

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV051324\  
 Data File : VV035588.D  
 Acq On : 13 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 14 01:20:36 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   | 515186   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783   | 117   | 517218   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181  | 152   | 280091   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 165748   | 41.725   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 83.460%  |
| 7) Chloroethane-d5            | 1.522   | 69    | 145912   | 49.844   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 99.680%  |
| 11) 1,1-Dichloroethene-d2     | 2.053   | 65    | 74513    | 43.698   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 87.400%  |
| 21) 2-Butanone-d5             | 3.780   | 46    | 231003   | 86.165   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 86.170%  |
| 24) Chloroform-d              | 4.243   | 84    | 360126   | 49.425   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 98.840%  |
| 26) 1,2-Dichloroethane-d4     | 4.934   | 65    | 213370   | 49.725   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 99.460%  |
| 32) Benzene-d6                | 4.953   | 84    | 691666   | 47.509   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.020%  |
| 36) 1,2-Dichloropropane-d6    | 5.982   | 67    | 218260   | 48.083   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 96.160%  |
| 41) Toluene-d8                | 7.239   | 98    | 642203   | 48.462   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.920%  |
| 43) trans-1,3-Dichloroprop... | 7.548   | 79    | 104195   | 47.097   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 94.200%  |
| 47) 2-Hexanone-d5             | 8.021   | 63    | 175424   | 84.097   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 84.100%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149  | 84    | 308708   | 44.631   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 89.260%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.557  | 152   | 255056   | 45.834   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 91.660%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105   | 85    | 183231   | 53.089   | ug/L   | 100      |
| 3) Chloromethane              | 1.214   | 50    | 188815   | 50.499   | ug/L   | 97       |
| 5) Vinyl chloride             | 1.281   | 62    | 206023   | 52.323   | ug/L   | 100      |
| 6) Bromomethane               | 1.477   | 94    | 88212    | 35.235   | ug/L   | 100      |
| 8) Chloroethane               | 1.539   | 64    | 137269   | 60.633   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.706   | 101   | 290319   | 54.805   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.063   | 101   | 189902   | 56.557   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.066   | 96    | 161802   | 53.948   | ug/L   | 82       |
| 13) Acetone                   | 2.111   | 43    | 296295   | 119.380  | ug/L   | 100      |
| 14) Carbon disulfide          | 2.236   | 76    | 397374   | 50.434   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.368   | 43    | 202687   | 50.343   | ug/L   | 99       |
| 16) Methylene chloride        | 2.442   | 84    | 202506   | 53.287   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 2.690   | 96    | 173216   | 54.639   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 2.699   | 73    | 623049   | 55.884   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.104   | 63    | 366672   | 55.083   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 3.809   | 96    | 206670   | 54.813   | ug/L   | 98       |
| 22) 2-Butanone                | 3.860   | 43    | 308418   | 104.970  | ug/L   | 98       |
| 23) Bromochloromethane        | 4.143   | 128   | 113037   | 54.816   | ug/L   | 97       |
| 25) Chloroform                | 4.268   | 83    | 386198   | 56.208   | ug/L   | 99       |

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 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

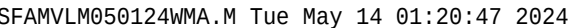
Instrument :  
 MSVOA\_V  
 ClientSampleId :

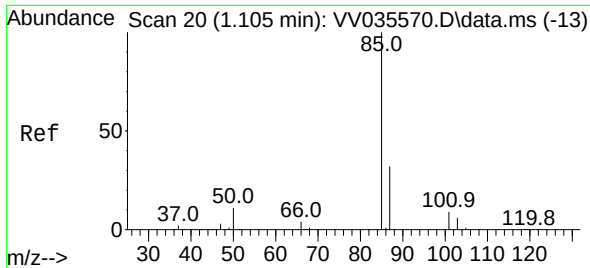
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 Quant Title : VOC Analysis  
 QLast Update : Fri May 10 23:44:12 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.034  | 62   | 285597   | 58.080  | ug/L  | 98       |
| 29) Cyclohexane               | 4.577  | 56   | 251910   | 54.551  | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.506  | 97   | 322848   | 54.542  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.728  | 117  | 280963   | 54.896  | ug/L  | 99       |
| 33) Benzene                   | 5.005  | 78   | 774857   | 55.478  | ug/L  | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 219247   | 58.988  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.046  | 83   | 290193   | 55.345  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.088  | 63   | 212178   | 55.292  | ug/L  | 98       |
| 38) Bromodichloromethane      | 6.429  | 83   | 292347   | 55.375  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 334720   | 55.564  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.152  | 43   | 528163   | 103.109 | ug/L  | 99       |
| 42) Toluene                   | 7.310  | 91   | 831432   | 56.743  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 321897   | 56.257  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.763  | 97   | 226729   | 55.244  | ug/L  | 100      |
| 46) Tetrachloroethene         | 7.902  | 164  | 163347   | 54.413  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.069  | 43   | 446378   | 107.101 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.172  | 129  | 234314   | 54.542  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.278  | 107  | 233415   | 54.437  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.808  | 112  | 550695   | 54.140  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.943  | 91   | 900180   | 56.866  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.069  | 106  | 344022   | 58.582  | ug/L  | 99       |
| 54) o-Xylene                  | 9.474  | 106  | 336431   | 56.854  | ug/L  | 100      |
| 55) Styrene                   | 9.493  | 104  | 611229   | 59.765  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.172 | 83   | 323452   | 46.062  | ug/L  | 100      |
| 59) Bromoform                 | 9.660  | 173  | 186770   | 51.554  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.863  | 105  | 914272   | 56.526  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.204 | 75   | 285715   | 50.847  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 741591   | 57.288  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.847 | 105  | 748153   | 57.638  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146  | 458831   | 54.783  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.204 | 146  | 469335   | 53.106  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.574 | 146  | 471204   | 53.774  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.361 | 75   | 79532    | 48.060  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.580 | 180  | 349634   | 54.998  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.194 | 180  | 312481   | 55.797  | ug/L  | 100      |
| 71) Naphthalene               | 13.435 | 128  | 867429   | 55.264  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.676 | 180  | 342826   | 58.975  | ug/L  | 99       |

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

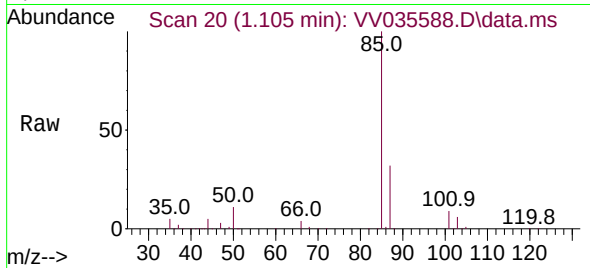
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050124WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri May 10 23:44:12 2024  
Response via : Initial Calibration



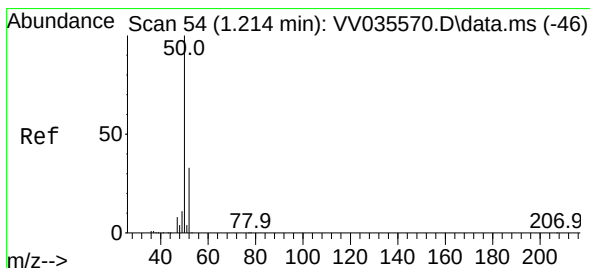
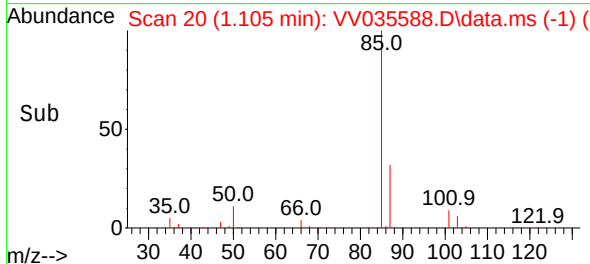
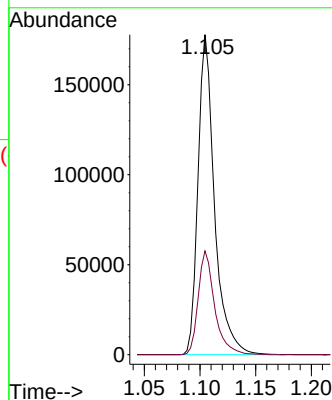


#2  
 Dichlorodifluoromethane  
 Concen: 53.089 ug/L  
 RT: 1.105 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VV035588.D  
 Acq: 13 May 2024 09:10

Instrument :  
 MSVOA\_V  
 ClientSampleId :

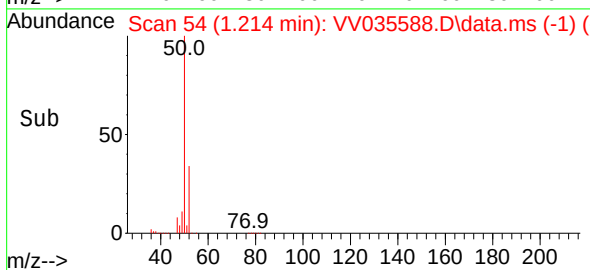
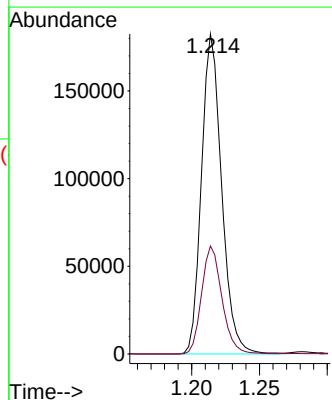
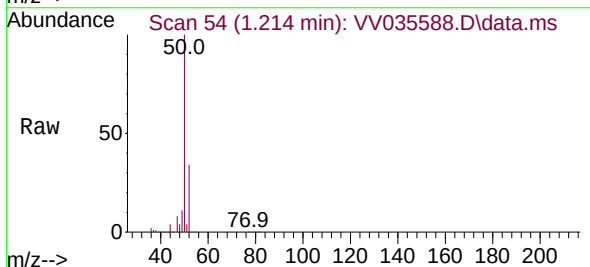


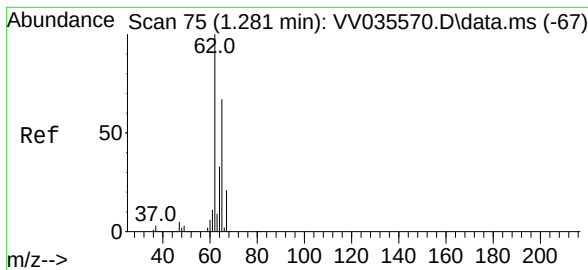
Tgt Ion: 85 Resp: 183231  
 Ion Ratio Lower Upper  
 85 100  
 87 32.3 25.8 38.8



#3  
 Chloromethane  
 Concen: 50.499 ug/L  
 RT: 1.214 min Scan# 54  
 Delta R.T. -0.000 min  
 Lab File: VV035588.D  
 Acq: 13 May 2024 09:10

Tgt Ion: 50 Resp: 188815  
 Ion Ratio Lower Upper  
 50 100  
 52 33.7 22.6 42.0

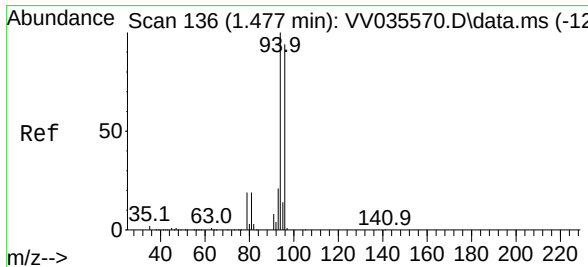
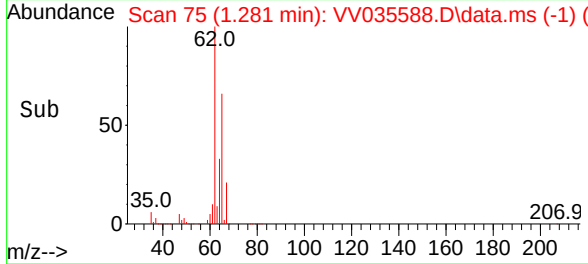
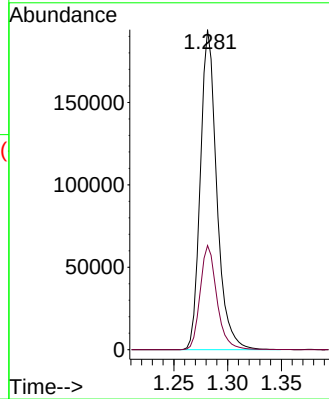
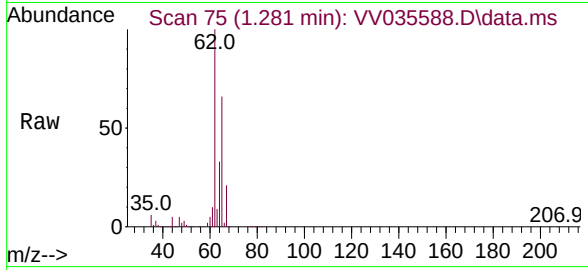




#5  
 Vinyl chloride  
 Concen: 52.323 ug/L  
 RT: 1.281 min Scan# 75  
 Delta R.T. -0.000 min  
 Lab File: VV035588.D  
 Acq: 13 May 2024 09:10

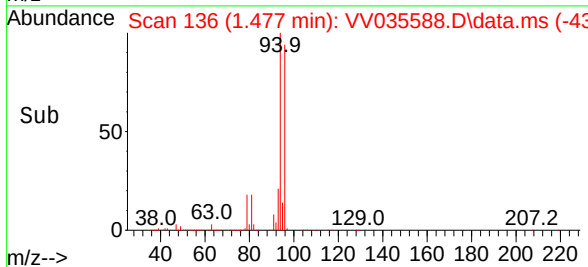
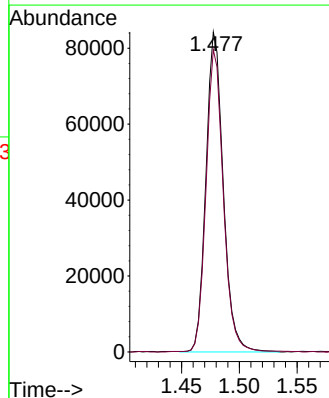
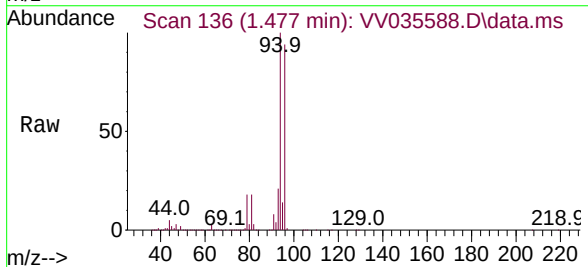
Instrument :  
 MSVOA\_V  
 ClientSampleId :

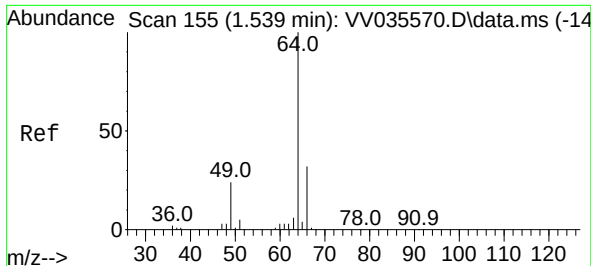
Tgt Ion: 62 Resp: 206023  
 Ion Ratio Lower Upper  
 62 100  
 64 32.6 22.9 42.5



#6  
 Bromomethane  
 Concen: 35.235 ug/L  
 RT: 1.477 min Scan# 136  
 Delta R.T. -0.000 min  
 Lab File: VV035588.D  
 Acq: 13 May 2024 09:10

Tgt Ion: 94 Resp: 88212  
 Ion Ratio Lower Upper  
 94 100  
 96 94.5 66.2 123.0

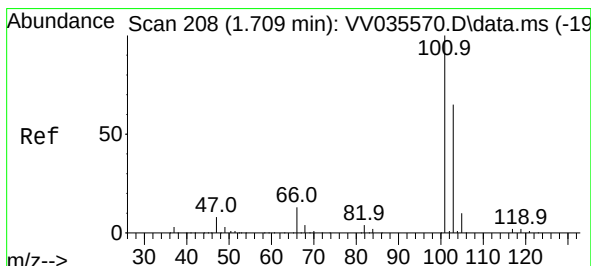
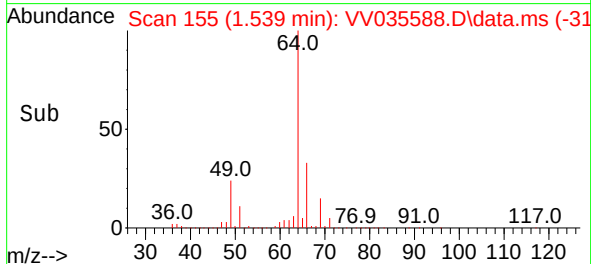
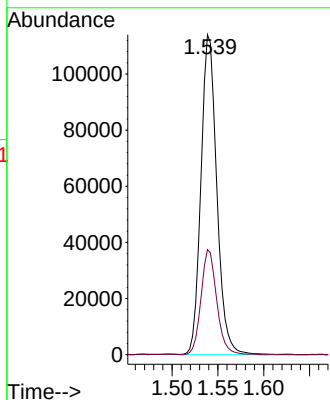
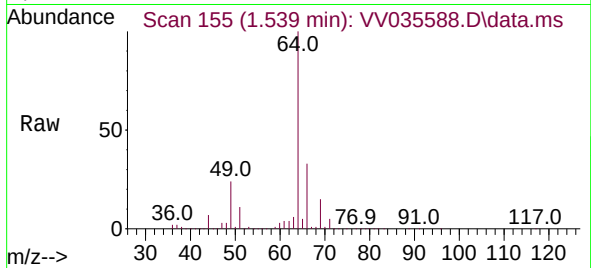




#8  
Chloroethane  
Concen: 60.633 ug/L  
RT: 1.539 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VV035588.D  
Acq: 13 May 2024 09:10

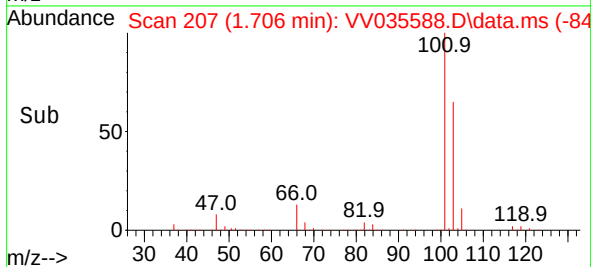
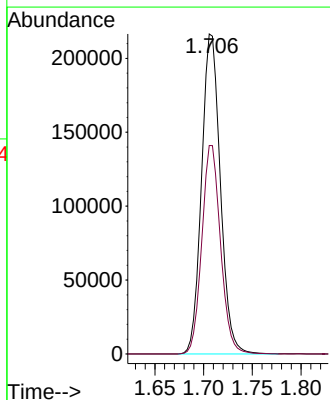
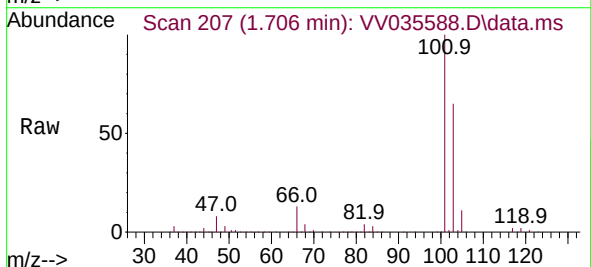
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MSVOA\_V  
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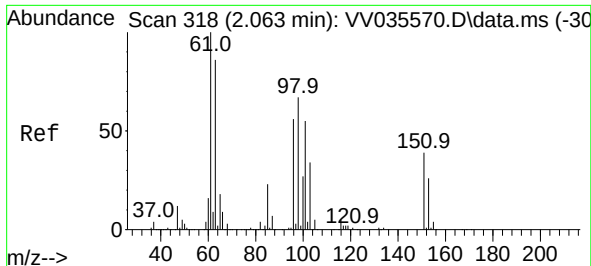
Tgt Ion: 64 Resp: 137269  
Ion Ratio Lower Upper  
64 100  
66 32.9 22.7 42.1



#9  
Trichlorofluoromethane  
Concen: 54.805 ug/L  
RT: 1.706 min Scan# 207  
Delta R.T. -0.003 min  
Lab File: VV035588.D  
Acq: 13 May 2024 09:10

Tgt Ion:101 Resp: 290319  
Ion Ratio Lower Upper  
101 100  
103 64.7 52.0 78.0





#10

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

Concen: 56.557 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.000 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

Instrument :

MSVOA\_V

ClientSampleId :

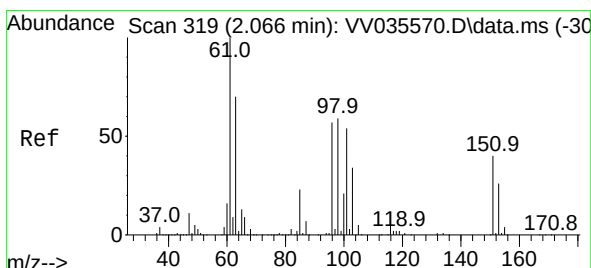
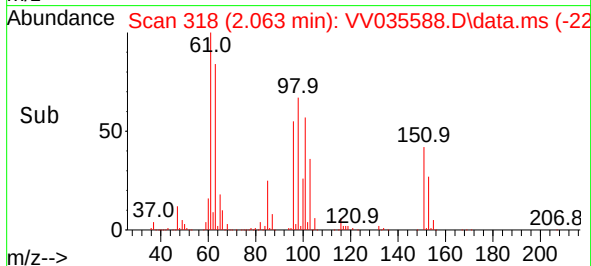
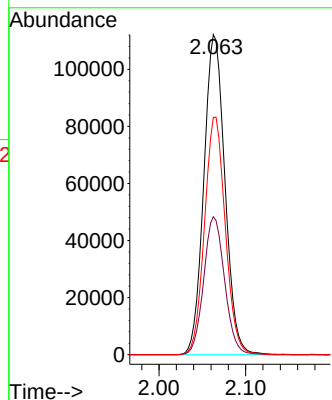
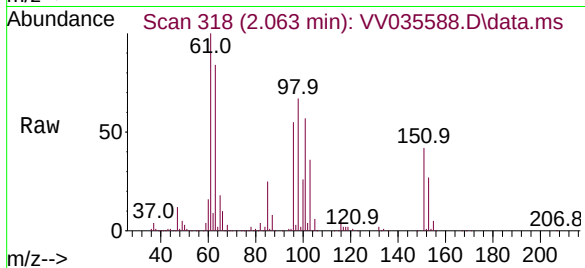
Tgt Ion:101 Resp: 189902

Ion Ratio Lower Upper

101 100

85 42.7 34.4 51.6

151 73.2 60.1 90.1



#12

1,1-Dichloroethene

Concen: 53.948 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.000 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

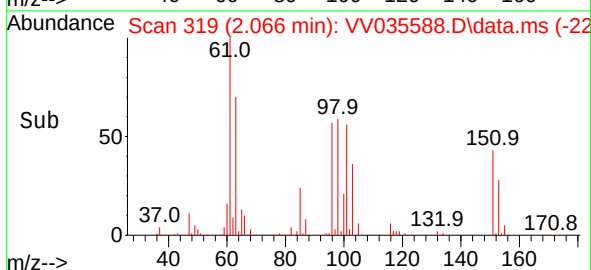
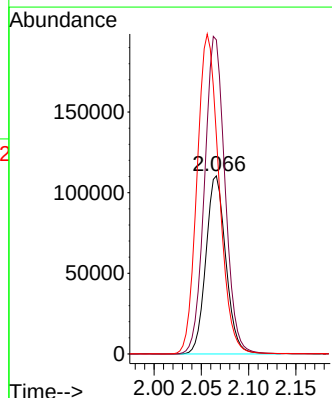
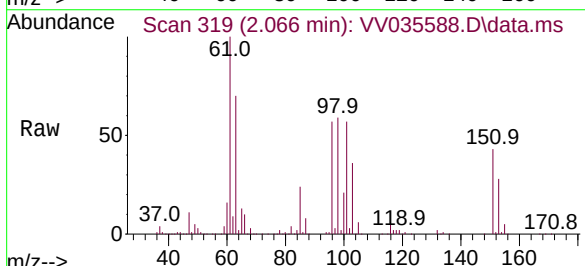
Tgt Ion: 96 Resp: 161802

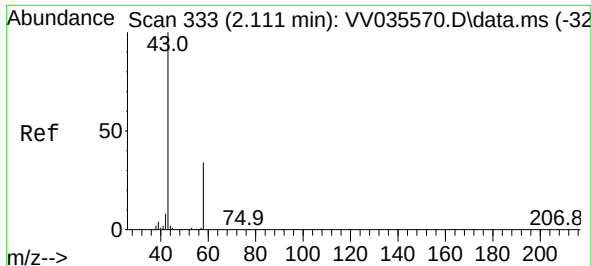
Ion Ratio Lower Upper

96 100

61 176.5 126.5 234.9

63 122.8 118.1 219.3





#13

Acetone

Concen: 119.380 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.000 min

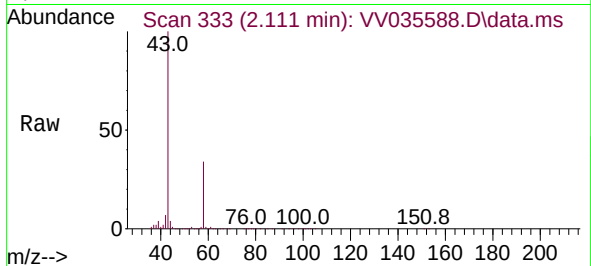
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Acq: 13 May 2024 09:10

Instrument :

MSVOA\_V

ClientSampleId :

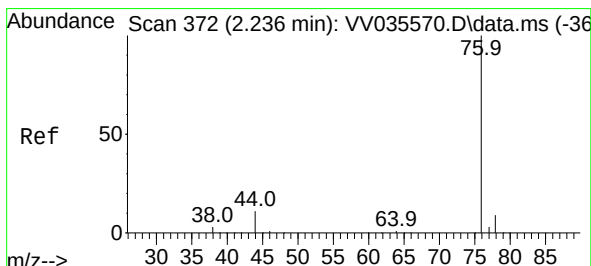
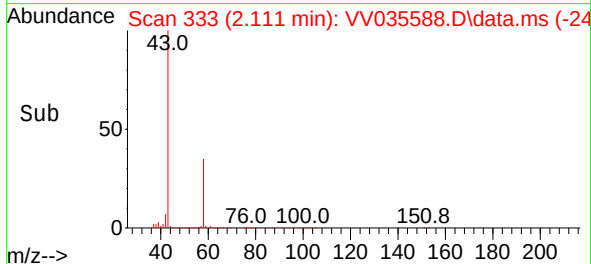
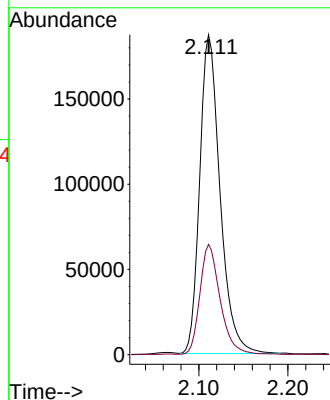


Tgt Ion: 43 Resp: 296295

Ion Ratio Lower Upper

43 100

58 34.4 0.0 68.8



#14

Carbon disulfide

Concen: 50.434 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.000 min

Lab File: VV035588.D

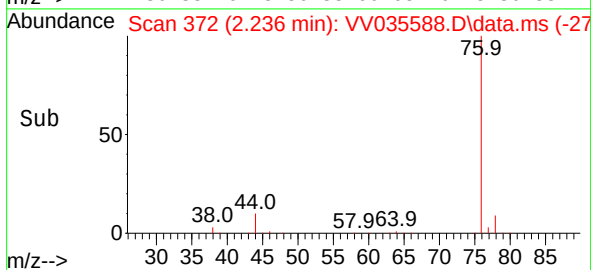
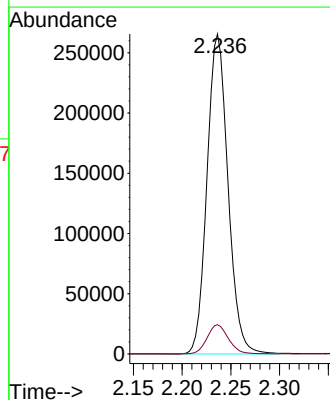
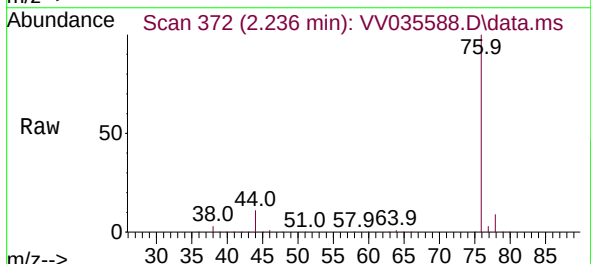
Acq: 13 May 2024 09:10

Tgt Ion: 76 Resp: 397374

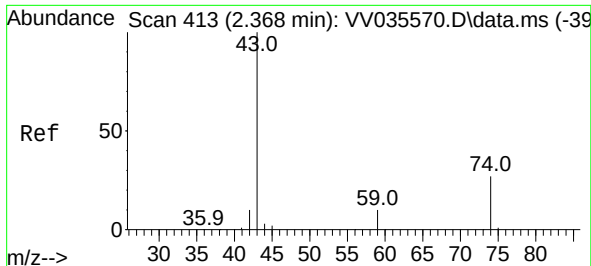
Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4







#15

Methyl Acetate

Concen: 50.343 ug/L

RT: 2.368 min Scan# 413

Delta R.T. -0.000 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

Instrument :

MSVOA\_V

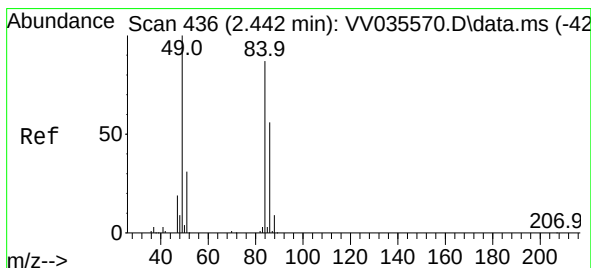
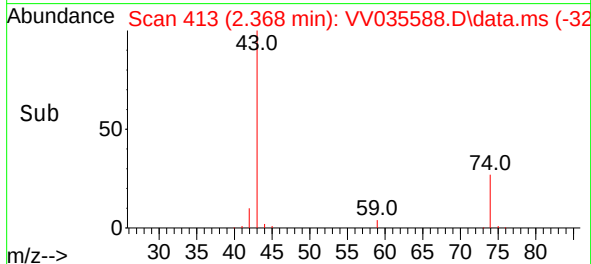
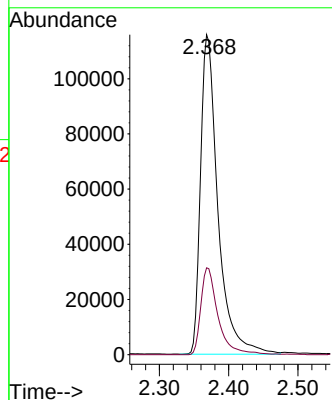
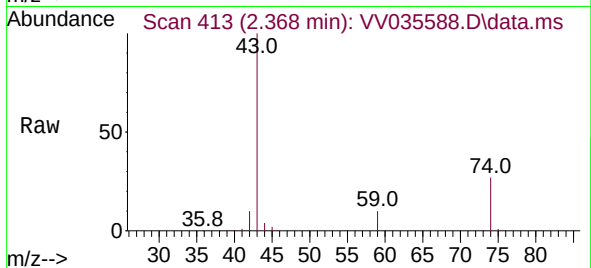
ClientSampleId :

Tgt Ion: 43 Resp: 202687

Ion Ratio Lower Upper

43 100

74 26.3 21.6 32.4



#16

Methylene chloride

Concen: 53.287 ug/L

RT: 2.442 min Scan# 436

Delta R.T. -0.000 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

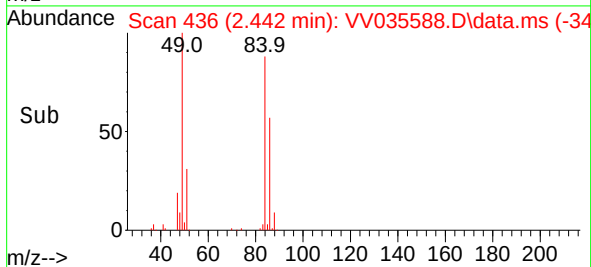
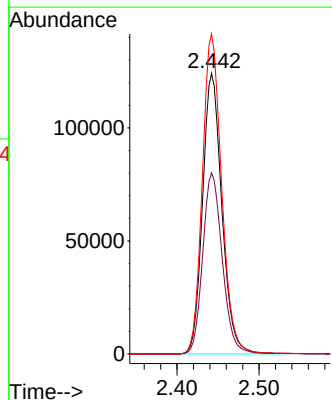
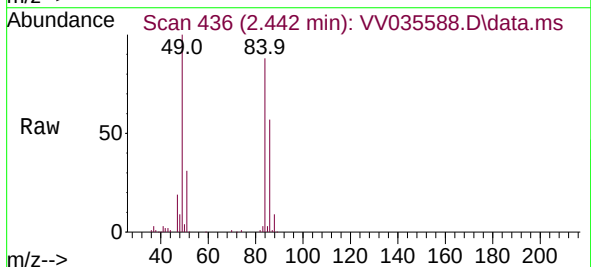
Tgt Ion: 84 Resp: 202506

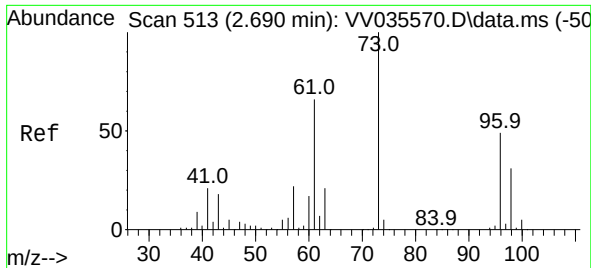
Ion Ratio Lower Upper

84 100

86 64.5 45.3 84.1

49 114.0 76.9 142.7





#17

trans-1,2-Dichloroethene

Concen: 54.639 ug/L

RT: 2.690 min Scan# 513

Delta R.T. -0.000 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

Instrument :

MSVOA\_V

ClientSampleId :

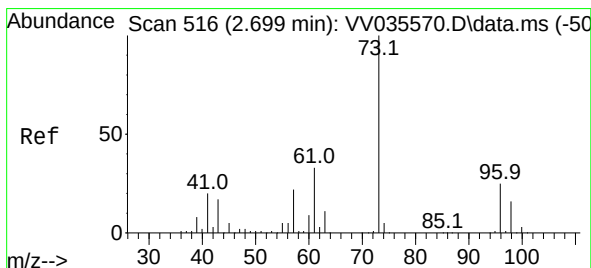
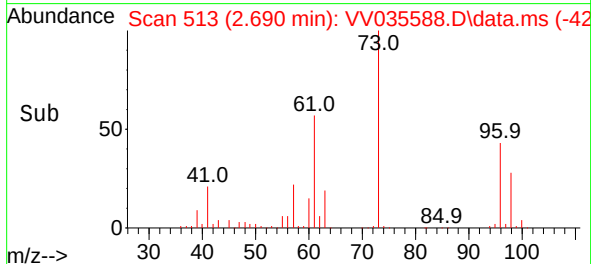
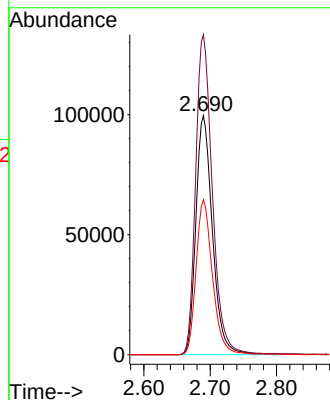
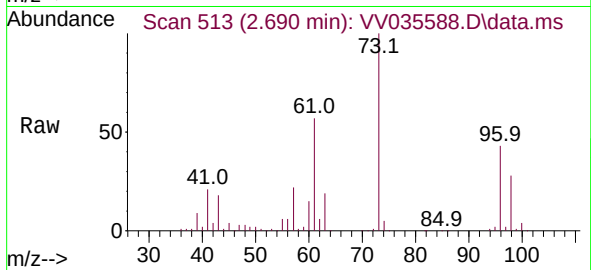
Tgt Ion: 96 Resp: 173216

Ion Ratio Lower Upper

96 100

61 133.9 95.5 177.3

98 64.9 44.9 83.5



#18

Methyl tert-butyl Ether

Concen: 55.884 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.000 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

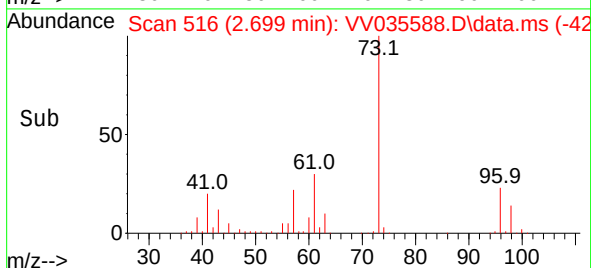
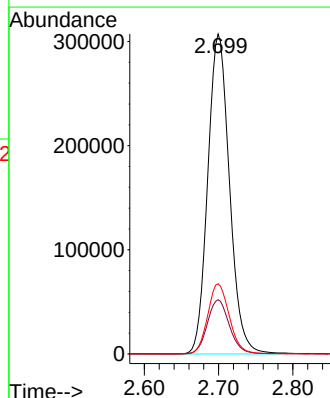
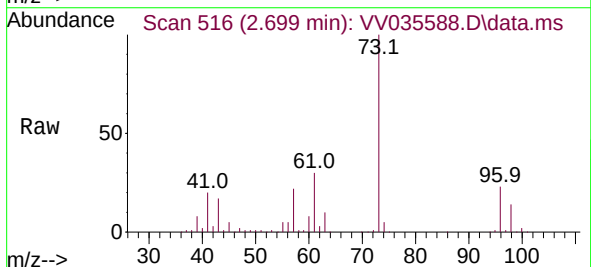
Tgt Ion: 73 Resp: 623049

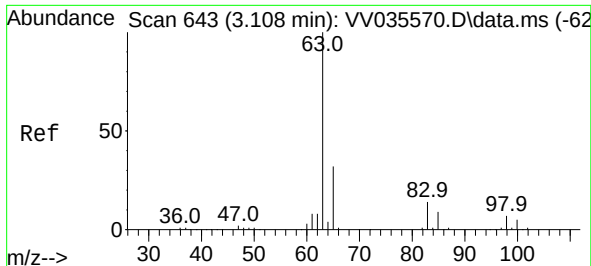
Ion Ratio Lower Upper

73 100

43 17.2 13.6 20.4

57 21.9 17.4 26.0





#19

1,1-Dichloroethane

Concen: 55.083 ug/L

RT: 3.104 min Scan# 643

Delta R.T. -0.003 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

Instrument :

MSVOA\_V

ClientSampleId :

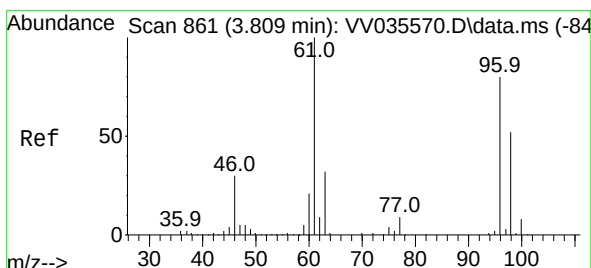
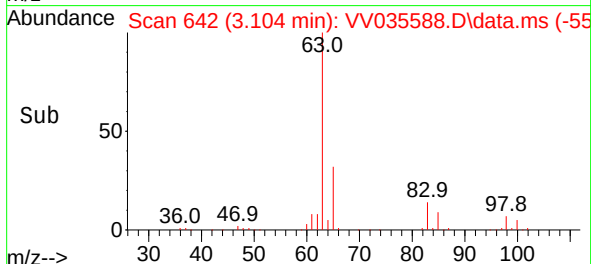
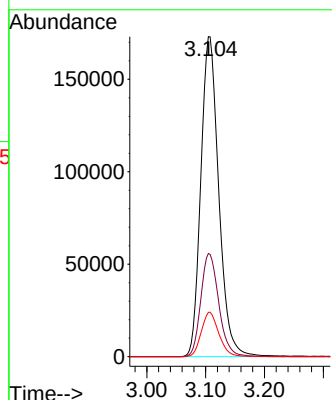
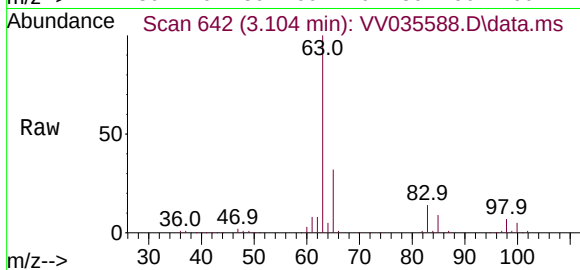
Tgt Ion: 63 Resp: 366672

Ion Ratio Lower Upper

63 100

65 32.2 21.8 40.4

83 13.8 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 54.813 ug/L

RT: 3.809 min Scan# 861

Delta R.T. -0.000 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

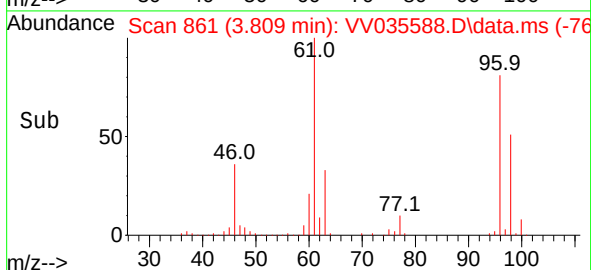
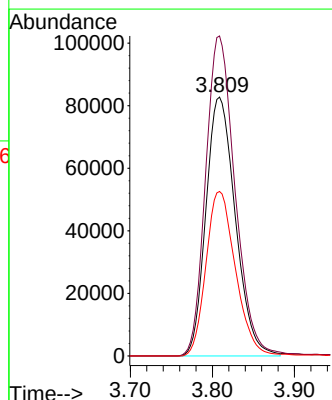
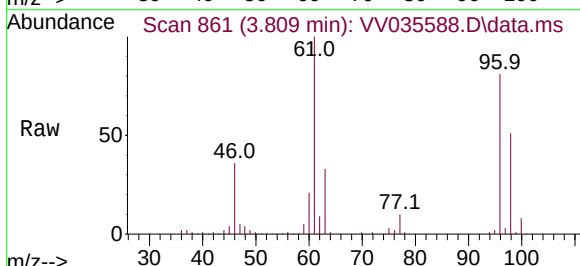
Tgt Ion: 96 Resp: 206670

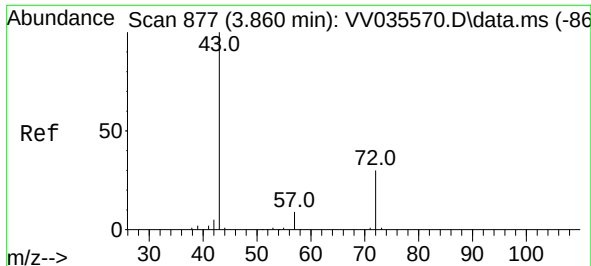
Ion Ratio Lower Upper

96 100

61 123.6 84.0 156.0

98 63.5 44.9 83.5





#22

2-Butanone

Concen: 104.970 ug/L

RT: 3.860 min Scan# 81

Delta R.T. -0.000 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

Instrument :

MSVOA\_V

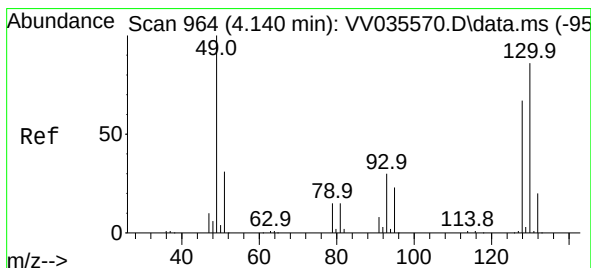
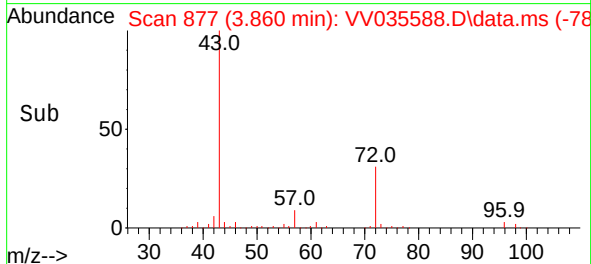
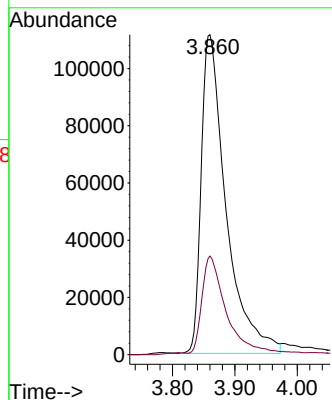
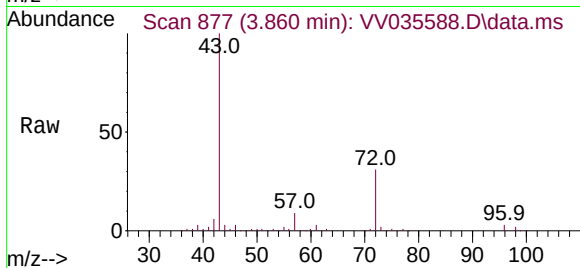
ClientSampleId :

Tgt Ion: 43 Resp: 308418

Ion Ratio Lower Upper

43 100

72 29.5 14.4 43.0



#23

Bromochloromethane

Concen: 54.816 ug/L

RT: 4.143 min Scan# 965

Delta R.T. 0.003 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

Tgt Ion:128 Resp: 113037

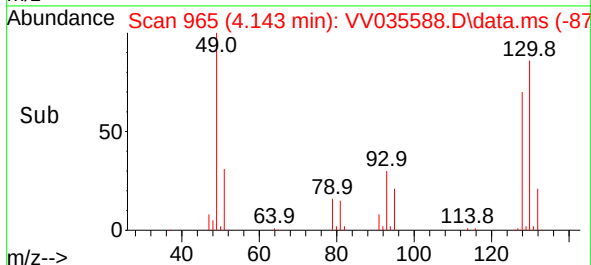
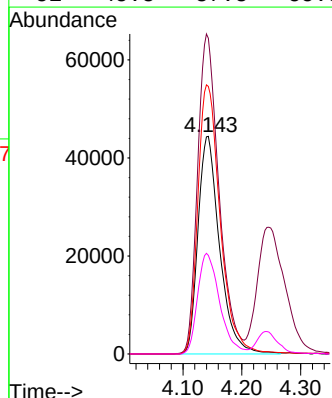
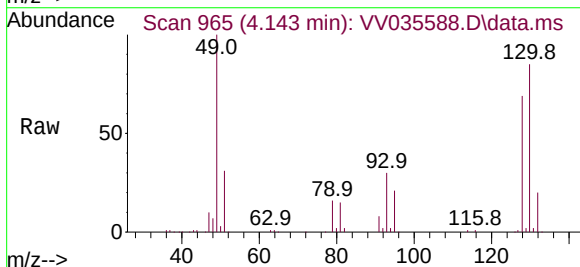
Ion Ratio Lower Upper

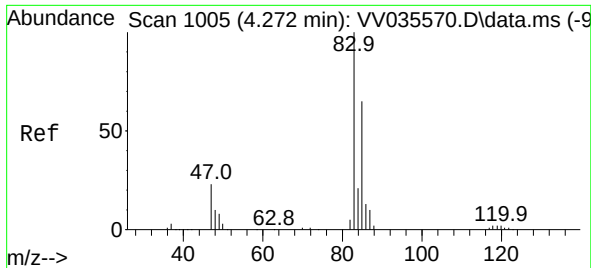
128 100

49 145.1 102.0 189.4

130 123.0 91.5 169.9

51 45.3 37.3 55.9





#25

Chloroform

Concen: 56.208 ug/L

RT: 4.268 min Scan# 1004

Delta R.T. -0.003 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

Instrument :

MSVOA\_V

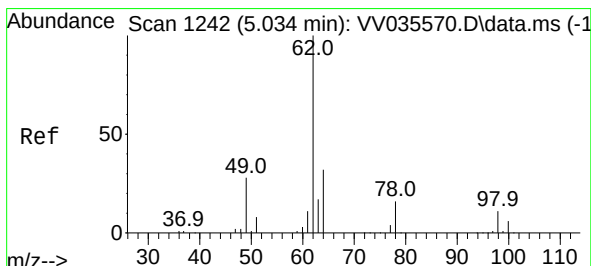
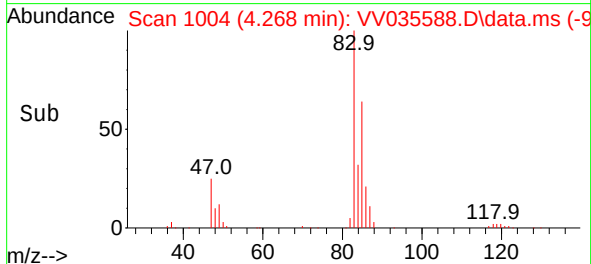
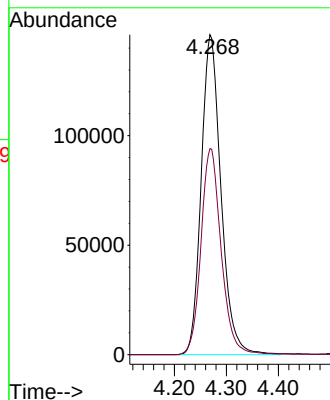
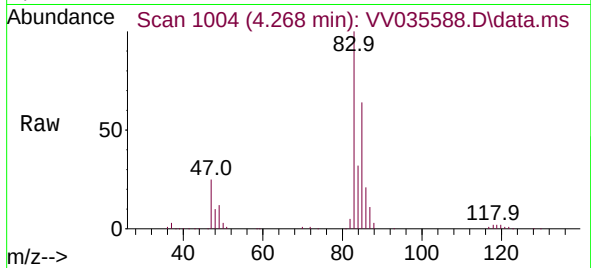
ClientSampleId :

Tgt Ion: 83 Resp: 386198

Ion Ratio Lower Upper

83 100

85 64.4 45.8 85.2



#27

1,2-Dichloroethane

Concen: 58.080 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. -0.000 min

Lab File: VV035588.D

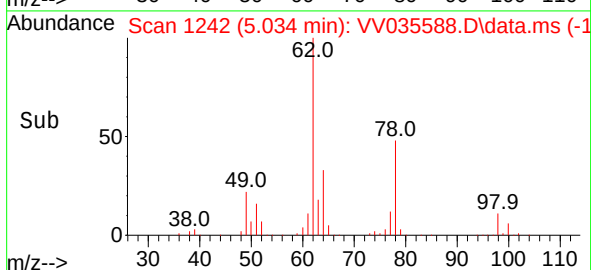
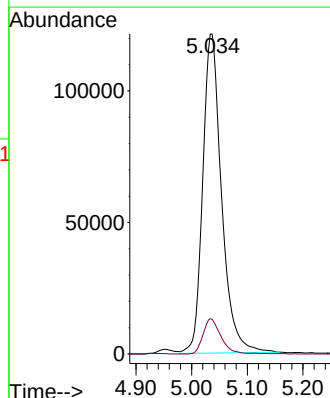
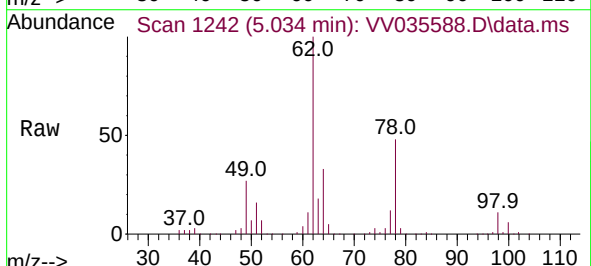
Acq: 13 May 2024 09:10

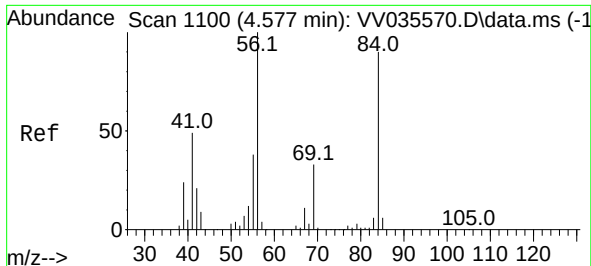
Tgt Ion: 62 Resp: 285597

Ion Ratio Lower Upper

62 100

98 11.0 8.2 12.2





#29

Cyclohexane

Concen: 54.551 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. -0.000 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

Instrument :

MSVOA\_V

ClientSampleId :

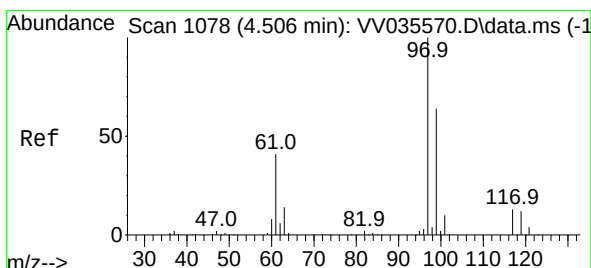
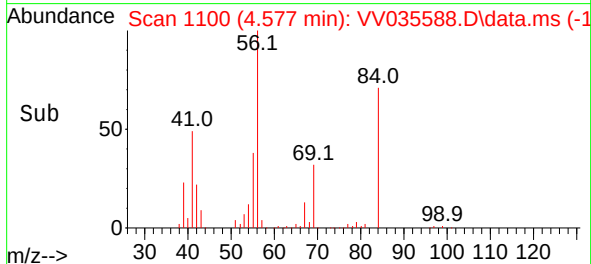
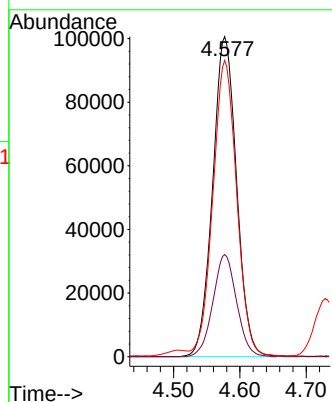
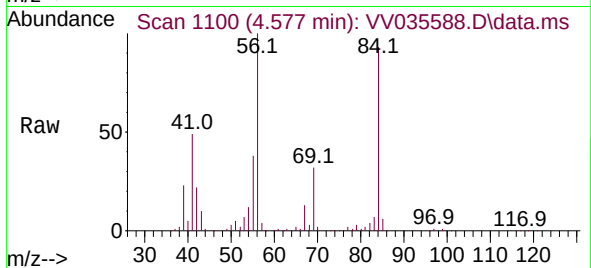
Tgt Ion: 56 Resp: 251910

Ion Ratio Lower Upper

56 100

69 31.6 25.5 38.3

84 91.9 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 54.542 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

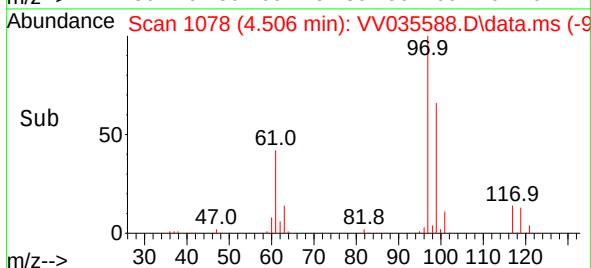
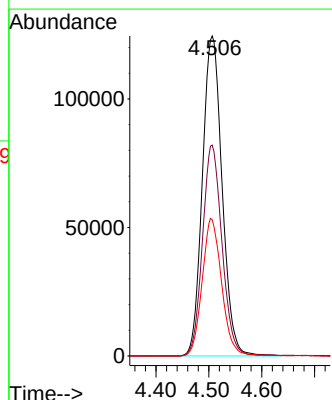
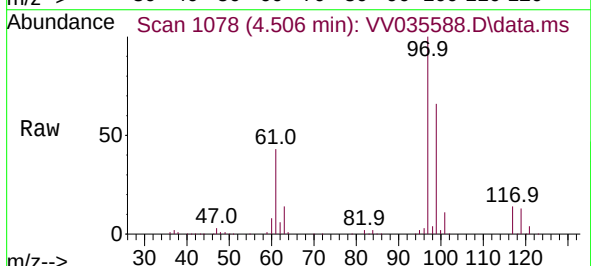
Tgt Ion: 97 Resp: 322848

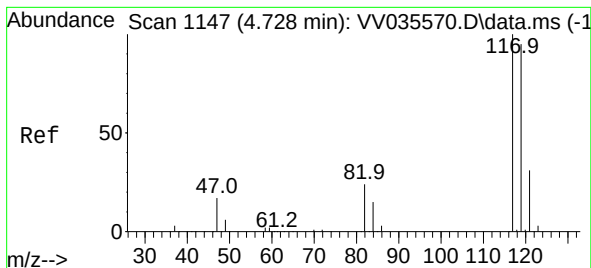
Ion Ratio Lower Upper

97 100

99 65.1 51.9 77.9

61 42.1 34.1 51.1





#31

Carbon tetrachloride

Concen: 54.896 ug/L

RT: 4.728 min Scan# 1147

Delta R.T. -0.000 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

Instrument :

MSVOA\_V

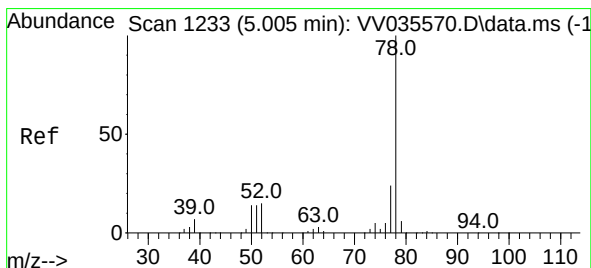
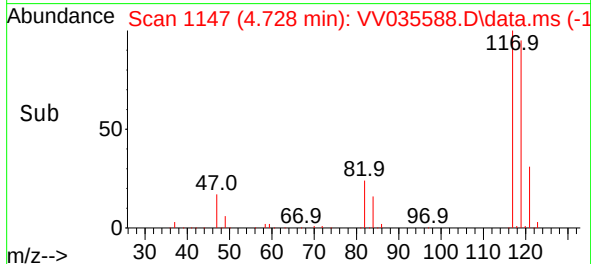
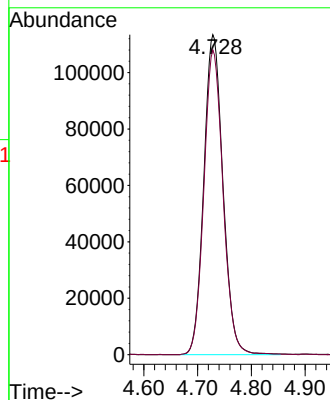
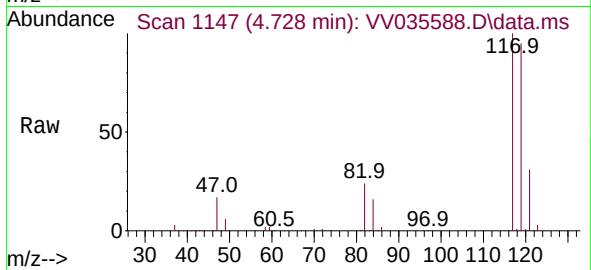
ClientSampleId :

Tgt Ion:117 Resp: 280963

Ion Ratio Lower Upper

117 100

119 94.9 76.5 114.7



#33

Benzene

Concen: 55.478 ug/L

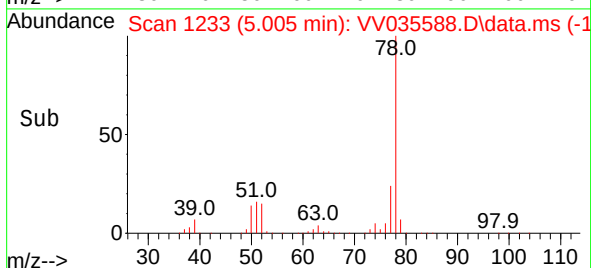
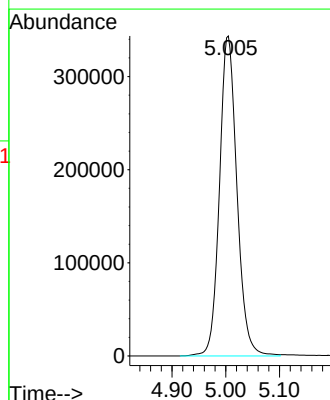
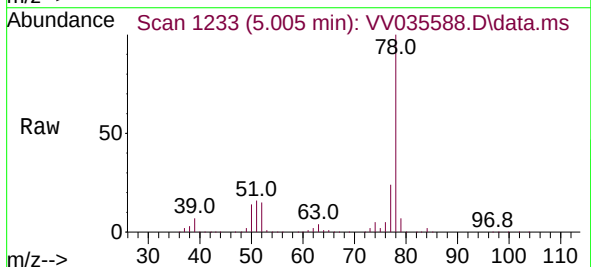
RT: 5.005 min Scan# 1233

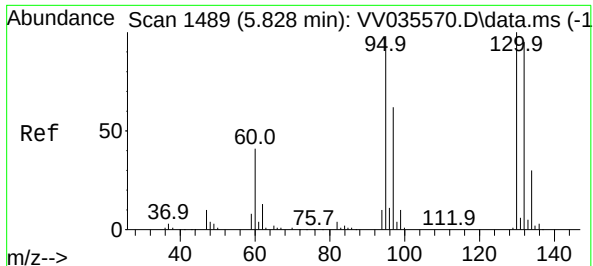
Delta R.T. -0.000 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

Tgt Ion: 78 Resp: 774857





#34

Trichloroethene

Concen: 58.988 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 95 Resp: 219247

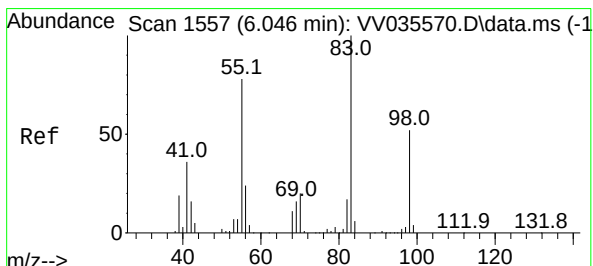
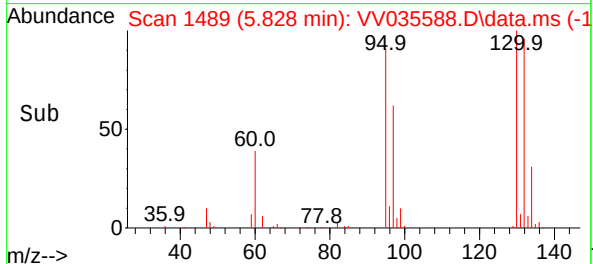
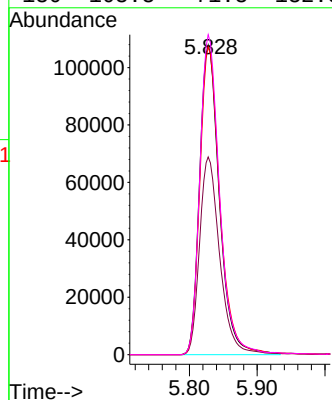
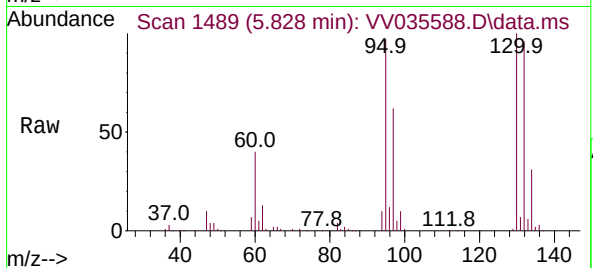
Ion Ratio Lower Upper

95 100

97 63.8 45.1 83.9

132 99.4 69.4 128.8

130 103.3 71.3 132.3



#35

Methylcyclohexane

Concen: 55.345 ug/L

RT: 6.046 min Scan# 1557

Delta R.T. -0.000 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

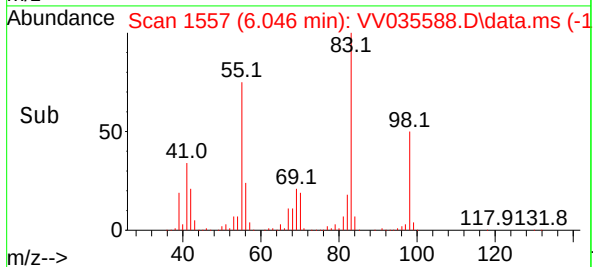
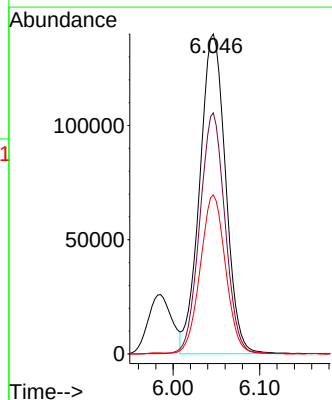
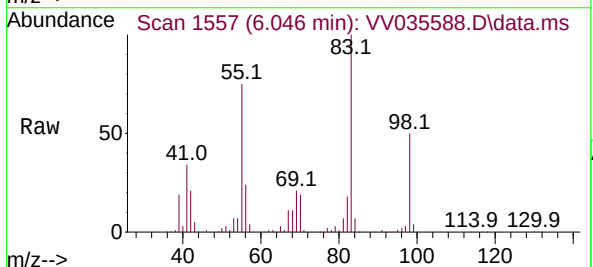
Tgt Ion: 83 Resp: 290193

Ion Ratio Lower Upper

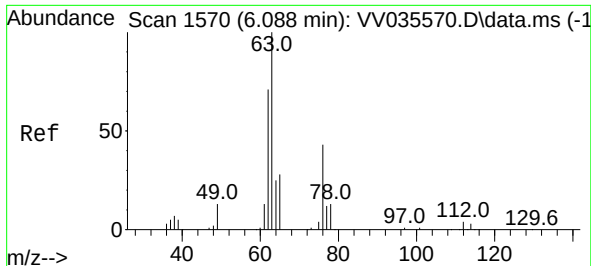
83 100

55 73.8 57.5 86.3

98 49.0 38.9 58.3



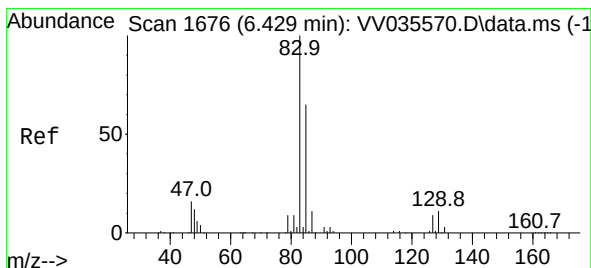
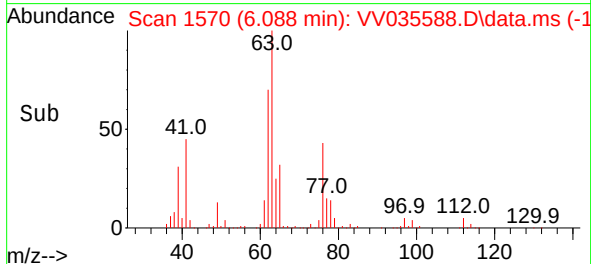
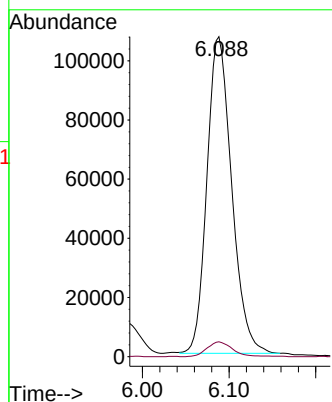
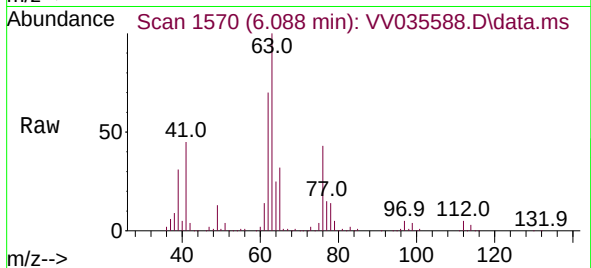




#37  
1,2-Dichloropropane  
Concen: 55.292 ug/L  
RT: 6.088 min Scan# 1570  
Delta R.T. -0.000 min  
Lab File: VV035588.D  
Acq: 13 May 2024 09:10

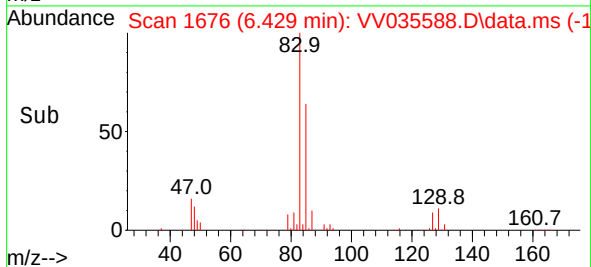
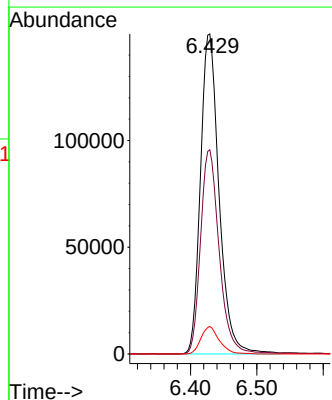
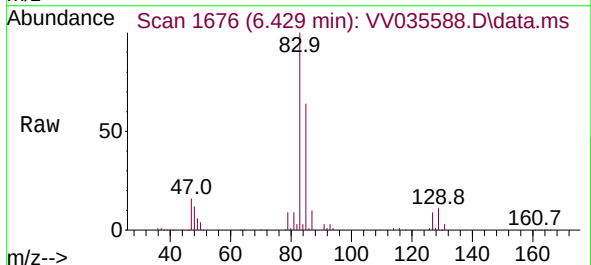
Instrument :  
MSVOA\_V  
ClientSampleId :

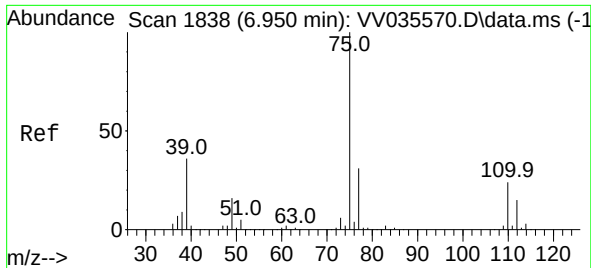
Tgt Ion: 63 Resp: 212178  
Ion Ratio Lower Upper  
63 100  
112 4.8 3.4 5.2



#38  
Bromodichloromethane  
Concen: 55.375 ug/L  
RT: 6.429 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VV035588.D  
Acq: 13 May 2024 09:10

Tgt Ion: 83 Resp: 292347  
Ion Ratio Lower Upper  
83 100  
85 63.8 45.1 83.9  
127 8.6 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 55.564 ug/L

RT: 6.950 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

Instrument :

MSVOA\_V

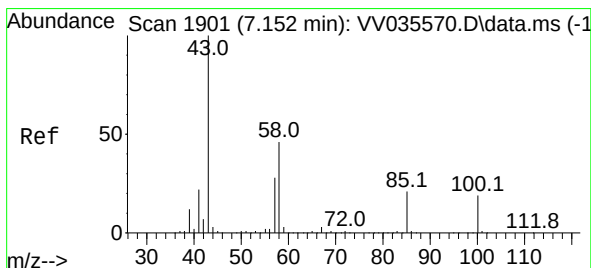
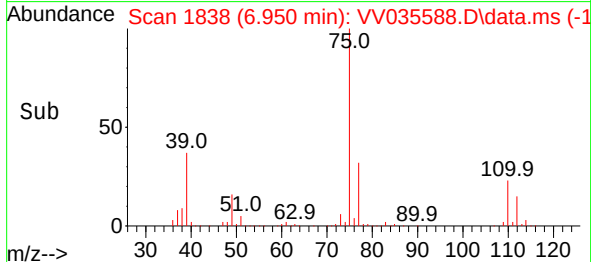
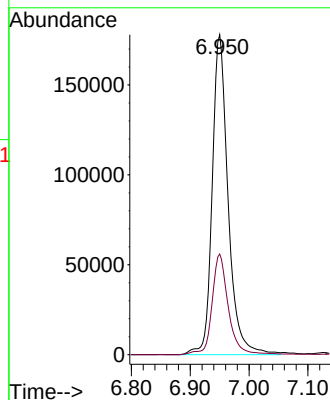
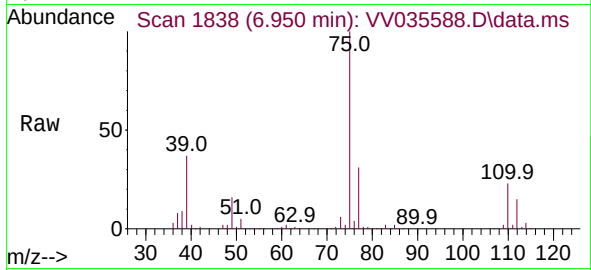
ClientSampleId :

Tgt Ion: 75 Resp: 334720

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 103.109 ug/L

RT: 7.152 min Scan# 1901

Delta R.T. -0.000 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

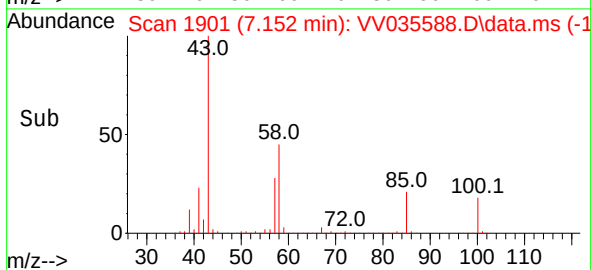
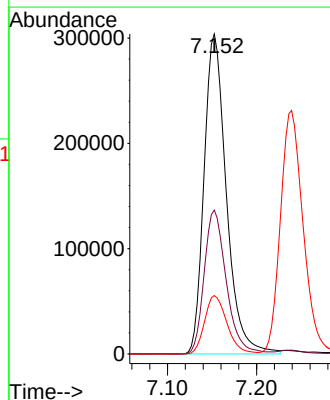
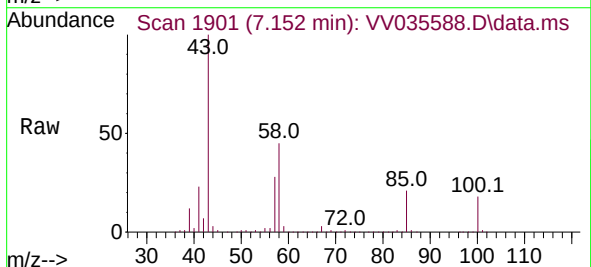
Tgt Ion: 43 Resp: 528163

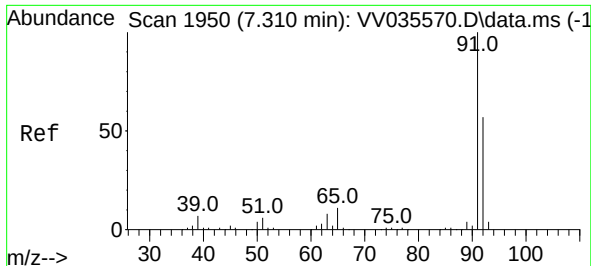
Ion Ratio Lower Upper

43 100

58 44.7 36.1 54.1

100 18.3 15.0 22.4





#42

Toluene

Concen: 56.743 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

Instrument :

MSVOA\_V

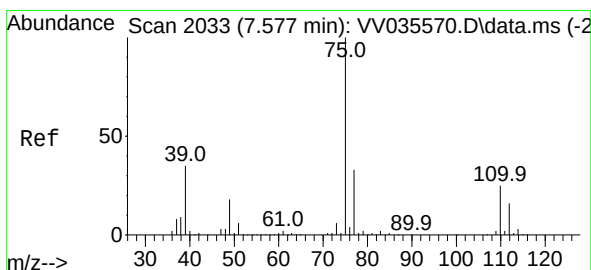
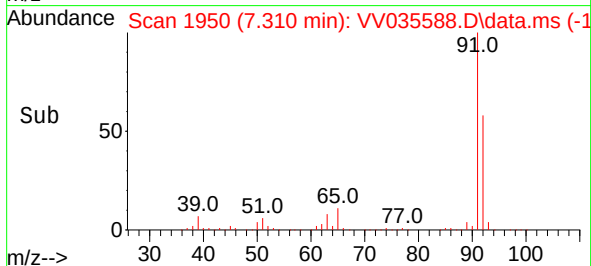
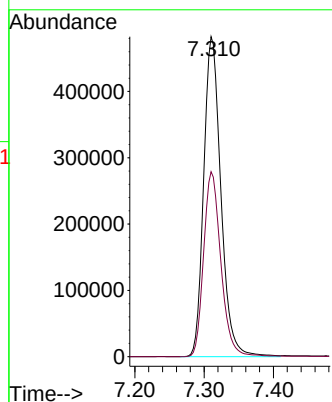
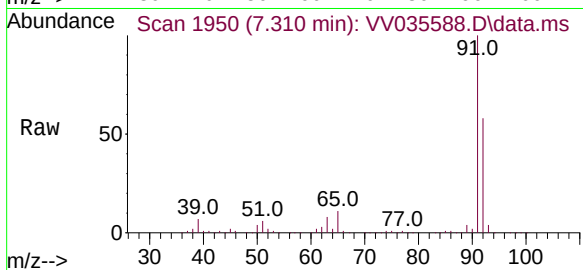
ClientSampleId :

Tgt Ion: 91 Resp: 831432

Ion Ratio Lower Upper

91 100

92 57.8 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 56.257 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV035588.D

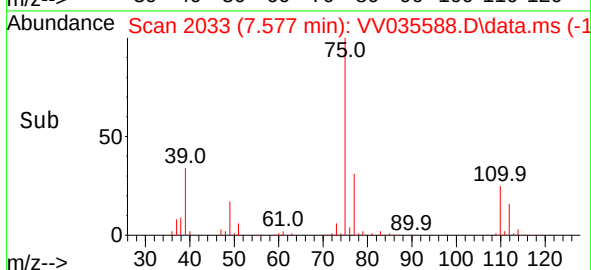
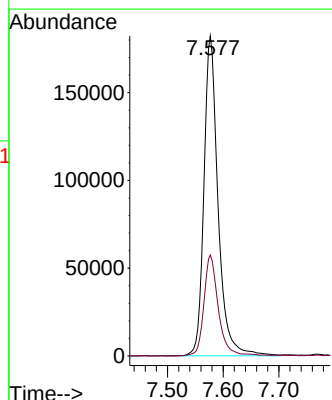
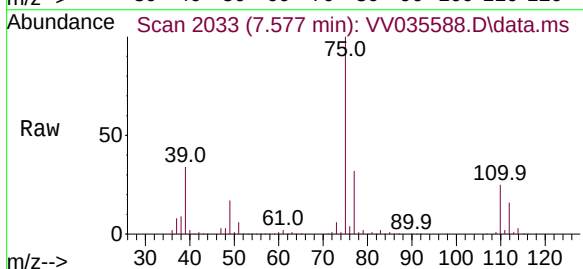
Acq: 13 May 2024 09:10

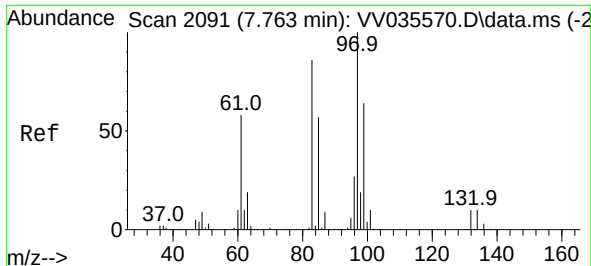
Tgt Ion: 75 Resp: 321897

Ion Ratio Lower Upper

75 100

77 31.5 22.4 41.6



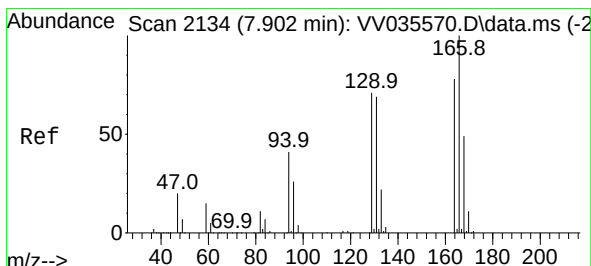
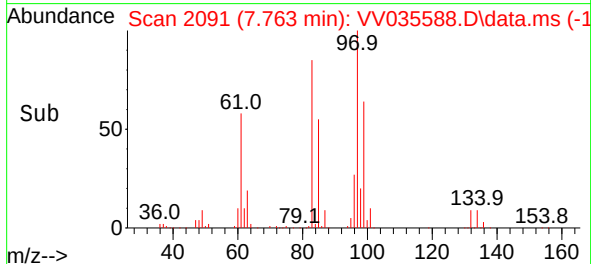
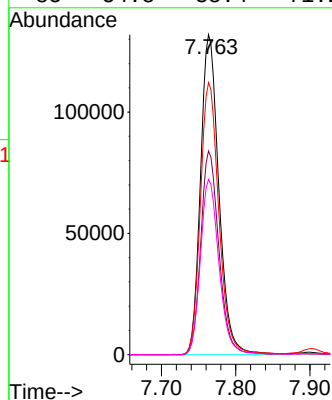
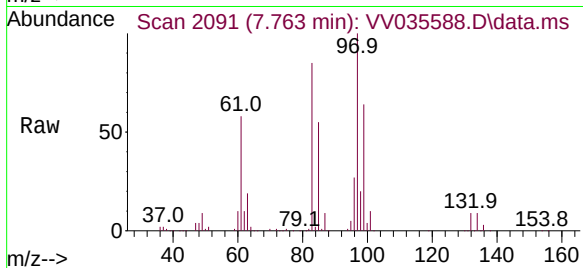


#45  
1,1,2-Trichloroethane  
Concen: 55.244 ug/L  
RT: 7.763 min Scan# 2091  
Delta R.T. -0.000 min  
Lab File: VV035588.D  
Acq: 13 May 2024 09:10

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 97 Resp: 226729

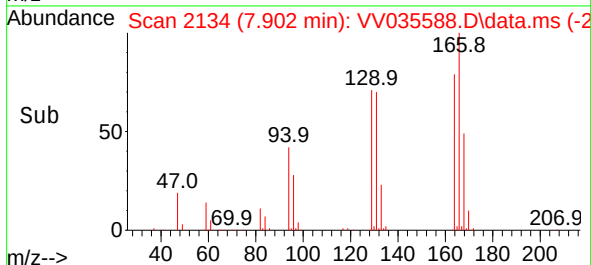
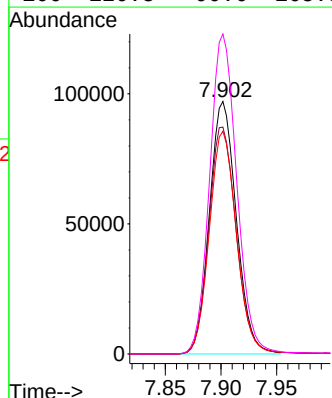
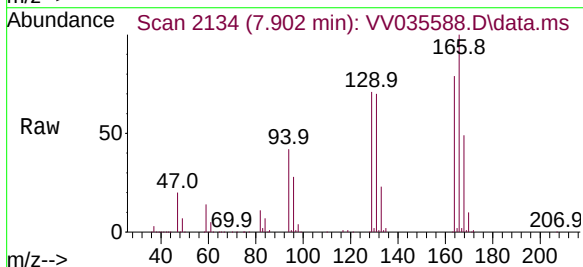
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 63.6  | 44.2  | 82.2  |
| 83  | 85.0  | 59.3  | 110.1 |
| 85  | 54.8  | 38.4  | 71.2  |

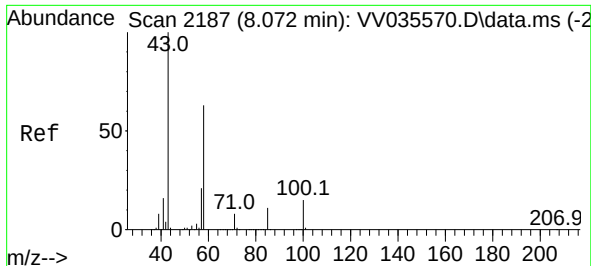


#46  
Tetrachloroethene  
Concen: 54.413 ug/L  
RT: 7.902 min Scan# 2134  
Delta R.T. -0.000 min  
Lab File: VV035588.D  
Acq: 13 May 2024 09:10

Tgt Ion: 164 Resp: 163347

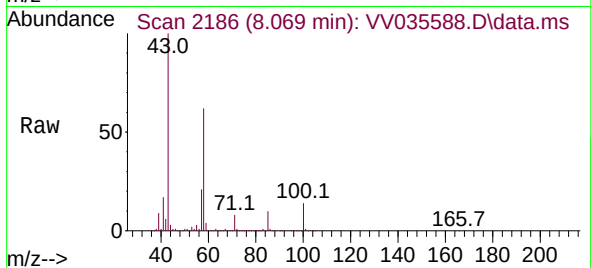
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 89.9  | 64.7  | 120.1 |
| 131 | 88.2  | 61.5  | 114.1 |
| 166 | 126.8 | 90.6  | 168.3 |



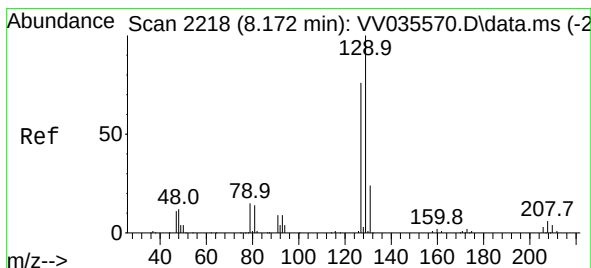
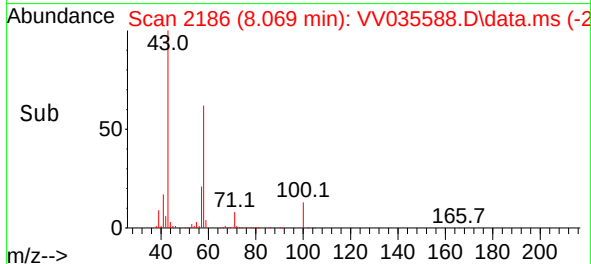
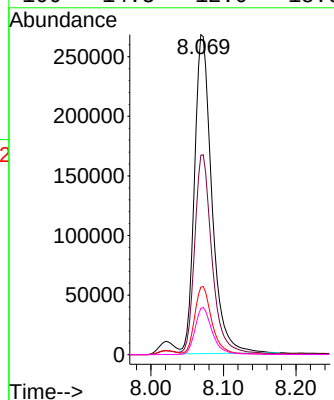


#48  
2-Hexanone  
Concen: 107.101 ug/L  
RT: 8.069 min Scan# 2186  
Delta R.T. -0.003 min  
Lab File: VV035588.D  
Acq: 13 May 2024 09:10

Instrument :  
MSVOA\_V  
ClientSampleId :

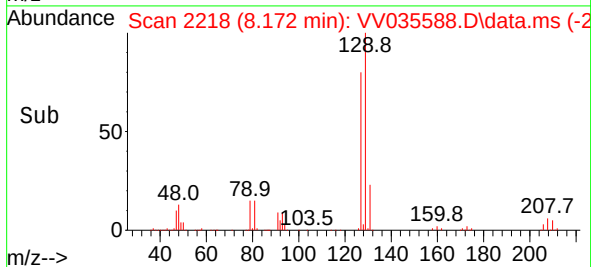
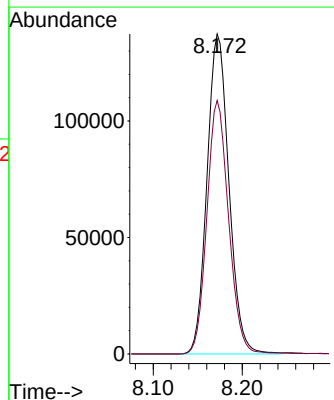
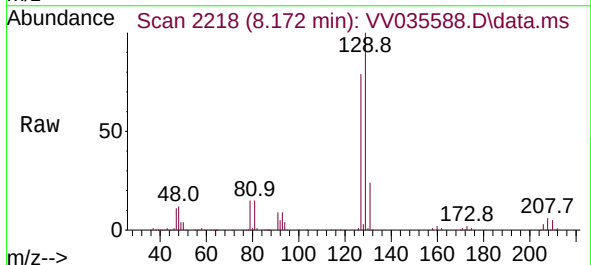


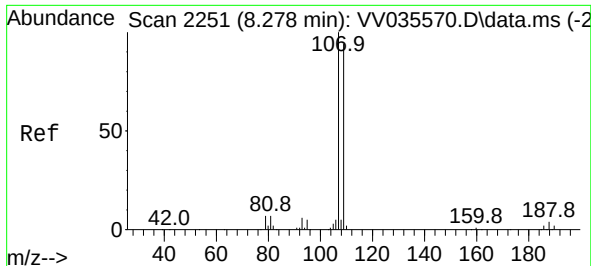
Tgt Ion: 43 Resp: 446378  
Ion Ratio Lower Upper  
43 100  
58 62.0 50.8 76.2  
57 21.0 17.6 26.4  
100 14.3 12.0 18.0



#49  
Dibromochloromethane  
Concen: 54.542 ug/L  
RT: 8.172 min Scan# 2218  
Delta R.T. -0.000 min  
Lab File: VV035588.D  
Acq: 13 May 2024 09:10

Tgt Ion:129 Resp: 234314  
Ion Ratio Lower Upper  
129 100  
127 79.2 54.3 100.8





#50

1,2-Dibromoethane

Concen: 54.437 ug/L

RT: 8.278 min Scan# 21

Delta R.T. -0.000 min

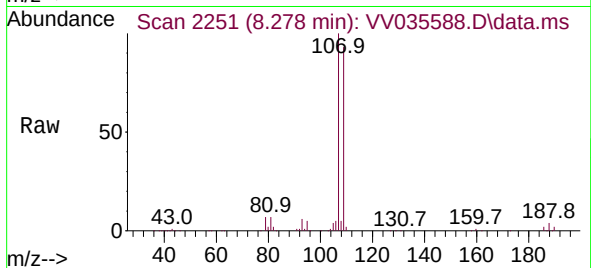
Lab File: VV035588.D

Acq: 13 May 2024 09:10

Instrument :

MSVOA\_V

ClientSampleId :



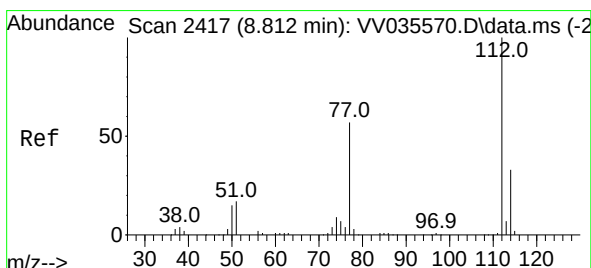
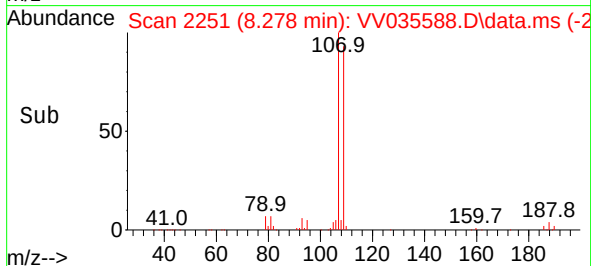
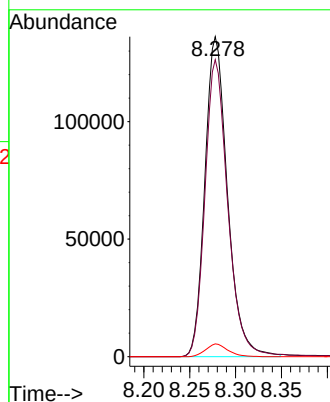
Tgt Ion:107 Resp: 233415

Ion Ratio Lower Upper

107 100

109 92.8 65.7 122.1

188 4.0 3.1 4.7



#51

Chlorobenzene

Concen: 54.140 ug/L

RT: 8.808 min Scan# 2416

Delta R.T. -0.003 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

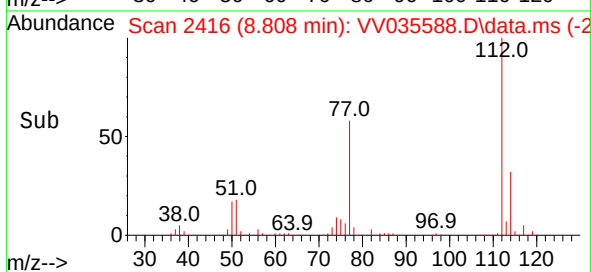
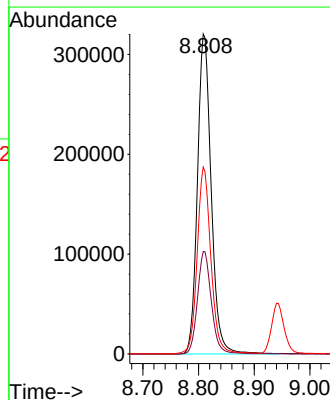
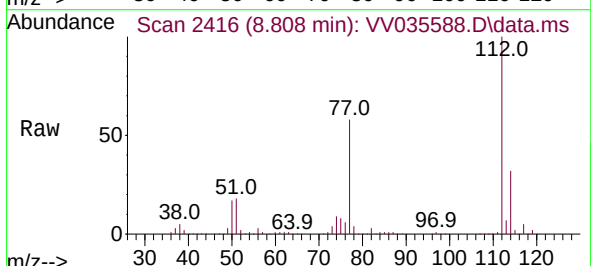
Tgt Ion:112 Resp: 550695

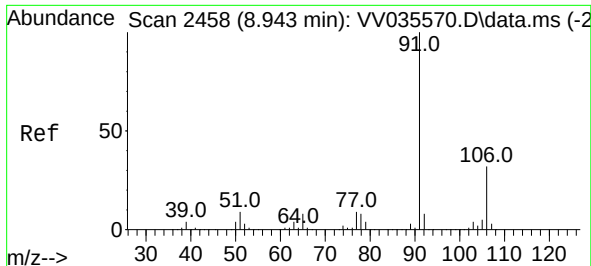
Ion Ratio Lower Upper

112 100

114 32.0 22.4 41.6

77 58.4 45.9 68.9





#52

Ethylbenzene

Concen: 56.866 ug/L

RT: 8.943 min Scan# 2458

Delta R.T. -0.000 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

Instrument :

MSVOA\_V

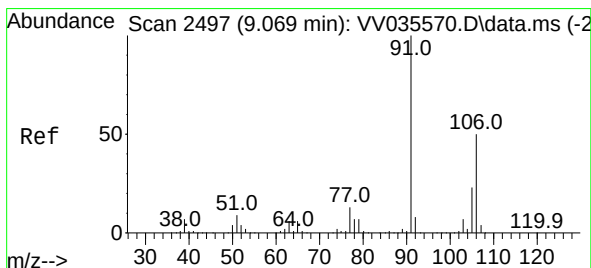
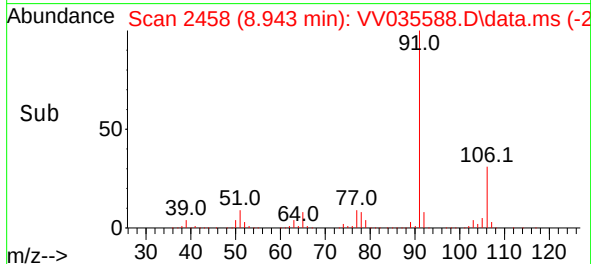
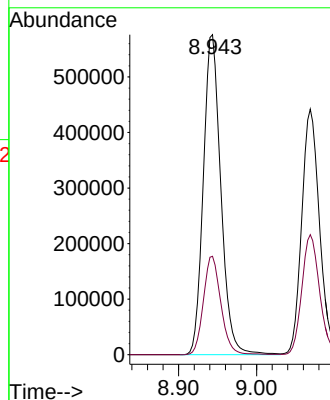
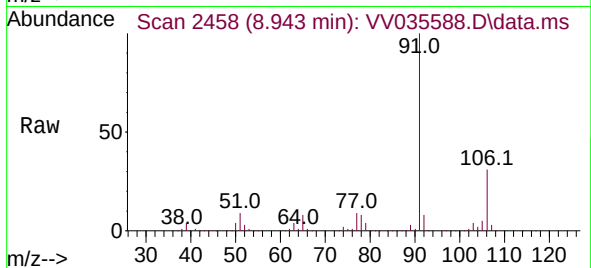
ClientSampleId :

Tgt Ion: 91 Resp: 900180

Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.0



#53

m,p-Xylene

Concen: 58.582 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. -0.000 min

Lab File: VV035588.D

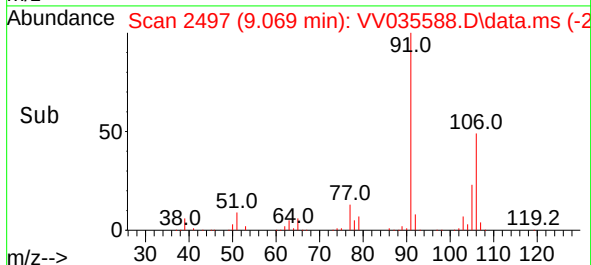
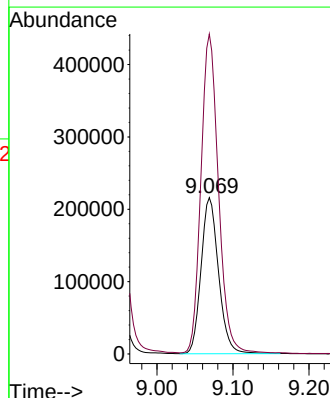
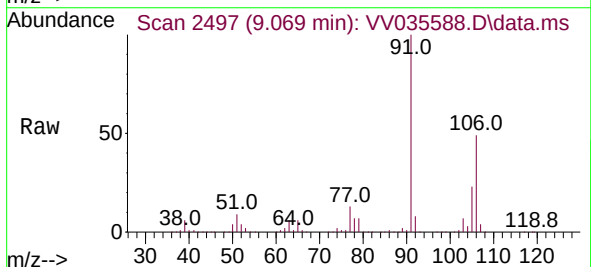
Acq: 13 May 2024 09:10

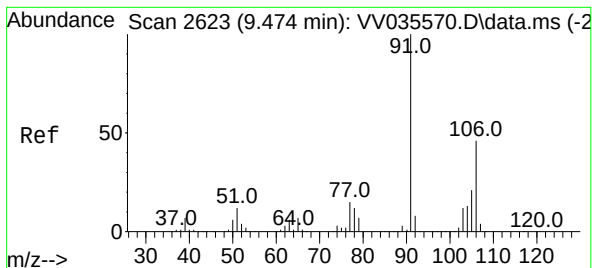
Tgt Ion:106 Resp: 344022

Ion Ratio Lower Upper

106 100

91 204.8 144.8 268.8





#54

o-Xylene

Concen: 56.854 ug/L

RT: 9.474 min Scan# 2

Delta R.T. -0.000 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

Instrument :

MSVOA\_V

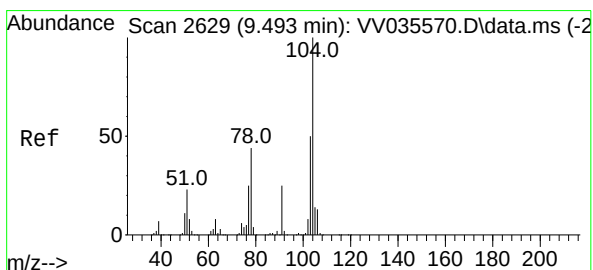
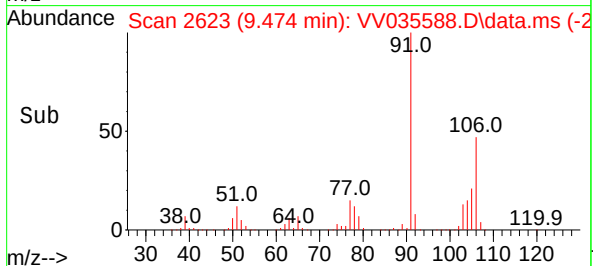
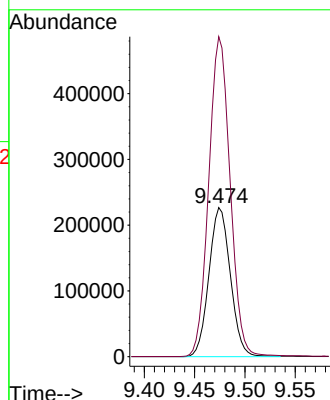
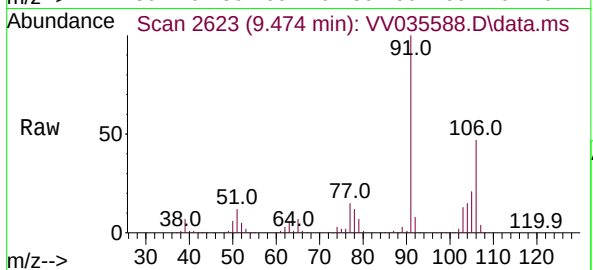
ClientSampleId :

Tgt Ion:106 Resp: 336431

Ion Ratio Lower Upper

106 100

91 214.6 149.9 278.3



#55

Styrene

Concen: 59.765 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. -0.000 min

Lab File: VV035588.D

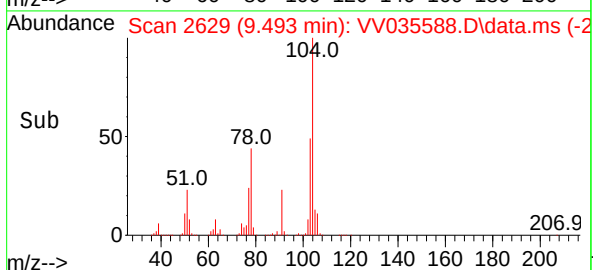
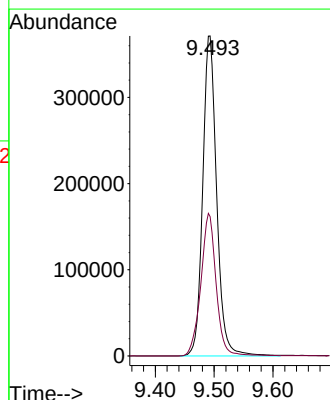
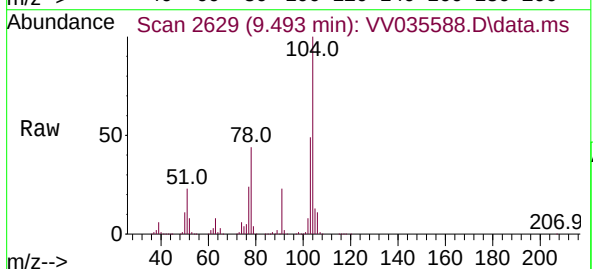
Acq: 13 May 2024 09:10

Tgt Ion:104 Resp: 611229

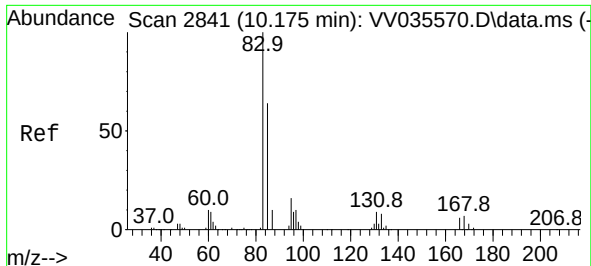
Ion Ratio Lower Upper

104 100

78 43.5 29.9 55.5



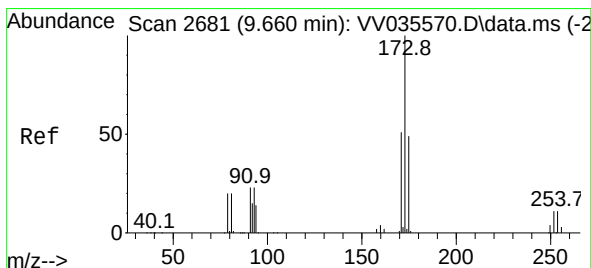
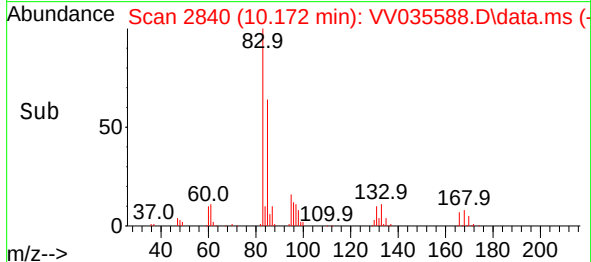
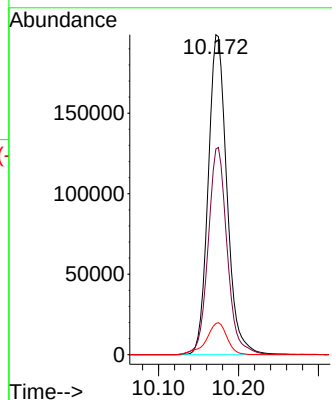
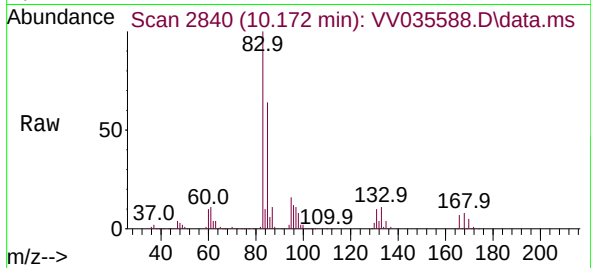




#57  
1,1,2,2-Tetrachloroethane  
Concen: 46.062 ug/L  
RT: 10.172 min Scan# 2840  
Delta R.T. -0.003 min  
Lab File: VV035588.D  
Acq: 13 May 2024 09:10

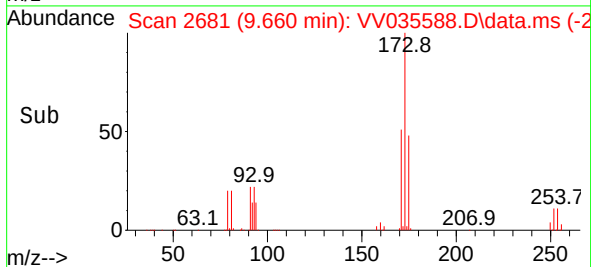
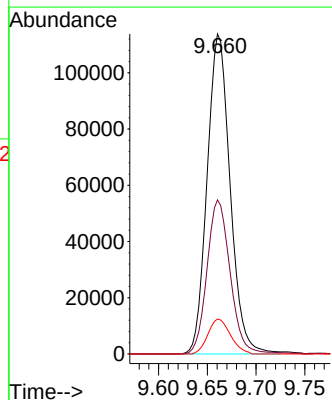
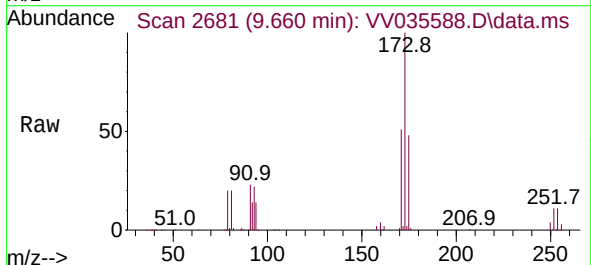
Instrument :  
MSVOA\_V  
ClientSampleId :

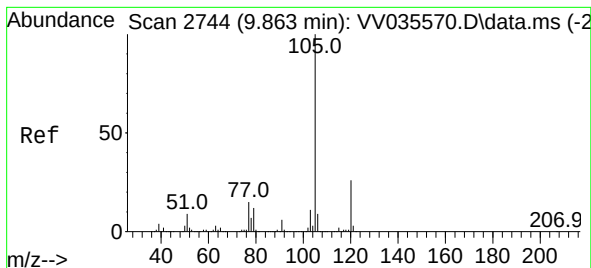
Tgt Ion: 83 Resp: 323452  
Ion Ratio Lower Upper  
83 100  
85 64.3 44.9 83.5  
131 9.8 8.1 12.1



#59  
Bromoform  
Concen: 51.554 ug/L  
RT: 9.660 min Scan# 2681  
Delta R.T. -0.000 min  
Lab File: VV035588.D  
Acq: 13 May 2024 09:10

Tgt Ion: 173 Resp: 186770  
Ion Ratio Lower Upper  
173 100  
175 48.4 39.0 58.6  
254 10.6 8.5 12.7





#60

Isopropylbenzene

Concen: 56.526 ug/L

RT: 9.863 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

Instrument :

MSVOA\_V

ClientSampleId :

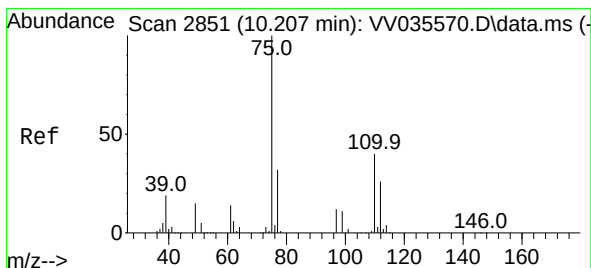
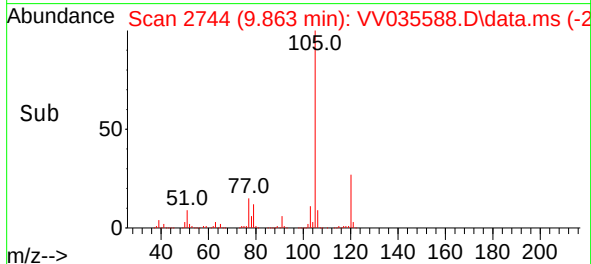
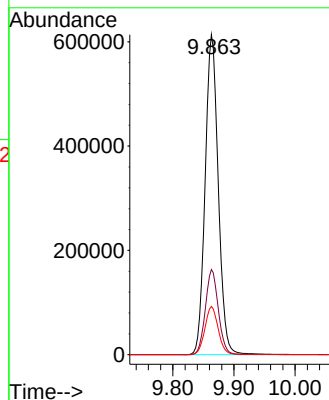
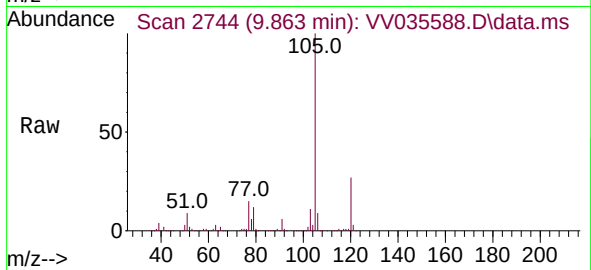
Tgt Ion:105 Resp: 914272

Ion Ratio Lower Upper

105 100

120 26.4 21.5 32.3

77 15.2 12.3 18.5



#61

1,2,3-Trichloropropane

Concen: 50.847 ug/L

RT: 10.204 min Scan# 2850

Delta R.T. -0.003 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

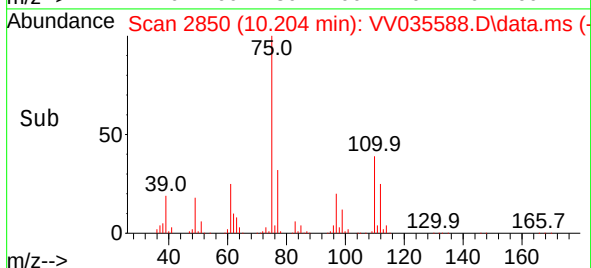
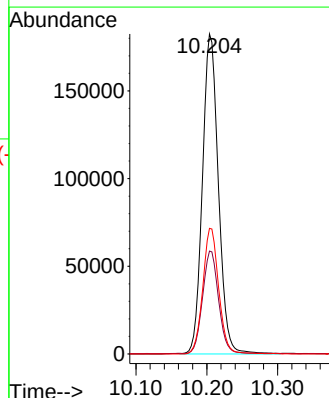
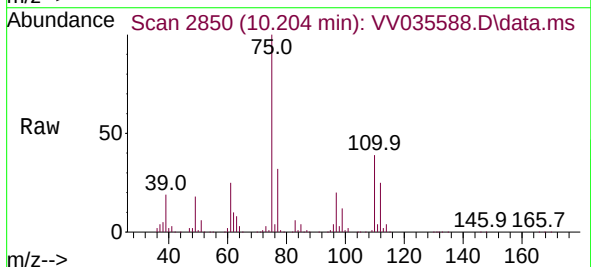
Tgt Ion: 75 Resp: 285715

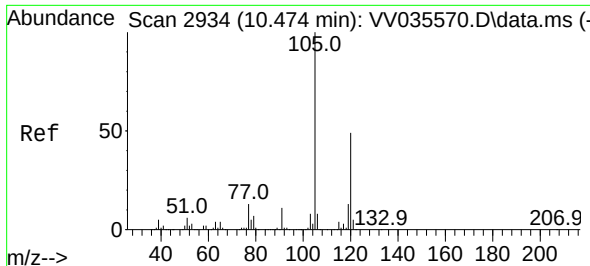
Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.6

110 39.0 31.6 47.4





#62

1,3,5-Trimethylbenzene

Concen: 57.288 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

Instrument :

MSVOA\_V

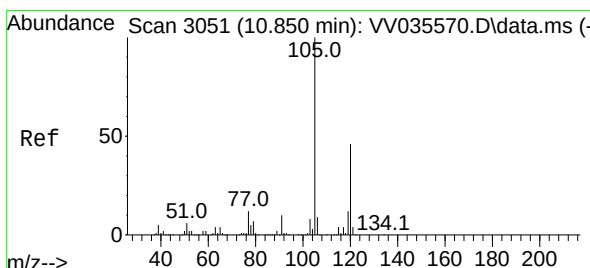
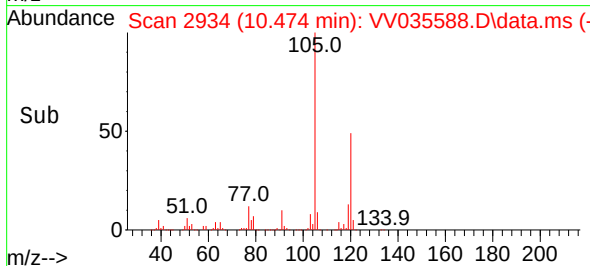
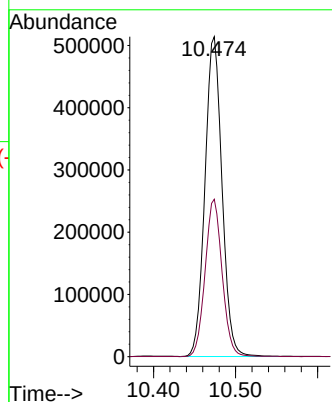
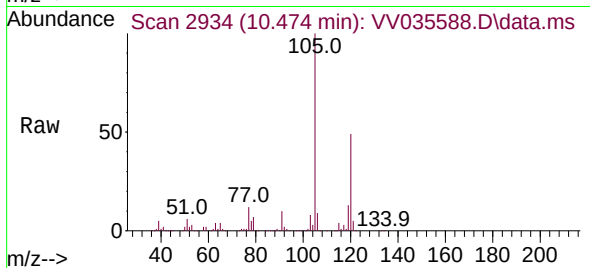
ClientSampleId :

Tgt Ion:105 Resp: 741591

Ion Ratio Lower Upper

105 100

120 49.1 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 57.638 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. -0.003 min

Lab File: VV035588.D

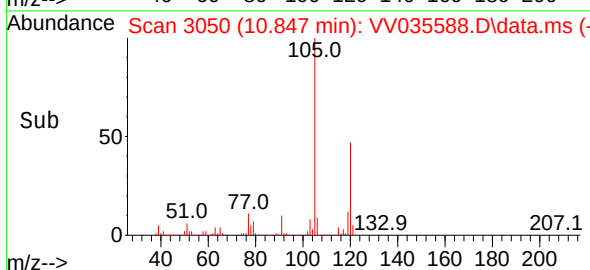
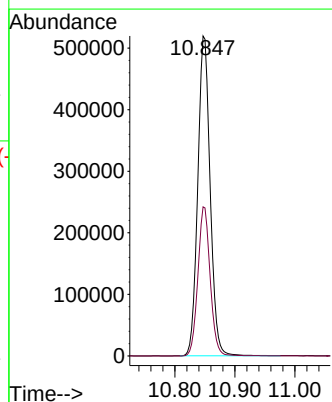
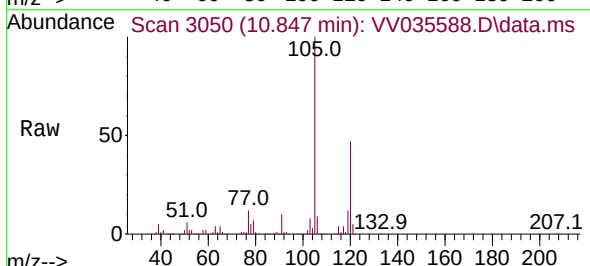
Acq: 13 May 2024 09:10

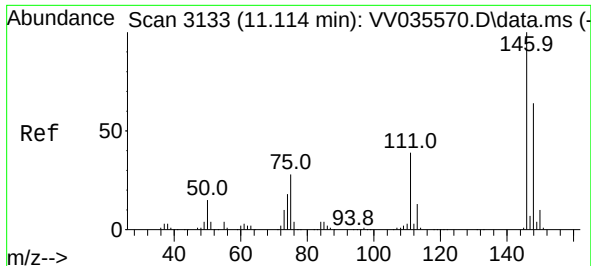
Tgt Ion:105 Resp: 748153

Ion Ratio Lower Upper

105 100

120 46.2 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 54.783 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

Instrument :

MSVOA\_V

ClientSampleId :

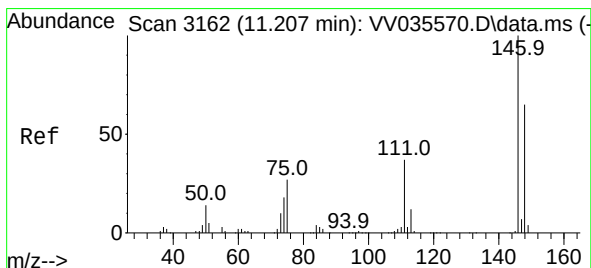
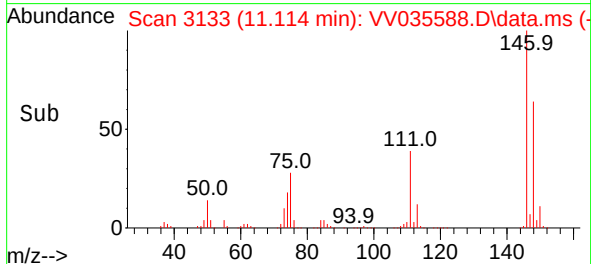
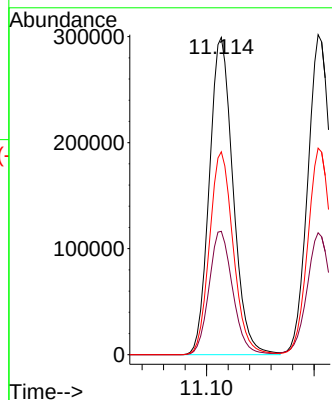
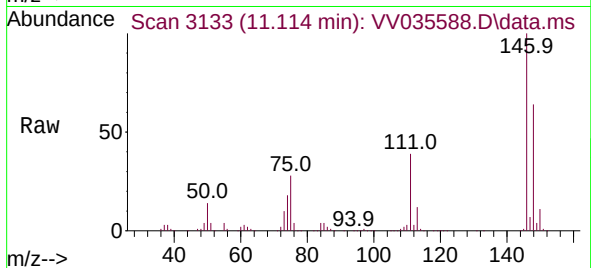
Tgt Ion:146 Resp: 458831

Ion Ratio Lower Upper

146 100

111 38.9 27.9 51.7

148 63.9 45.1 83.9



#65

1,4-Dichlorobenzene

Concen: 53.106 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. -0.003 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

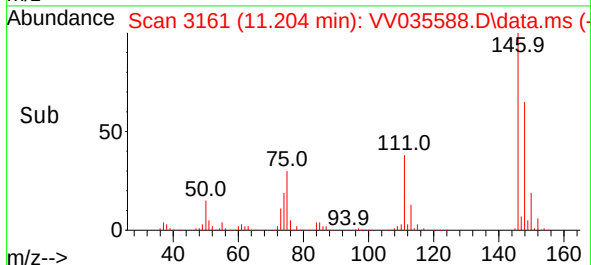
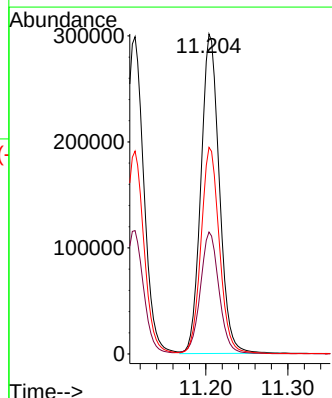
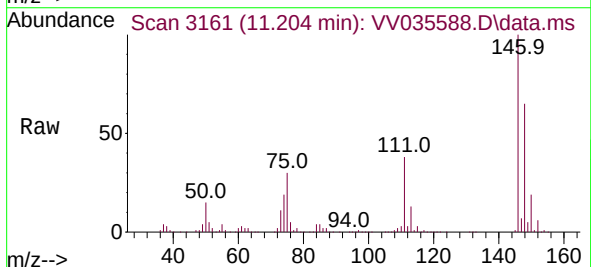
Tgt Ion:146 Resp: 469335

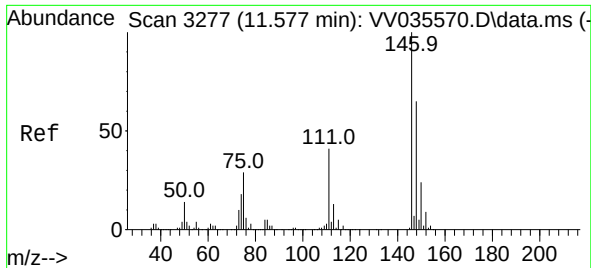
Ion Ratio Lower Upper

146 100

111 38.1 26.4 49.0

148 64.6 44.3 82.3

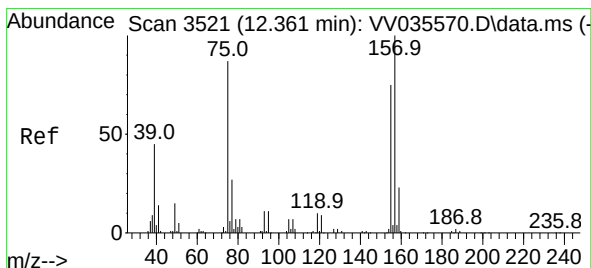
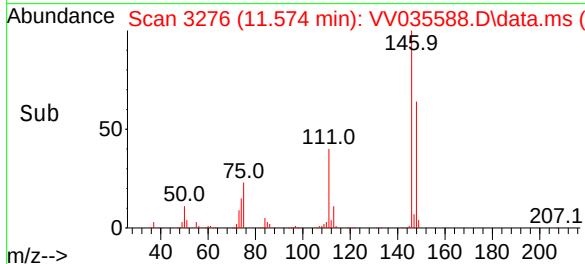
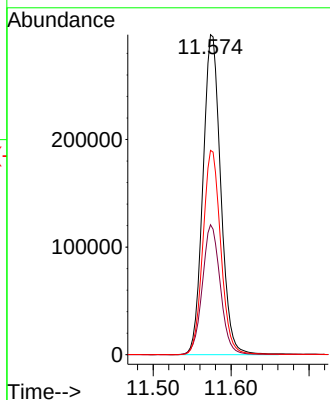
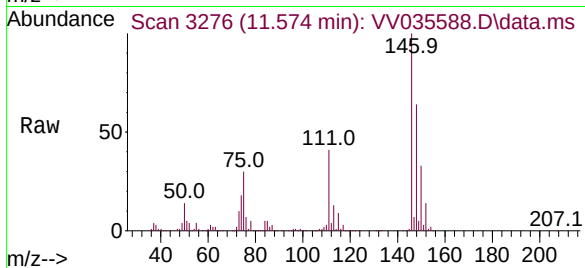




#67  
1,2-Dichlorobenzene  
Concen: 53.774 ug/L  
RT: 11.574 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VV035588.D  
Acq: 13 May 2024 09:10

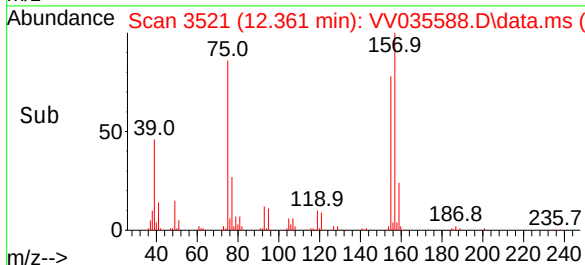
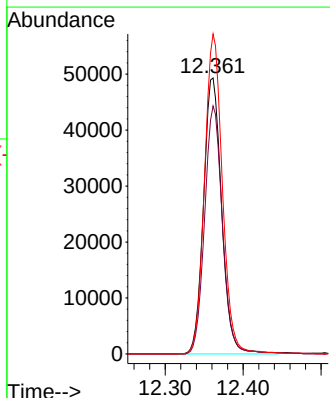
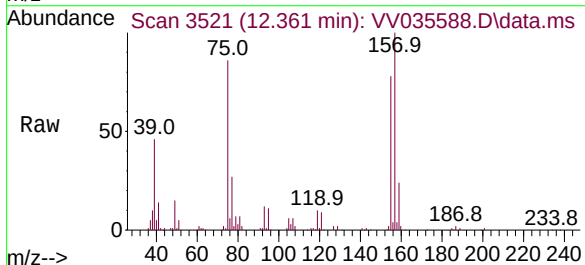
Instrument :  
MSVOA\_V  
ClientSampleId :

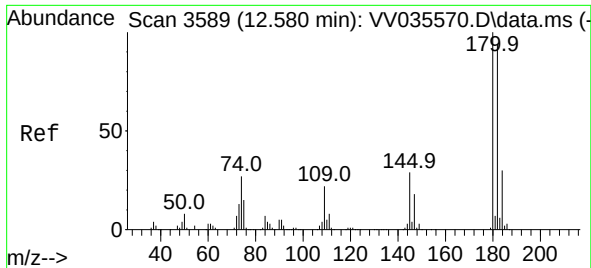
Tgt Ion:146 Resp: 471204  
Ion Ratio Lower Upper  
146 100  
111 40.6 32.1 48.1  
148 63.8 51.5 77.3



#68  
1,2-Dibromo-3-chloropropane  
Concen: 48.060 ug/L  
RT: 12.361 min Scan# 3521  
Delta R.T. -0.000 min  
Lab File: VV035588.D  
Acq: 13 May 2024 09:10

Tgt Ion: 75 Resp: 79532  
Ion Ratio Lower Upper  
75 100  
155 89.9 71.4 107.2  
157 115.9 95.0 142.4





#69

1,3,5-Trichlorobenzene

Concen: 54.998 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

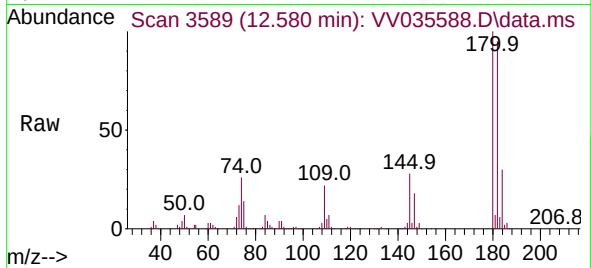
Lab File: VV035588.D

Acq: 13 May 2024 09:10

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 349634

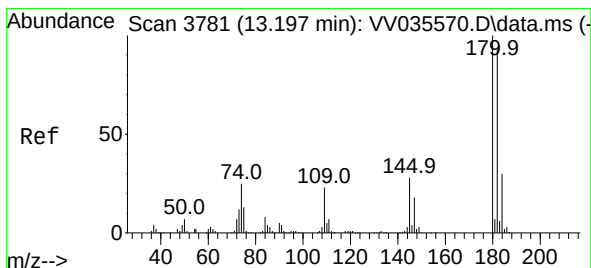
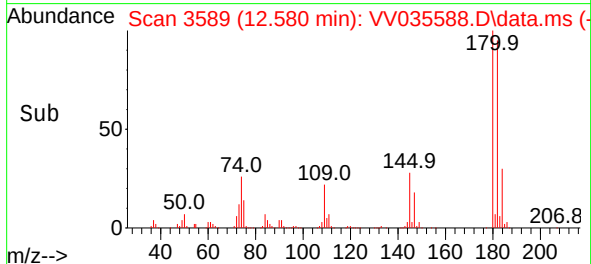
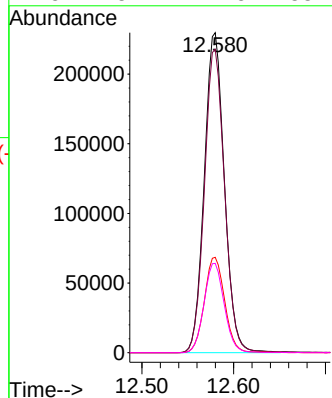
Ion Ratio Lower Upper

180 100

182 95.1 75.7 113.5

184 30.2 24.1 36.1

145 28.1 22.5 33.7



#70

1,2,4-trichlorobenzene

Concen: 55.797 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.003 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

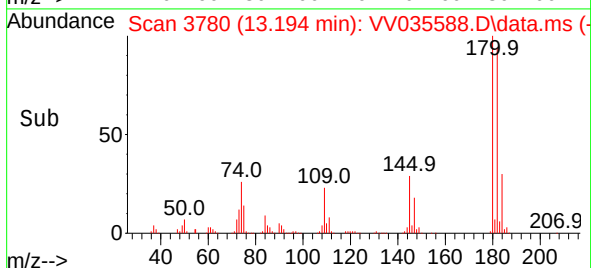
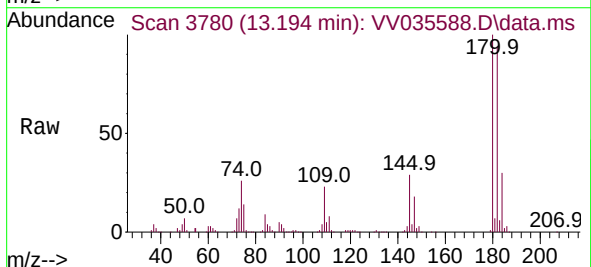
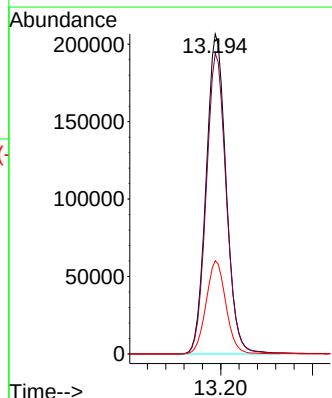
Tgt Ion:180 Resp: 312481

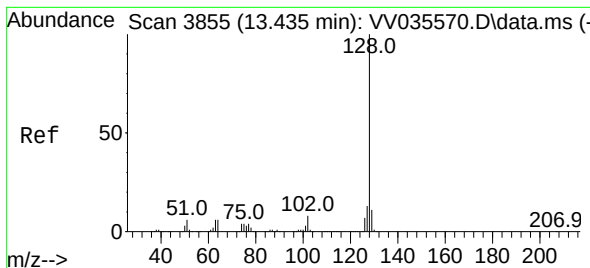
Ion Ratio Lower Upper

180 100

182 94.3 75.7 113.5

145 29.0 23.0 34.4





#71

Naphthalene

Concen: 55.264 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. -0.000 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

Instrument :

MSVOA\_V

ClientSampleId :

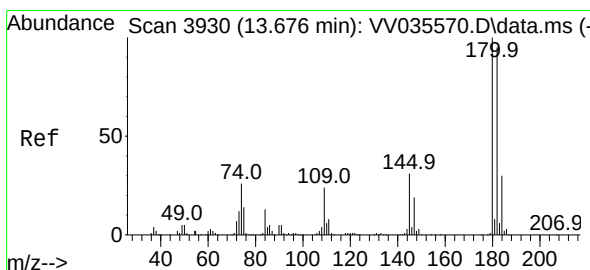
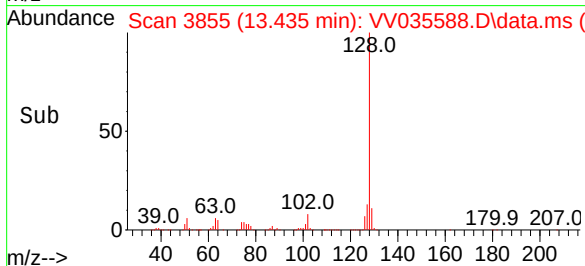
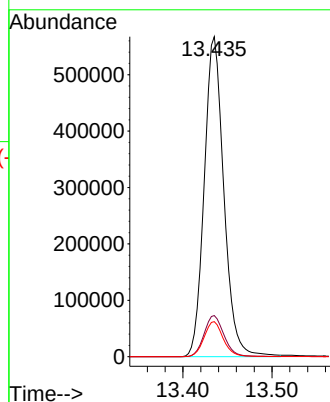
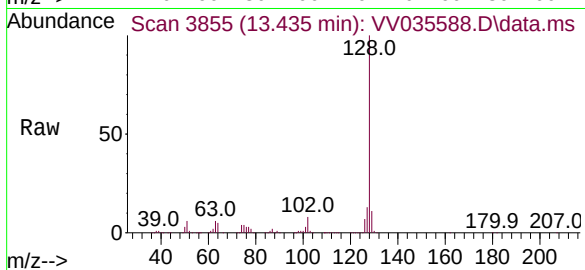
Tgt Ion:128 Resp: 867429

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 58.975 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. -0.000 min

Lab File: VV035588.D

Acq: 13 May 2024 09:10

Tgt Ion:180 Resp: 342826

Ion Ratio Lower Upper

180 100

182 94.7 76.2 114.2

145 30.6 24.9 37.3

