

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV051024\  
 Data File : VV035570.D  
 Acq On : 10 May 2024 09:10  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: May 10 23:41:18 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050124WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon May 06 13:46:00 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.529   | 114   | 531945   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783   | 117   | 527698   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181  | 152   | 282921   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 193662   | 47.216   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 94.440%  |
| 7) Chloroethane-d5            | 1.523   | 69    | 158677   | 52.497   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 105.000% |
| 11) 1,1-Dichloroethene-d2     | 2.053   | 65    | 81022    | 46.018   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 92.040%  |
| 21) 2-Butanone-d5             | 3.780   | 46    | 263101   | 95.046   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 95.050%  |
| 24) Chloroform-d              | 4.243   | 84    | 371338   | 49.358   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 98.720%  |
| 26) 1,2-Dichloroethane-d4     | 4.937   | 65    | 225183   | 50.825   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 101.640% |
| 32) Benzene-d6                | 4.953   | 84    | 719972   | 48.472   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.940%  |
| 36) 1,2-Dichloropropane-d6    | 5.982   | 67    | 226565   | 48.921   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 97.840%  |
| 41) Toluene-d8                | 7.239   | 98    | 655367   | 48.473   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.940%  |
| 43) trans-1,3-Dichloroprop... | 7.548   | 79    | 112393   | 49.793   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 99.580%  |
| 47) 2-Hexanone-d5             | 8.021   | 63    | 200951   | 94.422   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 94.420%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149  | 84    | 335719   | 47.572   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 95.140%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.557  | 152   | 260214   | 46.293   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 92.580%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105   | 85    | 225707   | 63.336   | ug/L   | 100      |
| 3) Chloromethane              | 1.214   | 50    | 227362   | 58.892   | ug/L   | 98       |
| 5) Vinyl chloride             | 1.281   | 62    | 233541   | 57.443   | ug/L   | 99       |
| 6) Bromomethane               | 1.477   | 94    | 95873    | 37.088   | ug/L   | 100      |
| 8) Chloroethane               | 1.539   | 64    | 147741   | 63.202   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.709   | 101   | 298697   | 54.610   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.063   | 101   | 188582   | 54.395   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.066   | 96    | 170960   | 55.205   | ug/L   | 81       |
| 13) Acetone                   | 2.111   | 43    | 257332   | 100.415  | ug/L   | 99       |
| 14) Carbon disulfide          | 2.236   | 76    | 527171   | 64.800   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.368   | 43    | 209766   | 50.460   | ug/L   | 99       |
| 16) Methylene chloride        | 2.442   | 84    | 210331   | 53.602   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 2.690   | 96    | 184966   | 56.507   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 2.699   | 73    | 608094   | 52.824   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.108   | 63    | 359625   | 52.322   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 3.809   | 96    | 208097   | 53.452   | ug/L   | 97       |
| 22) 2-Butanone                | 3.860   | 43    | 290588   | 95.786   | ug/L   | 99       |
| 23) Bromochloromethane        | 4.140   | 128   | 114362   | 53.712   | ug/L   | 98       |
| 25) Chloroform                | 4.272   | 83    | 372528   | 52.510   | ug/L   | 100      |

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 Data File : VV035570.D  
 Acq On : 10 May 2024 09:10  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

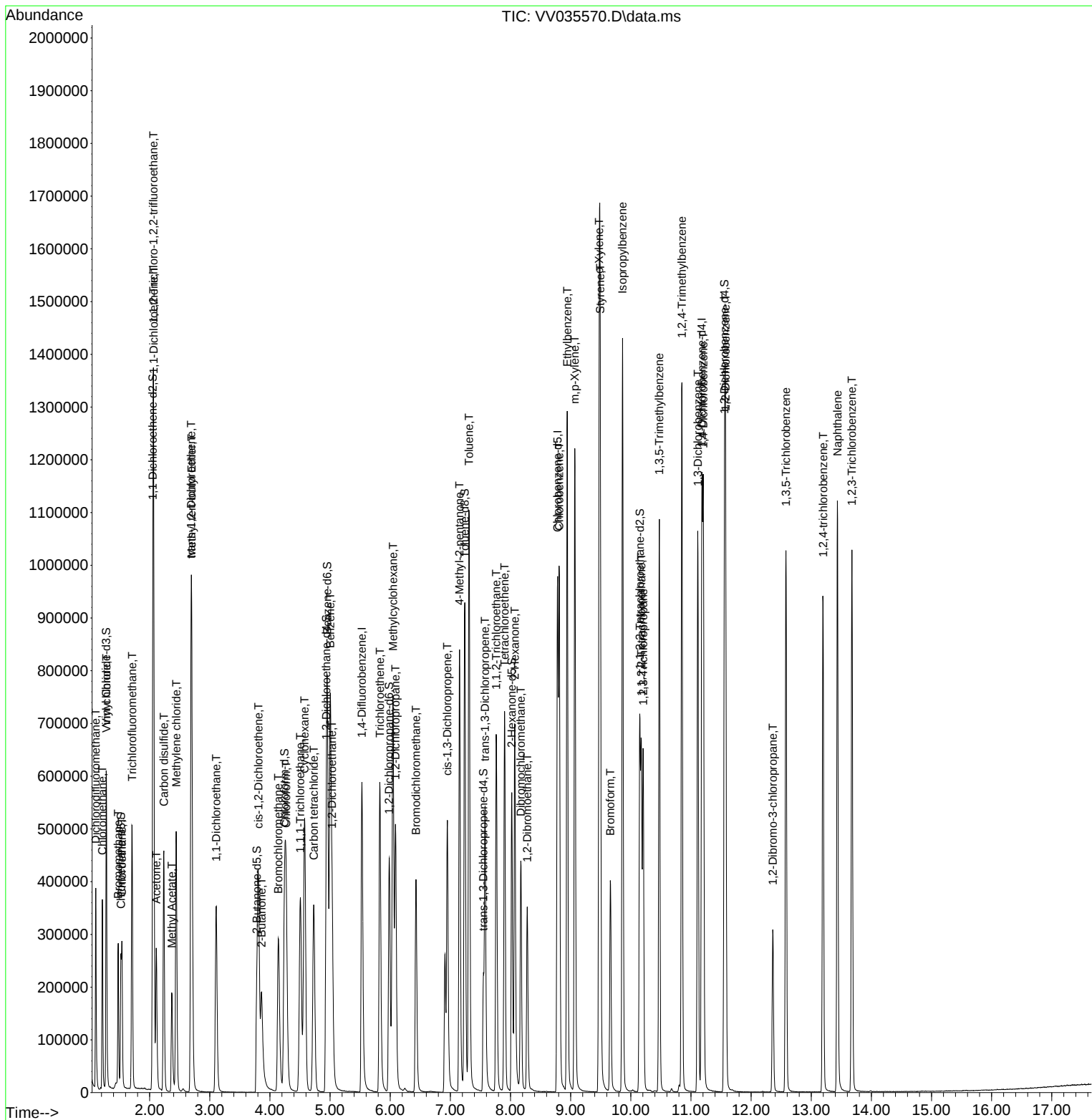
Instrument :  
 MSVOA\_V  
 ClientSampleId :

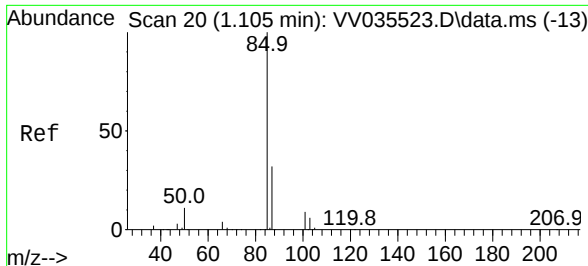
Quant Time: May 10 23:41:18 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050124WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon May 06 13:46:00 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.034  | 62   | 282375   | 55.616 | ug/L  | 99       |
| 29) Cyclohexane               | 4.577  | 56   | 286121   | 60.728 | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.506  | 97   | 315686   | 52.273 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.728  | 117  | 280860   | 53.786 | ug/L  | 99       |
| 33) Benzene                   | 5.005  | 78   | 785524   | 55.125 | ug/L  | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 214817   | 56.649 | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.046  | 83   | 329590   | 61.611 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.088  | 63   | 213221   | 54.460 | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.429  | 83   | 279604   | 51.909 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 338843   | 55.132 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.152  | 43   | 518281   | 99.170 | ug/L  | 99       |
| 42) Toluene                   | 7.310  | 91   | 833929   | 55.783 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 324572   | 55.597 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.763  | 97   | 216074   | 51.603 | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.902  | 164  | 168807   | 55.115 | ug/L  | 99       |
| 48) 2-Hexanone                | 8.072  | 43   | 415684   | 97.756 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.172  | 129  | 226862   | 51.759 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.278  | 107  | 235013   | 53.721 | ug/L  | 100      |
| 51) Chlorobenzene             | 8.812  | 112  | 542709   | 52.295 | ug/L  | 99       |
| 52) Ethylbenzene              | 8.943  | 91   | 887494   | 54.951 | ug/L  | 99       |
| 53) m,p-Xylene                | 9.069  | 106  | 343558   | 57.341 | ug/L  | 96       |
| 54) o-Xylene                  | 9.474  | 106  | 327991   | 54.327 | ug/L  | 97       |
| 55) Styrene                   | 9.493  | 104  | 596974   | 57.212 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 327095   | 45.656 | ug/L  | 100      |
| 59) Bromoform                 | 9.660  | 173  | 183235   | 50.072 | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.863  | 105  | 887585   | 54.327 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 268567   | 47.317 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 570714   | 43.647 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 719769   | 54.896 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146  | 439953   | 52.004 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 450840   | 50.503 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146  | 446147   | 50.406 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.361 | 75   | 79831    | 47.758 | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.580 | 180  | 330364   | 51.447 | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.197 | 180  | 300893   | 53.191 | ug/L  | 100      |
| 71) Naphthalene               | 13.435 | 128  | 868617   | 54.786 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.676 | 180  | 323627   | 55.115 | ug/L  | 100      |

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

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QLast Update : Mon May 06 13:46:00 2024  
Response via : Initial Calibration

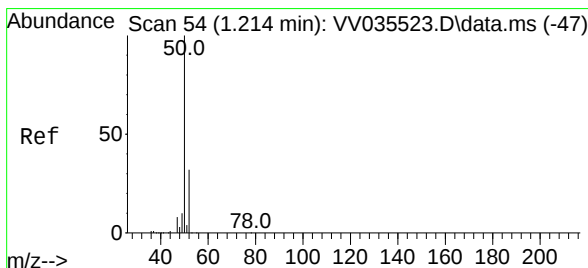
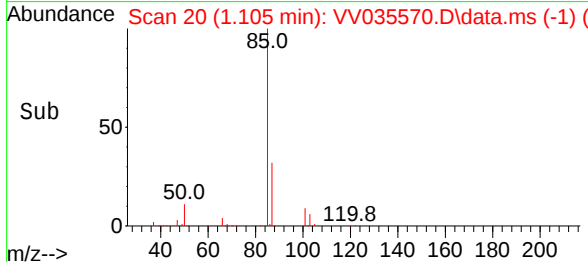
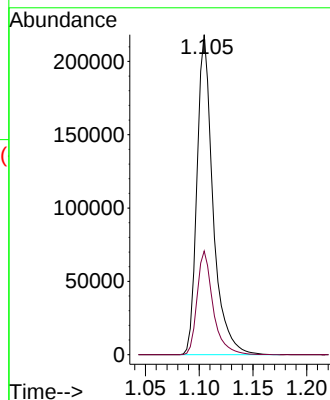
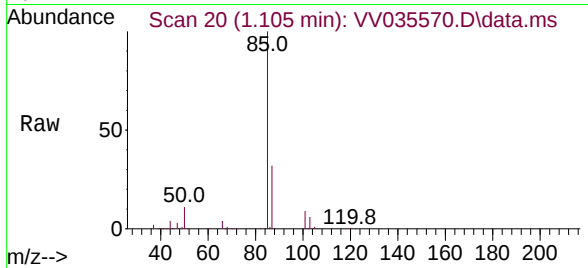




#2  
 Dichlorodifluoromethane  
 Concen: 63.336 ug/L  
 RT: 1.105 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VV035570.D  
 Acq: 10 May 2024 09:10

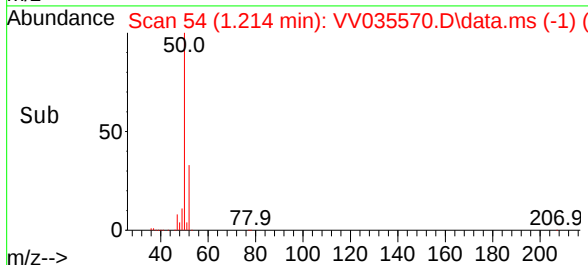
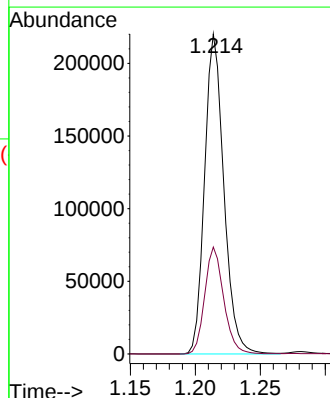
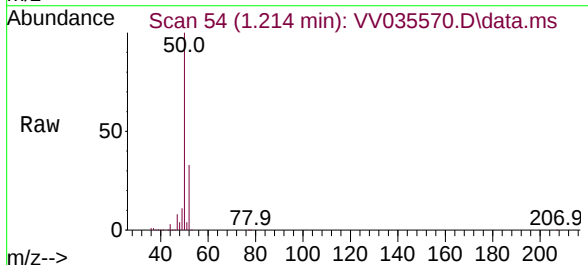
Instrument :  
 MSVOA\_V  
 ClientSampleId :

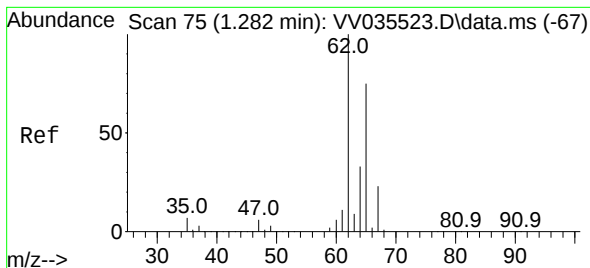
Tgt Ion: 85 Resp: 225707  
 Ion Ratio Lower Upper  
 85 100  
 87 32.2 25.8 38.8



#3  
 Chloromethane  
 Concen: 58.892 ug/L  
 RT: 1.214 min Scan# 54  
 Delta R.T. -0.000 min  
 Lab File: VV035570.D  
 Acq: 10 May 2024 09:10

Tgt Ion: 50 Resp: 227362  
 Ion Ratio Lower Upper  
 50 100  
 52 33.4 22.6 42.0





#5

Vinyl chloride

Concen: 57.443 ug/L

RT: 1.281 min Scan# 75

Delta R.T. -0.000 min

Lab File: VV035570.D

Acq: 10 May 2024 09:10

Instrument :

MSVOA\_V

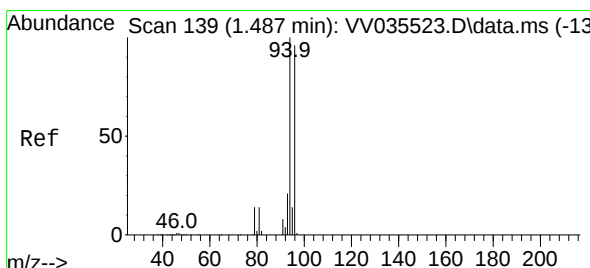
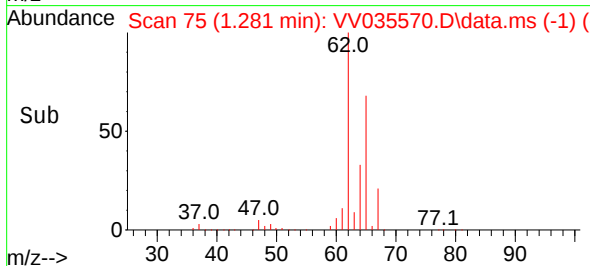
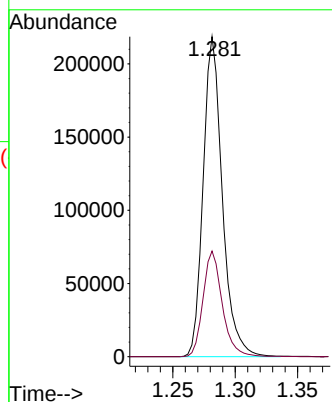
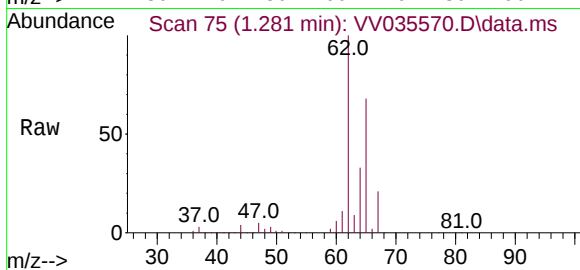
ClientSampleId :

Tgt Ion: 62 Resp: 233541

Ion Ratio Lower Upper

62 100

64 33.0 22.9 42.5



#6

Bromomethane

Concen: 37.088 ug/L

RT: 1.477 min Scan# 136

Delta R.T. -0.010 min

Lab File: VV035570.D

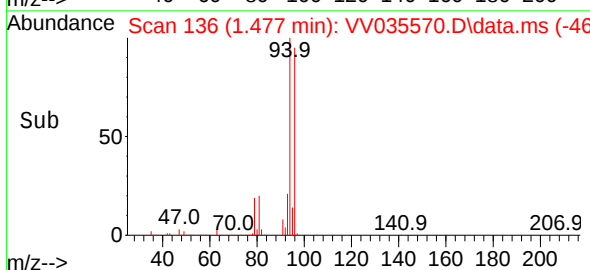
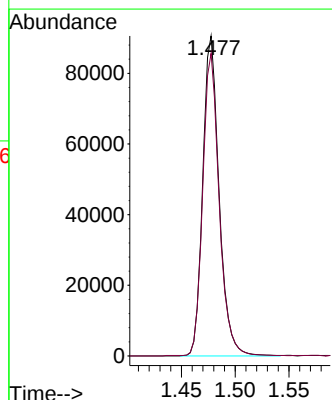
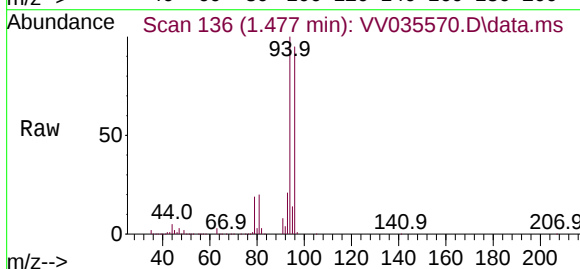
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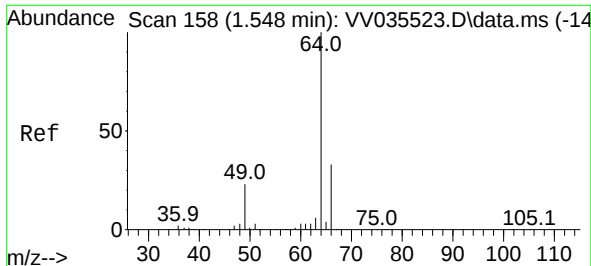
Tgt Ion: 94 Resp: 95873

Ion Ratio Lower Upper

94 100

96 94.5 66.2 123.0

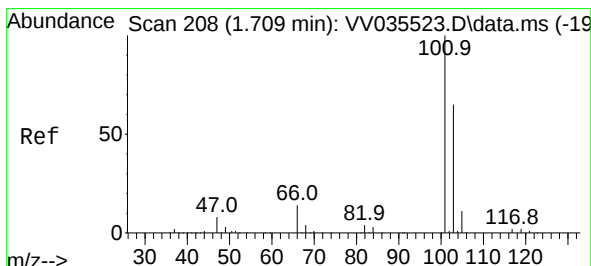
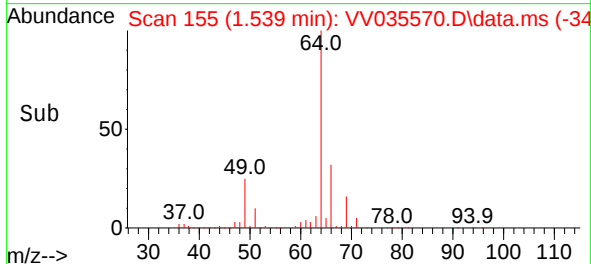
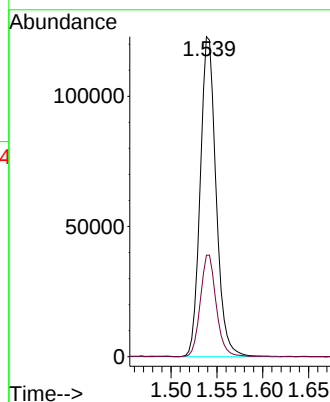
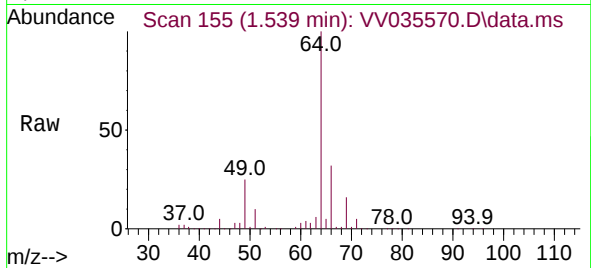




#8  
Chloroethane  
Concen: 63.202 ug/L  
RT: 1.539 min Scan# 158  
Delta R.T. -0.010 min  
Lab File: VV035570.D  
Acq: 10 May 2024 09:10

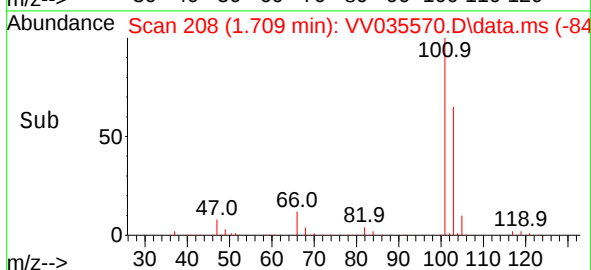
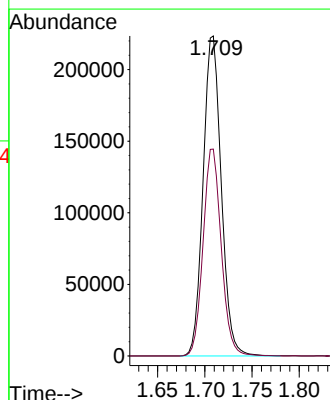
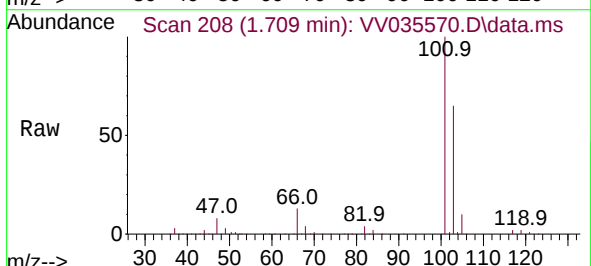
Instrument :  
MSVOA\_V  
ClientSampleId :

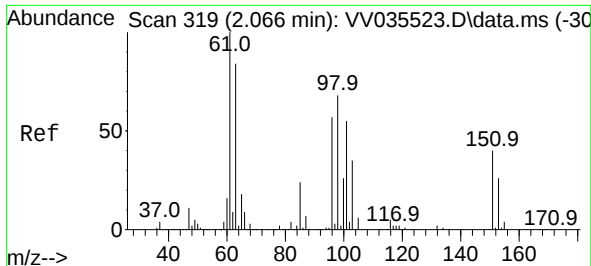
Tgt Ion: 64 Resp: 147741  
Ion Ratio Lower Upper  
64 100  
66 31.7 22.7 42.1



#9  
Trichlorofluoromethane  
Concen: 54.610 ug/L  
RT: 1.709 min Scan# 208  
Delta R.T. -0.000 min  
Lab File: VV035570.D  
Acq: 10 May 2024 09:10

Tgt Ion:101 Resp: 298697  
Ion Ratio Lower Upper  
101 100  
103 64.6 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 54.395 ug/L

RT: 2.063 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV035570.D

Acq: 10 May 2024 09:10

Instrument :

MSVOA\_V

ClientSampleId :

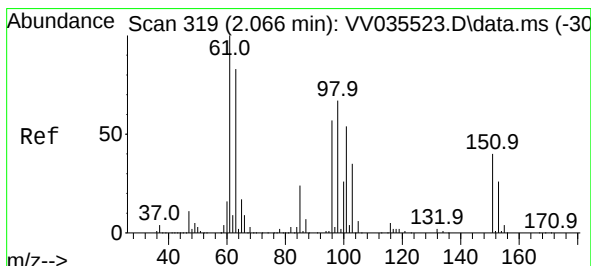
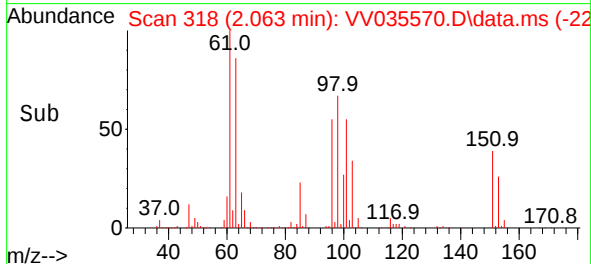
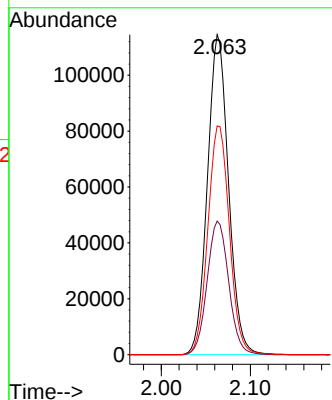
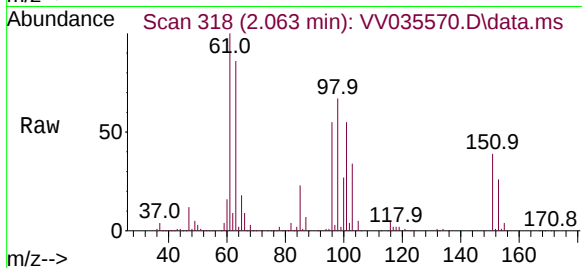
Tgt Ion:101 Resp: 188582

Ion Ratio Lower Upper

101 100

85 42.7 34.4 51.6

151 73.0 60.1 90.1



#12

1,1-Dichloroethene

Concen: 55.205 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.000 min

Lab File: VV035570.D

Acq: 10 May 2024 09:10

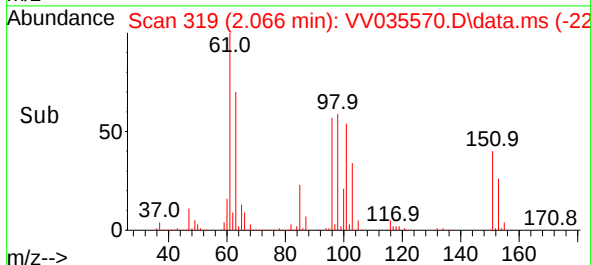
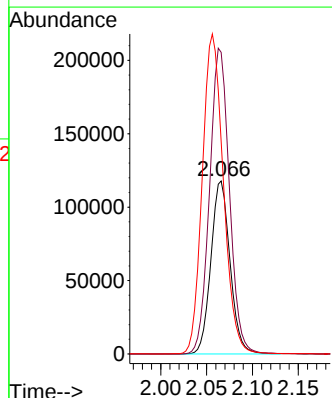
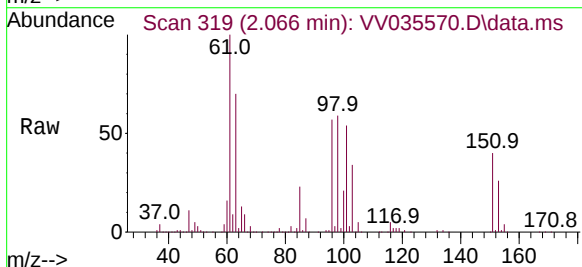
Tgt Ion: 96 Resp: 170960

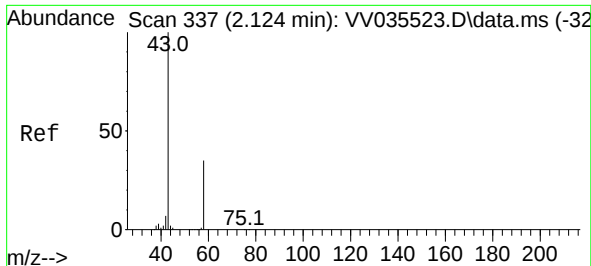
Ion Ratio Lower Upper

96 100

61 174.4 126.5 234.9

63 122.8 118.1 219.3





#13

Acetone

Concen: 100.415 ug/L

RT: 2.111 min Scan# 337

Delta R.T. -0.013 min

Lab File: VV035570.D

Acq: 10 May 2024 09:10

Instrument :

MSVOA\_V

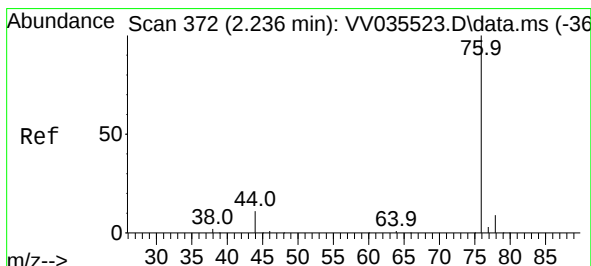
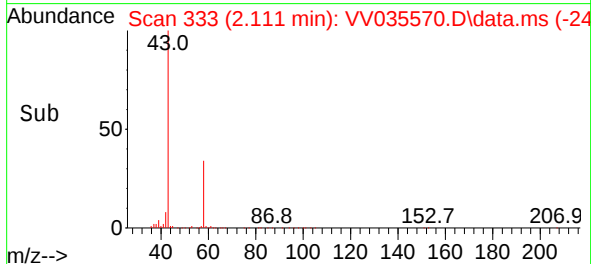
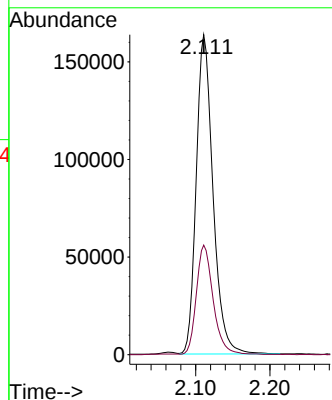
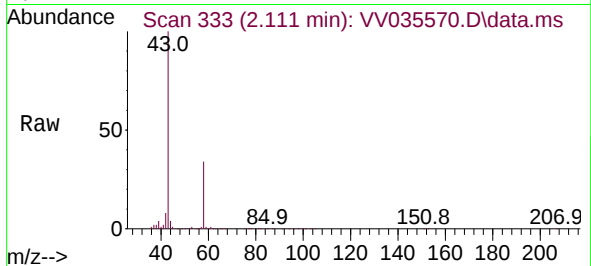
ClientSampleId :

Tgt Ion: 43 Resp: 257332

Ion Ratio Lower Upper

43 100

58 34.0 0.0 68.8



#14

Carbon disulfide

Concen: 64.800 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.000 min

Lab File: VV035570.D

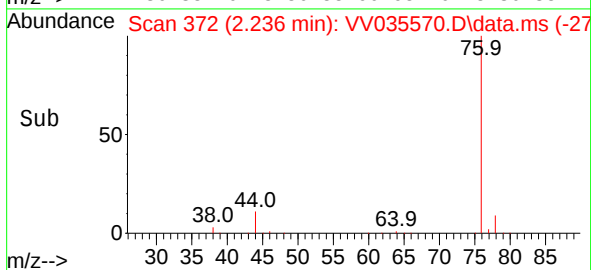
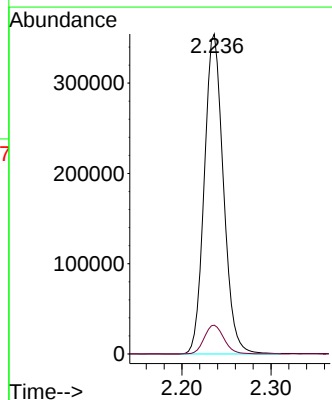
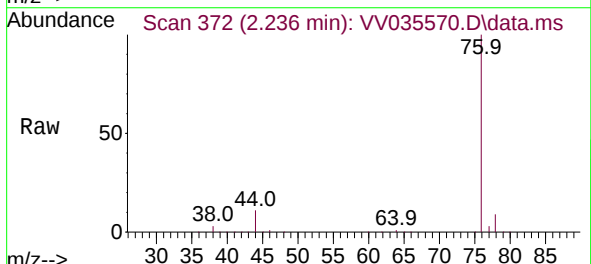
Acq: 10 May 2024 09:10

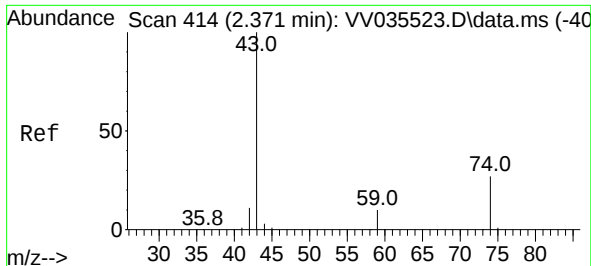
Tgt Ion: 76 Resp: 527171

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4





#15

Methyl Acetate

Concen: 50.460 ug/L

RT: 2.368 min Scan# 414

Delta R.T. -0.003 min

Lab File: VV035570.D

Acq: 10 May 2024 09:10

Instrument :

MSVOA\_V

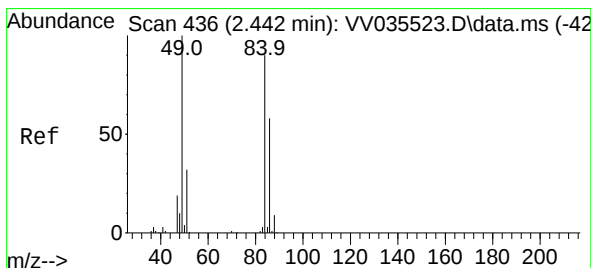
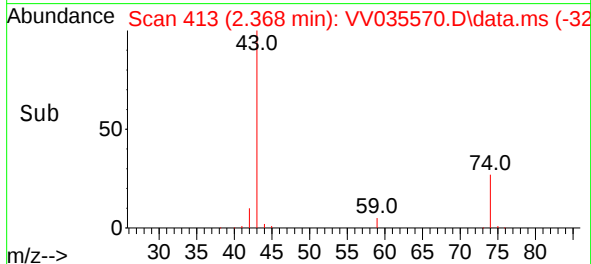
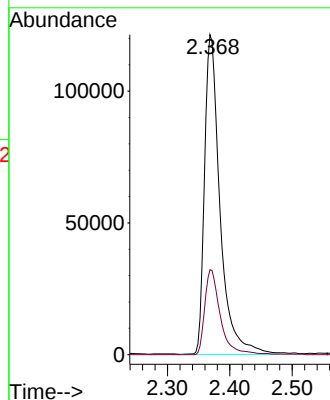
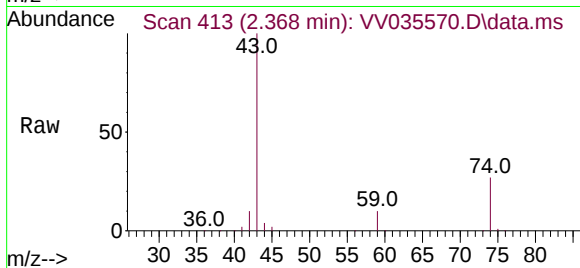
ClientSampleId :

Tgt Ion: 43 Resp: 209766

Ion Ratio Lower Upper

43 100

74 26.7 21.6 32.4



#16

Methylene chloride

Concen: 53.602 ug/L

RT: 2.442 min Scan# 436

Delta R.T. -0.000 min

Lab File: VV035570.D

Acq: 10 May 2024 09:10

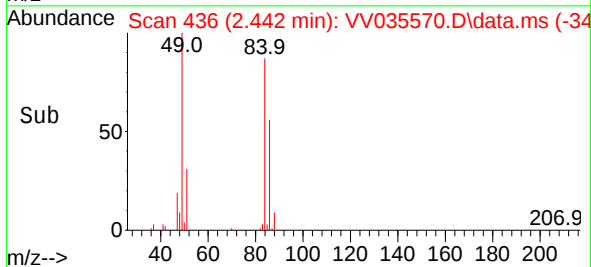
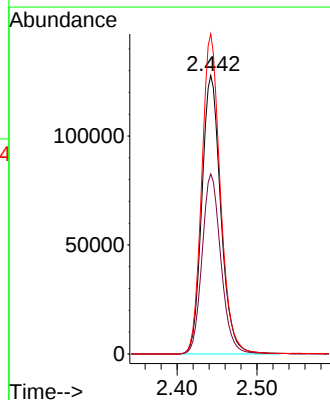
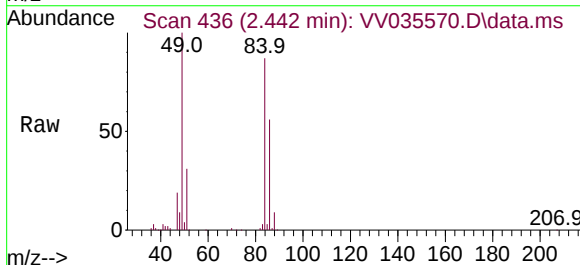
Tgt Ion: 84 Resp: 210331

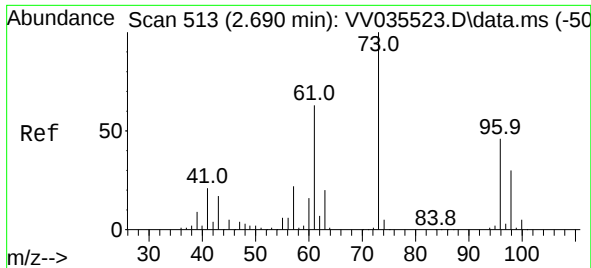
Ion Ratio Lower Upper

84 100

86 64.7 45.3 84.1

49 115.0 76.9 142.7

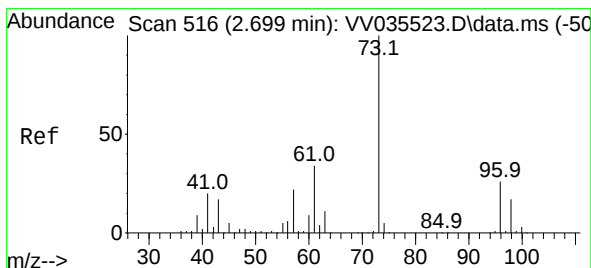
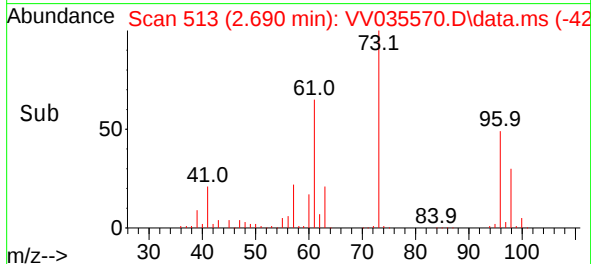
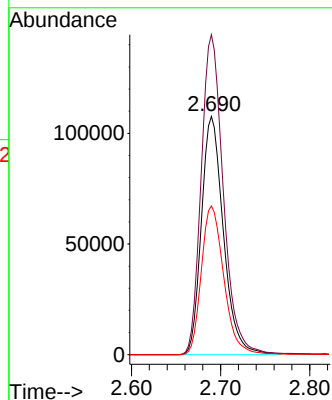
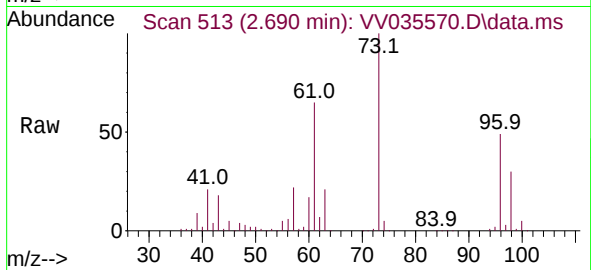




#17  
trans-1,2-Dichloroethene  
Concen: 56.507 ug/L  
RT: 2.690 min Scan# 513  
Delta R.T. -0.000 min  
Lab File: VV035570.D  
Acq: 10 May 2024 09:10

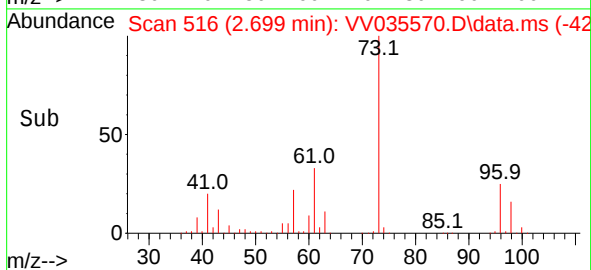
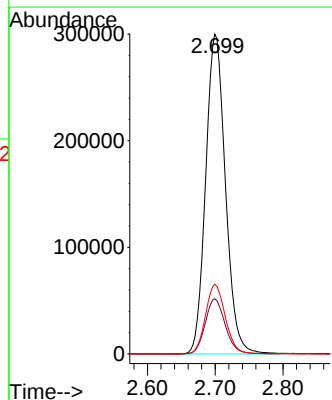
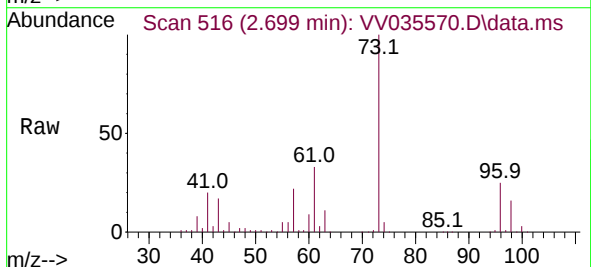
Instrument :  
MSVOA\_V  
ClientSampleId :

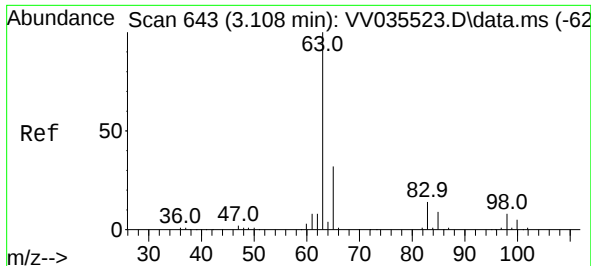
Tgt Ion: 96 Resp: 184966  
Ion Ratio Lower Upper  
96 100  
61 134.3 95.5 177.3  
98 62.5 44.9 83.5



#18  
Methyl tert-butyl Ether  
Concen: 52.824 ug/L  
RT: 2.699 min Scan# 516  
Delta R.T. -0.000 min  
Lab File: VV035570.D  
Acq: 10 May 2024 09:10

Tgt Ion: 73 Resp: 608094  
Ion Ratio Lower Upper  
73 100  
43 17.3 13.6 20.4  
57 21.8 17.4 26.0

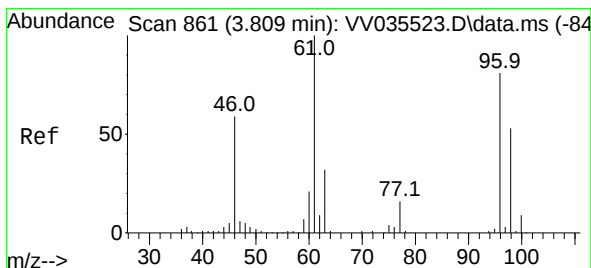
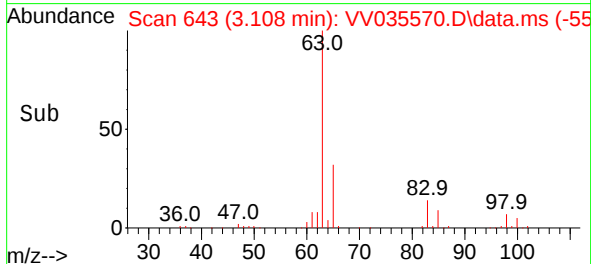
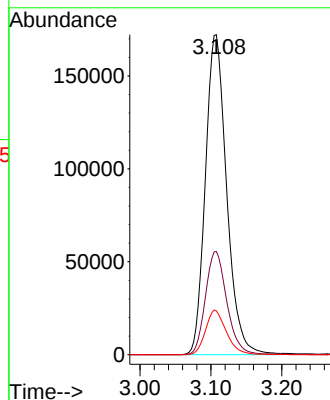
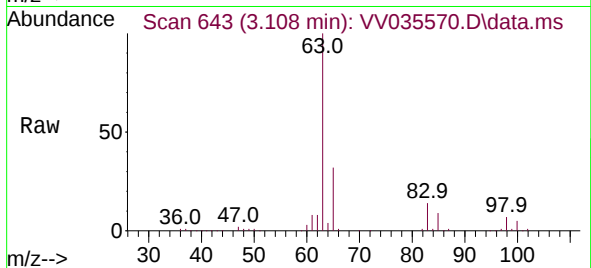




#19  
1,1-Dichloroethane  
Concen: 52.322 ug/L  
RT: 3.108 min Scan# 643  
Delta R.T. -0.000 min  
Lab File: VV035570.D  
Acq: 10 May 2024 09:10

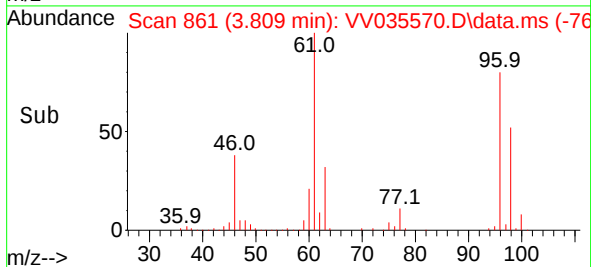
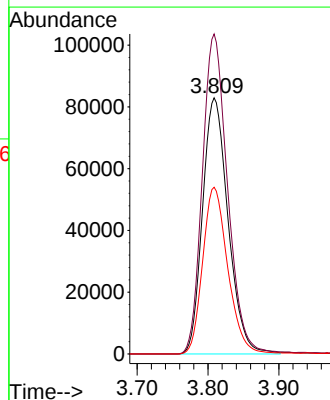
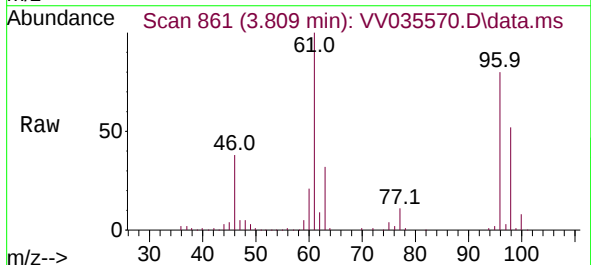
Instrument :  
MSVOA\_V  
ClientSampleId :

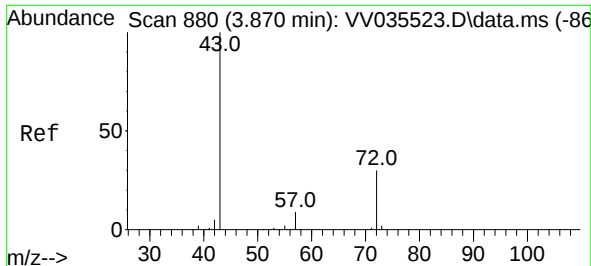
Tgt Ion: 63 Resp: 359625  
Ion Ratio Lower Upper  
63 100  
65 32.3 21.8 40.4  
83 13.7 9.2 17.2



#20  
cis-1,2-Dichloroethene  
Concen: 53.452 ug/L  
RT: 3.809 min Scan# 861  
Delta R.T. -0.000 min  
Lab File: VV035570.D  
Acq: 10 May 2024 09:10

Tgt Ion: 96 Resp: 208097  
Ion Ratio Lower Upper  
96 100  
61 124.9 84.0 156.0  
98 65.1 44.9 83.5

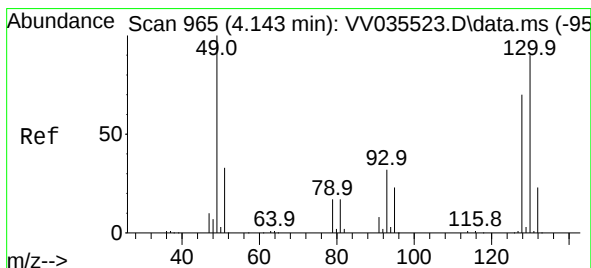
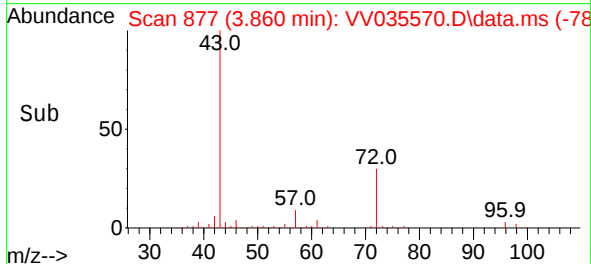
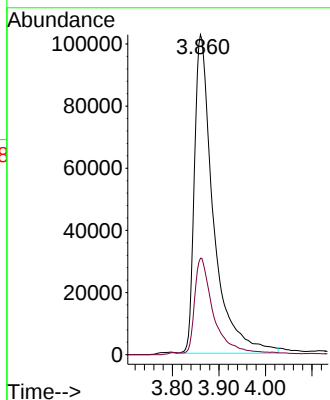
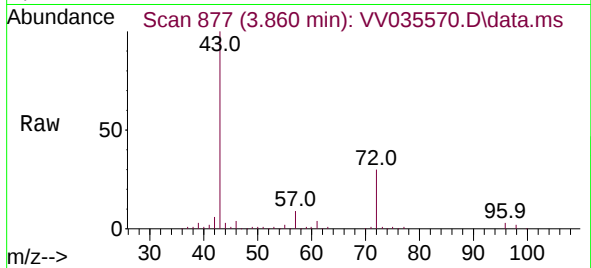




#22  
2-Butanone  
Concen: 95.786 ug/L  
RT: 3.860 min Scan# 81  
Delta R.T. -0.010 min  
Lab File: VV035570.D  
Acq: 10 May 2024 09:10

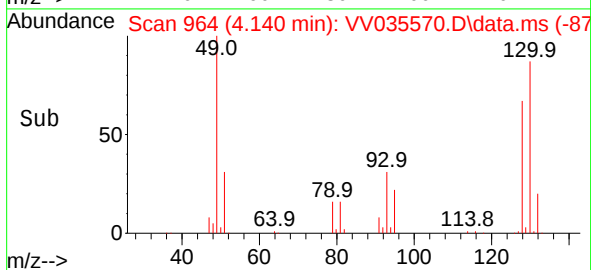
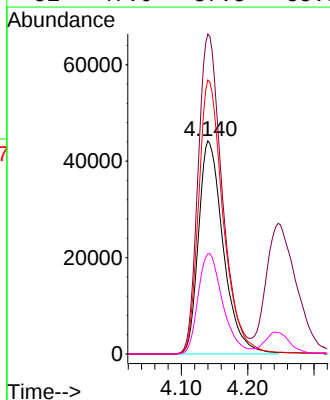
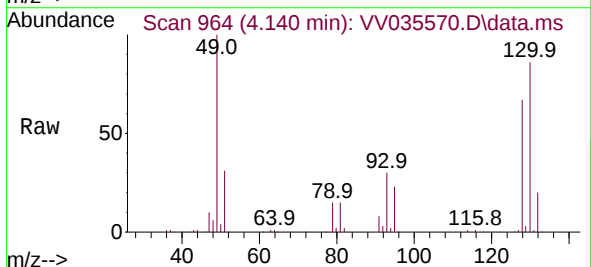
Instrument :  
MSVOA\_V  
ClientSampleId :

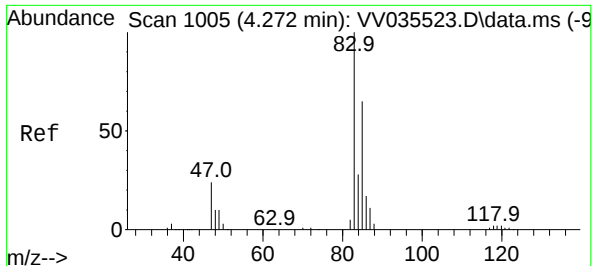
Tgt Ion: 43 Resp: 290588  
Ion Ratio Lower Upper  
43 100  
72 29.3 14.4 43.0



#23  
Bromochloromethane  
Concen: 53.712 ug/L  
RT: 4.140 min Scan# 964  
Delta R.T. -0.003 min  
Lab File: VV035570.D  
Acq: 10 May 2024 09:10

Tgt Ion:128 Resp: 114362  
Ion Ratio Lower Upper  
128 100  
49 150.1 102.0 189.4  
130 128.5 91.5 169.9  
51 47.0 37.3 55.9





#25

Chloroform

Concen: 52.510 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. -0.000 min

Lab File: VV035570.D

Acq: 10 May 2024 09:10

Instrument :

MSVOA\_V

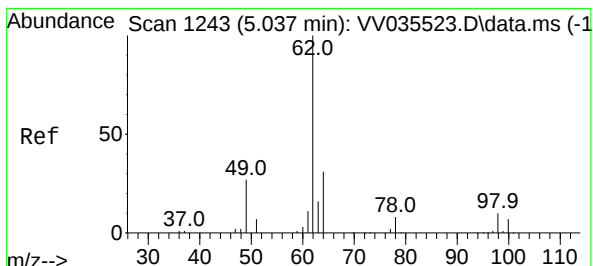
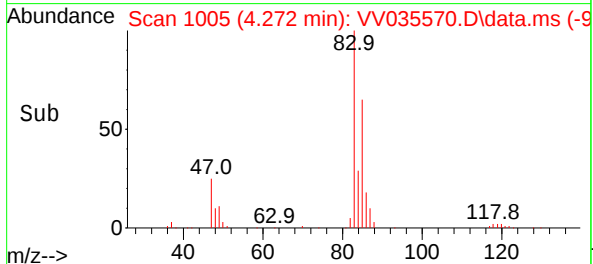
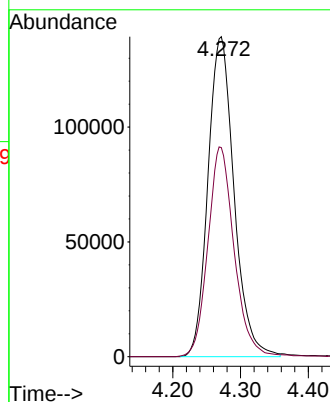
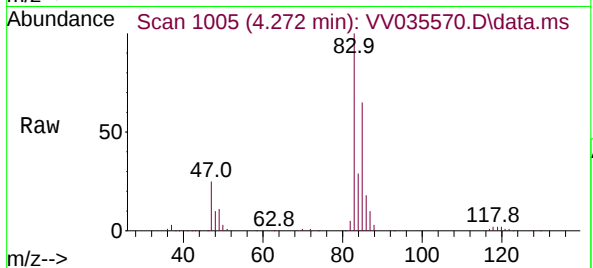
ClientSampleId :

Tgt Ion: 83 Resp: 372528

Ion Ratio Lower Upper

83 100

85 65.4 45.8 85.2



#27

1,2-Dichloroethane

Concen: 55.616 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. -0.003 min

Lab File: VV035570.D

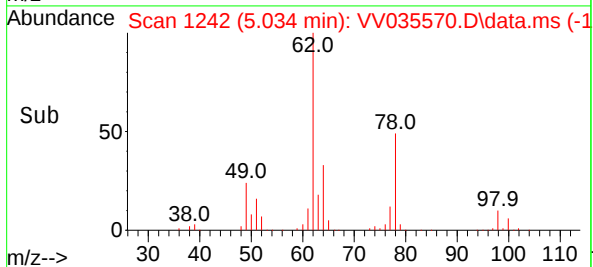
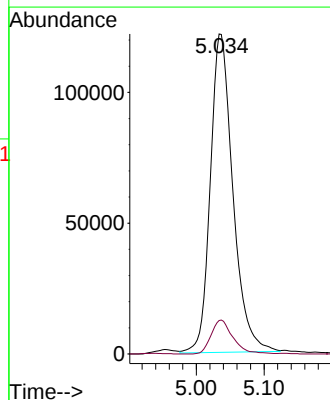
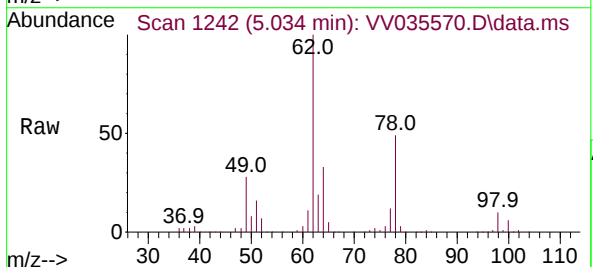
Acq: 10 May 2024 09:10

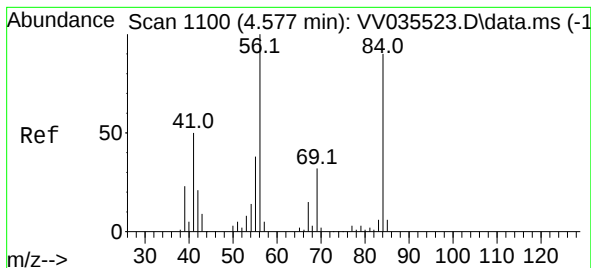
Tgt Ion: 62 Resp: 282375

Ion Ratio Lower Upper

62 100

98 10.4 8.2 12.2





#29

Cyclohexane

Concen: 60.728 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. -0.000 min

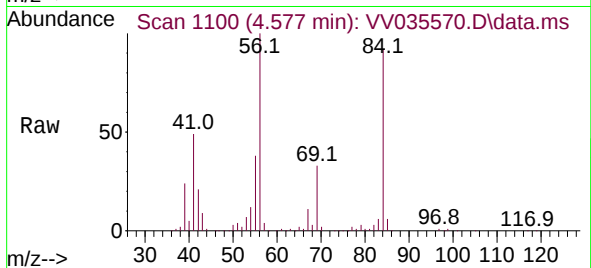
Lab File: VV035570.D

Acq: 10 May 2024 09:10

Instrument :

MSVOA\_V

ClientSampleId :



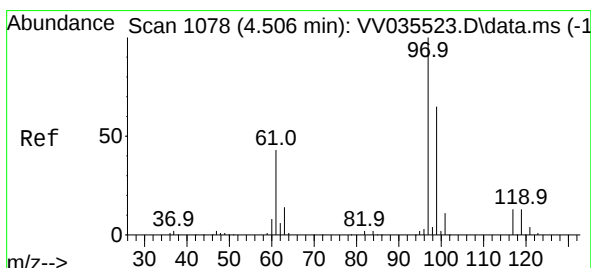
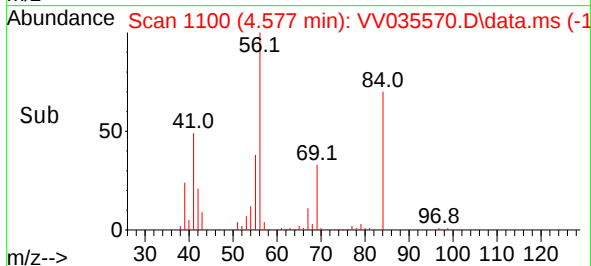
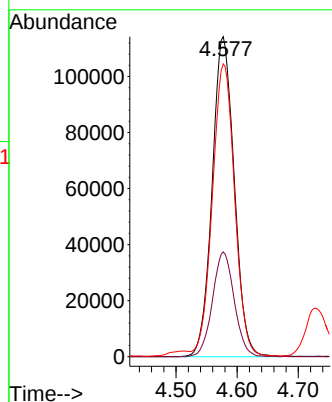
Tgt Ion: 56 Resp: 286121

Ion Ratio Lower Upper

56 100

69 32.3 25.5 38.3

84 92.0 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 52.273 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VV035570.D

Acq: 10 May 2024 09:10

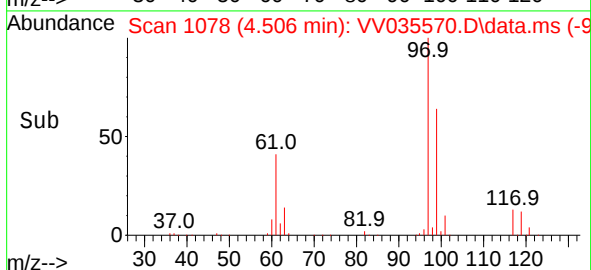
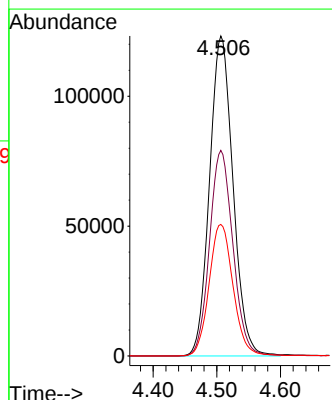
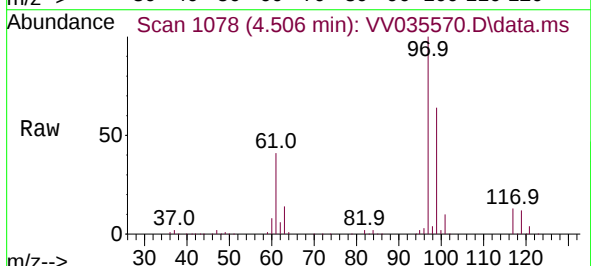
Tgt Ion: 97 Resp: 315686

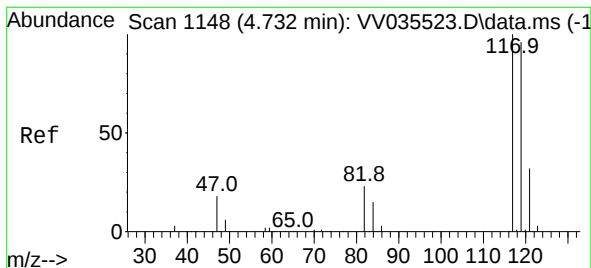
Ion Ratio Lower Upper

97 100

99 64.1 51.9 77.9

61 42.1 34.1 51.1





#31

Carbon tetrachloride

Concen: 53.786 ug/L

RT: 4.728 min Scan# 1147

Delta R.T. -0.003 min

Lab File: VV035570.D

Acq: 10 May 2024 09:10

Instrument :

MSVOA\_V

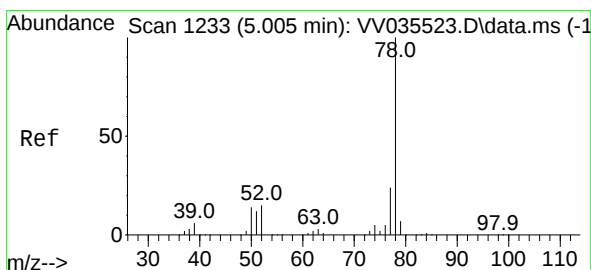
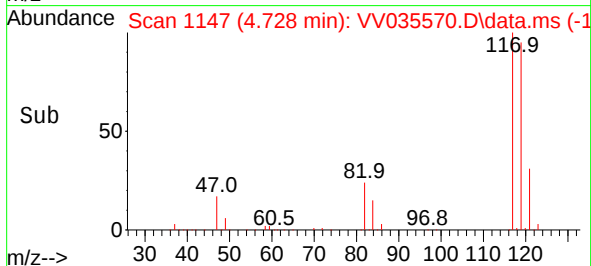
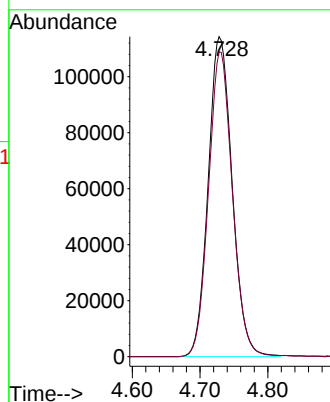
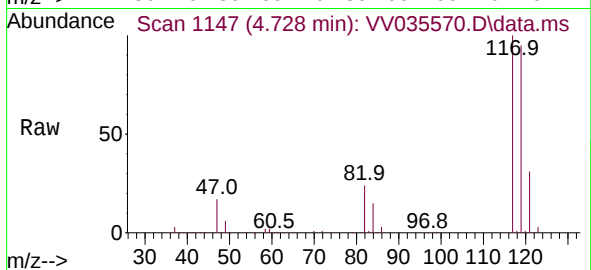
ClientSampleId :

Tgt Ion:117 Resp: 280860

Ion Ratio Lower Upper

117 100

119 94.8 76.5 114.7



#33

Benzene

Concen: 55.125 ug/L

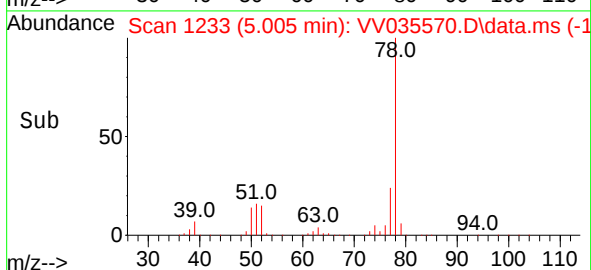
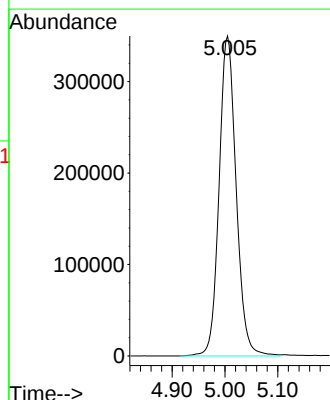
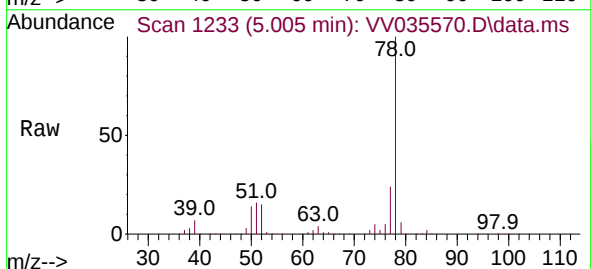
RT: 5.005 min Scan# 1233

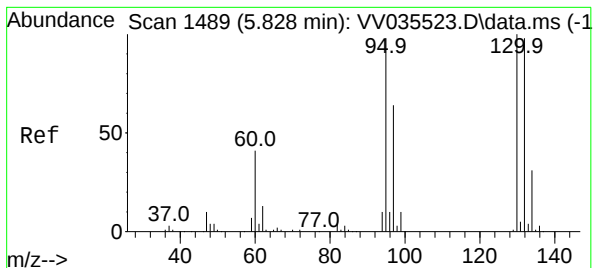
Delta R.T. -0.000 min

Lab File: VV035570.D

Acq: 10 May 2024 09:10

Tgt Ion: 78 Resp: 785524





#34

Trichloroethene

Concen: 56.649 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VV035570.D

Acq: 10 May 2024 09:10

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 95 Resp: 214817

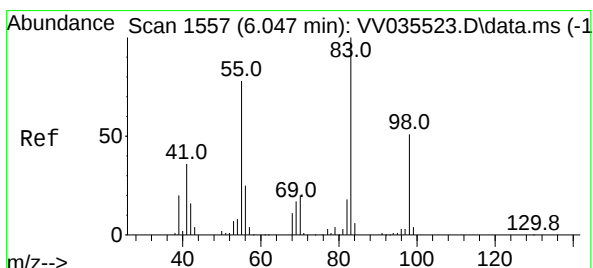
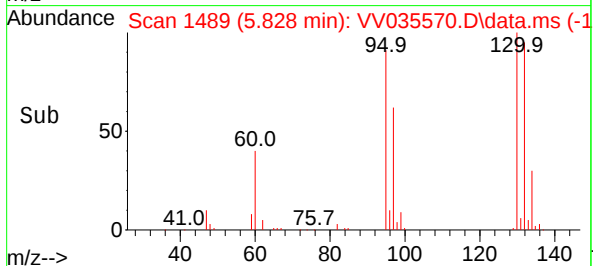
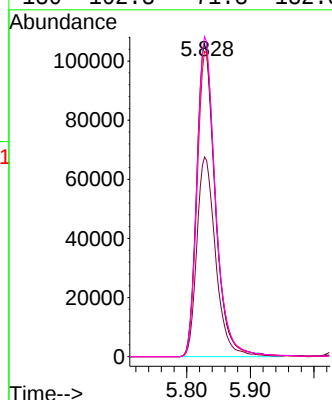
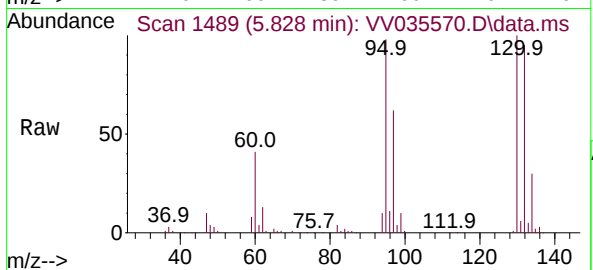
Ion Ratio Lower Upper

95 100

97 63.8 45.1 83.9

132 97.5 69.4 128.8

130 102.3 71.3 132.3



#35

Methylcyclohexane

Concen: 61.611 ug/L

RT: 6.046 min Scan# 1557

Delta R.T. -0.000 min

Lab File: VV035570.D

Acq: 10 May 2024 09:10

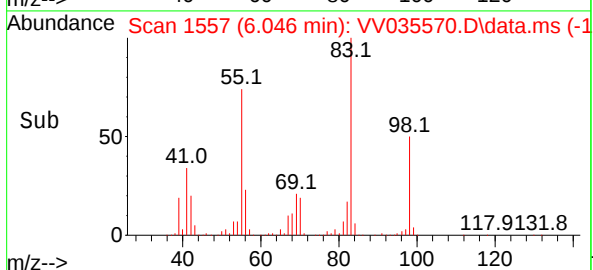
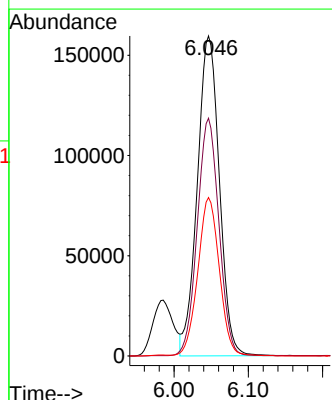
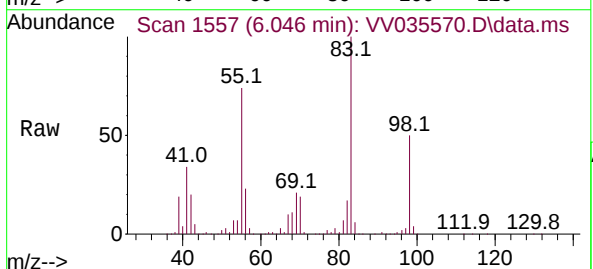
Tgt Ion: 83 Resp: 329590

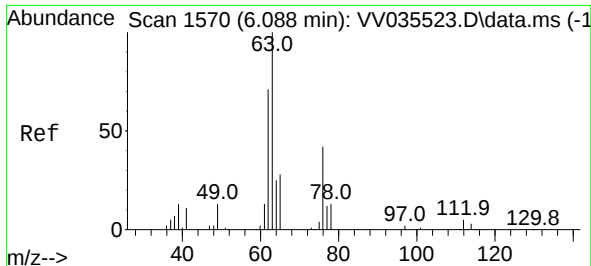
Ion Ratio Lower Upper

83 100

55 72.8 57.5 86.3

98 48.2 38.9 58.3

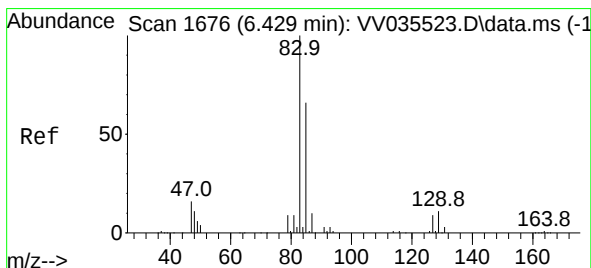
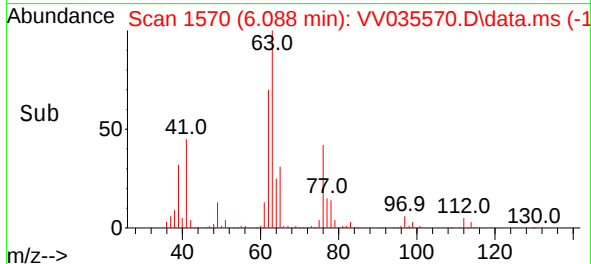
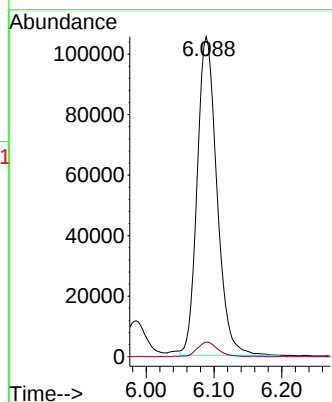
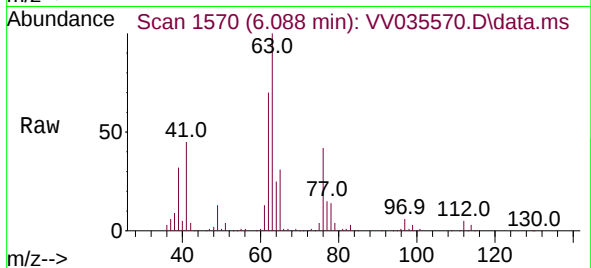




#37  
1,2-Dichloropropane  
Concen: 54.460 ug/L  
RT: 6.088 min Scan# 1570  
Delta R.T. -0.000 min  
Lab File: VV035570.D  
Acq: 10 May 2024 09:10

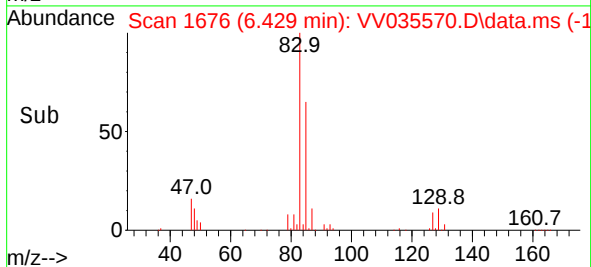
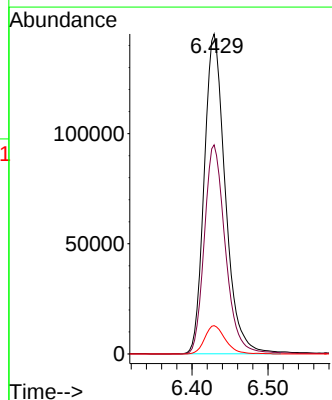
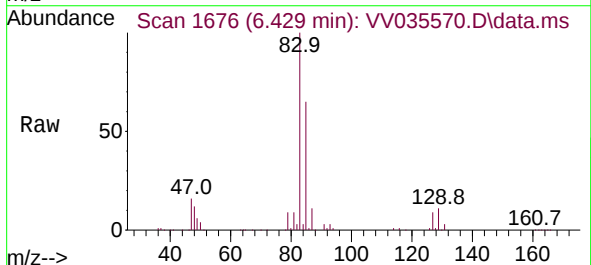
Instrument :  
MSVOA\_V  
ClientSampleId :

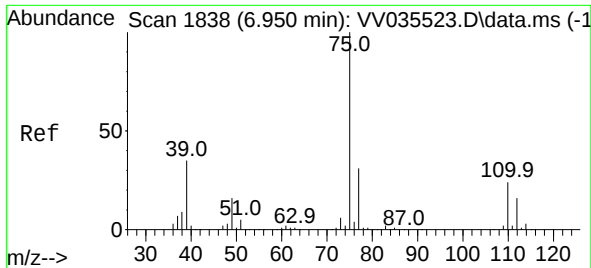
Tgt Ion: 63 Resp: 213221  
Ion Ratio Lower Upper  
63 100  
112 4.6 3.4 5.2



#38  
Bromodichloromethane  
Concen: 51.909 ug/L  
RT: 6.429 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VV035570.D  
Acq: 10 May 2024 09:10

Tgt Ion: 83 Resp: 279604  
Ion Ratio Lower Upper  
83 100  
85 65.3 45.1 83.9  
127 8.8 6.9 10.3

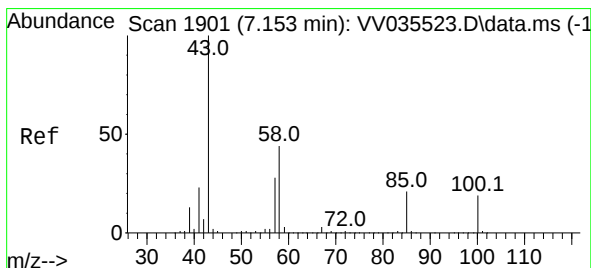
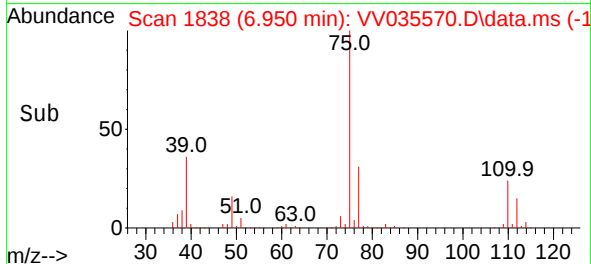
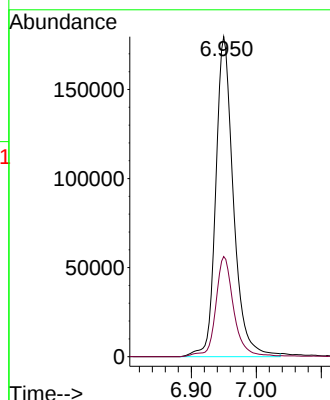
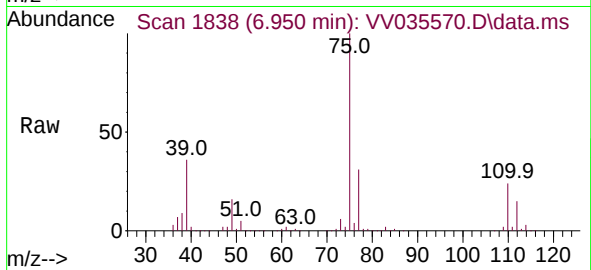




#39  
 cis-1,3-Dichloropropene  
 Concen: 55.132 ug/L  
 RT: 6.950 min Scan# 1838  
 Delta R.T. -0.000 min  
 Lab File: VV035570.D  
 Acq: 10 May 2024 09:10

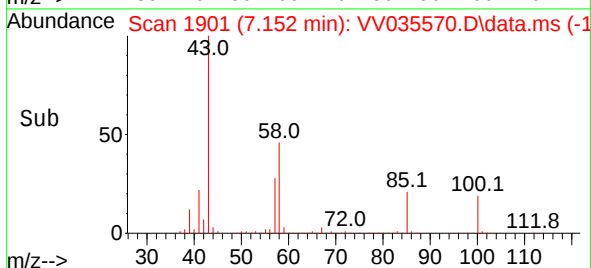
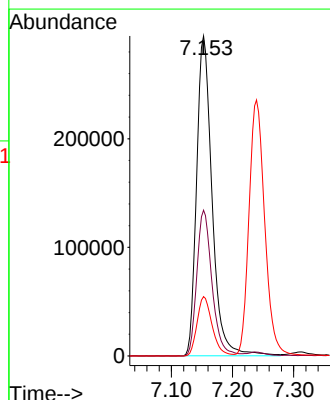
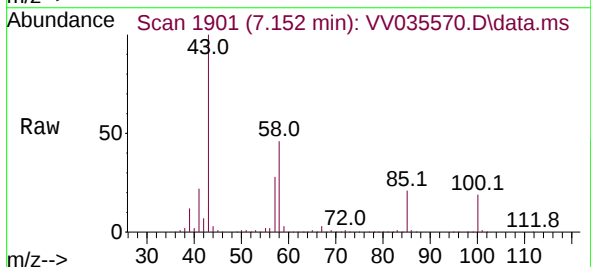
Instrument :  
 MSVOA\_V  
 ClientSampleId :

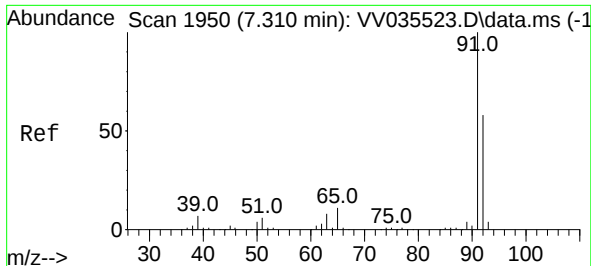
Tgt Ion: 75 Resp: 338843  
 Ion Ratio Lower Upper  
 75 100  
 77 31.3 22.3 41.3



#40  
 4-Methyl-2-pentanone  
 Concen: 99.170 ug/L  
 RT: 7.152 min Scan# 1901  
 Delta R.T. -0.000 min  
 Lab File: VV035570.D  
 Acq: 10 May 2024 09:10

Tgt Ion: 43 Resp: 518281  
 Ion Ratio Lower Upper  
 43 100  
 58 44.5 36.1 54.1  
 100 18.0 15.0 22.4





#42

Toluene

Concen: 55.783 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VV035570.D

Acq: 10 May 2024 09:10

Instrument :

MSVOA\_V

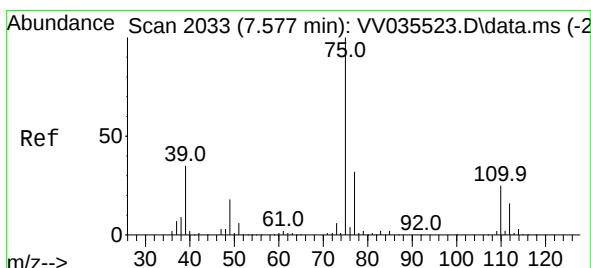
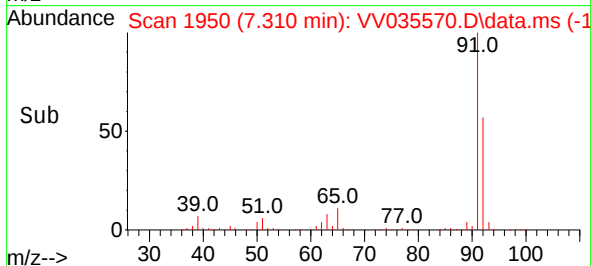
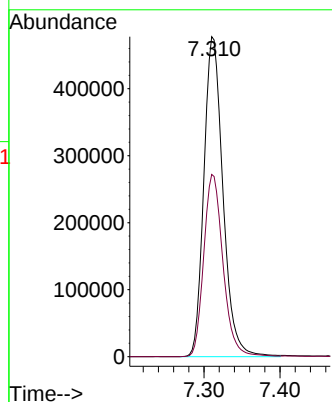
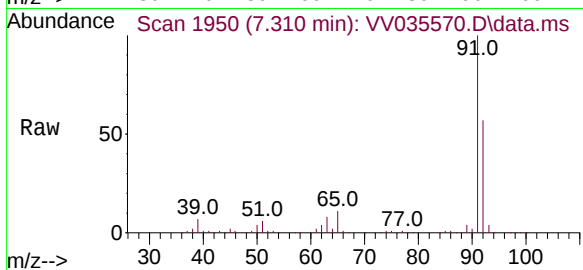
ClientSampleId :

Tgt Ion: 91 Resp: 833929

Ion Ratio Lower Upper

91 100

92 56.9 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 55.597 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV035570.D

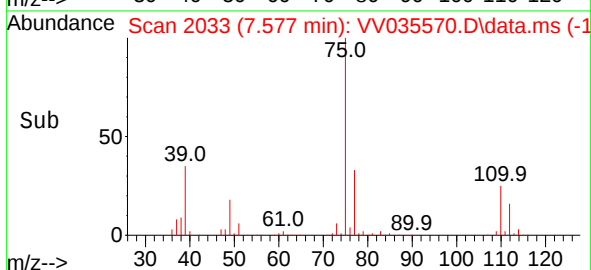
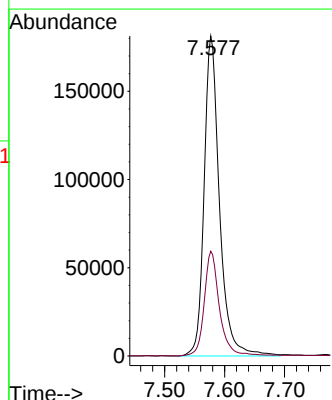
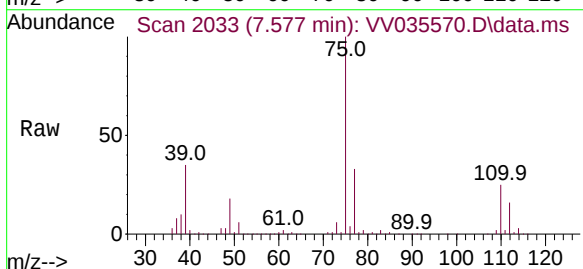
Acq: 10 May 2024 09:10

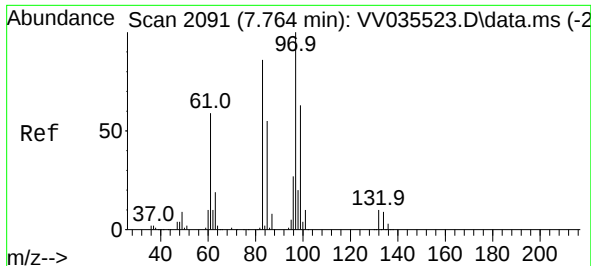
Tgt Ion: 75 Resp: 324572

Ion Ratio Lower Upper

75 100

77 32.7 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 51.603 ug/L

RT: 7.763 min Scan# 2091

Delta R.T. -0.000 min

Lab File: VV035570.D

Acq: 10 May 2024 09:10

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 97 Resp: 216074

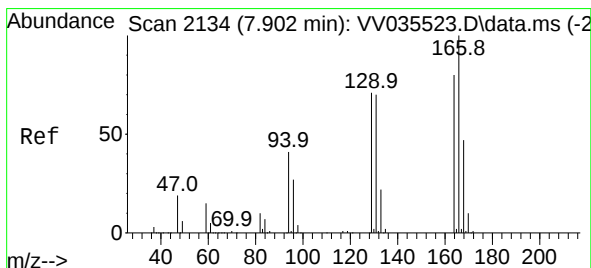
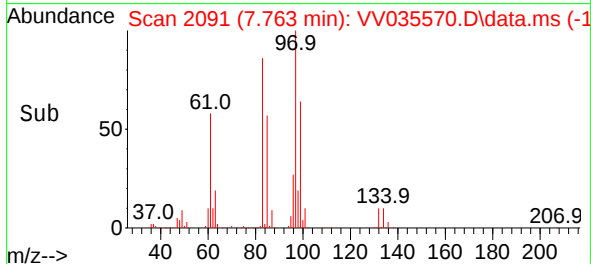
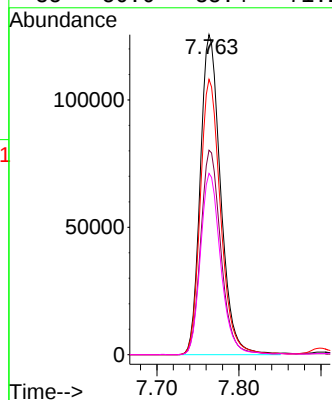
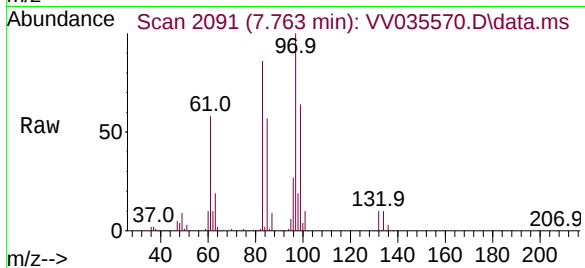
Ion Ratio Lower Upper

97 100

99 63.9 44.2 82.2

83 86.0 59.3 110.1

85 56.6 38.4 71.2



#46

Tetrachloroethene

Concen: 55.115 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. -0.000 min

Lab File: VV035570.D

Acq: 10 May 2024 09:10

Tgt Ion:164 Resp: 168807

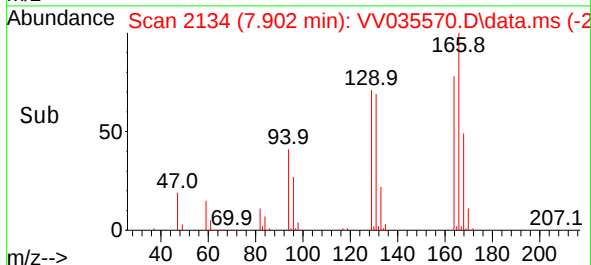
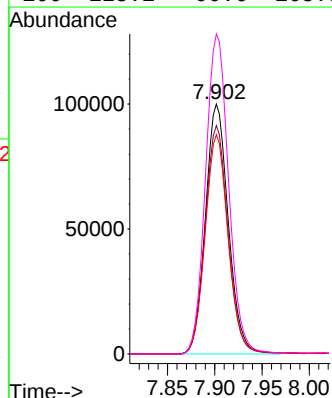
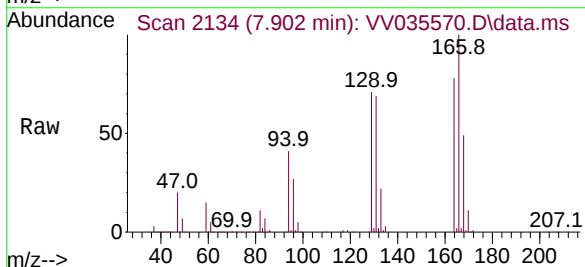
Ion Ratio Lower Upper

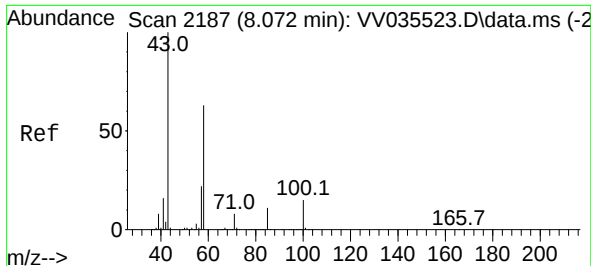
164 100

129 91.4 64.7 120.1

131 87.8 61.5 114.1

166 128.1 90.6 168.3





#48

2-Hexanone

Concen: 97.756 ug/L

RT: 8.072 min Scan# 2187

Delta R.T. -0.000 min

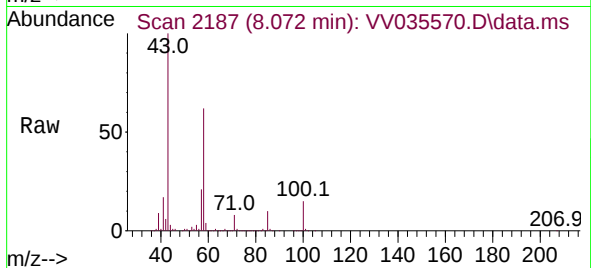
Lab File: VV035570.D

Acq: 10 May 2024 09:10

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion: 43 Resp: 415684

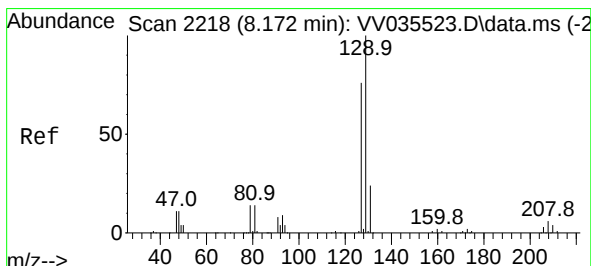
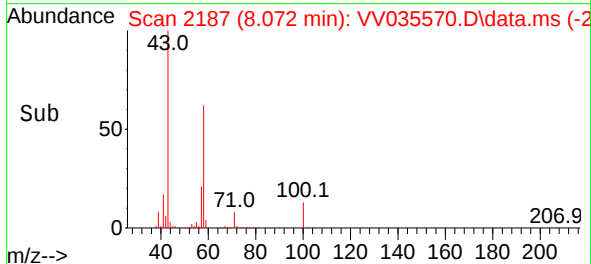
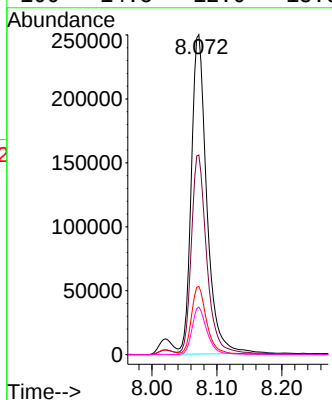
Ion Ratio Lower Upper

43 100

58 61.5 50.8 76.2

57 21.1 17.6 26.4

100 14.5 12.0 18.0



#49

Dibromochloromethane

Concen: 51.759 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. -0.000 min

Lab File: VV035570.D

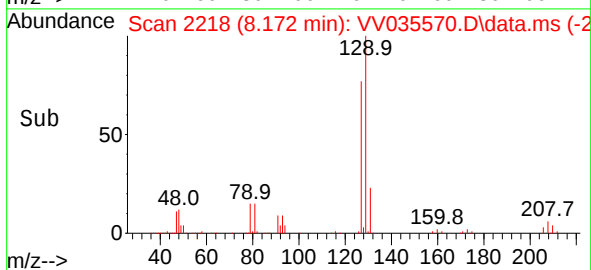
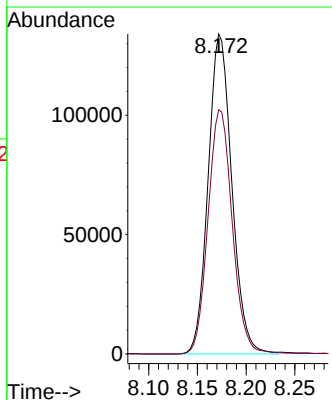
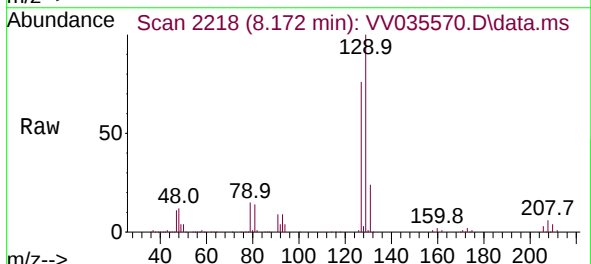
Acq: 10 May 2024 09:10

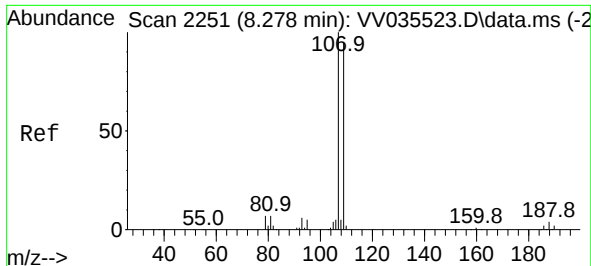
Tgt Ion: 129 Resp: 226862

Ion Ratio Lower Upper

129 100

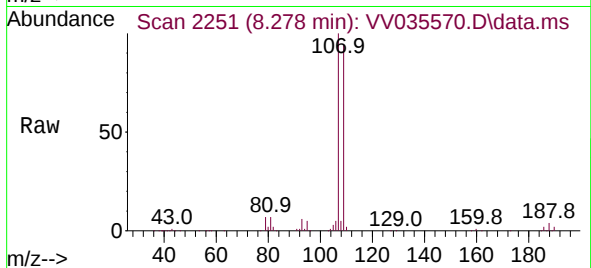
127 76.3 54.3 100.8



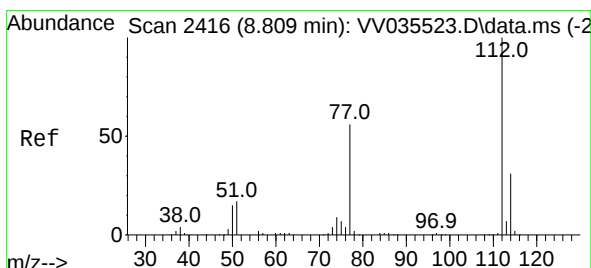
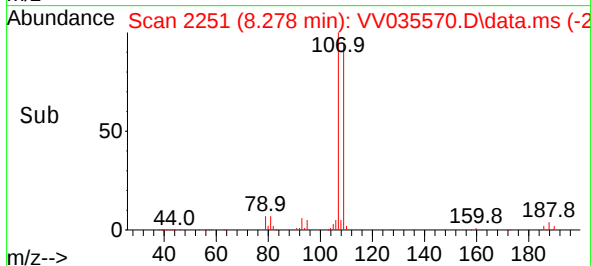
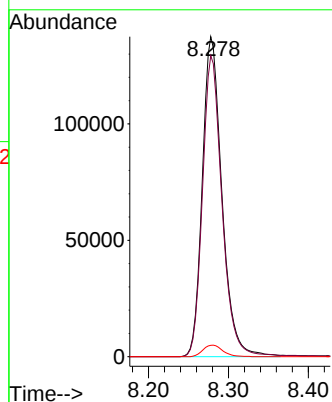


#50  
1,2-Dibromoethane  
Concen: 53.721 ug/L  
RT: 8.278 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV035570.D  
Acq: 10 May 2024 09:10

Instrument :  
MSVOA\_V  
ClientSampleId :

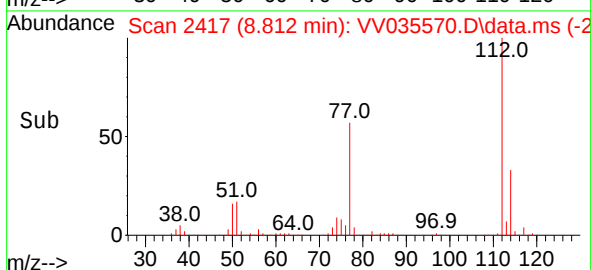
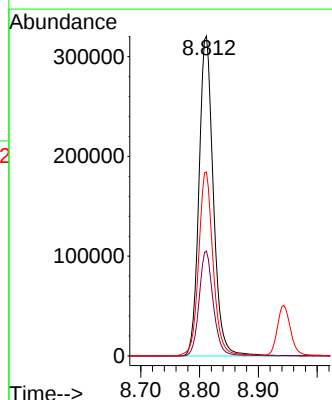
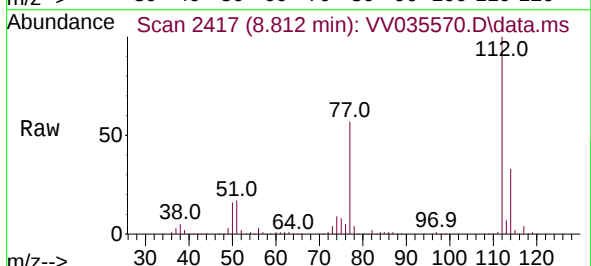


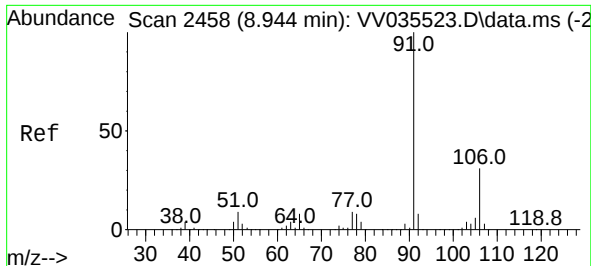
Tgt Ion:107 Resp: 235013  
Ion Ratio Lower Upper  
107 100  
109 94.1 65.7 122.1  
188 3.6 3.1 4.7



#51  
Chlorobenzene  
Concen: 52.295 ug/L  
RT: 8.812 min Scan# 2417  
Delta R.T. 0.003 min  
Lab File: VV035570.D  
Acq: 10 May 2024 09:10

Tgt Ion:112 Resp: 542709  
Ion Ratio Lower Upper  
112 100  
114 32.7 22.4 41.6  
77 57.5 45.9 68.9

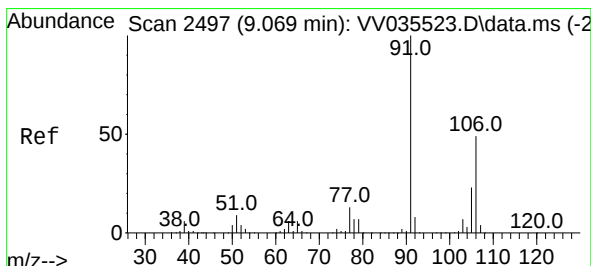
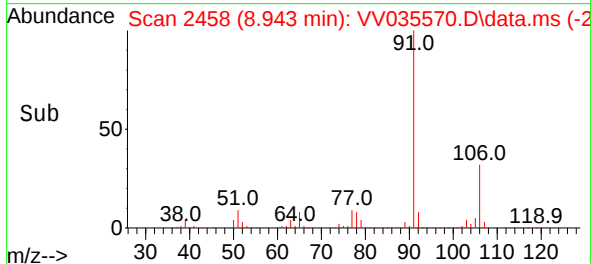
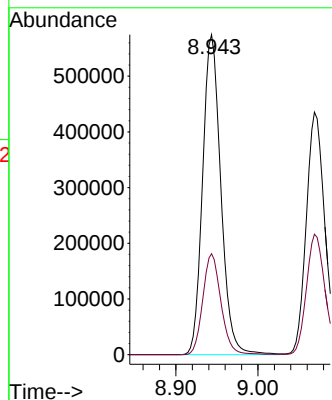
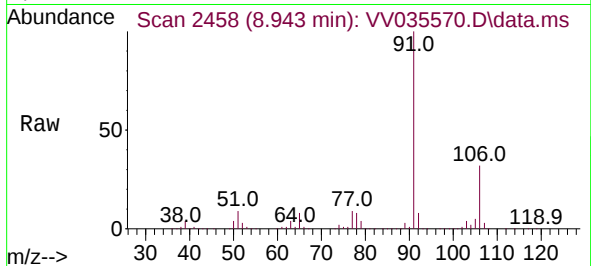




#52  
Ethylbenzene  
Concen: 54.951 ug/L  
RT: 8.943 min Scan# 2458  
Delta R.T. -0.000 min  
Lab File: VV035570.D  
Acq: 10 May 2024 09:10

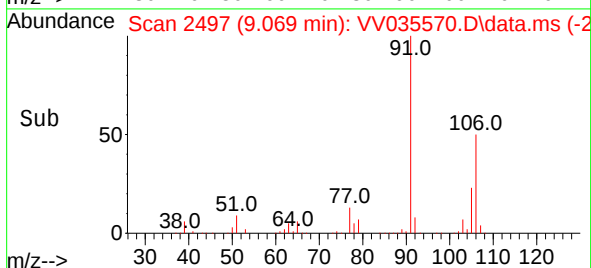
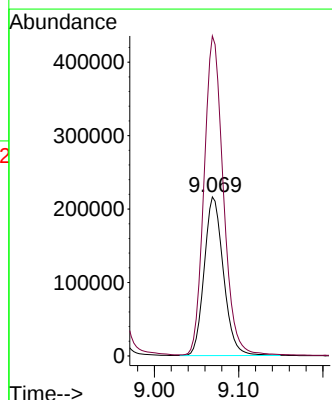
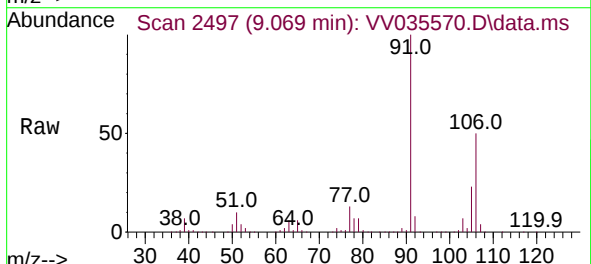
Instrument :  
MSVOA\_V  
ClientSampleId :

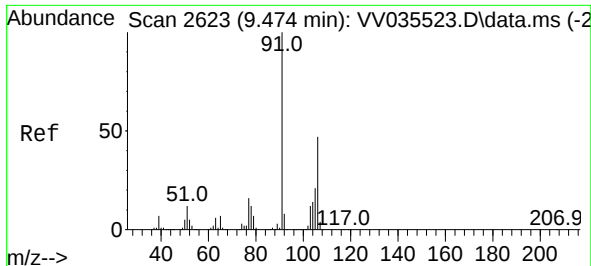
Tgt Ion: 91 Resp: 887494  
Ion Ratio Lower Upper  
91 100  
106 31.6 21.6 40.0



#53  
m,p-Xylene  
Concen: 57.341 ug/L  
RT: 9.069 min Scan# 2497  
Delta R.T. -0.000 min  
Lab File: VV035570.D  
Acq: 10 May 2024 09:10

Tgt Ion: 106 Resp: 343558  
Ion Ratio Lower Upper  
106 100  
91 201.3 144.8 268.8





#54

o-Xylene

Concen: 54.327 ug/L

RT: 9.474 min Scan# 2623

Delta R.T. -0.000 min

Lab File: VV035570.D

Acq: 10 May 2024 09:10

Instrument :

MSVOA\_V

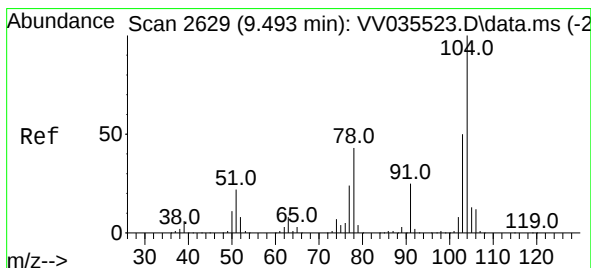
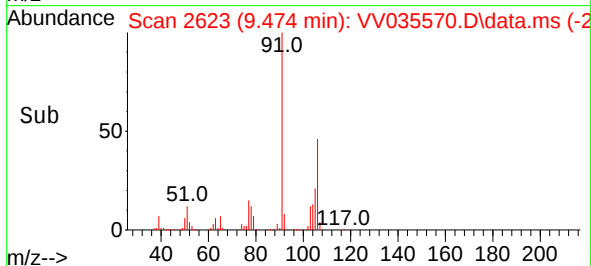
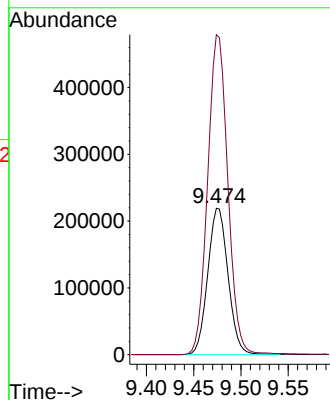
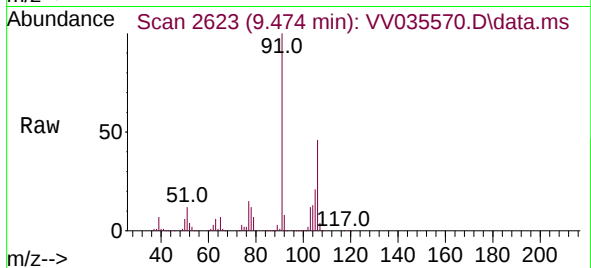
ClientSampleId :

Tgt Ion:106 Resp: 327991

Ion Ratio Lower Upper

106 100

91 218.6 149.9 278.3



#55

Styrene

Concen: 57.212 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. -0.000 min

Lab File: VV035570.D

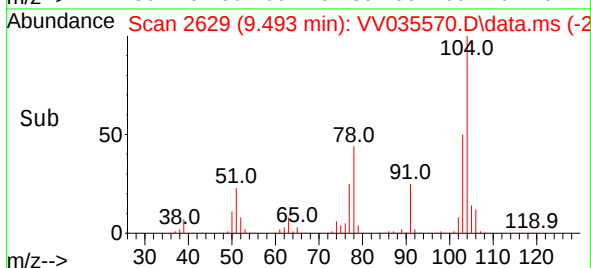
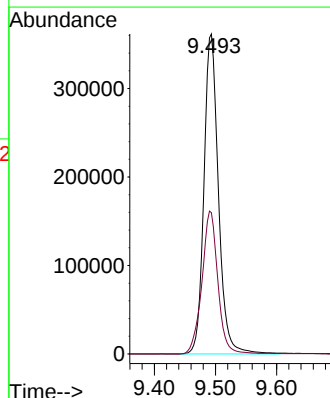
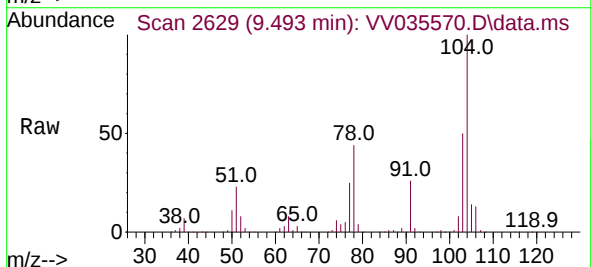
Acq: 10 May 2024 09:10

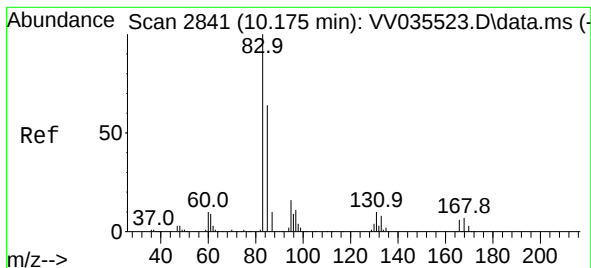
Tgt Ion:104 Resp: 596974

Ion Ratio Lower Upper

104 100

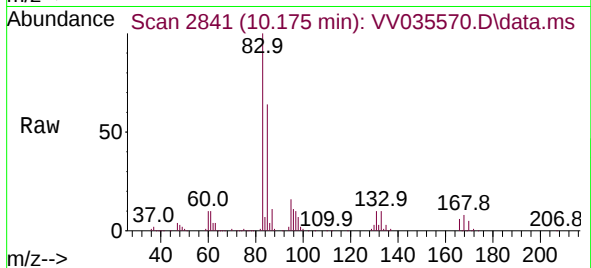
78 44.1 29.9 55.5



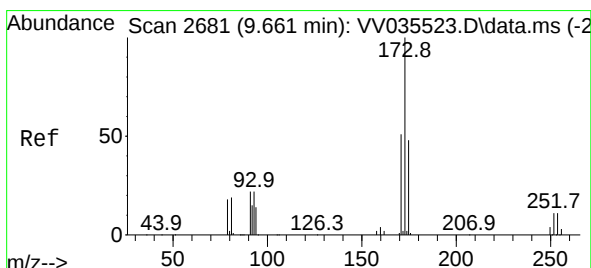
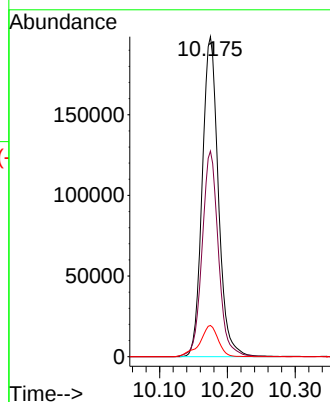
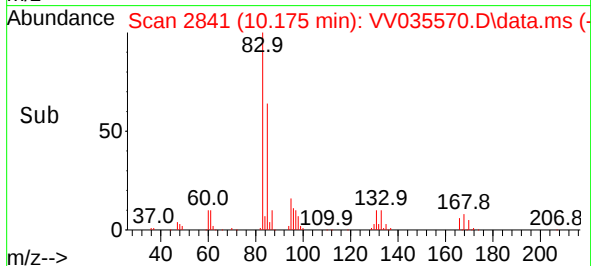


#57  
1,1,2,2-Tetrachloroethane  
Concen: 45.656 ug/L  
RT: 10.175 min Scan# 2841  
Delta R.T. -0.000 min  
Lab File: VV035570.D  
Acq: 10 May 2024 09:10

Instrument :  
MSVOA\_V  
ClientSampleId :

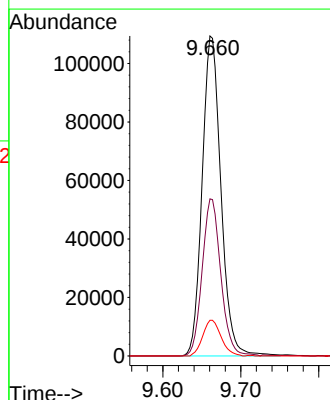
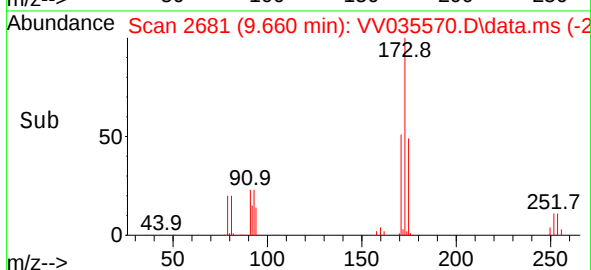
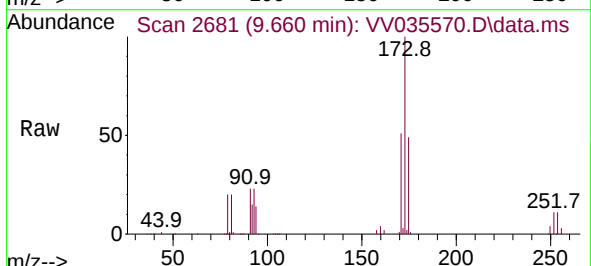


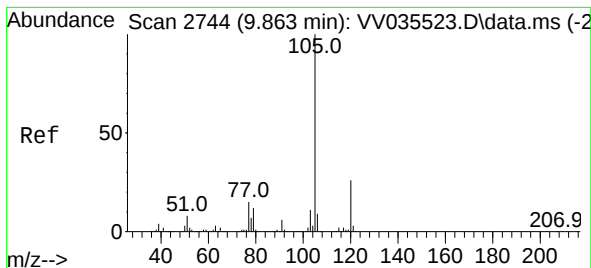
Tgt Ion: 83 Resp: 327095  
Ion Ratio Lower Upper  
83 100  
85 64.3 44.9 83.5  
131 9.8 8.1 12.1



#59  
Bromoform  
Concen: 50.072 ug/L  
RT: 9.660 min Scan# 2681  
Delta R.T. -0.000 min  
Lab File: VV035570.D  
Acq: 10 May 2024 09:10

Tgt Ion: 173 Resp: 183235  
Ion Ratio Lower Upper  
173 100  
175 48.6 39.0 58.6  
254 11.0 8.5 12.7





#60

Isopropylbenzene

Concen: 54.327 ug/L

RT: 9.863 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV035570.D

Acq: 10 May 2024 09:10

Instrument :

MSVOA\_V

ClientSampleId :

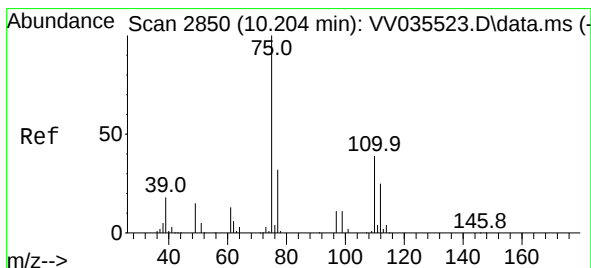
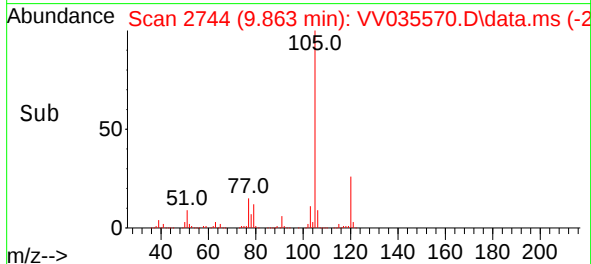
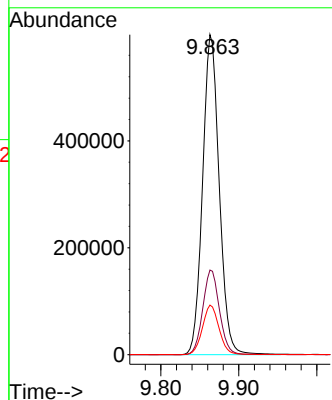
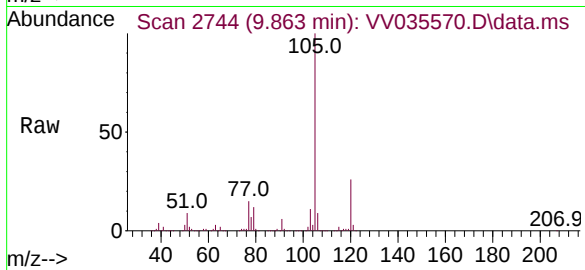
Tgt Ion:105 Resp: 887585

Ion Ratio Lower Upper

105 100

120 26.6 21.5 32.3

77 15.4 12.3 18.5



#61

1,2,3-Trichloropropane

Concen: 47.317 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. 0.003 min

Lab File: VV035570.D

Acq: 10 May 2024 09:10

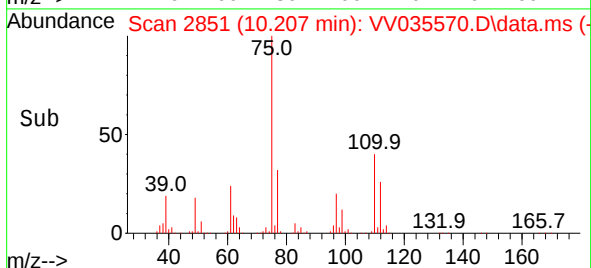
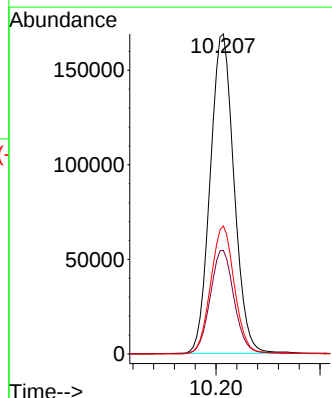
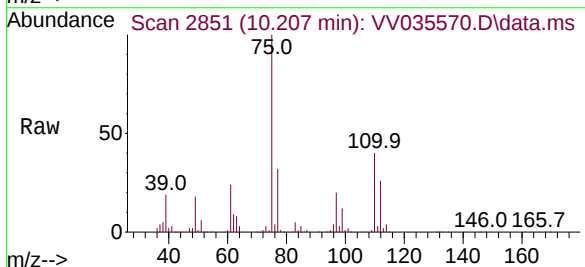
Tgt Ion: 75 Resp: 268567

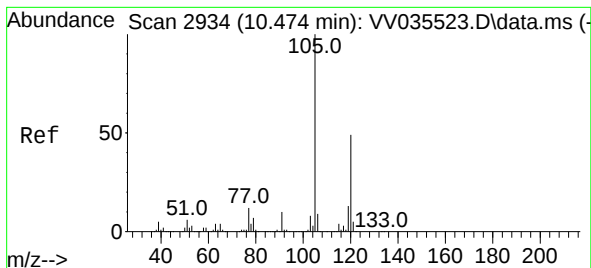
Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.6

110 40.1 31.6 47.4





#62

1,3,5-Trimethylbenzene

Concen: 43.647 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV035570.D

Acq: 10 May 2024 09:10

Instrument :

MSVOA\_V

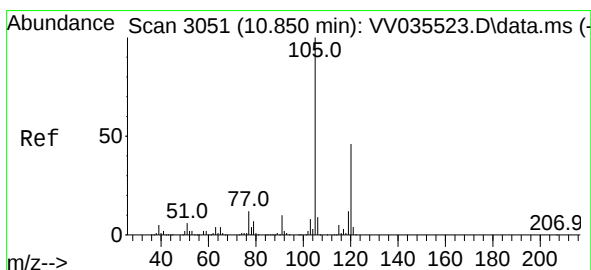
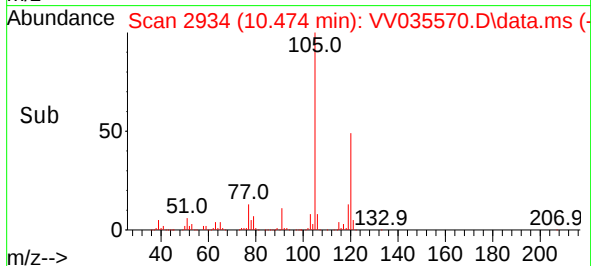
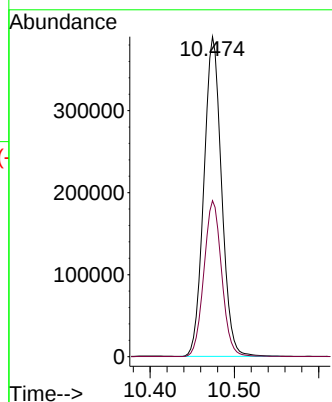
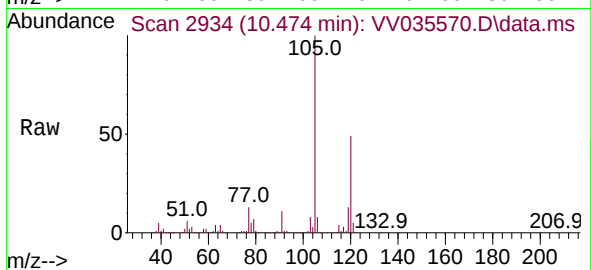
ClientSampleId :

Tgt Ion:105 Resp: 570714

Ion Ratio Lower Upper

105 100

120 48.9 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 54.896 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV035570.D

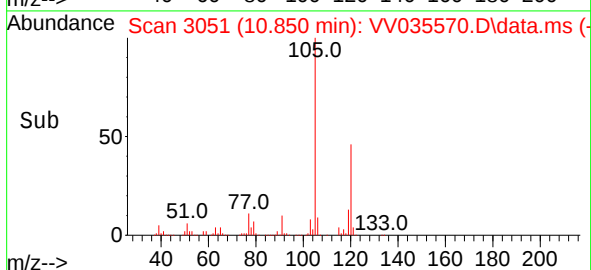
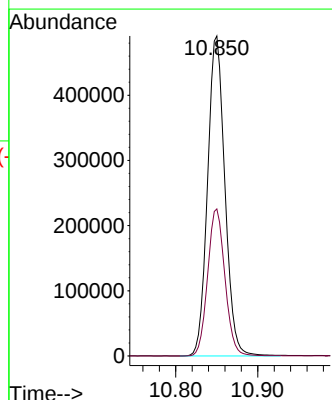
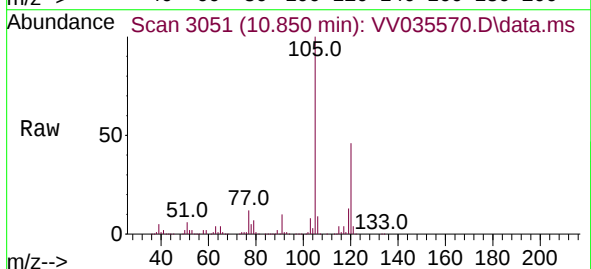
Acq: 10 May 2024 09:10

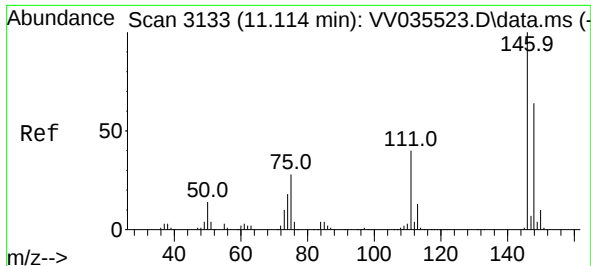
Tgt Ion:105 Resp: 719769

Ion Ratio Lower Upper

105 100

120 45.9 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 52.004 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

Lab File: VV035570.D

Acq: 10 May 2024 09:10

Instrument :

MSVOA\_V

ClientSampleId :

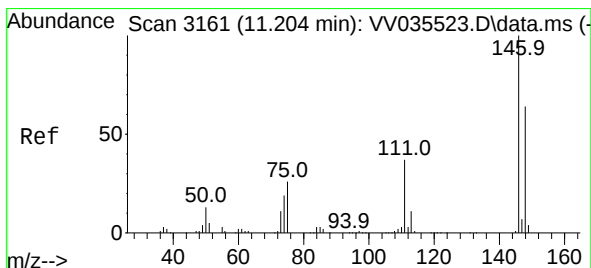
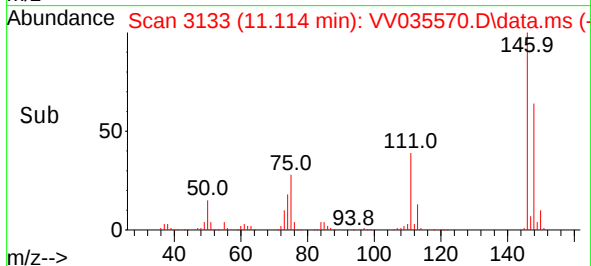
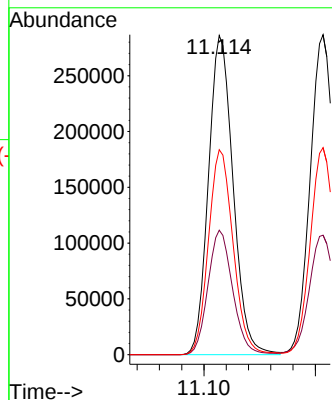
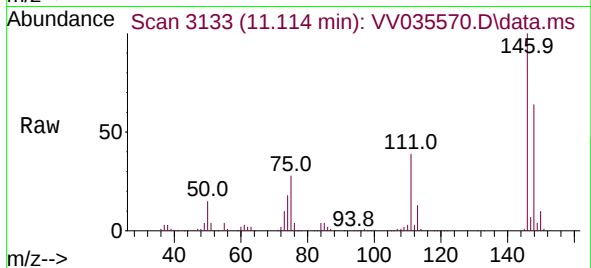
Tgt Ion:146 Resp: 439953

Ion Ratio Lower Upper

146 100

111 39.0 27.9 51.7

148 64.2 45.1 83.9



#65

1,4-Dichlorobenzene

Concen: 50.503 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV035570.D

Acq: 10 May 2024 09:10

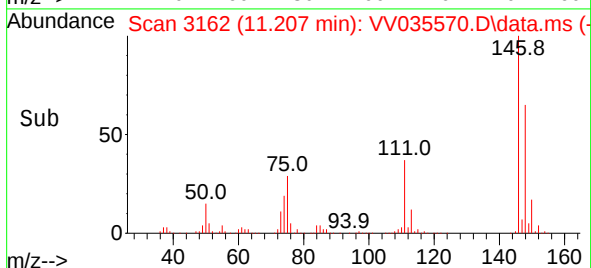
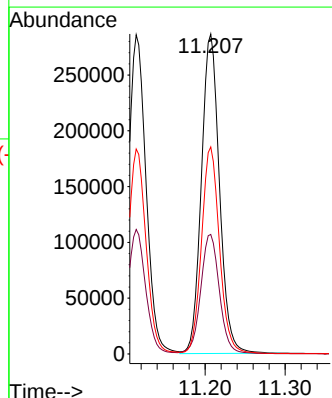
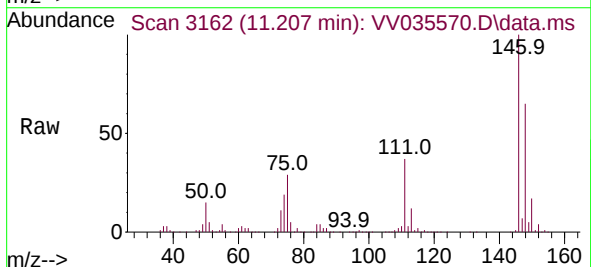
Tgt Ion:146 Resp: 450840

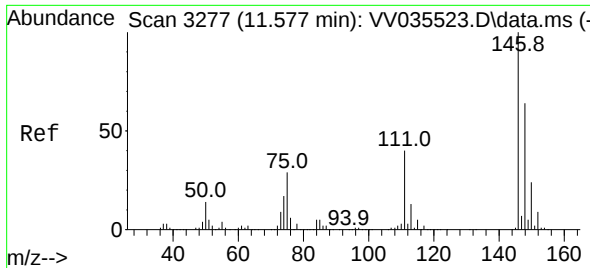
Ion Ratio Lower Upper

146 100

111 37.4 26.4 49.0

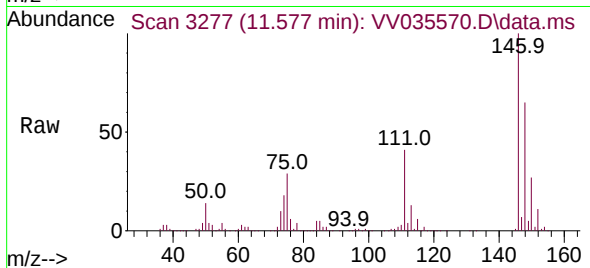
148 64.7 44.3 82.3



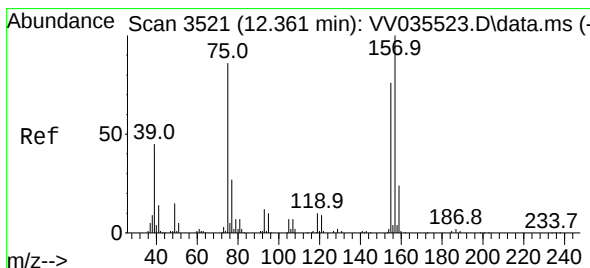
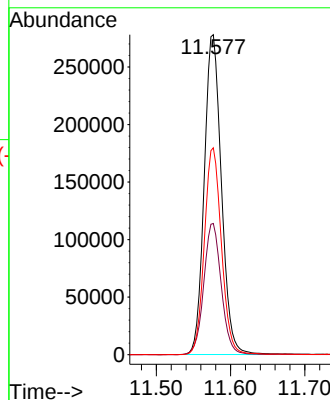
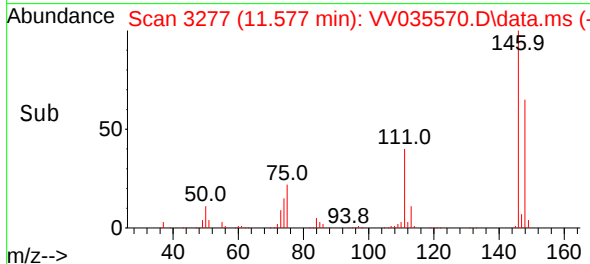


#67  
1,2-Dichlorobenzene  
Concen: 50.406 ug/L  
RT: 11.577 min Scan# 3277  
Delta R.T. -0.000 min  
Lab File: VV035570.D  
Acq: 10 May 2024 09:10

Instrument :  
MSVOA\_V  
ClientSampleId :

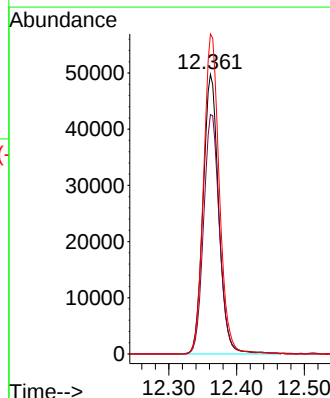
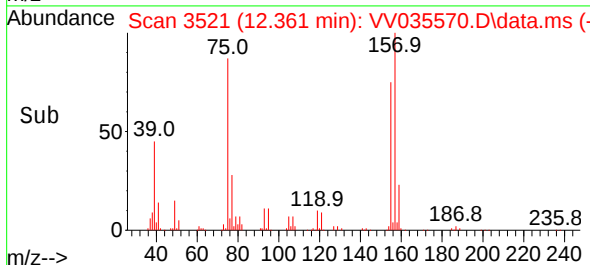
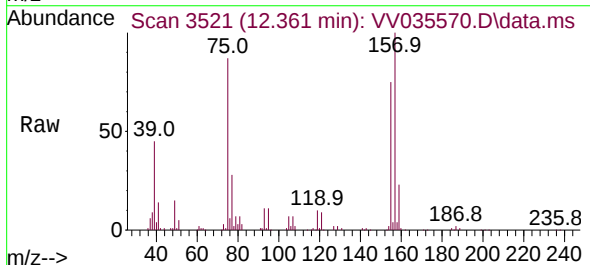


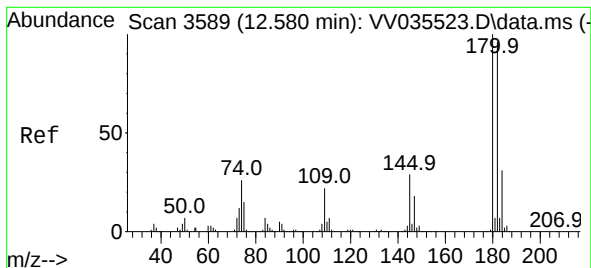
Tgt Ion:146 Resp: 446147  
Ion Ratio Lower Upper  
146 100  
111 41.0 32.1 48.1  
148 64.6 51.5 77.3



#68  
1,2-Dibromo-3-chloropropane  
Concen: 47.758 ug/L  
RT: 12.361 min Scan# 3521  
Delta R.T. -0.000 min  
Lab File: VV035570.D  
Acq: 10 May 2024 09:10

Tgt Ion: 75 Resp: 79831  
Ion Ratio Lower Upper  
75 100  
155 85.6 71.4 107.2  
157 114.5 95.0 142.4





#69

1,3,5-Trichlorobenzene

Concen: 51.447 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

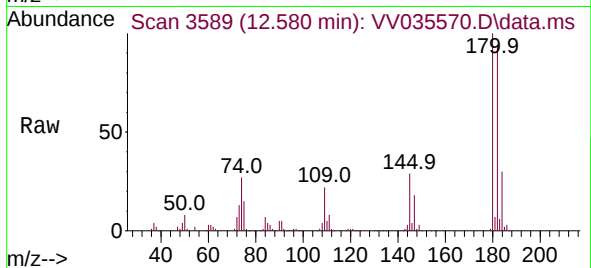
Lab File: VV035570.D

Acq: 10 May 2024 09:10

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 330364

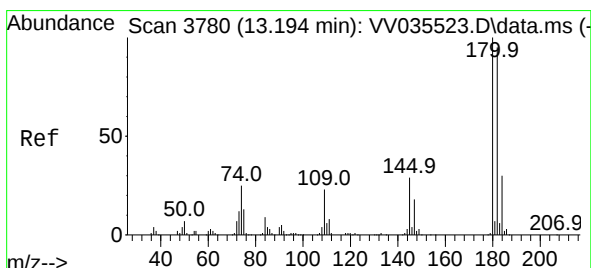
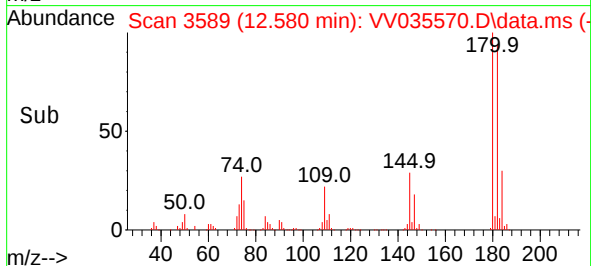
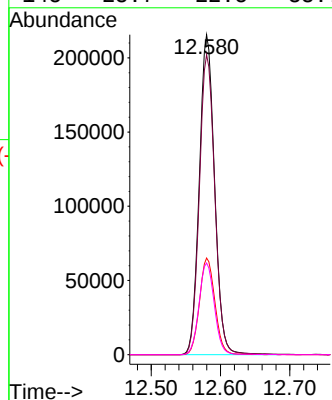
Ion Ratio Lower Upper

180 100

182 94.7 75.7 113.5

184 30.5 24.1 36.1

145 28.7 22.5 33.7



#70

1,2,4-trichlorobenzene

Concen: 53.191 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV035570.D

Acq: 10 May 2024 09:10

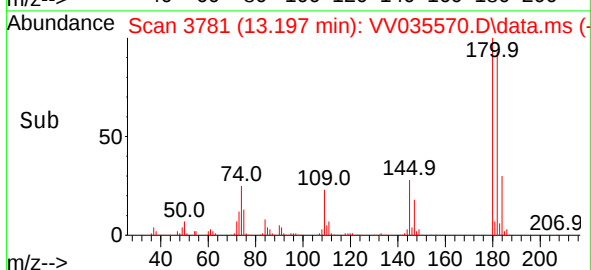
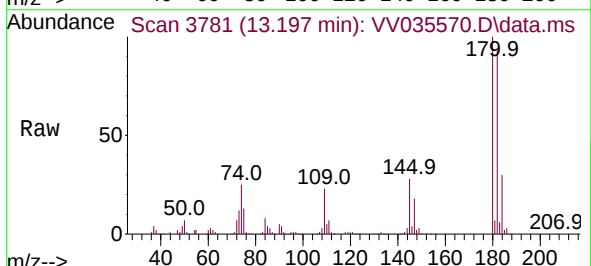
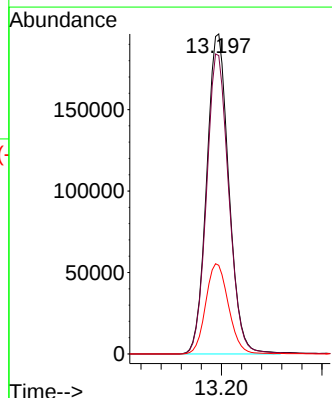
Tgt Ion:180 Resp: 300893

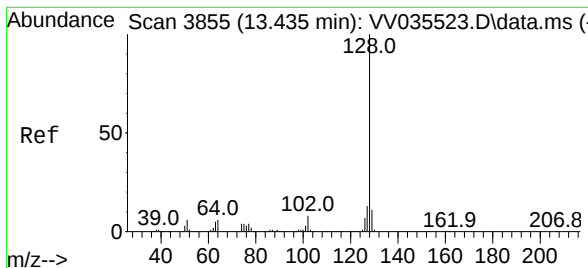
Ion Ratio Lower Upper

180 100

182 94.3 75.7 113.5

145 28.9 23.0 34.4





#71

Naphthalene

Concen: 54.786 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. -0.000 min

Lab File: VV035570.D

Acq: 10 May 2024 09:10

Instrument :

MSVOA\_V

ClientSampleId :

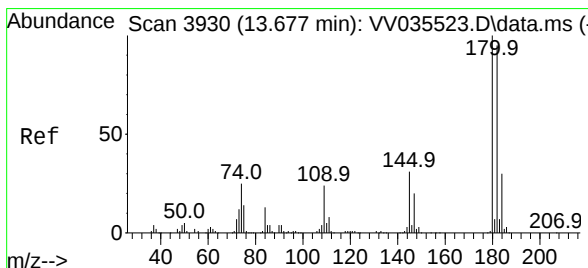
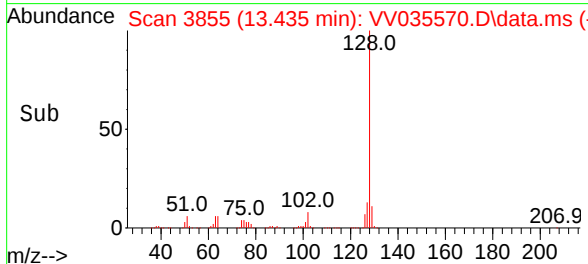
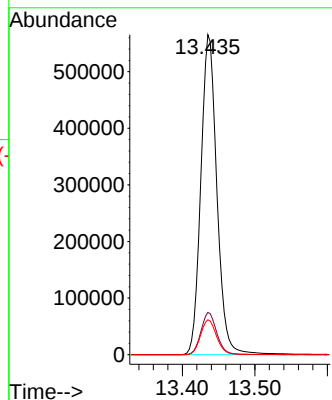
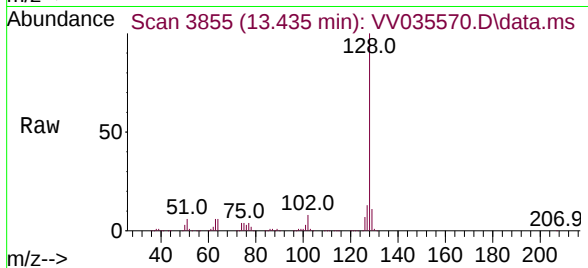
Tgt Ion:128 Resp: 868617

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 55.115 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. -0.000 min

Lab File: VV035570.D

Acq: 10 May 2024 09:10

Tgt Ion:180 Resp: 323627

Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.2

145 31.0 24.9 37.3

