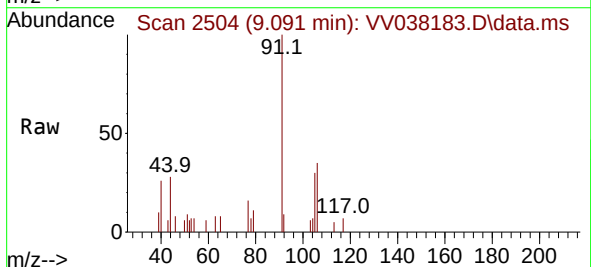
RT: 9.091 min Scan# 2504

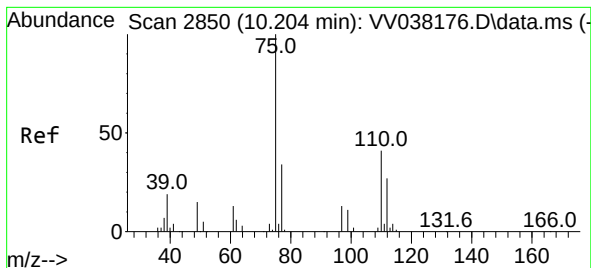
Delta R.T. -0.768 min

Lab File: VV038183.D

Acq: 19 Nov 2024 17:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 1134  |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 0.0   | 20.8  | 31.2# |
| 77       | 28.5  | 12.2  | 18.2# |





#61

1,2,3-Trichloropropane

Concen: 1.324 ug/L

RT: 11.178 min Scan# 3153

Delta R.T. 0.974 min

Lab File: VV038183.D

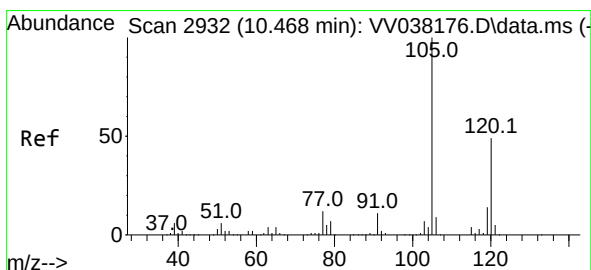
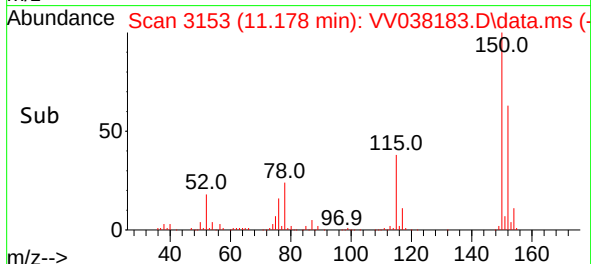
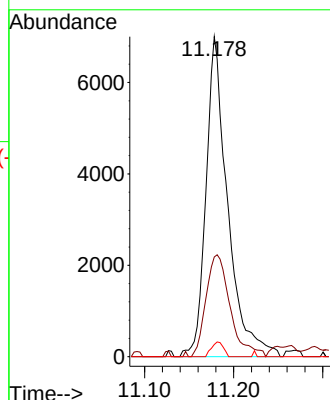
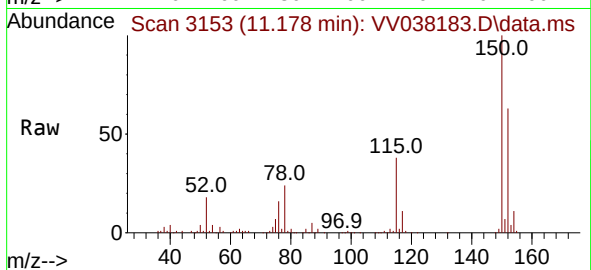
Acq: 19 Nov 2024 17:44

Instrument :

MSVOA\_V

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 11857 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 35.3  | 26.4  | 39.6  |
| 110       | 2.5   | 32.3  | 48.5# |



#62

1,3,5-Trimethylbenzene

Concen: 0.002 ug/L

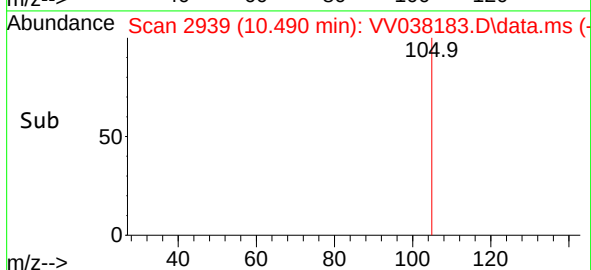
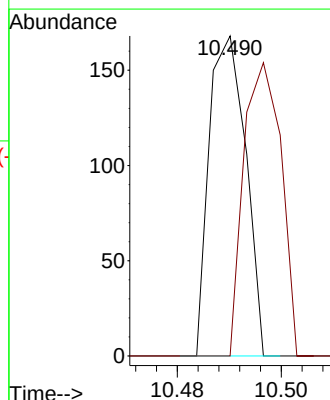
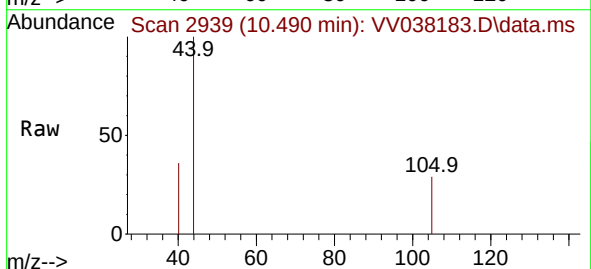
RT: 10.490 min Scan# 2939

Delta R.T. 0.023 min

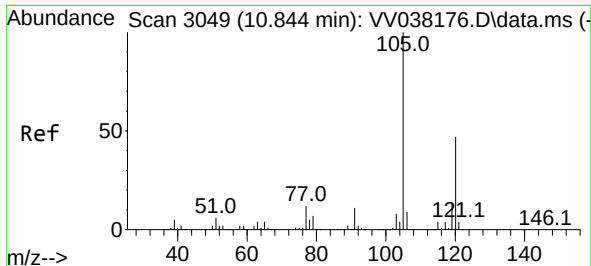
Lab File: VV038183.D

Acq: 19 Nov 2024 17:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 82    |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 0.0   | 39.2  | 58.8# |



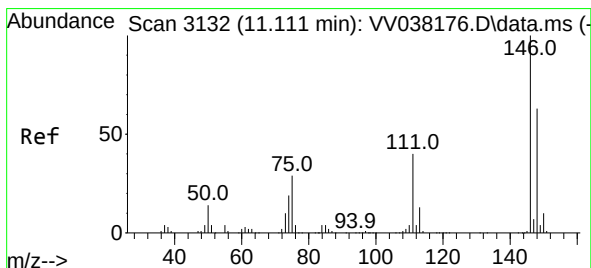
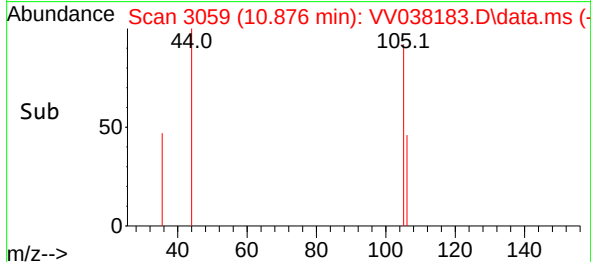
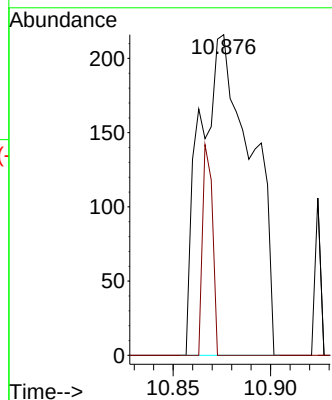
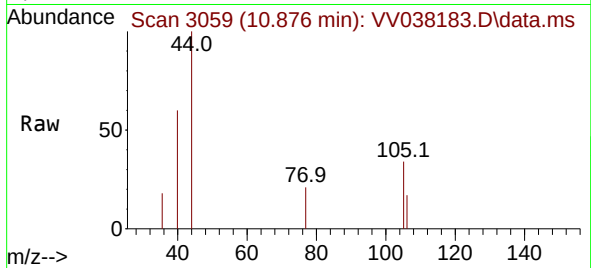




#63  
1,2,4-Trimethylbenzene  
Concen: 0.008 ug/L  
RT: 10.876 min Scan# 3049  
Delta R.T. 0.032 min  
Lab File: VV038183.D  
Acq: 19 Nov 2024 17:44

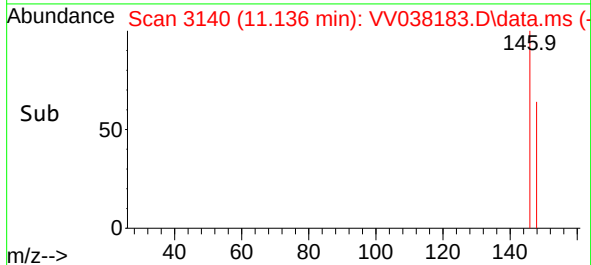
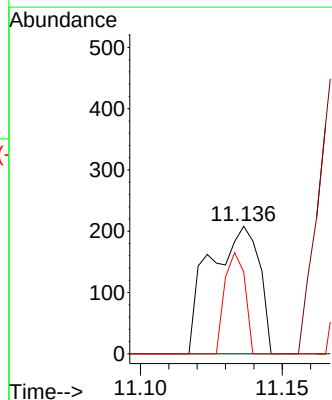
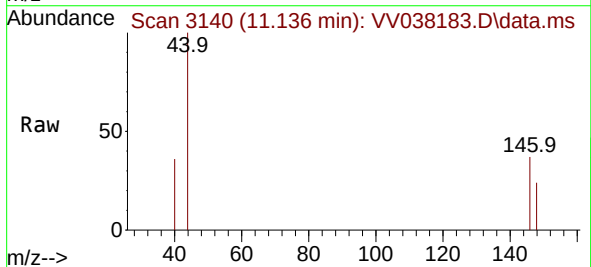
Instrument :  
MSVOA\_V  
ClientSampleId :

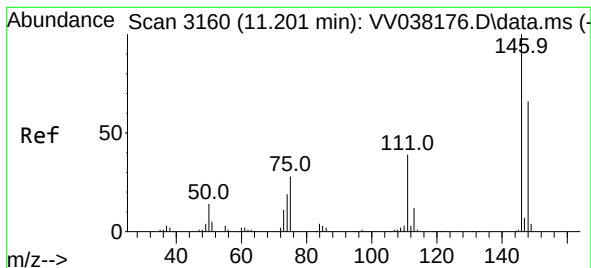
Tgt Ion:105 Resp: 395  
Ion Ratio Lower Upper  
105 100  
120 12.7 37.0 55.4#



#64  
1,3-Dichlorobenzene  
Concen: 0.008 ug/L  
RT: 11.136 min Scan# 3140  
Delta R.T. 0.026 min  
Lab File: VV038183.D  
Acq: 19 Nov 2024 17:44

Tgt Ion:146 Resp: 252  
Ion Ratio Lower Upper  
146 100  
111 0.0 28.2 52.4#  
148 64.4 44.2 82.2





#65

1,4-Dichlorobenzene

Concen: 0.024 ug/L

RT: 11.207 min Scan# 3160

Delta R.T. 0.007 min

Lab File: VV038183.D

Acq: 19 Nov 2024 17:44

Instrument :

MSVOA\_V

ClientSampleId :

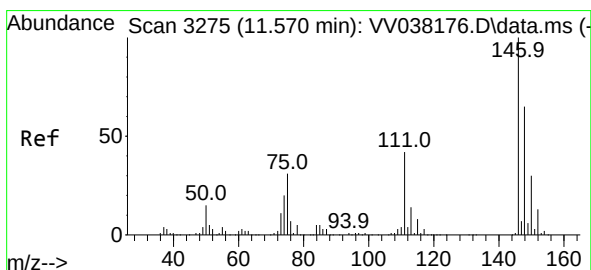
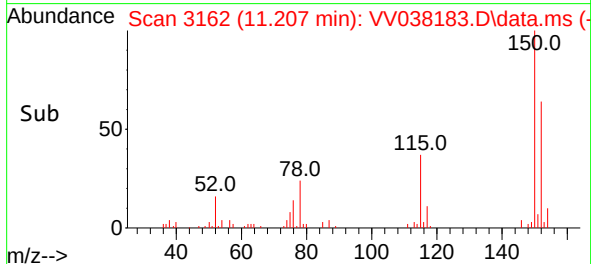
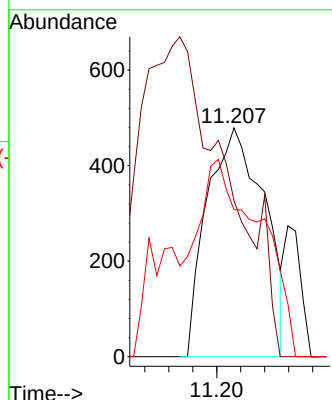
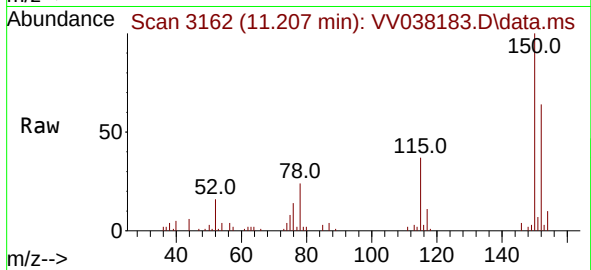
Tgt Ion:146 Resp: 794

Ion Ratio Lower Upper

146 100

111 68.3 27.4 50.8#

148 64.3 44.4 82.4



#67

1,2-Dichlorobenzene

Concen: 0.057 ug/L

RT: 11.580 min Scan# 3278

Delta R.T. 0.010 min

Lab File: VV038183.D

Acq: 19 Nov 2024 17:44

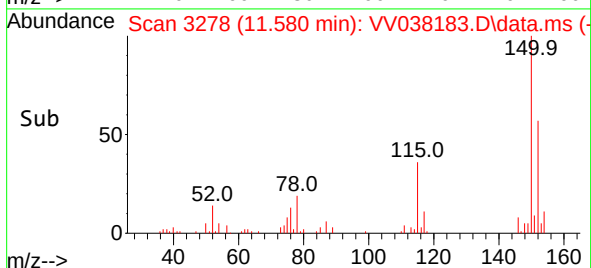
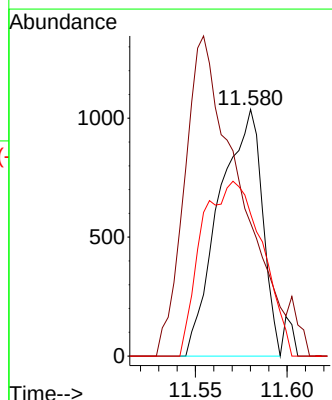
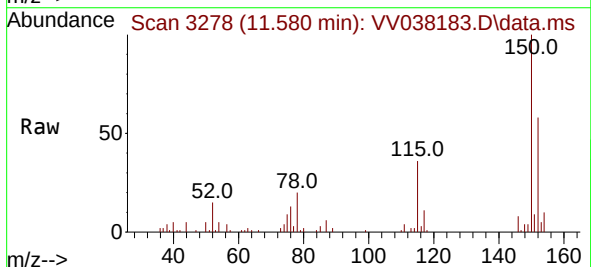
Tgt Ion:146 Resp: 1693

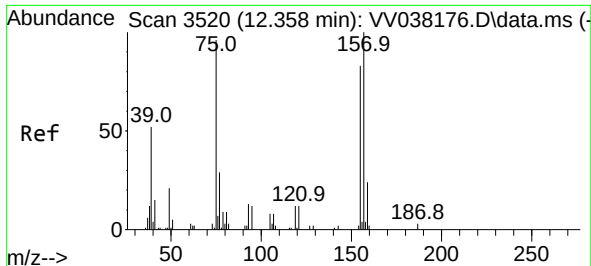
Ion Ratio Lower Upper

146 100

111 53.9 34.2 51.2#

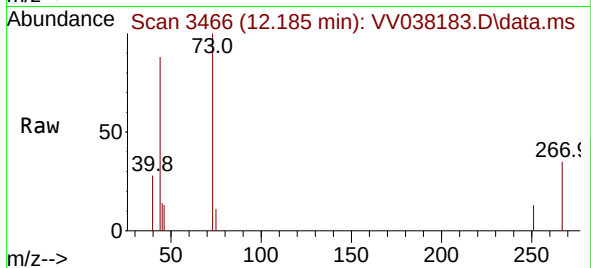
148 57.7 51.0 76.4



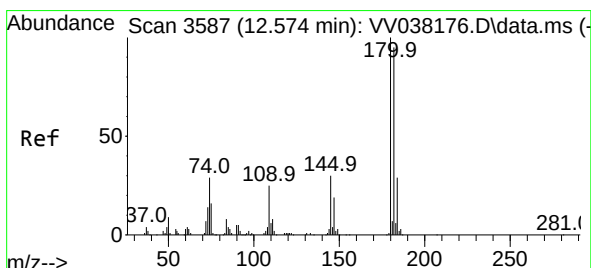
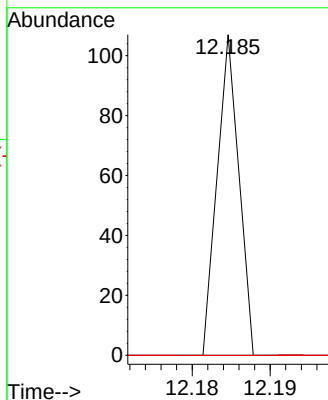
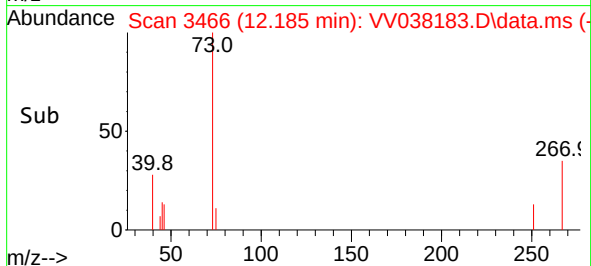


#68  
 1,2-Dibromo-3-chloropropane  
 Concen: 0.010 ug/L  
 RT: 12.185 min Scan# 3466  
 Delta R.T. -0.174 min  
 Lab File: VV038183.D  
 Acq: 19 Nov 2024 17:44

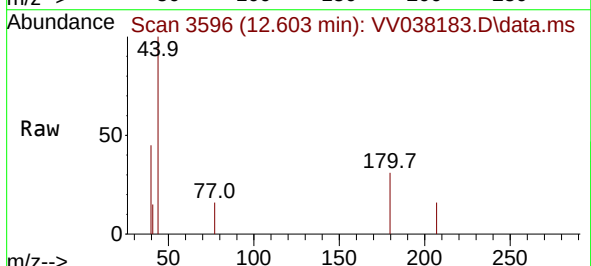
Instrument :  
 MSVOA\_V  
 ClientSampleId :



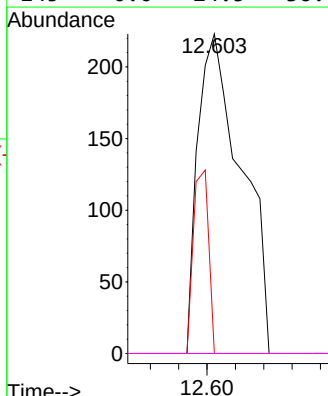
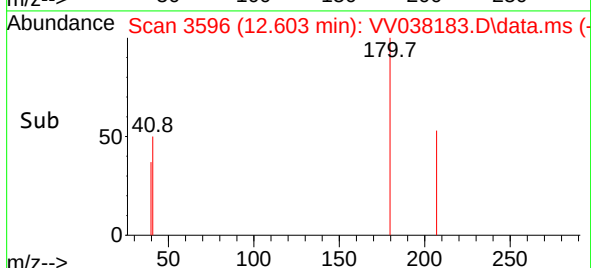
Tgt Ion: 75 Resp: 21  
 Ion Ratio Lower Upper  
 75 100  
 155 0.0 67.5 101.3#  
 157 0.0 82.7 124.1#

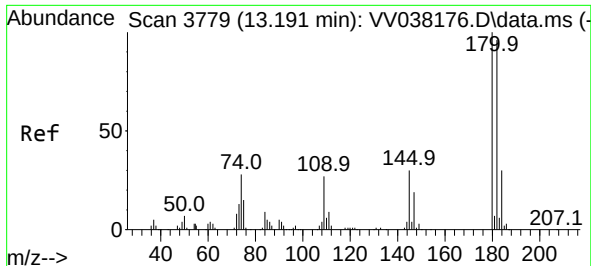


#69  
 1,3,5-Trichlorobenzene  
 Concen: 0.010 ug/L  
 RT: 12.603 min Scan# 3596  
 Delta R.T. 0.029 min  
 Lab File: VV038183.D  
 Acq: 19 Nov 2024 17:44



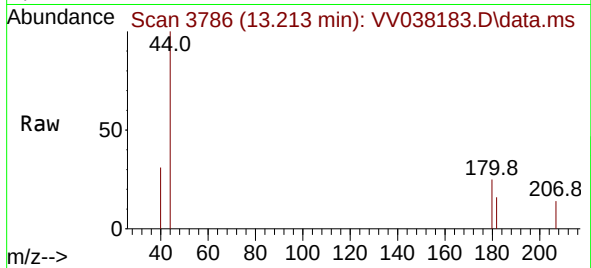
Tgt Ion: 180 Resp: 239  
 Ion Ratio Lower Upper  
 180 100  
 182 0.0 76.0 114.0#  
 184 20.1 23.7 35.5#  
 145 0.0 24.5 36.7#



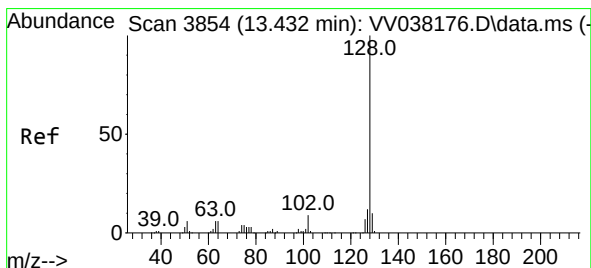
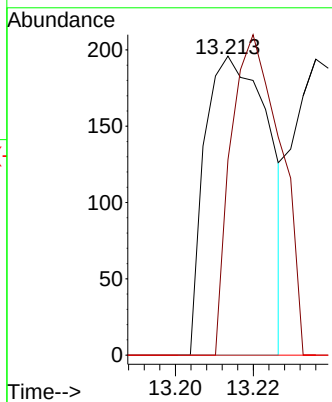
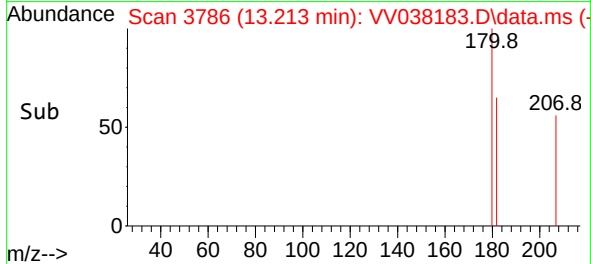


#70  
1,2,4-trichlorobenzene  
Concen: 0.012 ug/L  
RT: 13.213 min Scan# 3786  
Delta R.T. 0.023 min  
Lab File: VV038183.D  
Acq: 19 Nov 2024 17:44

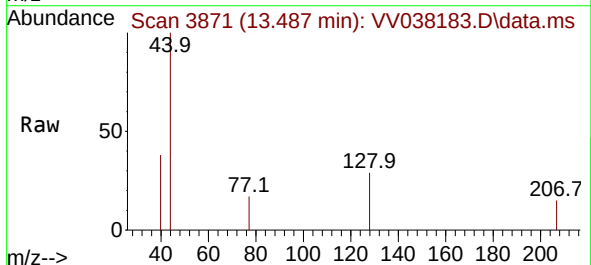
Instrument :  
MSVOA\_V  
ClientSampleId :



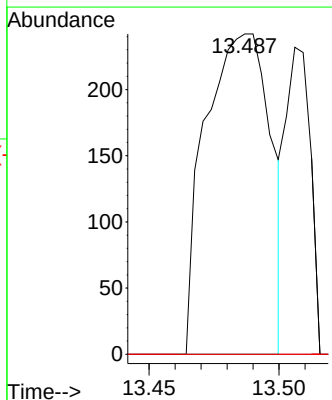
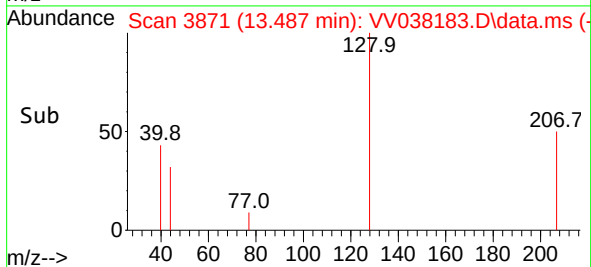
Tgt Ion:180 Resp: 225  
Ion Ratio Lower Upper  
180 100  
182 82.7 73.8 110.8  
145 0.0 24.6 37.0#

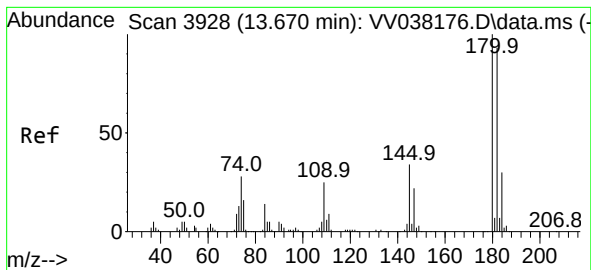


#71  
Naphthalene  
Concen: 0.014 ug/L  
RT: 13.487 min Scan# 3871  
Delta R.T. 0.055 min  
Lab File: VV038183.D  
Acq: 19 Nov 2024 17:44



Tgt Ion:128 Resp: 421  
Ion Ratio Lower Upper  
128 100  
129 0.0 8.5 12.7#  
127 0.0 10.1 15.1#





#72

1,2,3-Trichlorobenzene

Concen: 0.003 ug/L

RT: 13.689 min Scan# 39

Delta R.T. 0.019 min

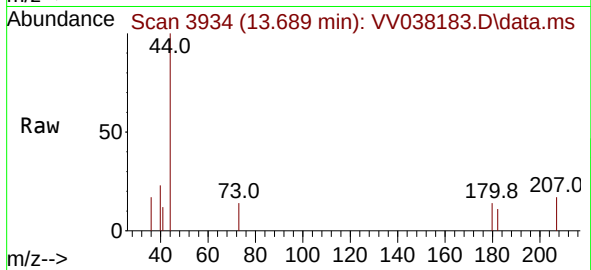
Lab File: VV038183.D

Acq: 19 Nov 2024 17:44

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 48

Ion Ratio Lower Upper

180 100

182 87.5 75.1 112.7

145 0.0 27.0 40.4#

