

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV051024\  
 Data File : VV035575.D  
 Acq On : 10 May 2024 11:49  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: May 10 23:45:24 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050124WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 10 23:44:12 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.529   | 114   | 422033   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783   | 117   | 420974   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181  | 152   | 216407   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.275   | 65    | 142580   | 43.815   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 87.640%  |
| 7) Chloroethane-d5            | 1.519   | 69    | 125724   | 52.428   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 104.860% |
| 11) 1,1-Dichloroethene-d2     | 2.053   | 65    | 60329    | 43.189   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 86.380%  |
| 21) 2-Butanone-d5             | 3.780   | 46    | 260826   | 118.763  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 118.760% |
| 24) Chloroform-d              | 4.243   | 84    | 322271   | 53.992   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 107.980% |
| 26) 1,2-Dichloroethane-d4     | 4.934   | 65    | 209632   | 59.637   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 119.280% |
| 32) Benzene-d6                | 4.953   | 84    | 592682   | 50.018   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 100.040% |
| 36) 1,2-Dichloropropane-d6    | 5.982   | 67    | 198354   | 53.688   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 107.380% |
| 41) Toluene-d8                | 7.239   | 98    | 518819   | 48.102   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.200%  |
| 43) trans-1,3-Dichloroprop... | 7.548   | 79    | 98612    | 54.764   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 109.520% |
| 47) 2-Hexanone-d5             | 8.021   | 63    | 194813   | 114.744  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 114.740% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149  | 84    | 310090   | 55.080   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 110.160% |
| 66) 1,2-Dichlorobenzene-d4    | 11.558  | 152   | 204874   | 47.651   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 95.300%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105   | 85    | 155640   | 55.049   | ug/L   | 98       |
| 3) Chloromethane              | 1.214   | 50    | 186773   | 60.978   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.282   | 62    | 170050   | 52.719   | ug/L   | 99       |
| 6) Bromomethane               | 1.474   | 94    | 69871    | 34.069   | ug/L   | 99       |
| 8) Chloroethane               | 1.536   | 64    | 116155   | 62.631   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.706   | 101   | 215838   | 49.738   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.063   | 101   | 138415   | 50.322   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.063   | 96    | 125158   | 50.941   | ug/L   | 88       |
| 13) Acetone                   | 2.111   | 43    | 190736   | 93.812   | ug/L   | 100      |
| 14) Carbon disulfide          | 2.233   | 76    | 390575   | 60.513   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.368   | 43    | 206812   | 62.706   | ug/L   | 99       |
| 16) Methylene chloride        | 2.442   | 84    | 192139   | 61.718   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 2.687   | 96    | 146120   | 56.266   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 2.699   | 73    | 579069   | 63.403   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.105   | 63    | 307103   | 56.317   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.809   | 96    | 177028   | 57.314   | ug/L   | 99       |
| 22) 2-Butanone                | 3.860   | 43    | 249490   | 103.656  | ug/L   | 100      |
| 23) Bromochloromethane        | 4.140   | 128   | 103523   | 61.284   | ug/L   | 98       |
| 25) Chloroform                | 4.269   | 83    | 322967   | 57.380   | ug/L   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV051024\  
 Data File : VV035575.D  
 Acq On : 10 May 2024 11:49  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

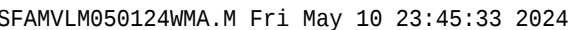
Instrument :  
 MSVOA\_V  
 ClientSampleId :

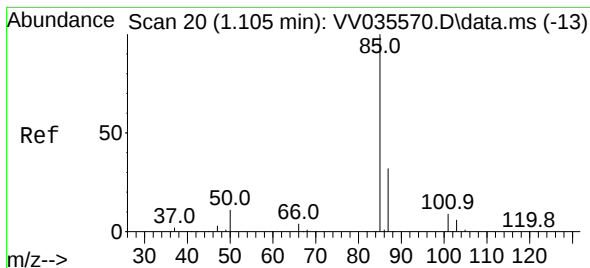
Quant Time: May 10 23:45:24 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050124WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 10 23:44:12 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.034  | 62   | 262187   | 65.088  | ug/L  | 99       |
| 29) Cyclohexane               | 4.577  | 56   | 198756   | 52.880  | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.503  | 97   | 243422   | 50.525  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.728  | 117  | 208455   | 50.041  | ug/L  | 100      |
| 33) Benzene                   | 5.005  | 78   | 647497   | 56.958  | ug/L  | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 169757   | 56.115  | ug/L  | 100      |
| 35) Methylcyclohexane         | 6.047  | 83   | 230245   | 53.951  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.088  | 63   | 188100   | 60.224  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.429  | 83   | 247924   | 57.697  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 289685   | 59.083  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.153  | 43   | 498096   | 119.470 | ug/L  | 98       |
| 42) Toluene                   | 7.310  | 91   | 656759   | 55.069  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 279243   | 59.959  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.764  | 97   | 201725   | 60.389  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.902  | 164  | 125311   | 51.286  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.072  | 43   | 389254   | 114.748 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.172  | 129  | 202644   | 57.954  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.278  | 107  | 211184   | 60.512  | ug/L  | 98       |
| 51) Chlorobenzene             | 8.812  | 112  | 428678   | 51.779  | ug/L  | 100      |
| 52) Ethylbenzene              | 8.944  | 91   | 660411   | 51.257  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.069  | 106  | 259145   | 54.218  | ug/L  | 96       |
| 54) o-Xylene                  | 9.477  | 106  | 253442   | 52.622  | ug/L  | 97       |
| 55) Styrene                   | 9.493  | 104  | 465588   | 55.933  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 298483   | 52.224  | ug/L  | 100      |
| 59) Bromoform                 | 9.661  | 173  | 164003   | 58.592  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.863  | 105  | 648841   | 51.920  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 254289   | 58.571  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 410730   | 41.066  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 529097   | 52.757  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146  | 329468   | 50.914  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 341142   | 49.960  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146  | 349411   | 51.610  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.361 | 75   | 75592    | 59.121  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 12.580 | 180  | 239543   | 48.769  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.197 | 180  | 220194   | 50.889  | ug/L  | 99       |
| 71) Naphthalene               | 13.435 | 128  | 694343   | 57.254  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.677 | 180  | 250614   | 55.799  | ug/L  | 99       |

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

Quant Time: May 10 23:45:24 2024  
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QLast Update : Fri May 10 23:44:12 2024  
Response via : Initial Calibration

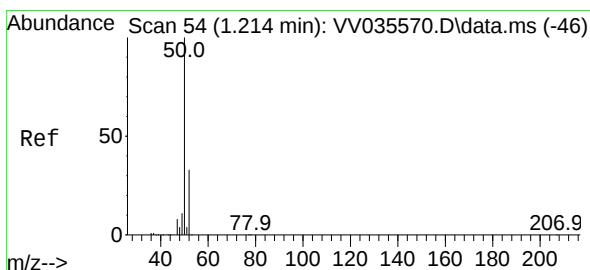
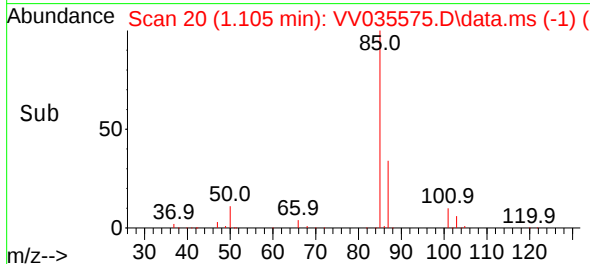
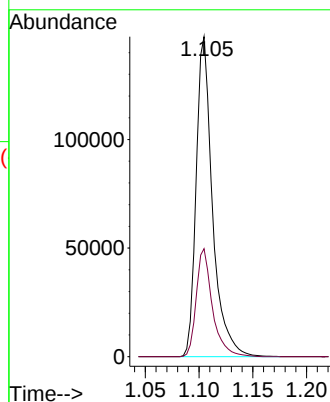
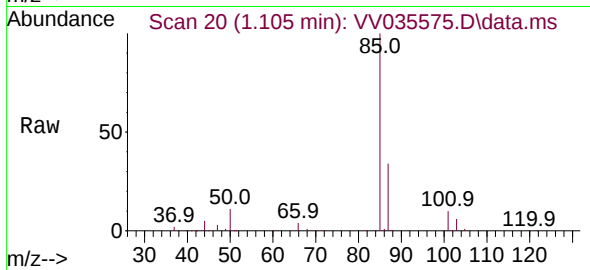




#2  
 Dichlorodifluoromethane  
 Concen: 55.049 ug/L  
 RT: 1.105 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VV035575.D  
 Acq: 10 May 2024 11:49

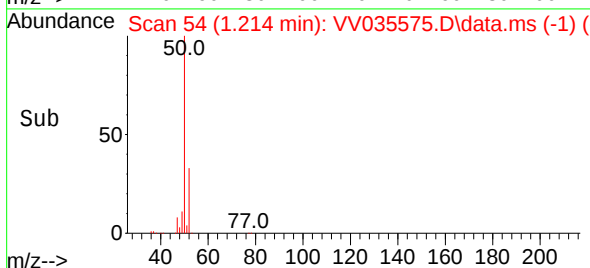
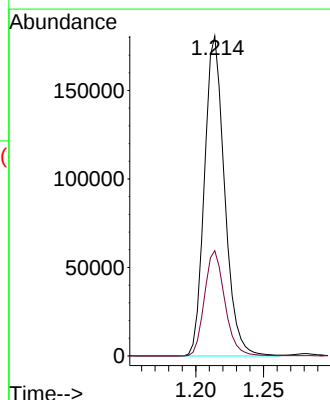
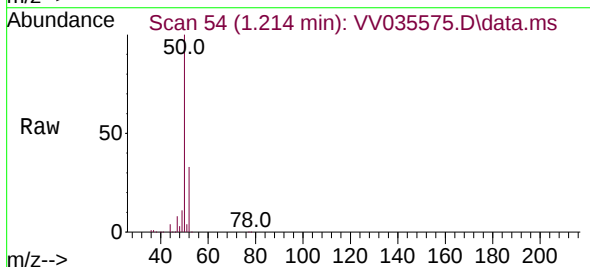
Instrument :  
 MSVOA\_V  
 ClientSampleId :

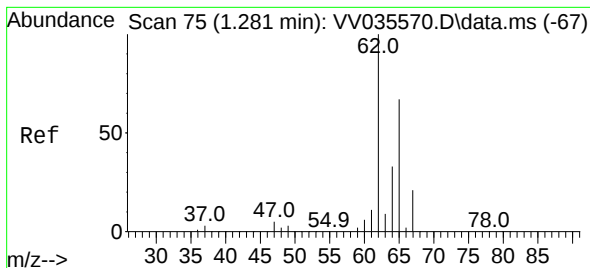
Tgt Ion: 85 Resp: 155640  
 Ion Ratio Lower Upper  
 85 100  
 87 33.4 25.8 38.8



#3  
 Chloromethane  
 Concen: 60.978 ug/L  
 RT: 1.214 min Scan# 54  
 Delta R.T. 0.000 min  
 Lab File: VV035575.D  
 Acq: 10 May 2024 11:49

Tgt Ion: 50 Resp: 186773  
 Ion Ratio Lower Upper  
 50 100  
 52 32.9 22.6 42.0





#5

Vinyl chloride

Concen: 52.719 ug/L

RT: 1.282 min Scan# 75

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

Instrument :

MSVOA\_V

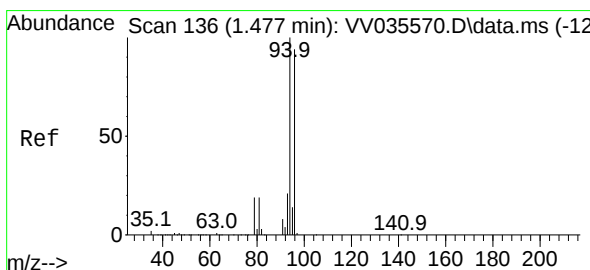
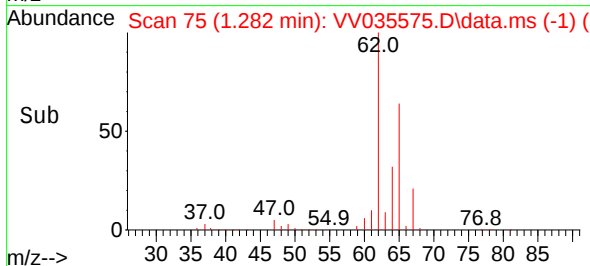
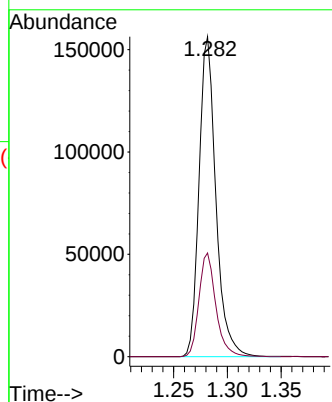
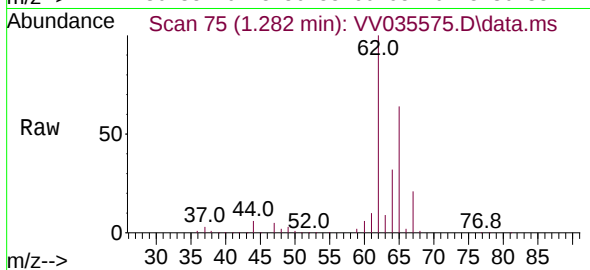
ClientSampleId :

Tgt Ion: 62 Resp: 170050

Ion Ratio Lower Upper

62 100

64 32.4 22.9 42.5



#6

Bromomethane

Concen: 34.069 ug/L

RT: 1.474 min Scan# 135

Delta R.T. -0.003 min

Lab File: VV035575.D

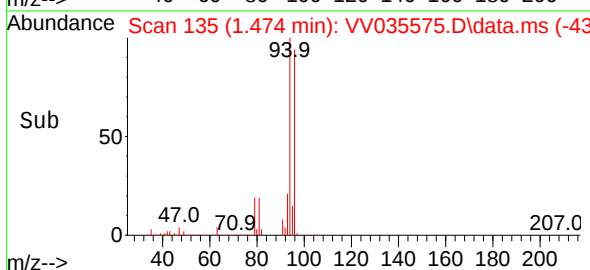
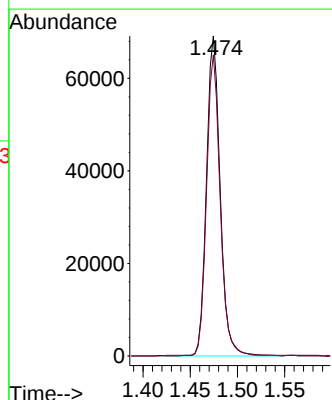
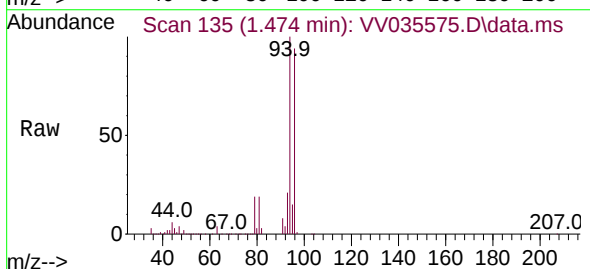
Acq: 10 May 2024 11:49

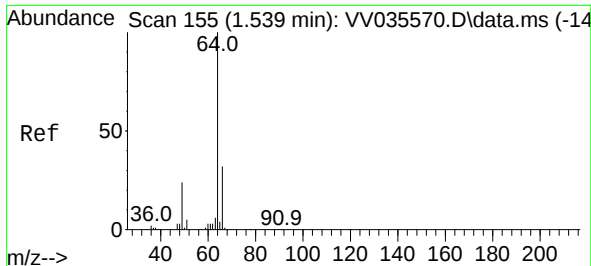
Tgt Ion: 94 Resp: 69871

Ion Ratio Lower Upper

94 100

96 94.1 66.2 123.0





#8

Chloroethane

Concen: 62.631 ug/L

RT: 1.536 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

Instrument :

MSVOA\_V

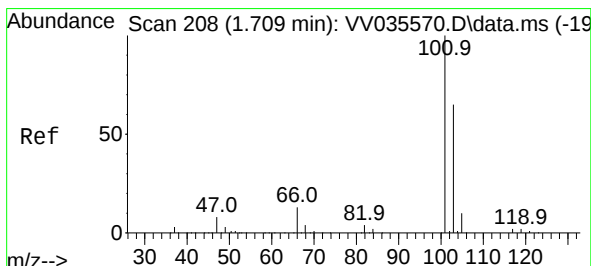
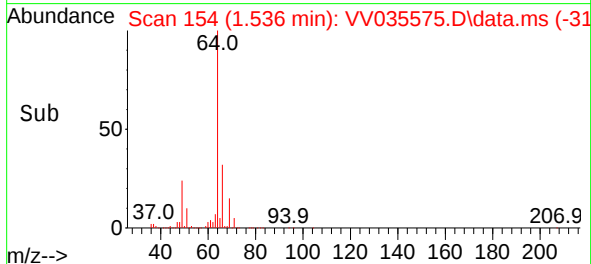
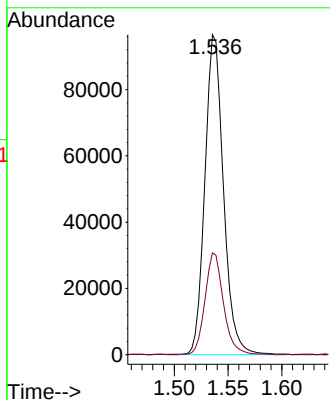
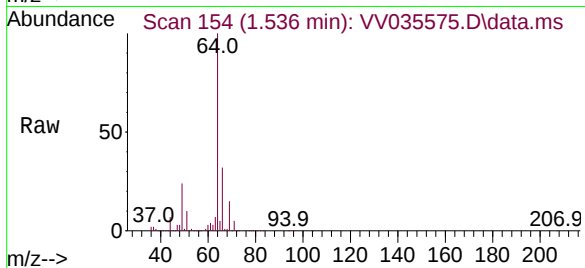
ClientSampleId :

Tgt Ion: 64 Resp: 116155

Ion Ratio Lower Upper

64 100

66 31.8 22.7 42.1



#9

Trichlorofluoromethane

Concen: 49.738 ug/L

RT: 1.706 min Scan# 207

Delta R.T. -0.003 min

Lab File: VV035575.D

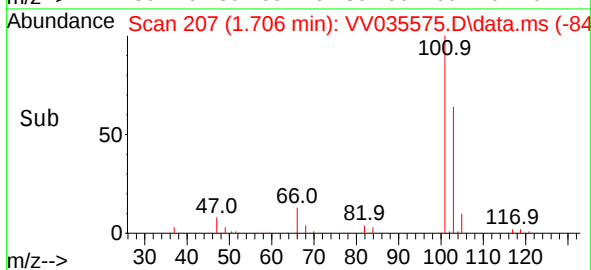
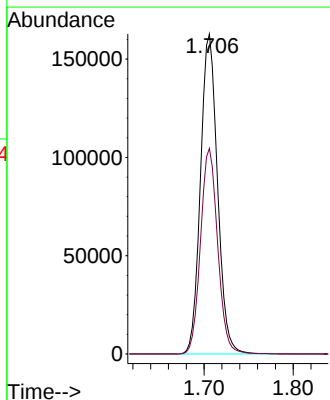
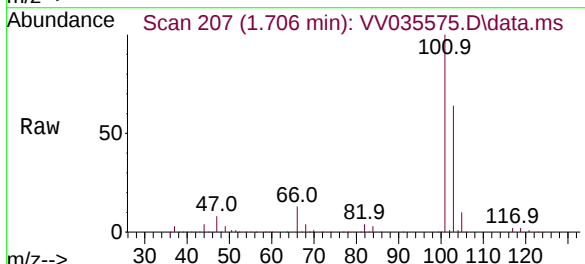
Acq: 10 May 2024 11:49

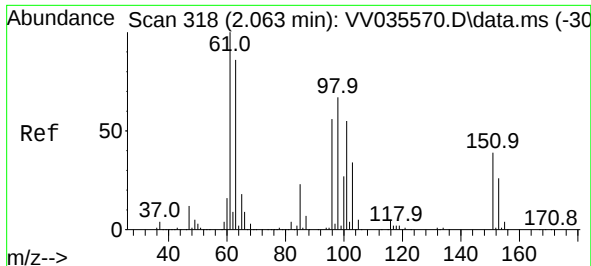
Tgt Ion:101 Resp: 215838

Ion Ratio Lower Upper

101 100

103 64.6 52.0 78.0





#10

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

Concen: 50.322 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

Instrument :

MSVOA\_V

ClientSampleId :

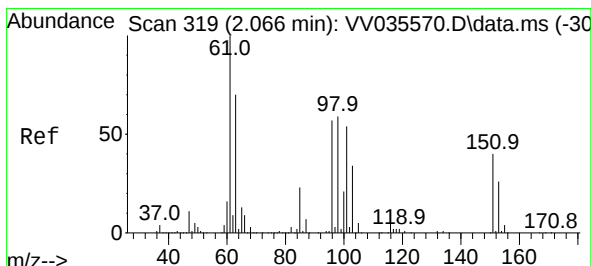
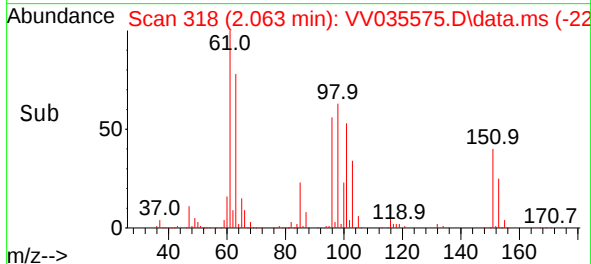
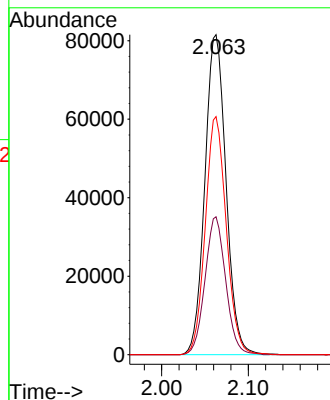
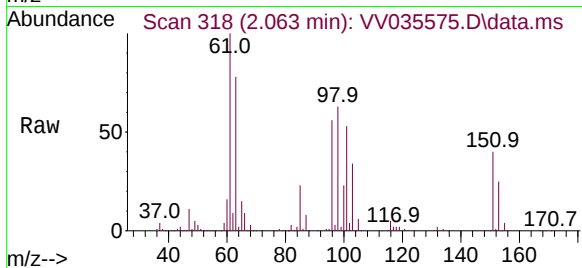
Tgt Ion:101 Resp: 138415

Ion Ratio Lower Upper

101 100

85 42.2 34.4 51.6

151 73.8 60.1 90.1



#12

1,1-Dichloroethene

Concen: 50.941 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.003 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

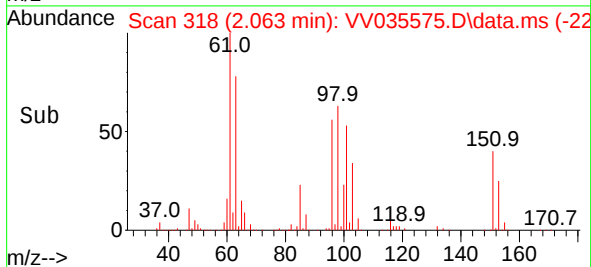
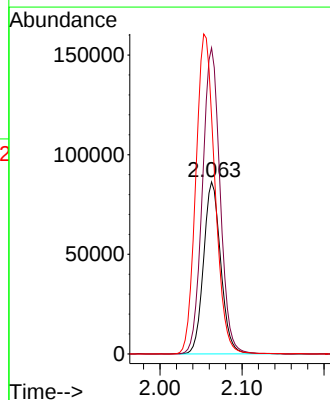
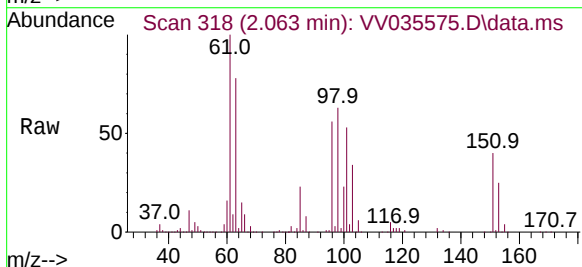
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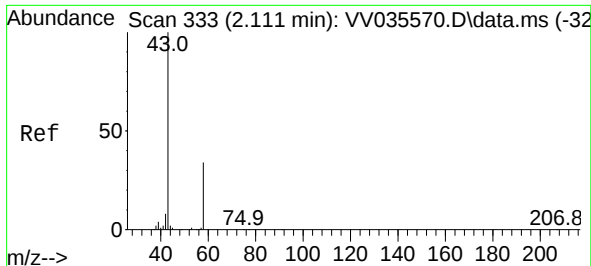
Ion Ratio Lower Upper

96 100

61 178.0 126.5 234.9

63 138.2 118.1 219.3





#13

Acetone

Concen: 93.812 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

Instrument :

MSVOA\_V

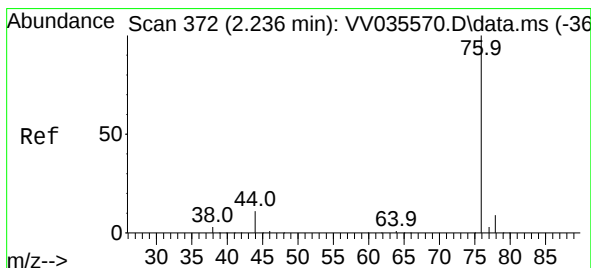
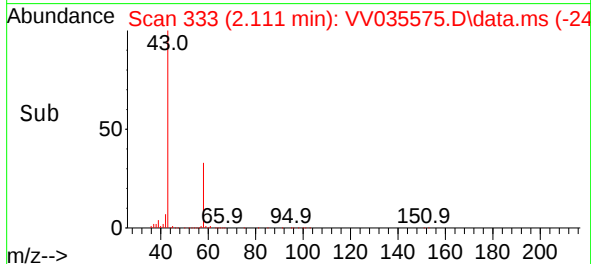
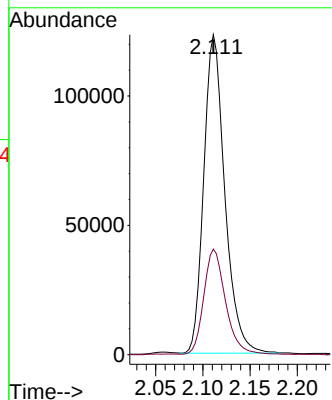
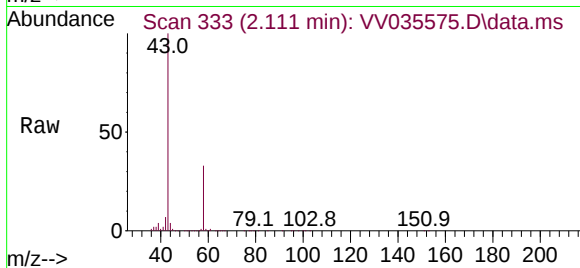
ClientSampleId :

Tgt Ion: 43 Resp: 190736

Ion Ratio Lower Upper

43 100

58 34.2 0.0 68.8



#14

Carbon disulfide

Concen: 60.513 ug/L

RT: 2.233 min Scan# 371

Delta R.T. -0.003 min

Lab File: VV035575.D

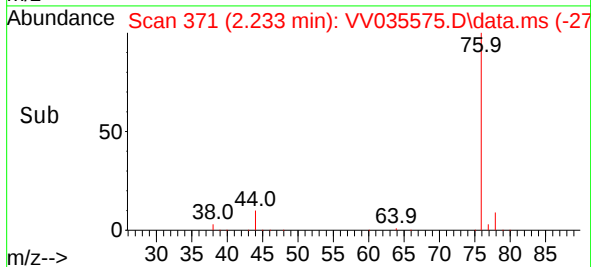
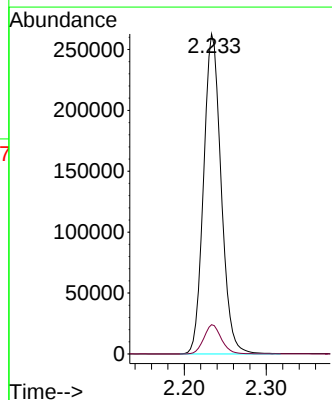
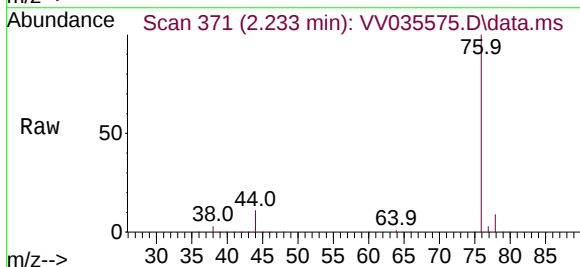
Acq: 10 May 2024 11:49

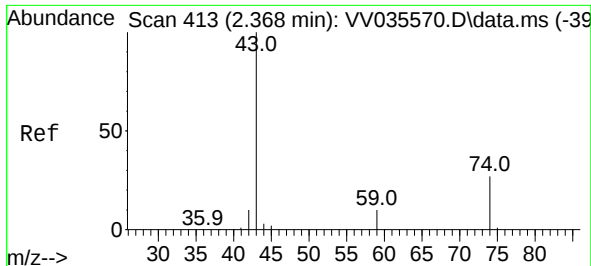
Tgt Ion: 76 Resp: 390575

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4





#15

Methyl Acetate

Concen: 62.706 ug/L

RT: 2.368 min Scan# 413

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

Instrument :

MSVOA\_V

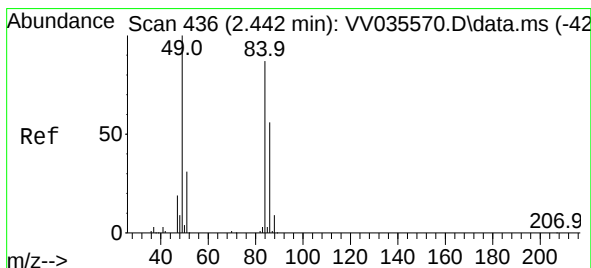
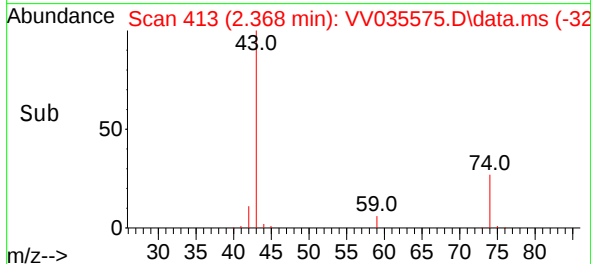
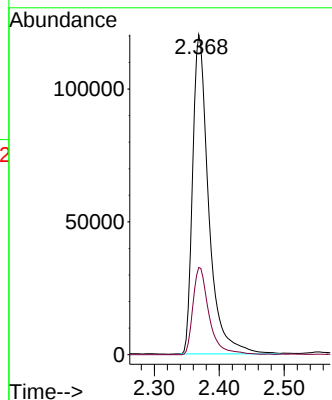
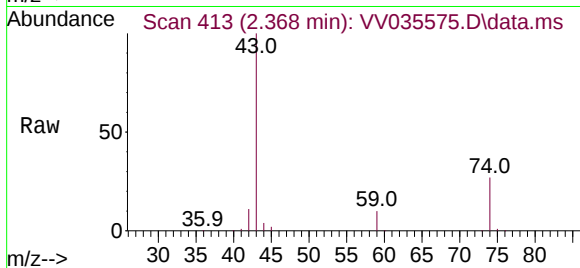
ClientSampleId :

Tgt Ion: 43 Resp: 206812

Ion Ratio Lower Upper

43 100

74 27.5 21.6 32.4



#16

Methylene chloride

Concen: 61.718 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

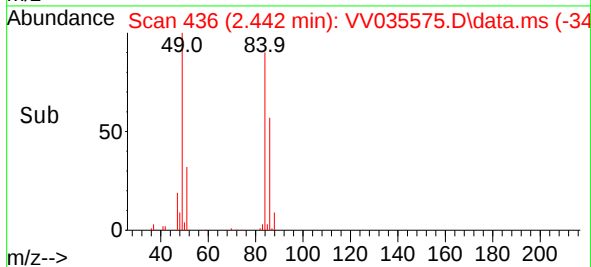
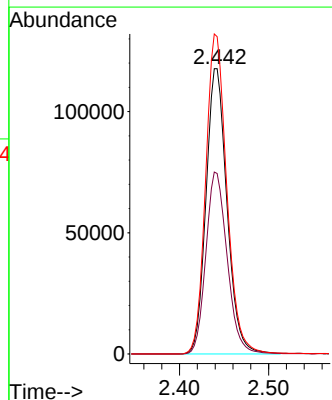
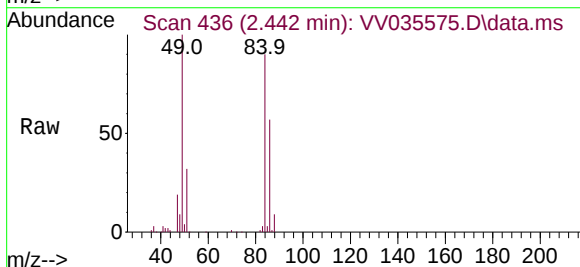
Tgt Ion: 84 Resp: 192139

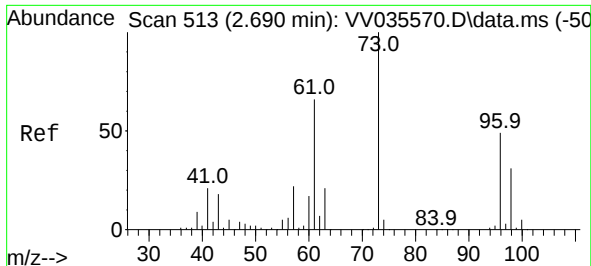
Ion Ratio Lower Upper

84 100

86 63.2 45.3 84.1

49 111.2 76.9 142.7





#17

trans-1,2-Dichloroethene

Concen: 56.266 ug/L

RT: 2.687 min Scan# 513

Delta R.T. -0.003 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

Instrument :

MSVOA\_V

ClientSampleId :

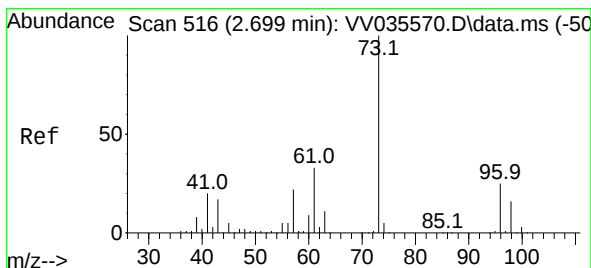
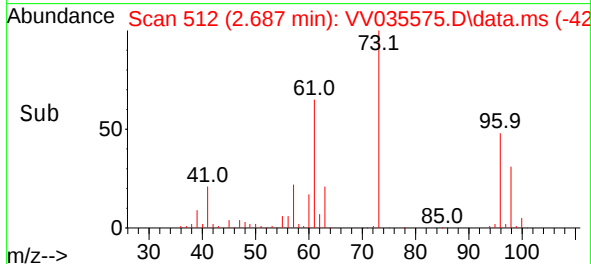
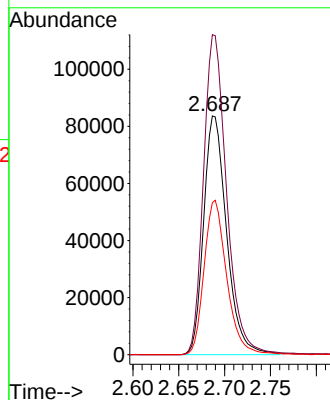
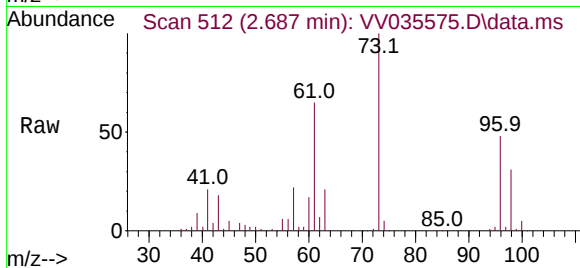
Tgt Ion: 96 Resp: 146120

Ion Ratio Lower Upper

96 100

61 134.0 95.5 177.3

98 63.6 44.9 83.5



#18

Methyl tert-butyl Ether

Concen: 63.403 ug/L

RT: 2.699 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

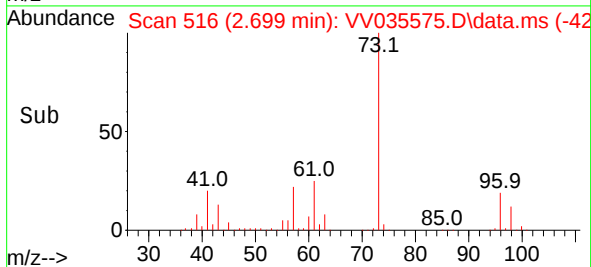
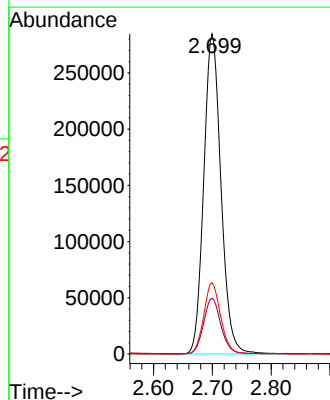
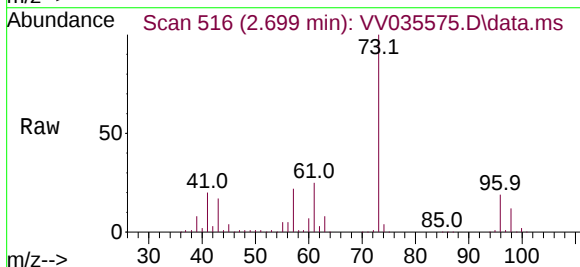
Tgt Ion: 73 Resp: 579069

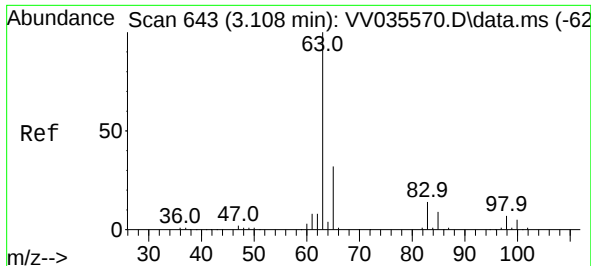
Ion Ratio Lower Upper

73 100

43 17.3 13.6 20.4

57 21.9 17.4 26.0





#19

1,1-Dichloroethane

Concen: 56.317 ug/L

RT: 3.105 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

Instrument :

MSVOA\_V

ClientSampleId :

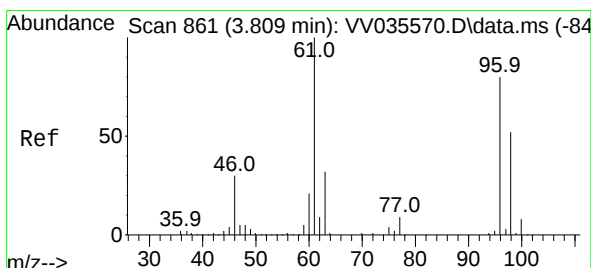
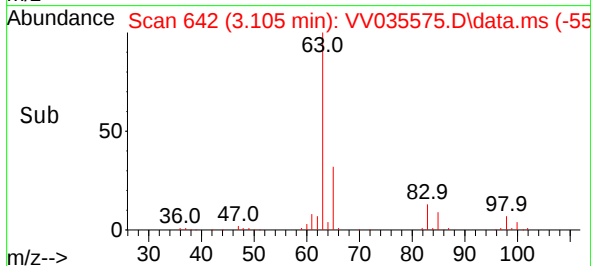
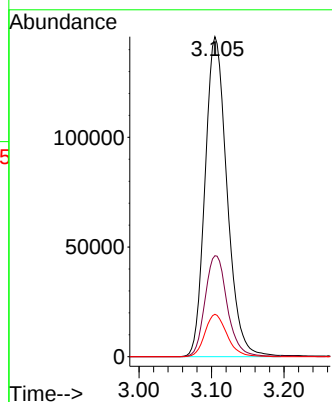
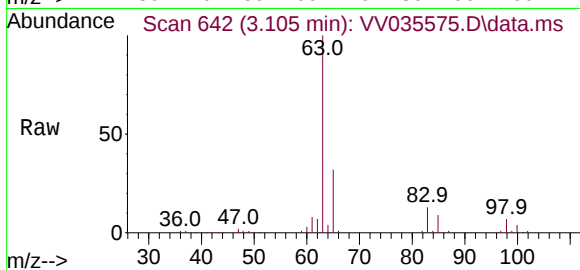
Tgt Ion: 63 Resp: 307103

Ion Ratio Lower Upper

63 100

65 31.6 21.8 40.4

83 13.3 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 57.314 ug/L

RT: 3.809 min Scan# 861

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

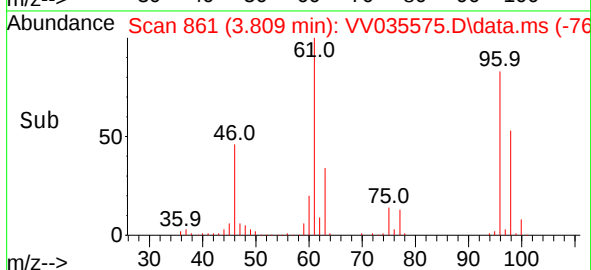
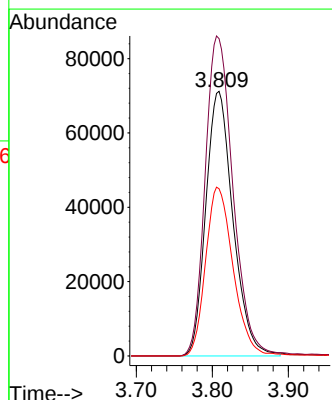
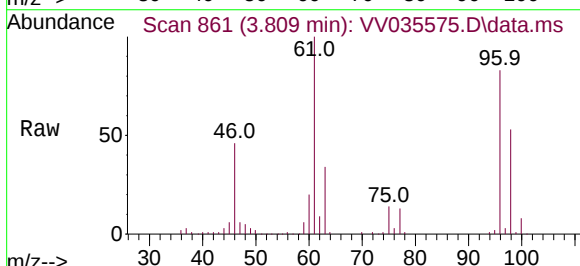
Tgt Ion: 96 Resp: 177028

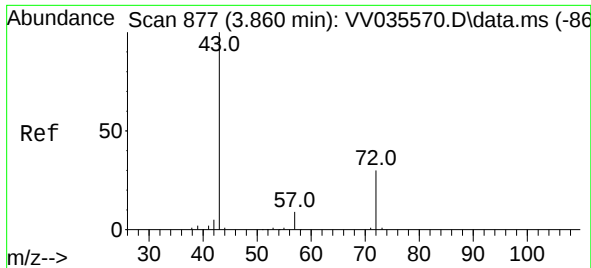
Ion Ratio Lower Upper

96 100

61 119.9 84.0 156.0

98 63.2 44.9 83.5

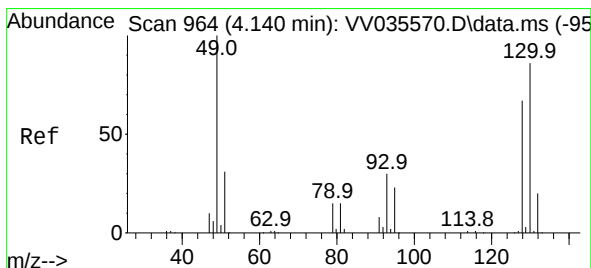
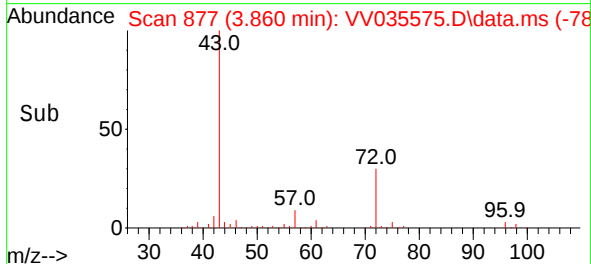
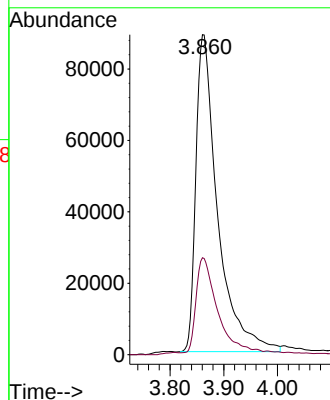
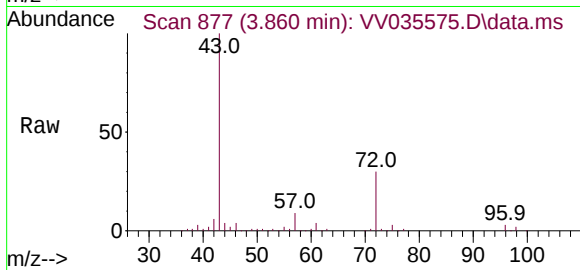




#22  
2-Butanone  
Concen: 103.656 ug/L  
RT: 3.860 min Scan# 877  
Delta R.T. 0.000 min  
Lab File: VV035575.D  
Acq: 10 May 2024 11:49

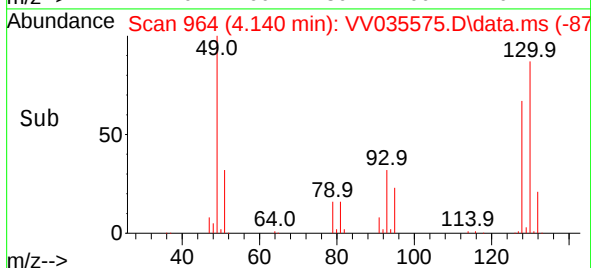
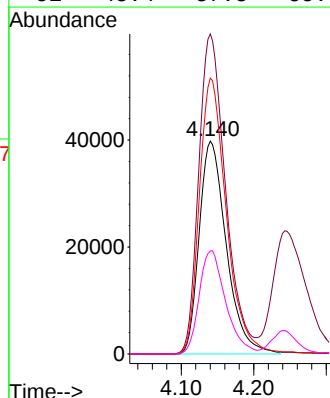
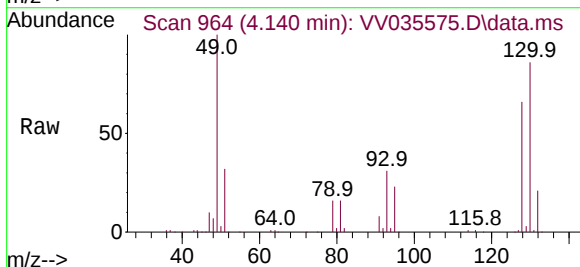
Instrument :  
MSVOA\_V  
ClientSampleId :

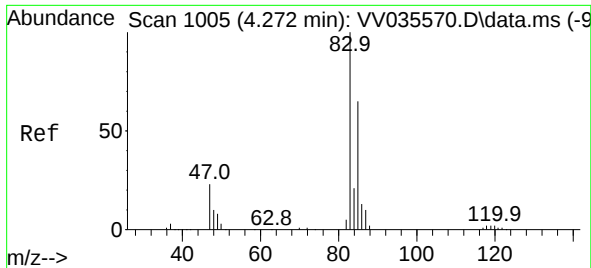
Tgt Ion: 43 Resp: 249490  
Ion Ratio Lower Upper  
43 100  
72 28.6 14.4 43.0



#23  
Bromochloromethane  
Concen: 61.284 ug/L  
RT: 4.140 min Scan# 964  
Delta R.T. 0.000 min  
Lab File: VV035575.D  
Acq: 10 May 2024 11:49

Tgt Ion:128 Resp: 103523  
Ion Ratio Lower Upper  
128 100  
49 150.4 102.0 189.4  
130 129.6 91.5 169.9  
51 48.4 37.3 55.9





#25

Chloroform

Concen: 57.380 ug/L

RT: 4.269 min Scan# 1004

Delta R.T. -0.003 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

Instrument :

MSVOA\_V

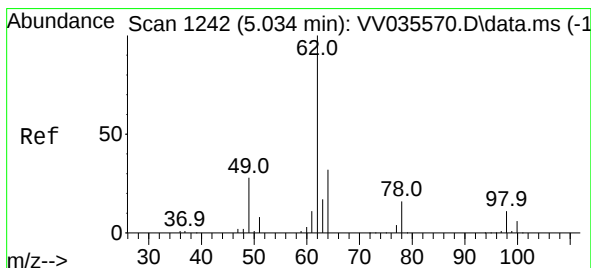
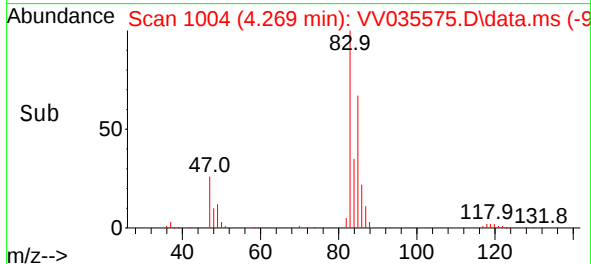
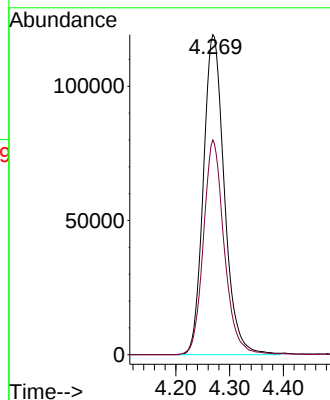
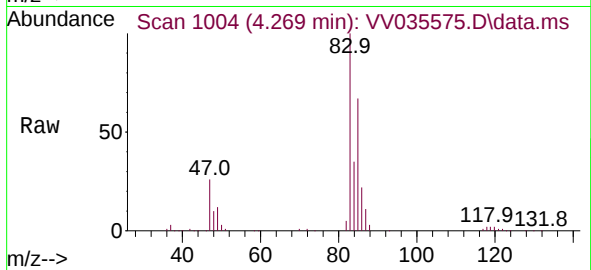
ClientSampleId :

Tgt Ion: 83 Resp: 322967

Ion Ratio Lower Upper

83 100

85 67.1 45.8 85.2



#27

1,2-Dichloroethane

Concen: 65.088 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. 0.000 min

Lab File: VV035575.D

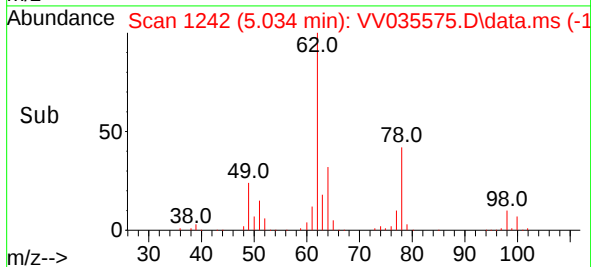
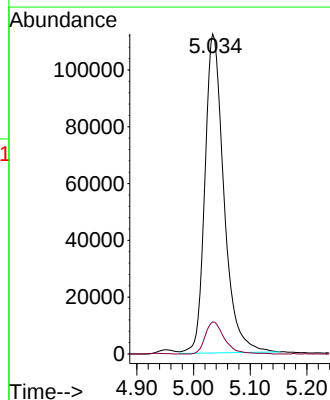
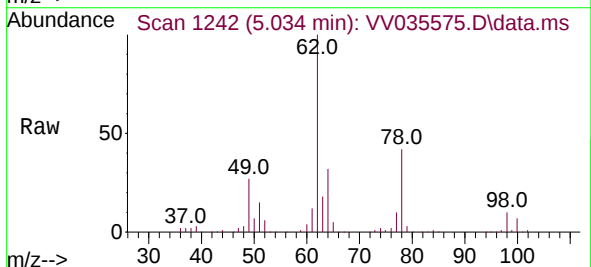
Acq: 10 May 2024 11:49

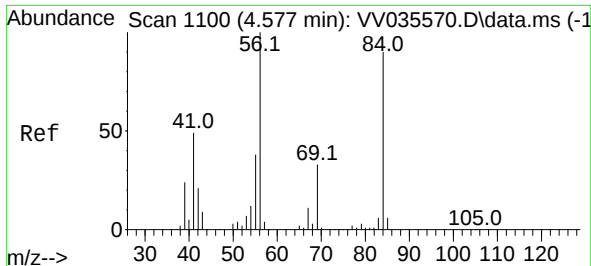
Tgt Ion: 62 Resp: 262187

Ion Ratio Lower Upper

62 100

98 10.0 8.2 12.2





#29

Cyclohexane

Concen: 52.880 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

Instrument :

MSVOA\_V

ClientSampleId :

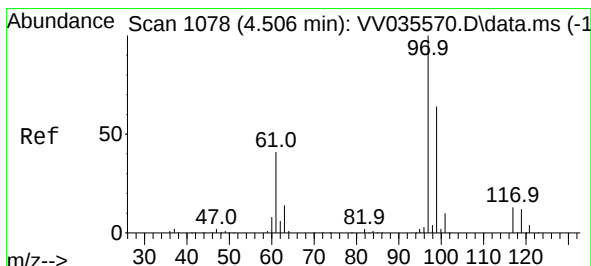
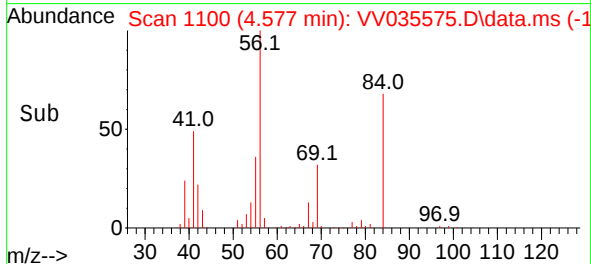
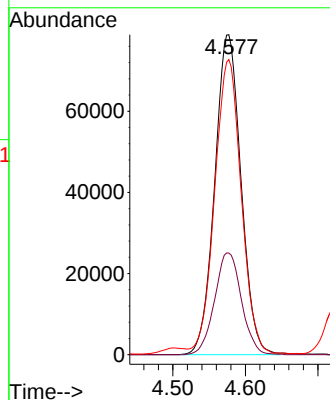
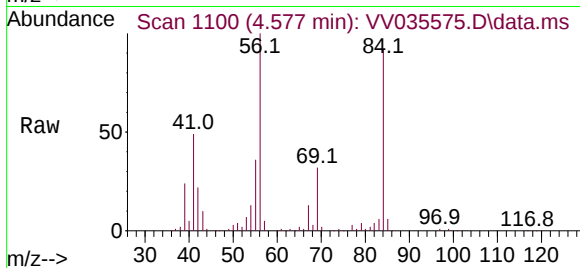
Tgt Ion: 56 Resp: 198756

Ion Ratio Lower Upper

56 100

69 32.5 25.5 38.3

84 92.2 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 50.525 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. -0.003 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

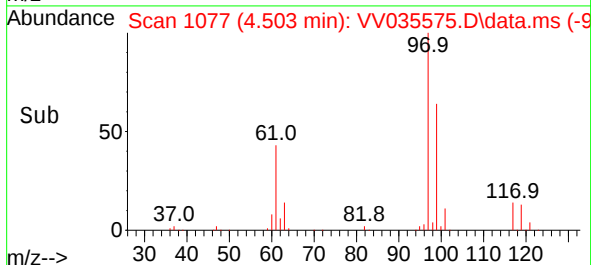
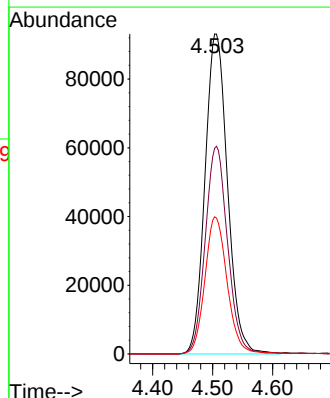
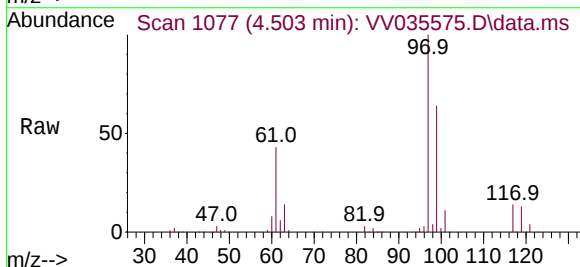
Tgt Ion: 97 Resp: 243422

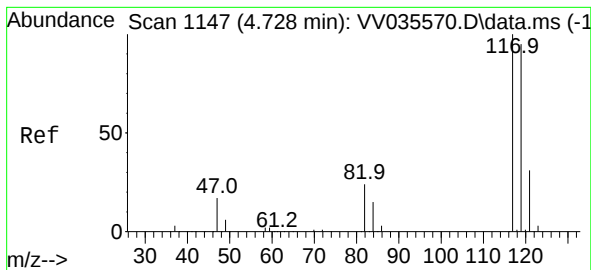
Ion Ratio Lower Upper

97 100

99 64.5 51.9 77.9

61 42.3 34.1 51.1





#31

Carbon tetrachloride

Concen: 50.041 ug/L

RT: 4.728 min Scan# 1147

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

Instrument :

MSVOA\_V

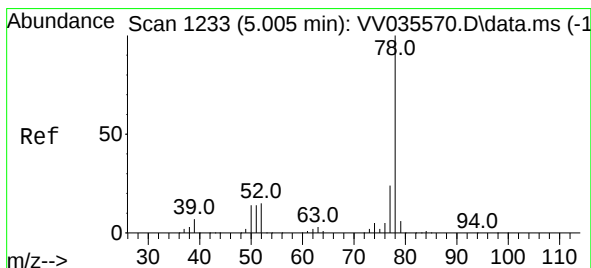
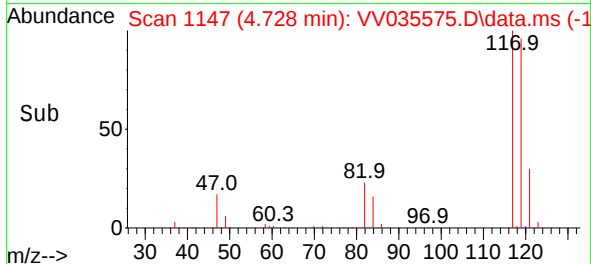
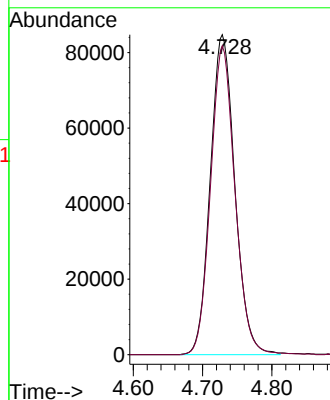
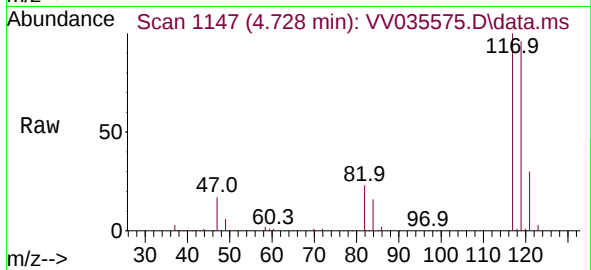
ClientSampleId :

Tgt Ion:117 Resp: 208455

Ion Ratio Lower Upper

117 100

119 95.9 76.5 114.7



#33

Benzene

Concen: 56.958 ug/L

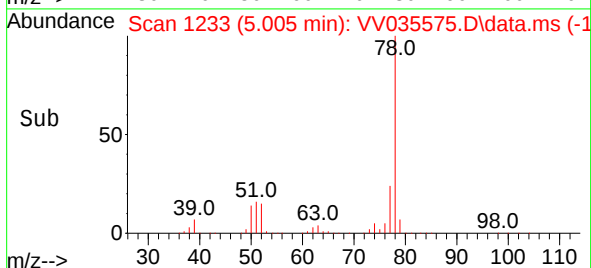
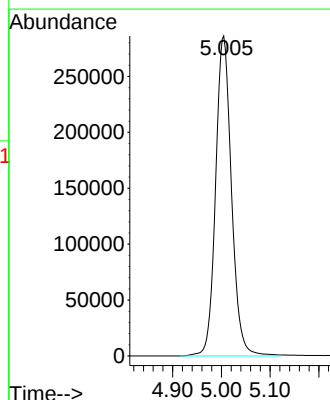
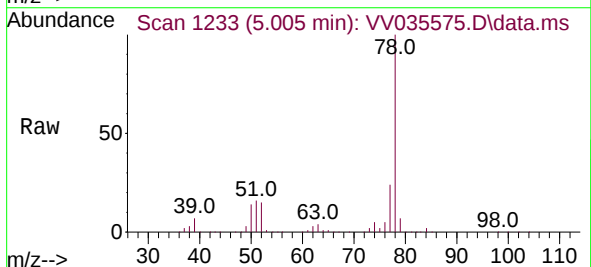
RT: 5.005 min Scan# 1233

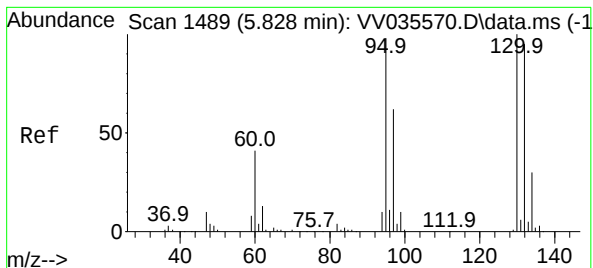
Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

Tgt Ion: 78 Resp: 647497





#34

Trichloroethene

Concen: 56.115 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 95 Resp: 169757

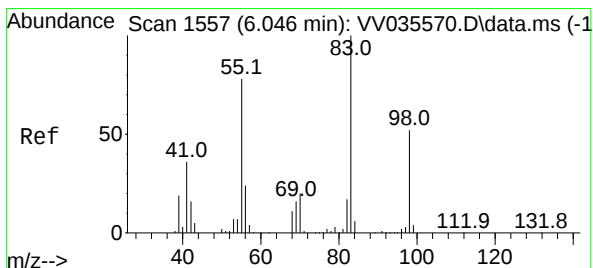
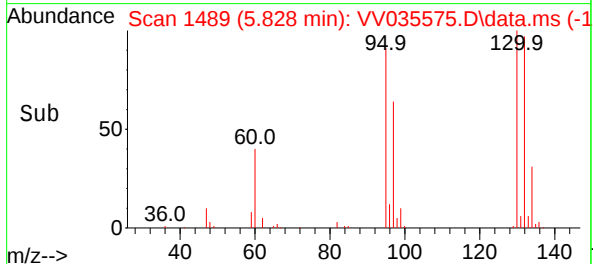
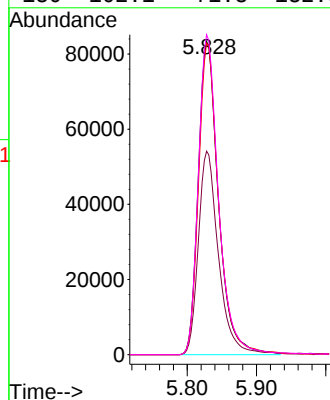
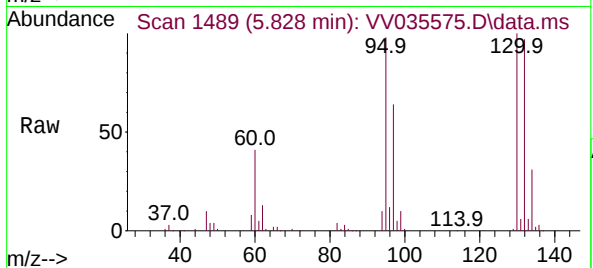
Ion Ratio Lower Upper

95 100

97 64.9 45.1 83.9

132 99.4 69.4 128.8

130 102.1 71.3 132.3



#35

Methylcyclohexane

Concen: 53.951 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

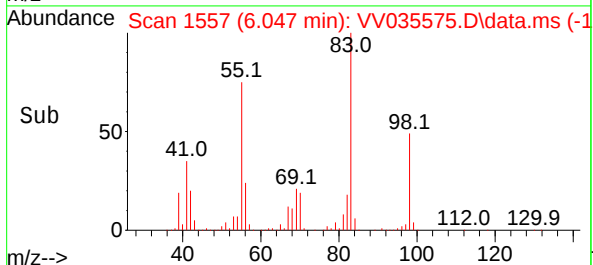
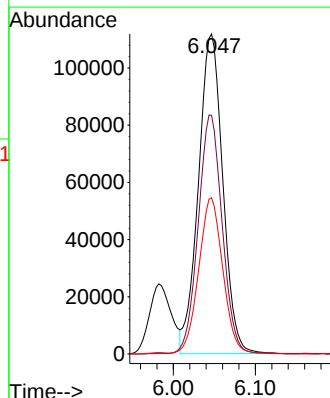
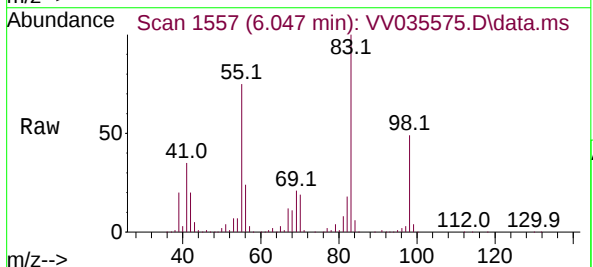
Tgt Ion: 83 Resp: 230245

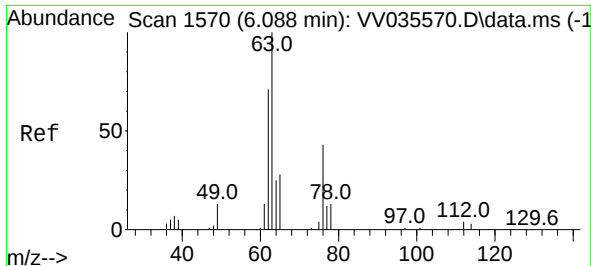
Ion Ratio Lower Upper

83 100

55 73.4 57.5 86.3

98 48.6 38.9 58.3

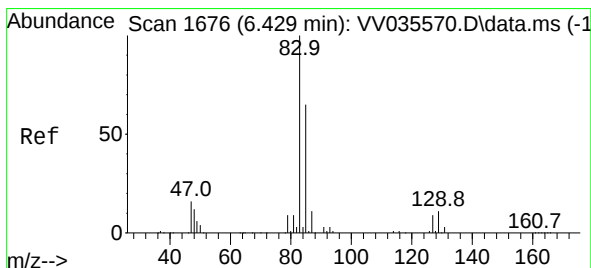
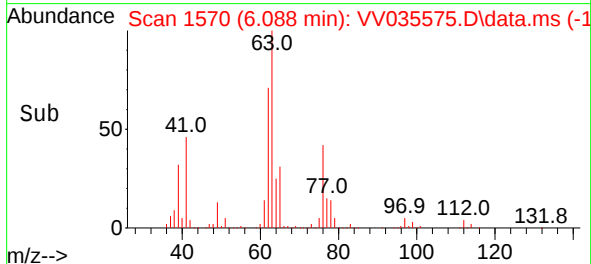
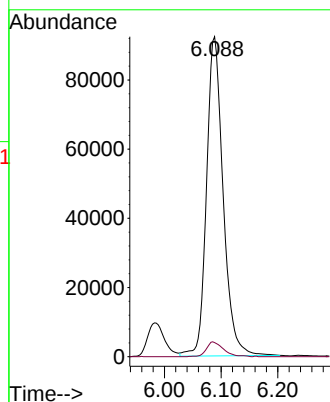
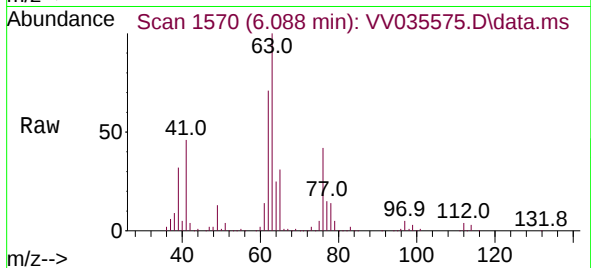




#37  
1,2-Dichloropropane  
Concen: 60.224 ug/L  
RT: 6.088 min Scan# 1570  
Delta R.T. 0.000 min  
Lab File: VV035575.D  
Acq: 10 May 2024 11:49

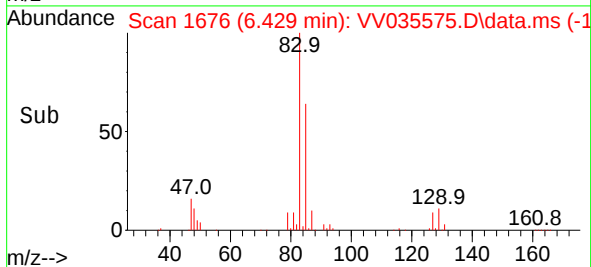
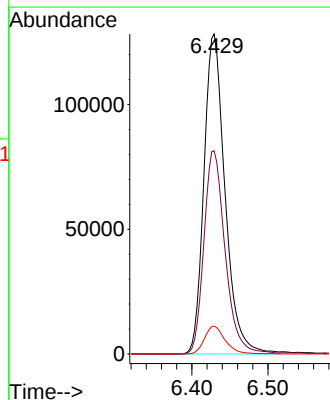
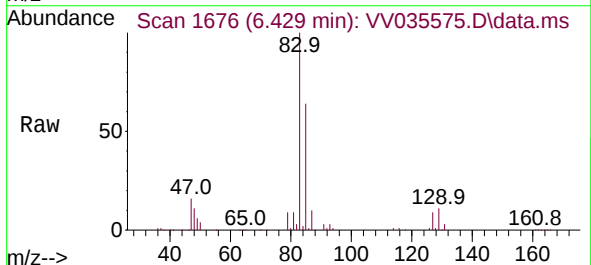
Instrument :  
MSVOA\_V  
ClientSampleId :

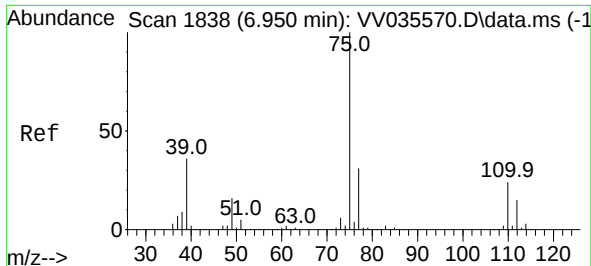
Tgt Ion: 63 Resp: 188100  
Ion Ratio Lower Upper  
63 100  
112 4.7 3.4 5.2



#38  
Bromodichloromethane  
Concen: 57.697 ug/L  
RT: 6.429 min Scan# 1676  
Delta R.T. 0.000 min  
Lab File: VV035575.D  
Acq: 10 May 2024 11:49

Tgt Ion: 83 Resp: 247924  
Ion Ratio Lower Upper  
83 100  
85 63.5 45.1 83.9  
127 8.7 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 59.083 ug/L

RT: 6.950 min Scan# 1838

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

Instrument :

MSVOA\_V

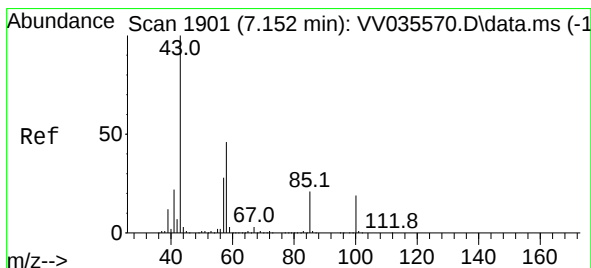
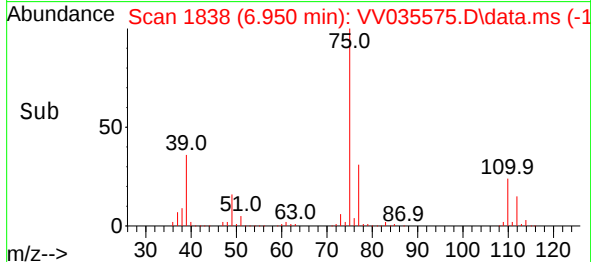
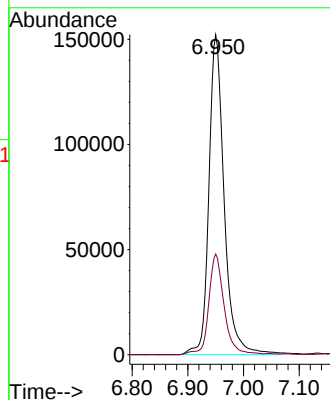
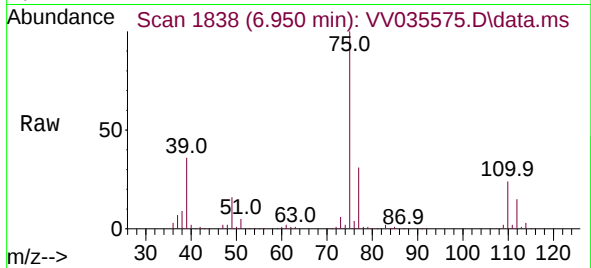
ClientSampleId :

Tgt Ion: 75 Resp: 289685

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 119.470 ug/L

RT: 7.153 min Scan# 1901

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

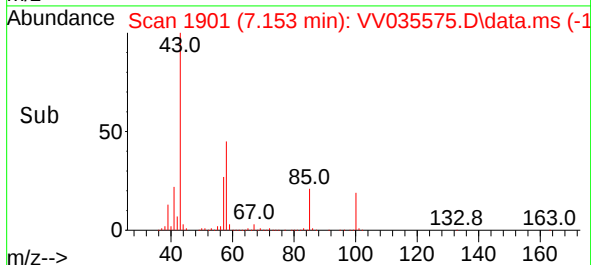
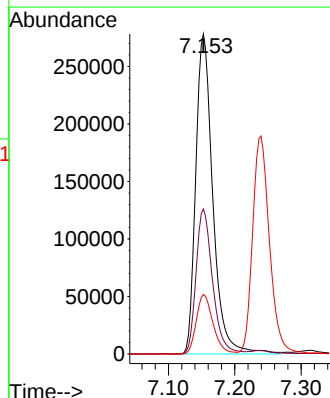
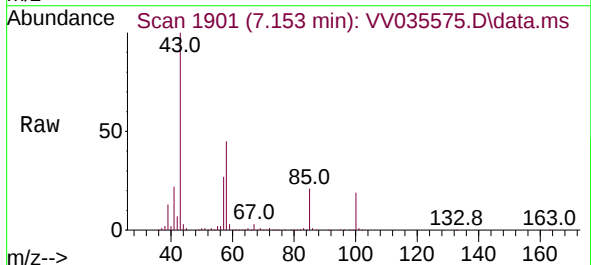
Tgt Ion: 43 Resp: 498096

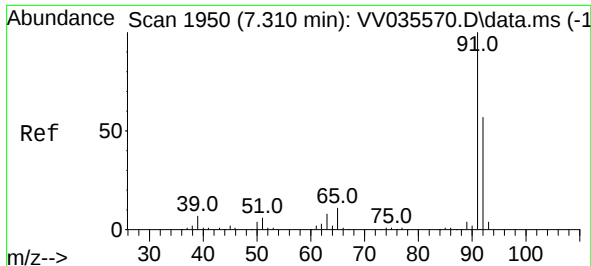
Ion Ratio Lower Upper

43 100

58 43.8 36.1 54.1

100 18.2 15.0 22.4





#42

Toluene

Concen: 55.069 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

Instrument :

MSVOA\_V

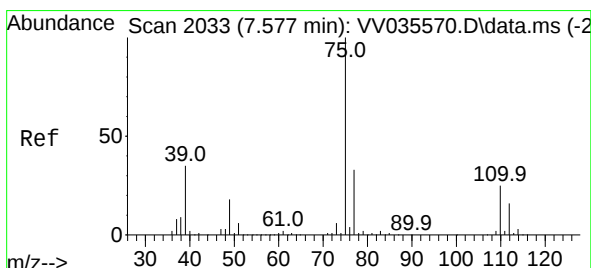
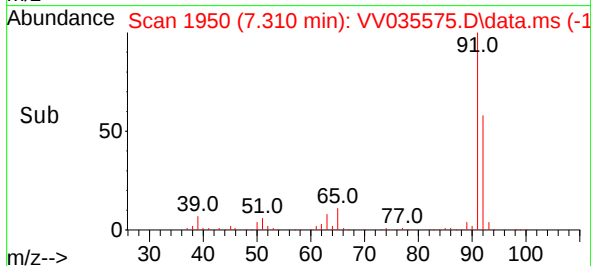
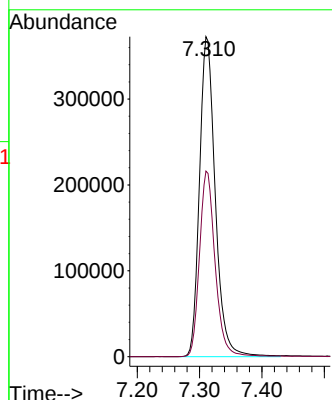
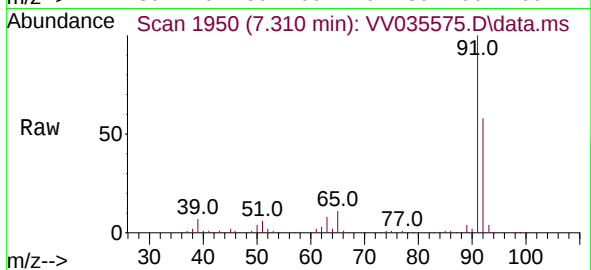
ClientSampleId :

Tgt Ion: 91 Resp: 656759

Ion Ratio Lower Upper

91 100

92 58.0 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 59.959 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV035575.D

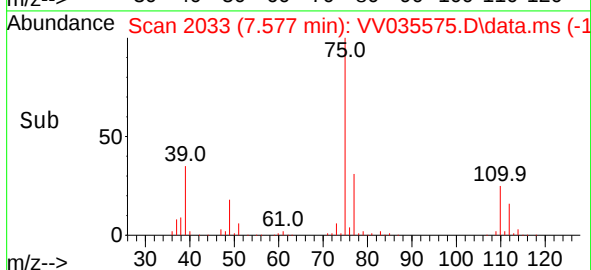
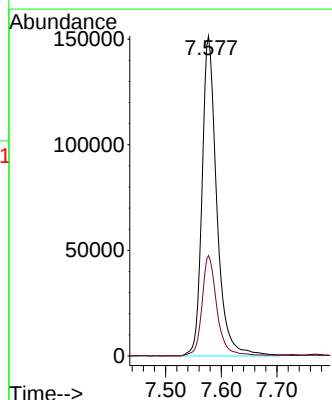
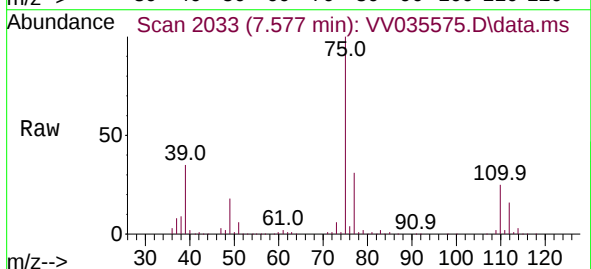
Acq: 10 May 2024 11:49

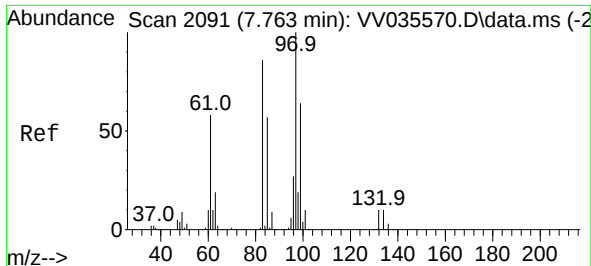
Tgt Ion: 75 Resp: 279243

Ion Ratio Lower Upper

75 100

77 31.3 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 60.389 ug/L

RT: 7.764 min Scan# 2091

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 97 Resp: 201725

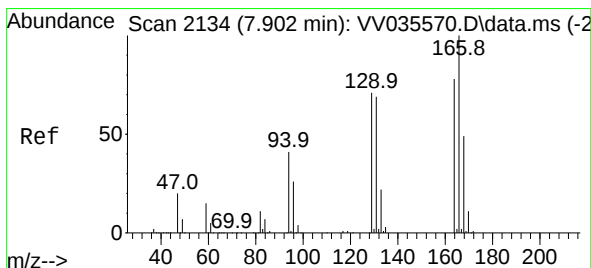
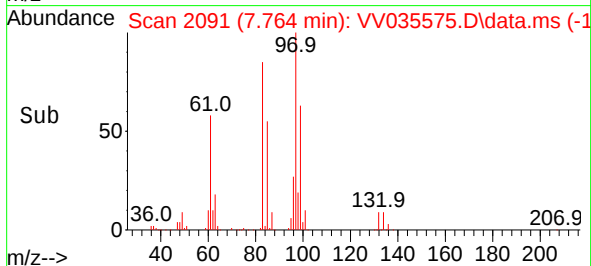
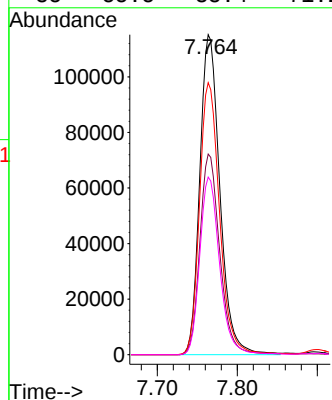
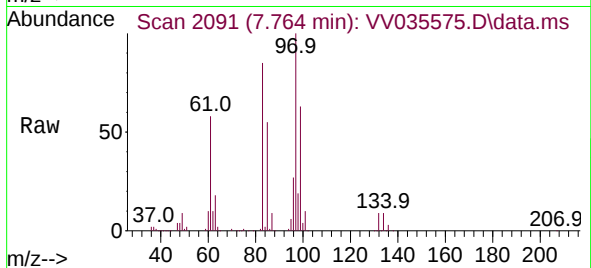
Ion Ratio Lower Upper

97 100

99 62.7 44.2 82.2

83 85.0 59.3 110.1

85 55.5 38.4 71.2



#46

Tetrachloroethene

Concen: 51.286 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

Tgt Ion: 164 Resp: 125311

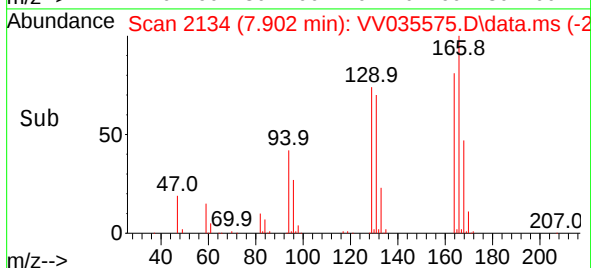
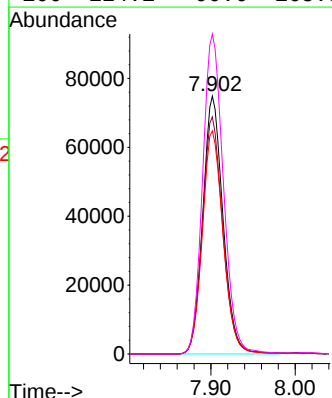
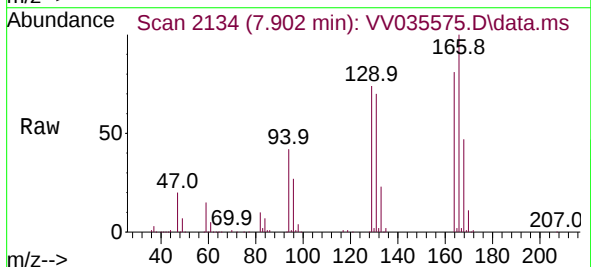
Ion Ratio Lower Upper

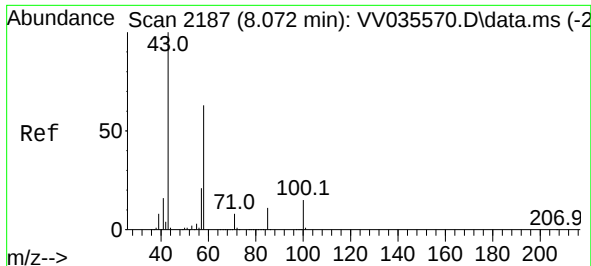
164 100

129 91.9 64.7 120.1

131 86.5 61.5 114.1

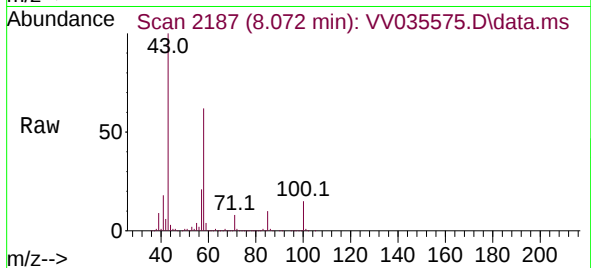
166 124.1 90.6 168.3



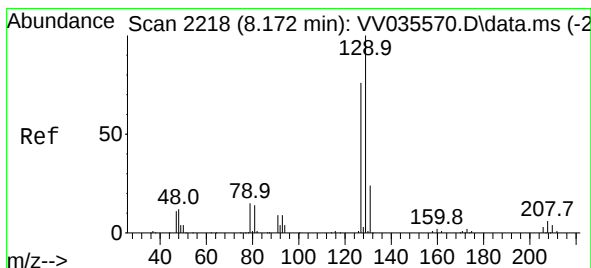
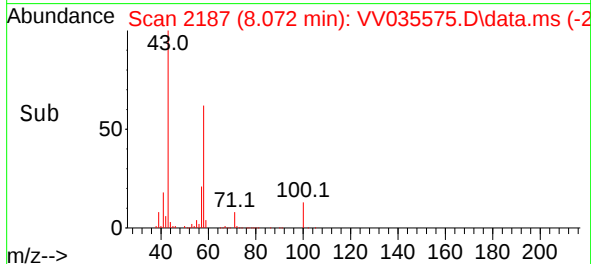
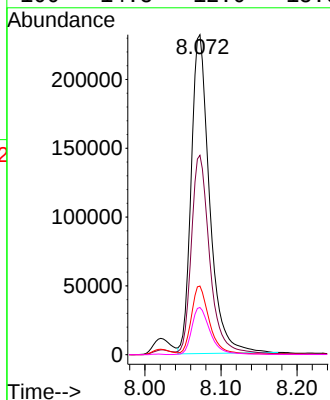


#48  
2-Hexanone  
Concen: 114.748 ug/L  
RT: 8.072 min Scan# 2187  
Delta R.T. 0.000 min  
Lab File: VV035575.D  
Acq: 10 May 2024 11:49

Instrument :  
MSVOA\_V  
ClientSampleId :

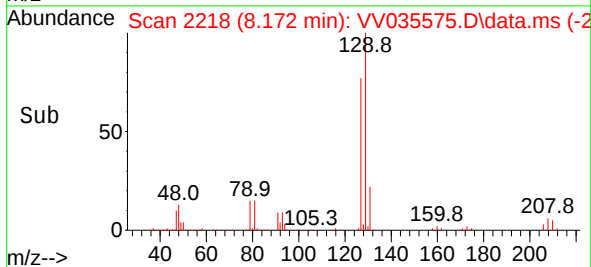
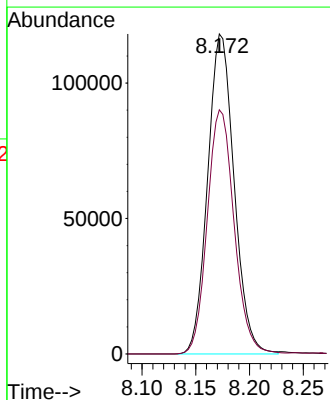
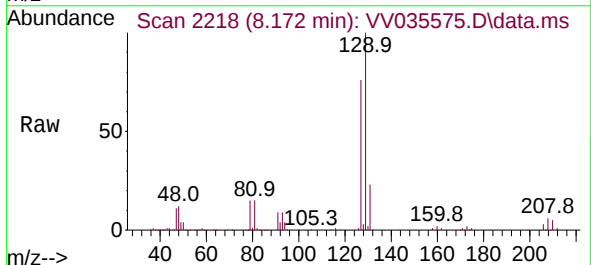


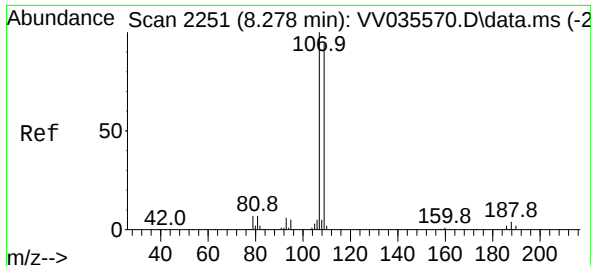
Tgt Ion: 43 Resp: 389254  
Ion Ratio Lower Upper  
43 100  
58 62.5 50.8 76.2  
57 21.2 17.6 26.4  
100 14.8 12.0 18.0



#49  
Dibromochloromethane  
Concen: 57.954 ug/L  
RT: 8.172 min Scan# 2218  
Delta R.T. 0.000 min  
Lab File: VV035575.D  
Acq: 10 May 2024 11:49

Tgt Ion: 129 Resp: 202644  
Ion Ratio Lower Upper  
129 100  
127 76.3 54.3 100.8





#50

1,2-Dibromoethane

Concen: 60.512 ug/L

RT: 8.278 min Scan# 211184

Delta R.T. 0.000 min

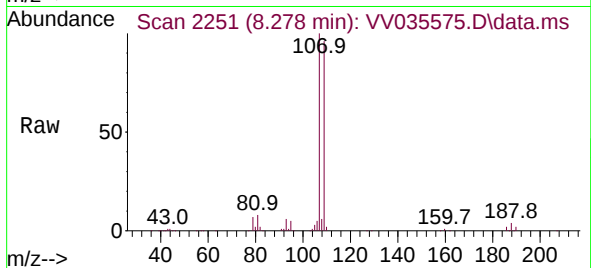
Lab File: VV035575.D

Acq: 10 May 2024 11:49

Instrument :

MSVOA\_V

ClientSampleId :



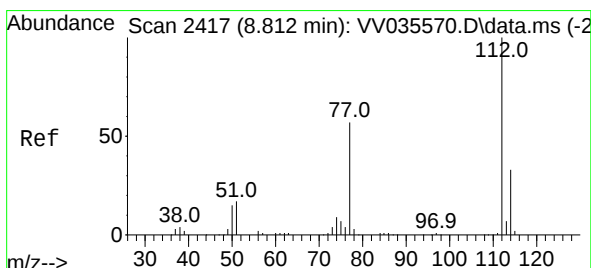
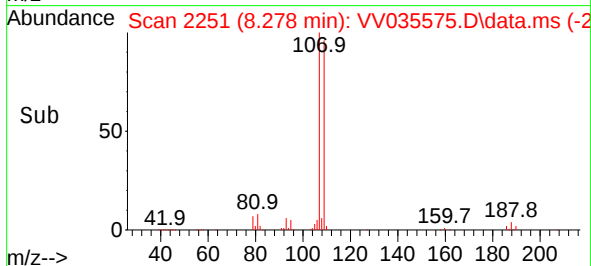
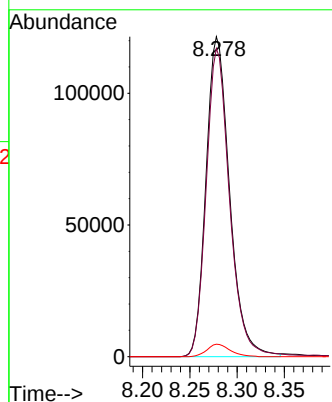
Tgt Ion:107 Resp: 211184

Ion Ratio Lower Upper

107 100

109 96.3 65.7 122.1

188 3.9 3.1 4.7



#51

Chlorobenzene

Concen: 51.779 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

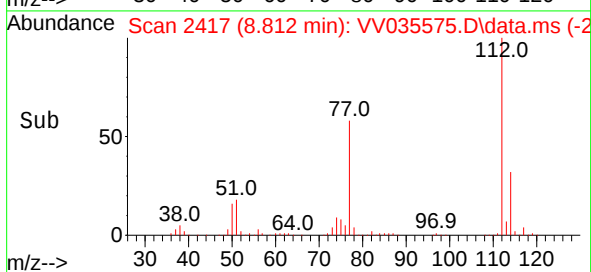
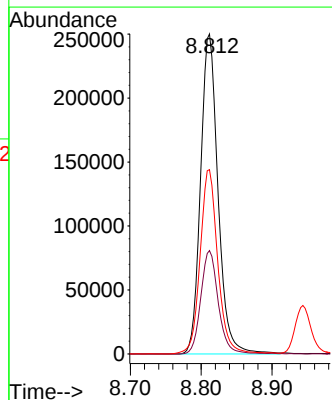
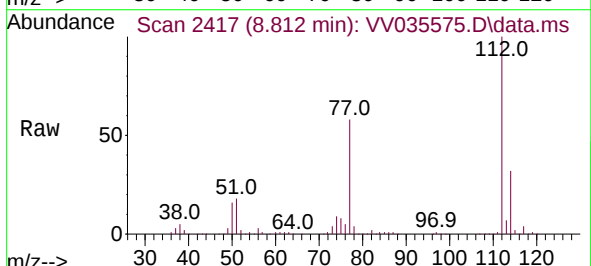
Tgt Ion:112 Resp: 428678

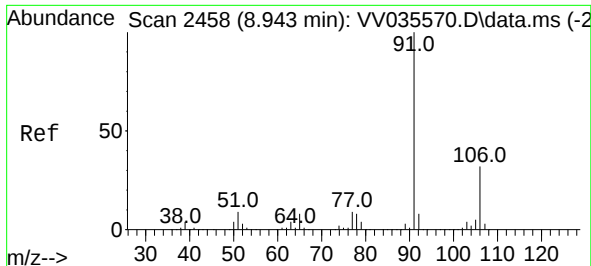
Ion Ratio Lower Upper

112 100

114 32.3 22.4 41.6

77 57.6 45.9 68.9





#52

Ethylbenzene

Concen: 51.257 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

Instrument :

MSVOA\_V

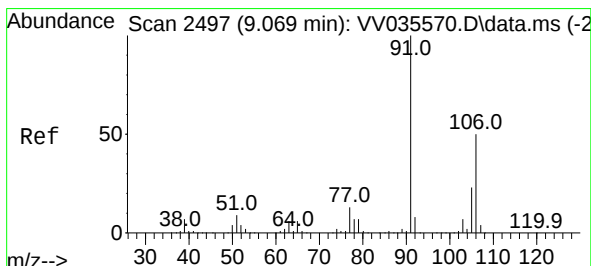
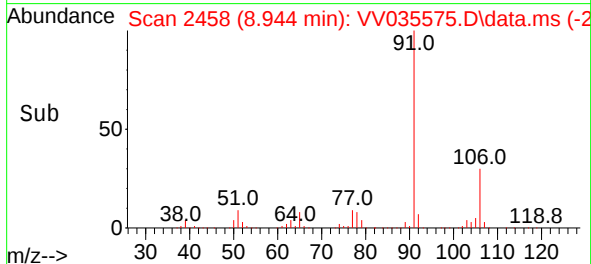
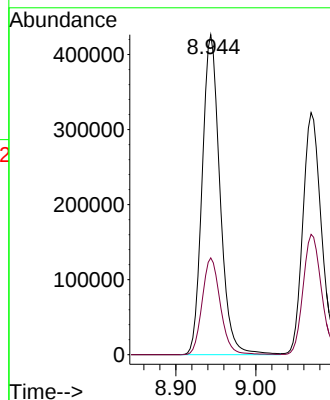
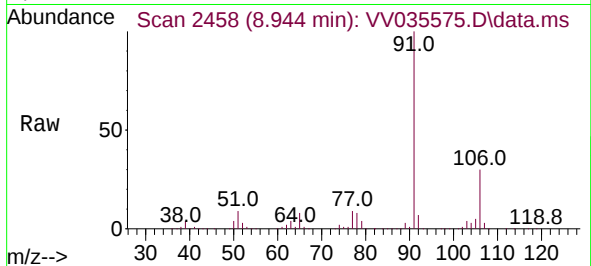
ClientSampleId :

Tgt Ion: 91 Resp: 660411

Ion Ratio Lower Upper

91 100

106 30.2 21.6 40.0



#53

m,p-Xylene

Concen: 54.218 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.000 min

Lab File: VV035575.D

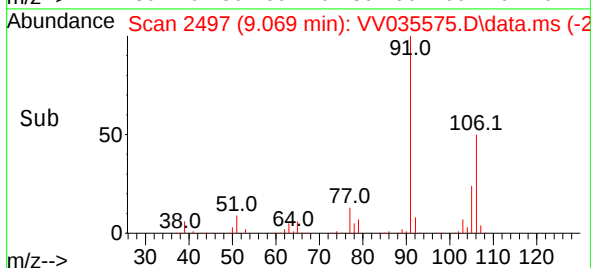
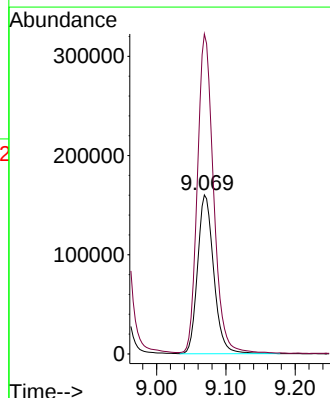
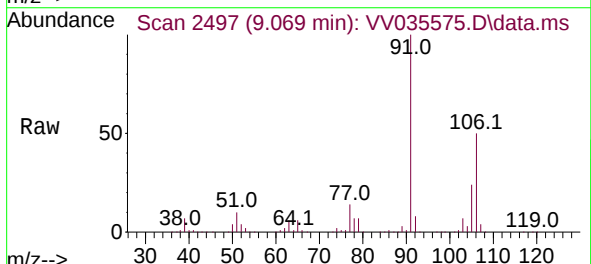
Acq: 10 May 2024 11:49

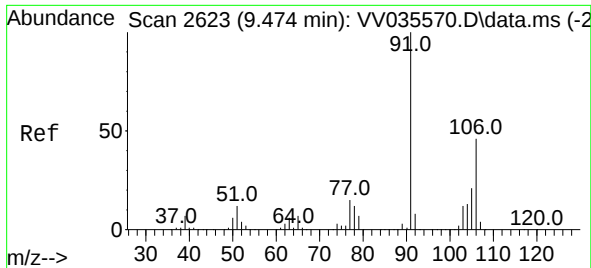
Tgt Ion:106 Resp: 259145

Ion Ratio Lower Upper

106 100

91 201.3 144.8 268.8

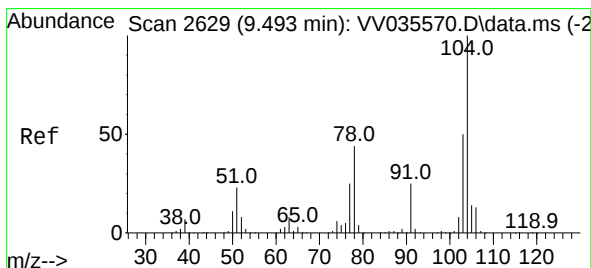
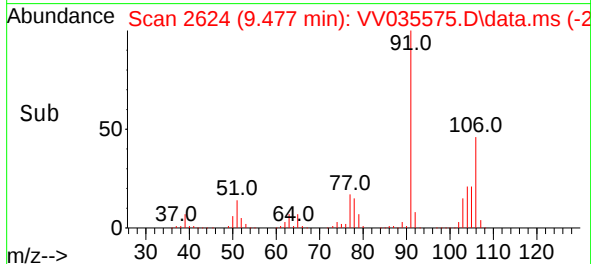
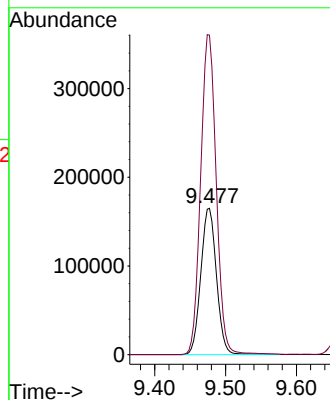
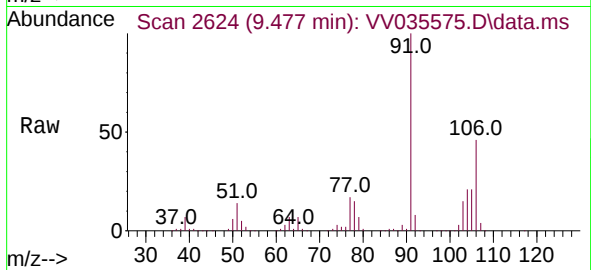




#54  
o-Xylene  
Concen: 52.622 ug/L  
RT: 9.477 min Scan# 2624  
Delta R.T. 0.003 min  
Lab File: VV035575.D  
Acq: 10 May 2024 11:49

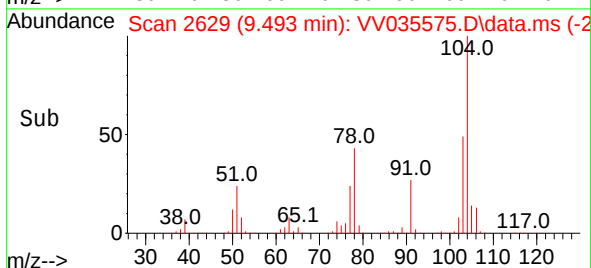
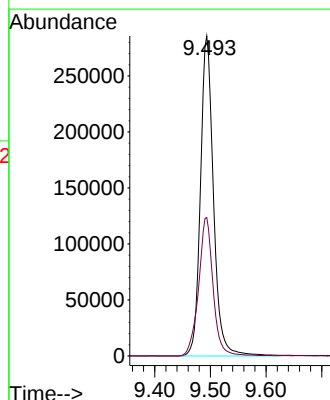
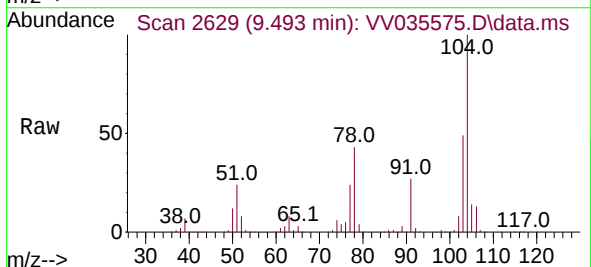
Instrument :  
MSVOA\_V  
ClientSampleId :

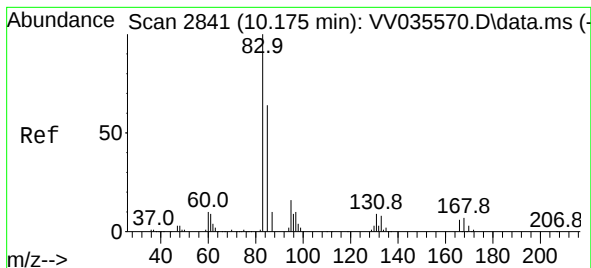
Tgt Ion:106 Resp: 253442  
Ion Ratio Lower Upper  
106 100  
91 218.2 149.9 278.3



#55  
Styrene  
Concen: 55.933 ug/L  
RT: 9.493 min Scan# 2629  
Delta R.T. 0.000 min  
Lab File: VV035575.D  
Acq: 10 May 2024 11:49

Tgt Ion:104 Resp: 465588  
Ion Ratio Lower Upper  
104 100  
78 43.3 29.9 55.5

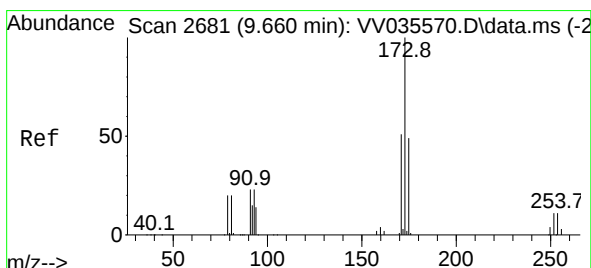
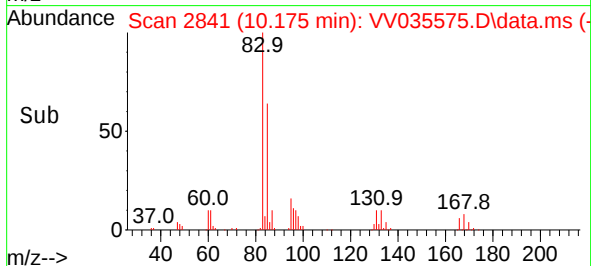
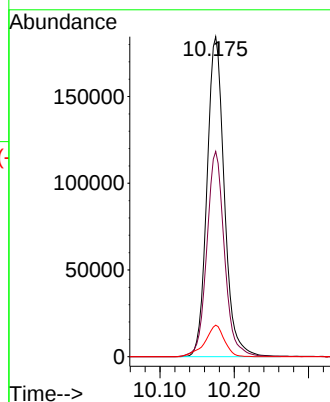
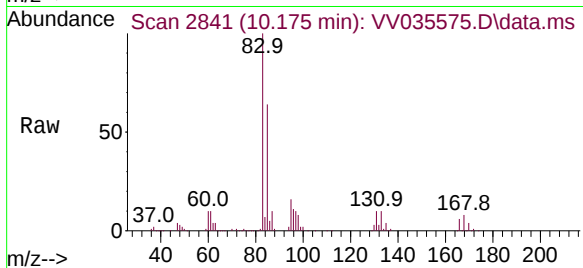




#57  
1,1,2,2-Tetrachloroethane  
Concen: 52.224 ug/L  
RT: 10.175 min Scan# 2841  
Delta R.T. 0.000 min  
Lab File: VV035575.D  
Acq: 10 May 2024 11:49

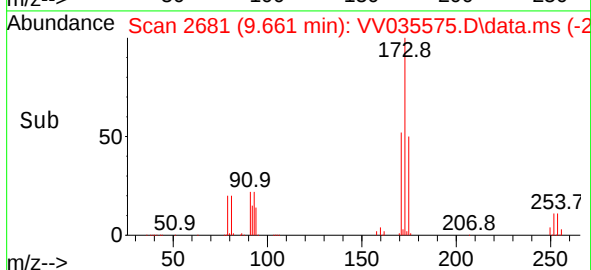
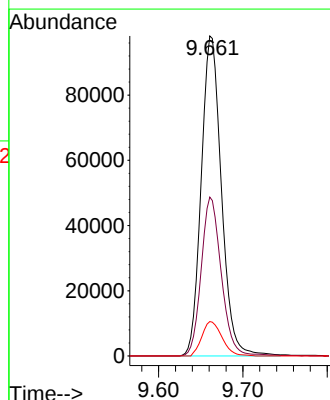
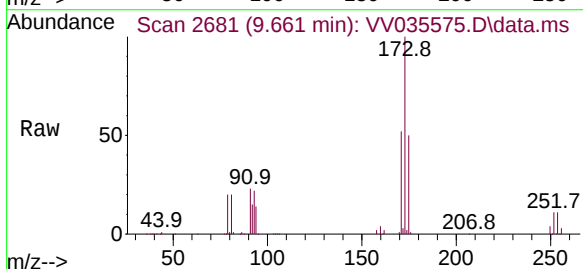
Instrument :  
MSVOA\_V  
ClientSampleId :

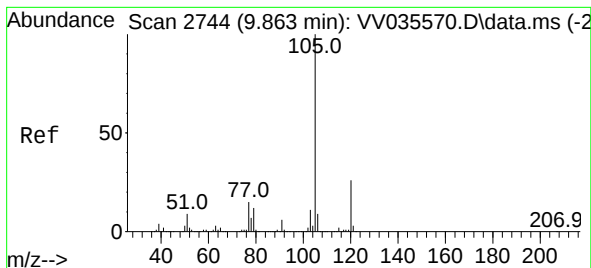
Tgt Ion: 83 Resp: 298483  
Ion Ratio Lower Upper  
83 100  
85 64.2 44.9 83.5  
131 9.8 8.1 12.1



#59  
Bromoform  
Concen: 58.592 ug/L  
RT: 9.661 min Scan# 2681  
Delta R.T. 0.000 min  
Lab File: VV035575.D  
Acq: 10 May 2024 11:49

Tgt Ion: 173 Resp: 164003  
Ion Ratio Lower Upper  
173 100  
175 49.2 39.0 58.6  
254 10.7 8.5 12.7





#60

Isopropylbenzene

Concen: 51.920 ug/L

RT: 9.863 min Scan# 21

Delta R.T. 0.000 min

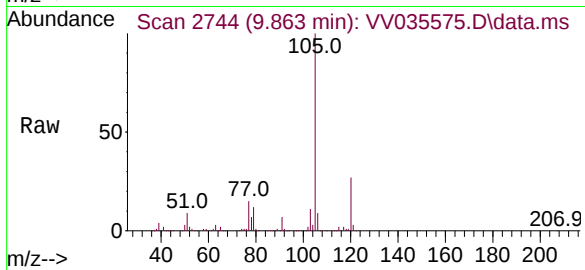
Lab File: VV035575.D

Acq: 10 May 2024 11:49

Instrument :

MSVOA\_V

ClientSampleId :



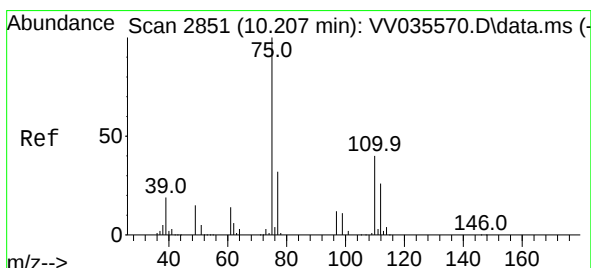
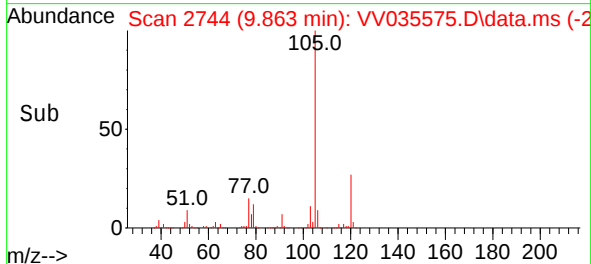
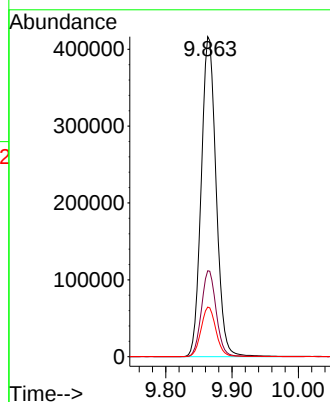
Tgt Ion:105 Resp: 648841

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

77 15.4 12.3 18.5



#61

1,2,3-Trichloropropane

Concen: 58.571 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

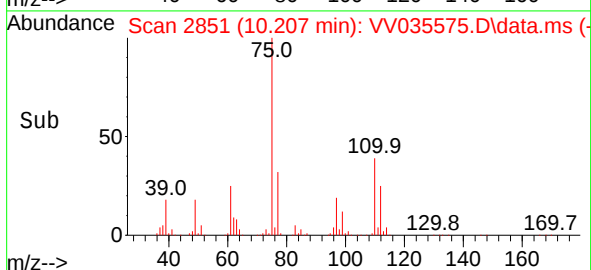
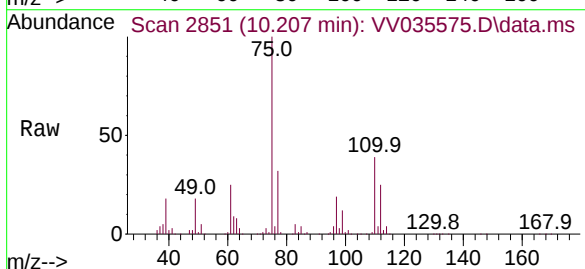
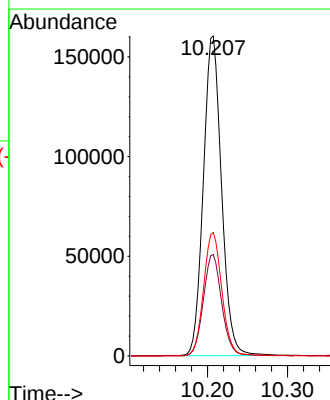
Tgt Ion: 75 Resp: 254289

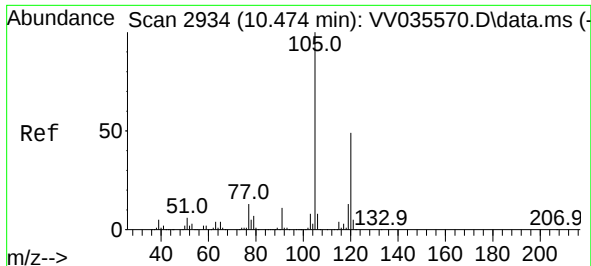
Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6

110 38.9 31.6 47.4





#62

1,3,5-Trimethylbenzene

Concen: 41.066 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

Instrument :

MSVOA\_V

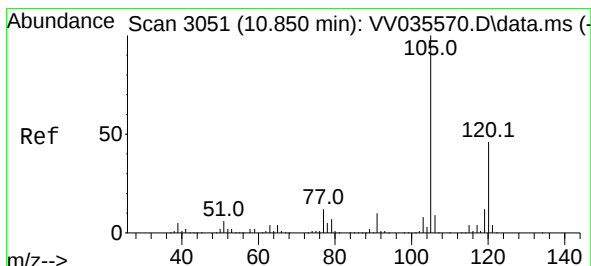
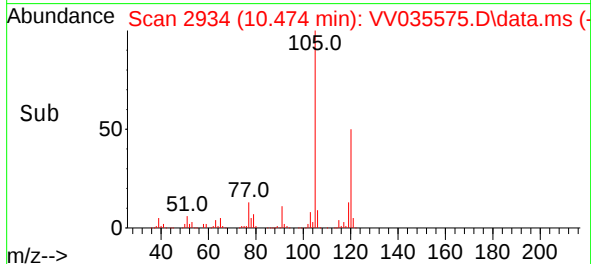
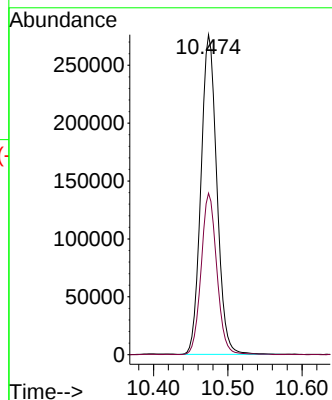
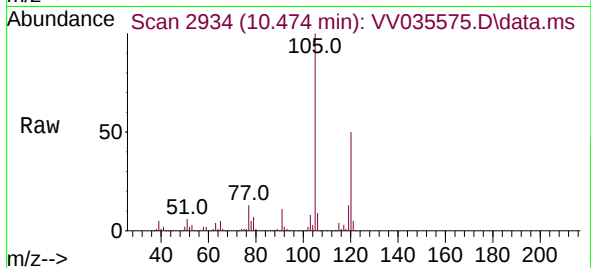
ClientSampleId :

Tgt Ion:105 Resp: 410730

Ion Ratio Lower Upper

105 100

120 49.5 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 52.757 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV035575.D

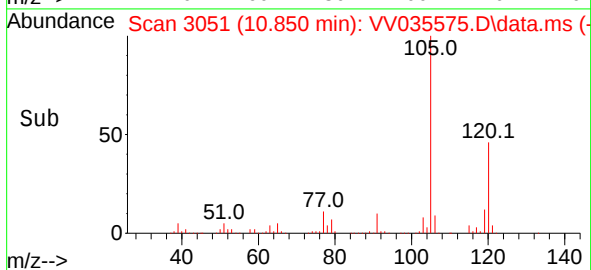
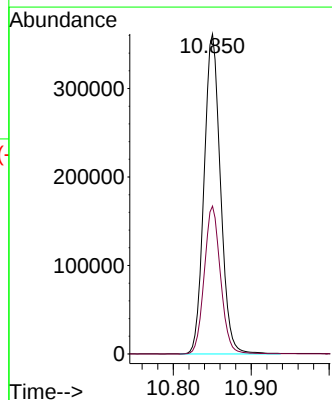
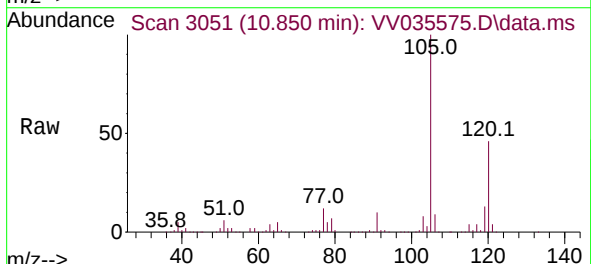
Acq: 10 May 2024 11:49

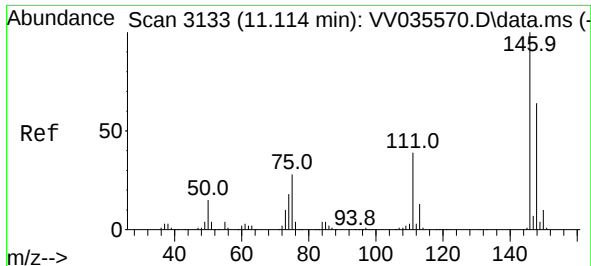
Tgt Ion:105 Resp: 529097

Ion Ratio Lower Upper

105 100

120 45.8 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 50.914 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

Instrument :

MSVOA\_V

ClientSampleId :

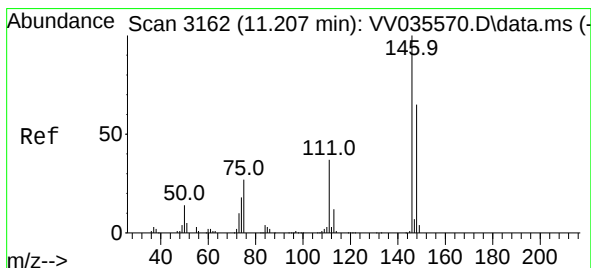
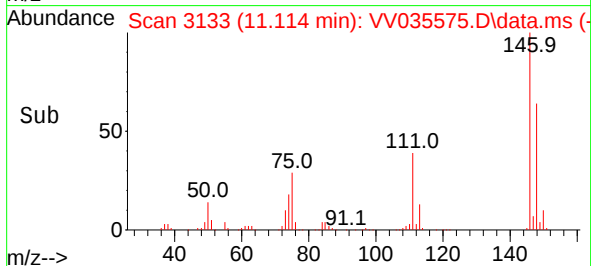
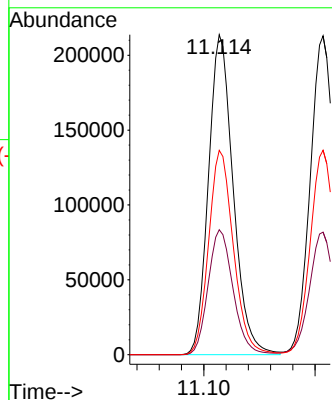
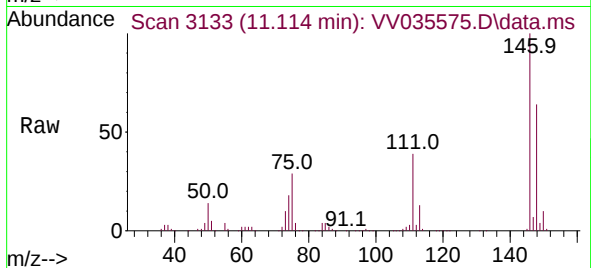
Tgt Ion:146 Resp: 329468

Ion Ratio Lower Upper

146 100

111 39.1 27.9 51.7

148 63.9 45.1 83.9



#65

1,4-Dichlorobenzene

Concen: 49.960 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

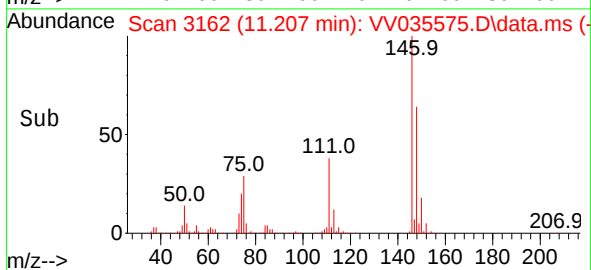
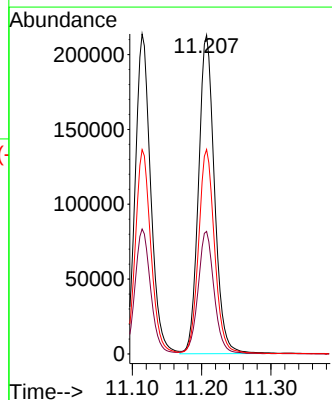
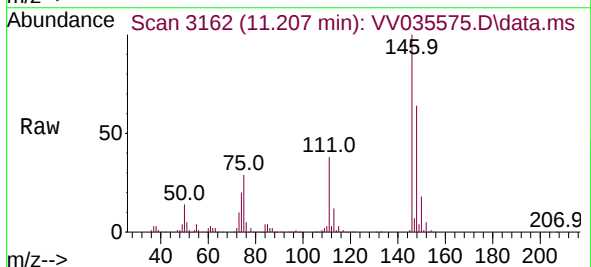
Tgt Ion:146 Resp: 341142

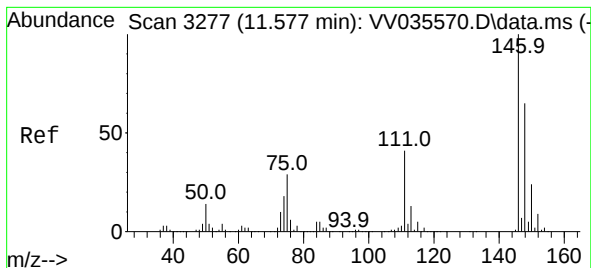
Ion Ratio Lower Upper

146 100

111 38.4 26.4 49.0

148 64.1 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 51.610 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

Instrument :

MSVOA\_V

ClientSampleId :

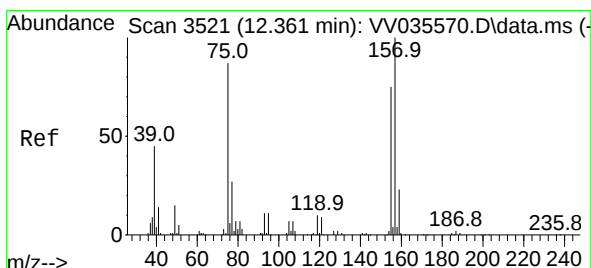
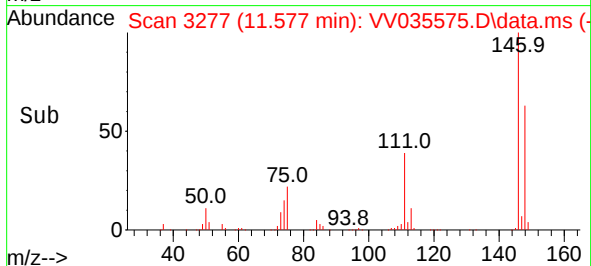
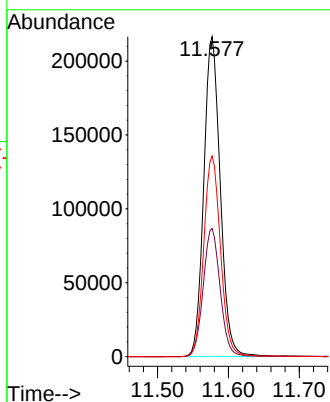
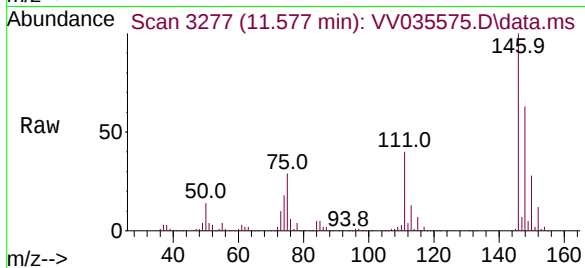
Tgt Ion:146 Resp: 349411

Ion Ratio Lower Upper

146 100

111 40.1 32.1 48.1

148 62.7 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 59.121 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

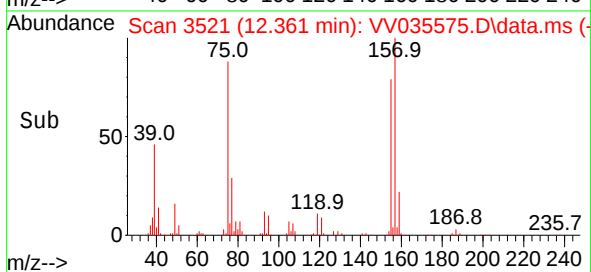
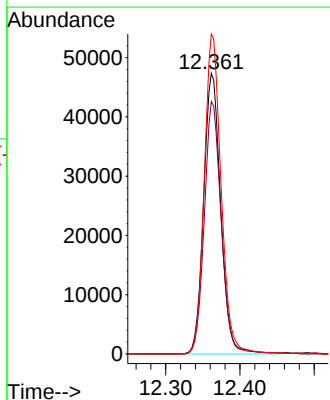
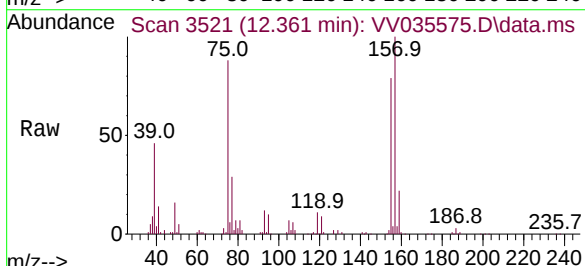
Tgt Ion: 75 Resp: 75592

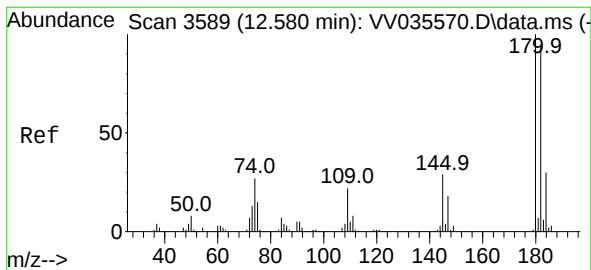
Ion Ratio Lower Upper

75 100

155 89.9 71.4 107.2

157 114.0 95.0 142.4





#69

1,3,5-Trichlorobenzene

Concen: 48.769 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

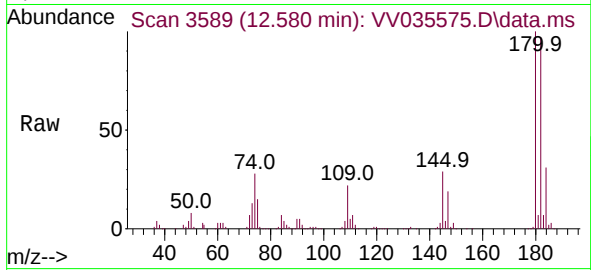
Lab File: VV035575.D

Acq: 10 May 2024 11:49

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 239543

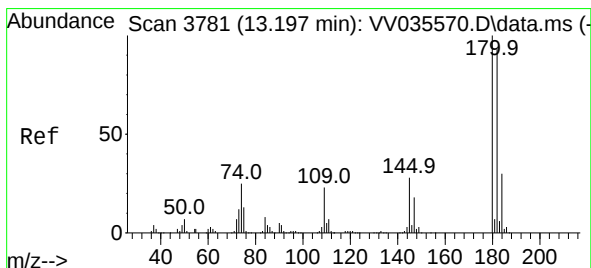
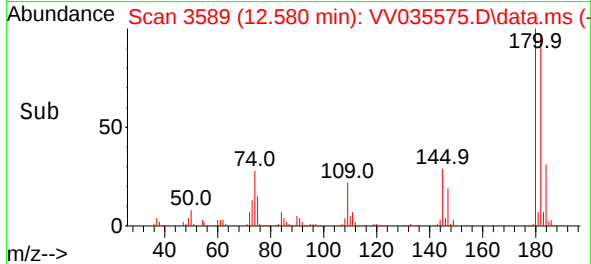
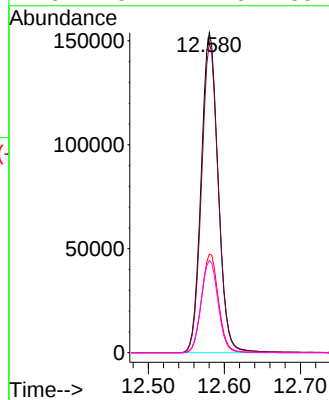
Ion Ratio Lower Upper

180 100

182 95.6 75.7 113.5

184 30.5 24.1 36.1

145 28.7 22.5 33.7



#70

1,2,4-trichlorobenzene

Concen: 50.889 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

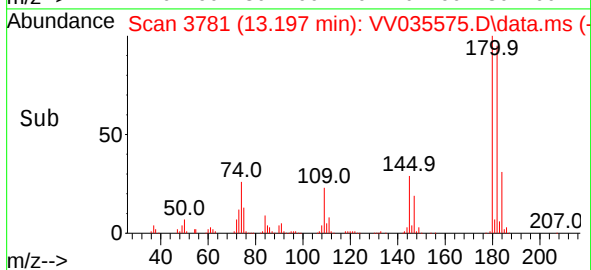
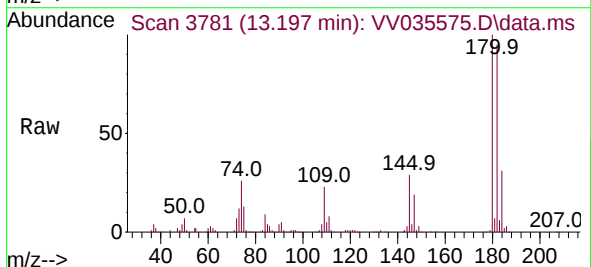
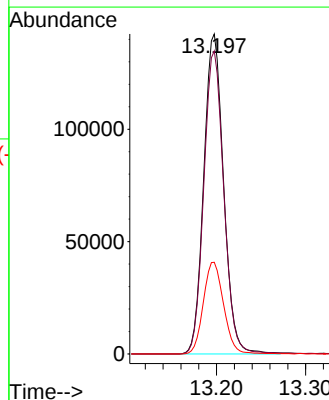
Tgt Ion:180 Resp: 220194

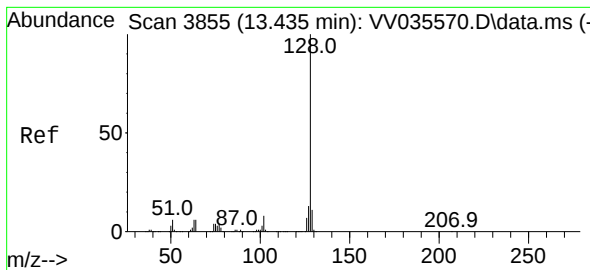
Ion Ratio Lower Upper

180 100

182 95.0 75.7 113.5

145 29.3 23.0 34.4





#71

Naphthalene

Concen: 57.254 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

Instrument :

MSVOA\_V

ClientSampleId :

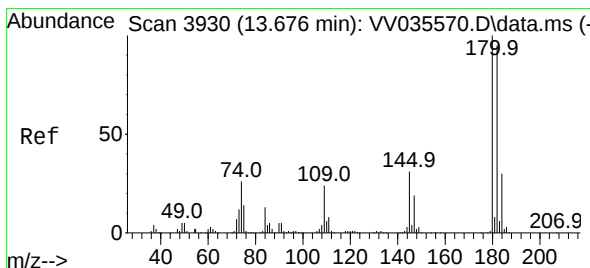
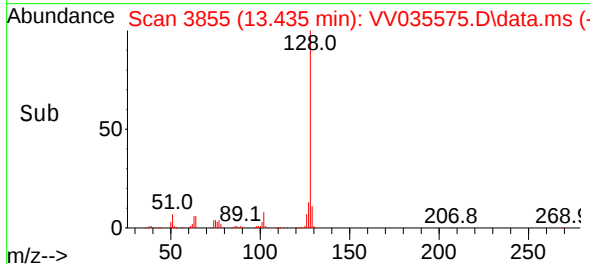
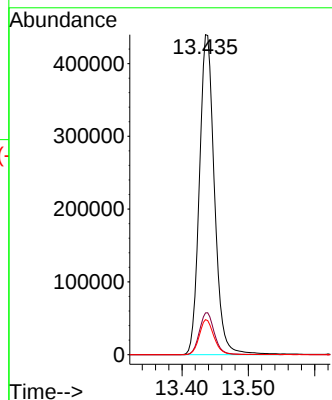
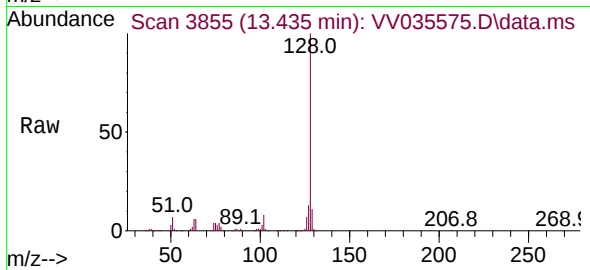
Tgt Ion:128 Resp: 694343

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 10.7 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 55.799 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV035575.D

Acq: 10 May 2024 11:49

Tgt Ion:180 Resp: 250614

Ion Ratio Lower Upper

180 100

182 94.7 76.2 114.2

145 30.9 24.9 37.3

