

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV090424\  
 Data File : VV037199.D  
 Acq On : 04 Sep 2024 15:32  
 Operator : SY/MD  
 Sample : VSTDICV025  
 Misc : 5.00g/10mL/MSVOA\_V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 05 02:25:57 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM090424SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 05 02:17:17 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114   | 555742   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.780  | 117   | 550222   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178 | 152   | 273882   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 193966   | 19.485   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 77.920%  |
| 7) Chloroethane-d5            | 1.532  | 69    | 165422   | 21.407   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 85.640%  |
| 11) 1,1-Dichloroethene-d2     | 2.056  | 65    | 90133    | 20.129   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 80.520%  |
| 21) 2-Butanone-d5             | 4.027  | 46    | 146      | 0.068    | ug/L   | 0.20     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 0.140%#  |
| 24) Chloroform-d              | 4.243  | 84    | 412459   | 24.120   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 96.480%  |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65    | 216931   | 25.010   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 100.040% |
| 32) Benzene-d6                | 4.953  | 84    | 807610   | 23.229   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 92.920%  |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67    | 252564   | 23.449   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 93.800%  |
| 41) Toluene-d8                | 7.236  | 98    | 734669   | 23.366   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 93.480%  |
| 43) trans-1,3-Dichloroprop... | 7.548  | 79    | 98983    | 23.874   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 95.480%  |
| 47) 2-Hexanone-d5             | 8.030  | 63    | 72867    | 49.626   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 99.260%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146 | 84    | 208544   | 25.189   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 100.760% |
| 66) 1,2-Dichlorobenzene-d4    | 11.554 | 152   | 256460   | 23.989   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 95.960%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105  | 85    | 192329   | 25.140   | ug/L   | 99       |
| 3) Chloromethane              | 1.217  | 50    | 231722   | 25.345   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.282  | 62    | 226215   | 25.156   | ug/L   | 100      |
| 6) Bromomethane               | 1.487  | 94    | 135709   | 26.089   | ug/L   | 98       |
| 8) Chloroethane               | 1.548  | 64    | 147218   | 26.615   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.712  | 101   | 305326   | 24.876   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066  | 101   | 190595   | 24.857   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.066  | 96    | 177494   | 25.411   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.236  | 76    | 592367   | 25.836   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.381  | 43    | 104145   | 27.352   | ug/L   | 99       |
| 16) Methylene chloride        | 2.442  | 84    | 229514   | 22.534   | ug/L   | 100      |
| 17) trans-1,2-Dichloroethene  | 2.687  | 96    | 201602   | 26.456   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 2.706  | 73    | 504512   | 28.283   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.105  | 63    | 395141   | 27.083   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 3.809  | 96    | 221376   | 27.520   | ug/L   | 99       |
| 22) 2-Butanone                | 3.908  | 43    | 118762   | 47.098   | ug/L   | 93       |
| 23) Bromochloromethane        | 4.143  | 128   | 100192   | 27.947   | ug/L   | 96       |
| 25) Chloroform                | 4.269  | 83    | 389314   | 27.486   | ug/L   | 99       |
| 27) 1,2-Dichloroethane        | 5.037  | 62    | 253853   | 28.298   | ug/L   | 99       |

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 Data File : VV037199.D  
 Acq On : 04 Sep 2024 15:32  
 Operator : SY/MD  
 Sample : VSTDICV025  
 Misc : 5.00g/10mL/MSVOA\_V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

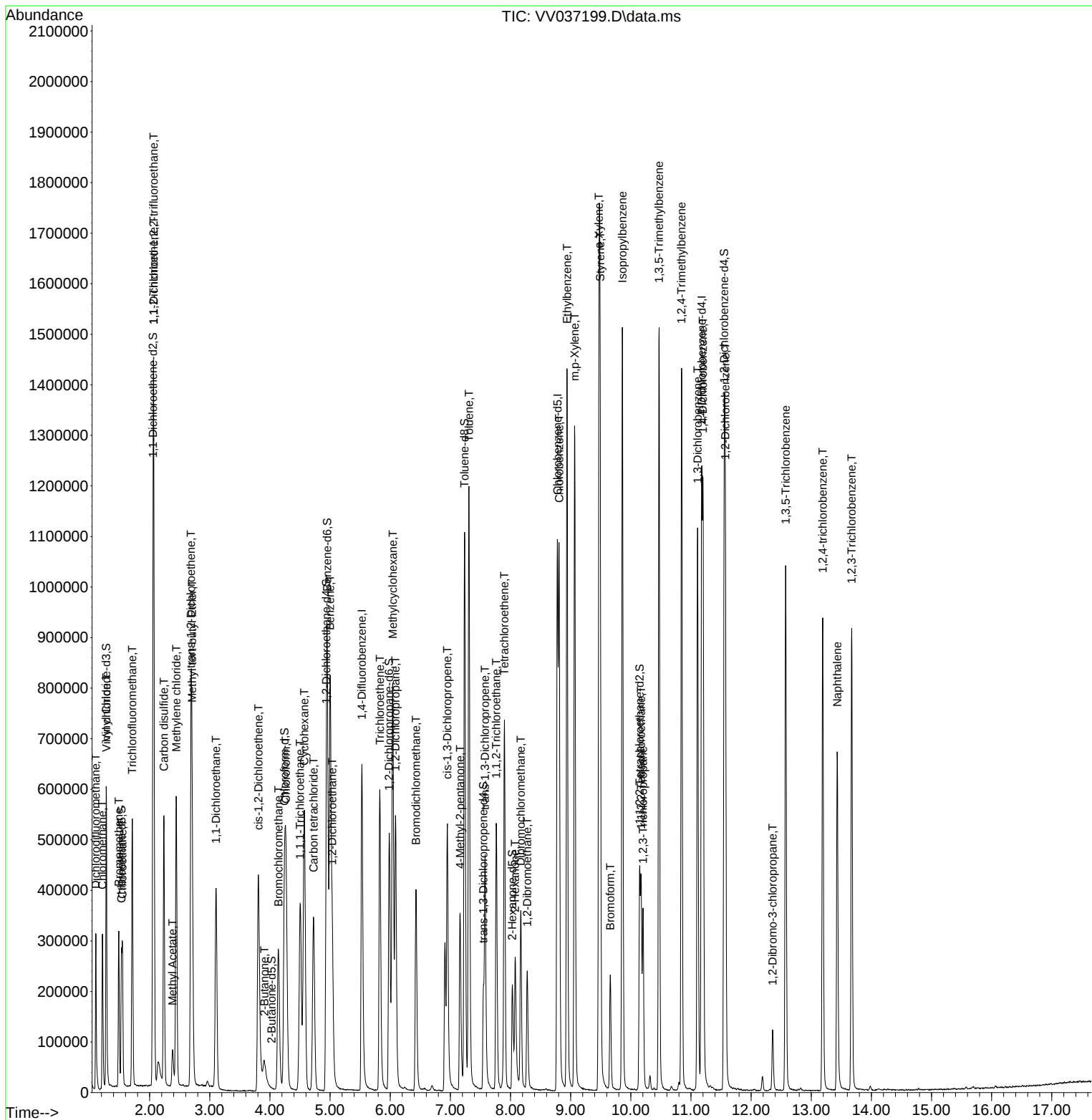
Instrument :  
 MSVOA\_V  
 ClientSampleId :

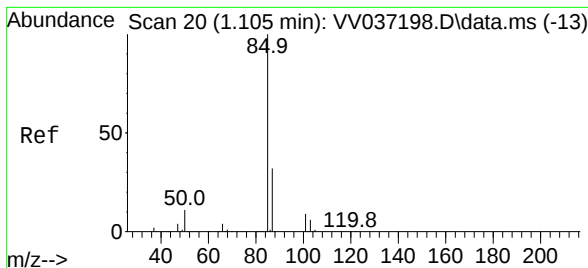
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM090424SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 05 02:17:17 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 29) Cyclohexane               | 4.571  | 56   | 307729   | 24.788 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.503  | 97   | 311416   | 25.484 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.725  | 117  | 262870   | 25.445 | ug/L  | 99       |
| 33) Benzene                   | 5.002  | 78   | 834342   | 27.026 | ug/L  | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 215690   | 25.670 | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.043  | 83   | 344373   | 25.154 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.088  | 63   | 209606   | 25.946 | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.429  | 83   | 275108   | 27.424 | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 327684   | 26.746 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.162  | 43   | 254137   | 56.751 | ug/L  | 98       |
| 42) Toluene                   | 7.310  | 91   | 872543   | 26.858 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 269614   | 27.189 | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.764  | 97   | 167291   | 27.731 | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.899  | 164  | 155567   | 25.188 | ug/L  | 99       |
| 48) 2-Hexanone                | 8.079  | 43   | 177782   | 47.639 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.172  | 129  | 174887   | 27.861 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.278  | 107  | 158585   | 27.514 | ug/L  | 98       |
| 51) Chlorobenzene             | 8.809  | 112  | 571307   | 26.873 | ug/L  | 99       |
| 52) Ethylbenzene              | 8.940  | 91   | 973536   | 26.760 | ug/L  | 99       |
| 53) m,p-Xylene                | 9.066  | 106  | 365422   | 27.074 | ug/L  | 98       |
| 54) o-Xylene                  | 9.471  | 106  | 351500   | 27.033 | ug/L  | 98       |
| 55) Styrene                   | 9.490  | 104  | 624588   | 28.327 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.172 | 83   | 196627   | 27.351 | ug/L  | 98       |
| 59) Bromoform                 | 9.661  | 173  | 95372    | 27.426 | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.860  | 105  | 942220   | 26.491 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.204 | 75   | 139640   | 27.669 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.471 | 105  | 776243   | 27.481 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.844 | 105  | 775075   | 27.667 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.111 | 146  | 434425   | 26.789 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.201 | 146  | 442942   | 26.791 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.574 | 146  | 404518   | 26.894 | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.358 | 75   | 30799    | 27.039 | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 12.577 | 180  | 297223   | 25.832 | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.191 | 180  | 265663   | 26.154 | ug/L  | 100      |
| 71) Naphthalene               | 13.432 | 128  | 550594   | 27.786 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.673 | 180  | 246723   | 26.450 | ug/L  | 98       |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM090424SMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Sep 05 02:17:17 2024  
Response via : Initial Calibration

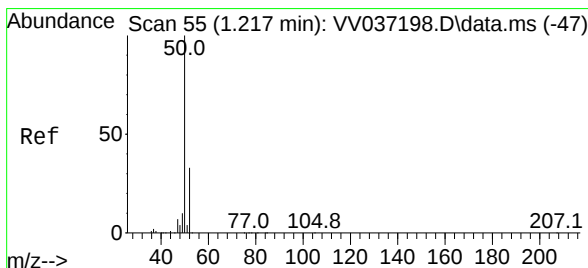
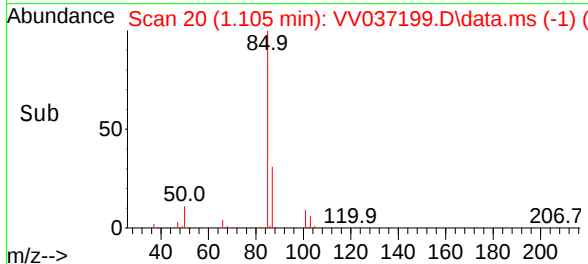
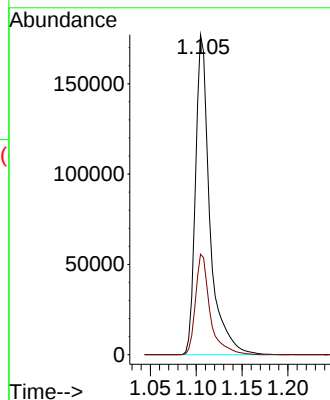
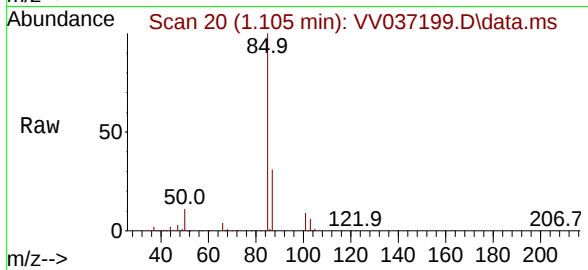




#2  
Dichlorodifluoromethane  
Concen: 25.140 ug/L  
RT: 1.105 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VV037199.D  
Acq: 04 Sep 2024 15:32

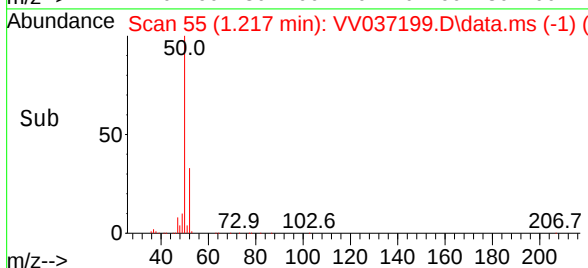
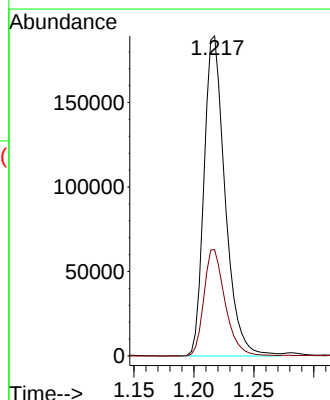
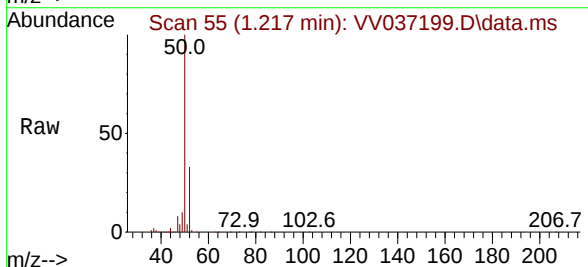
Instrument :  
MSVOA\_V  
ClientSampleId :

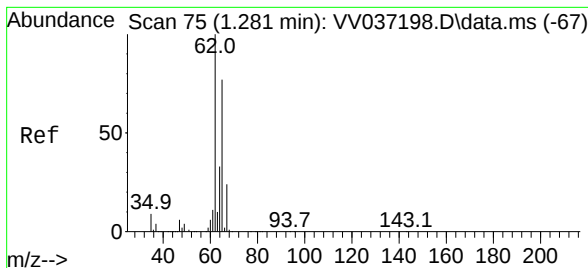
Tgt Ion: 85 Resp: 192329  
Ion Ratio Lower Upper  
85 100  
87 31.9 26.1 39.1



#3  
Chloromethane  
Concen: 25.345 ug/L  
RT: 1.217 min Scan# 55  
Delta R.T. 0.000 min  
Lab File: VV037199.D  
Acq: 04 Sep 2024 15:32

Tgt Ion: 50 Resp: 231722  
Ion Ratio Lower Upper  
50 100  
52 33.3 22.9 42.5





#5

Vinyl chloride

Concen: 25.156 ug/L

RT: 1.282 min Scan# 75

Delta R.T. 0.000 min

Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

Instrument :

MSVOA\_V

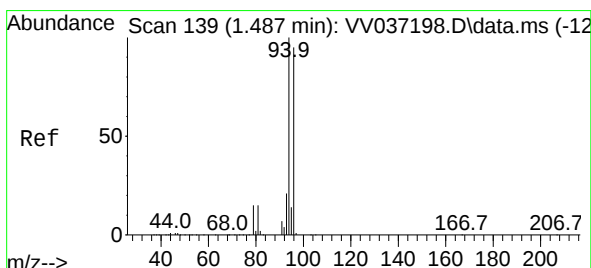
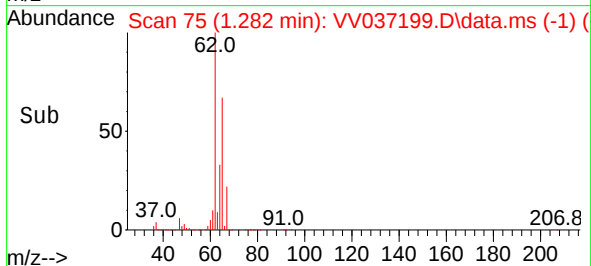
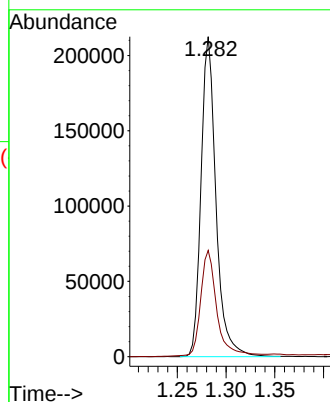
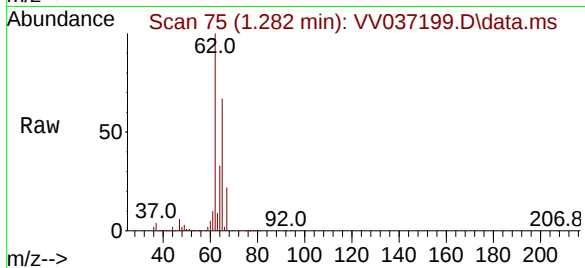
ClientSampleId :

Tgt Ion: 62 Resp: 226215

Ion Ratio Lower Upper

62 100

64 33.2 23.2 43.2



#6

Bromomethane

Concen: 26.089 ug/L

RT: 1.487 min Scan# 139

Delta R.T. 0.000 min

Lab File: VV037199.D

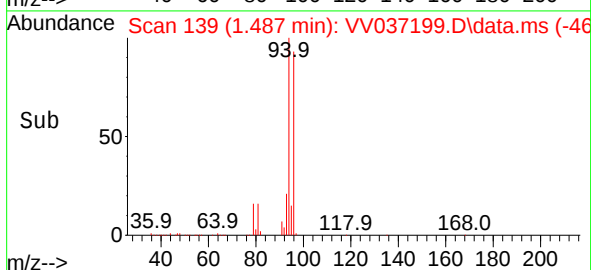
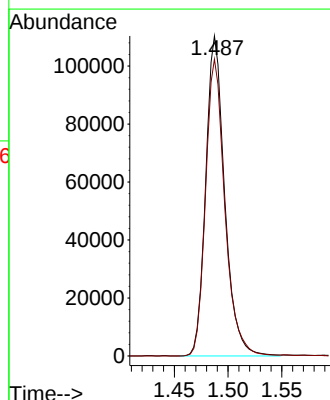
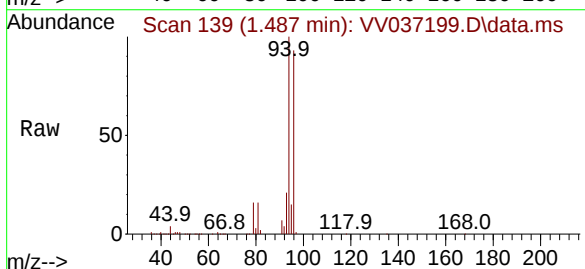
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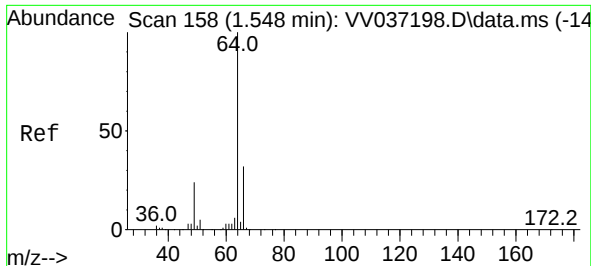
Tgt Ion: 94 Resp: 135709

Ion Ratio Lower Upper

94 100

96 92.8 66.6 123.6

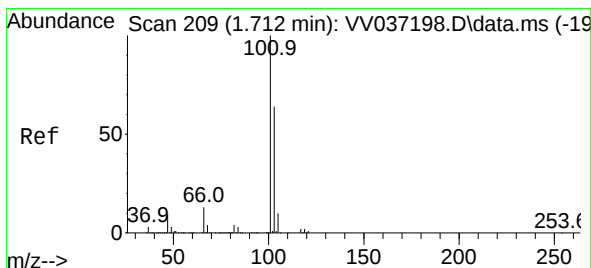
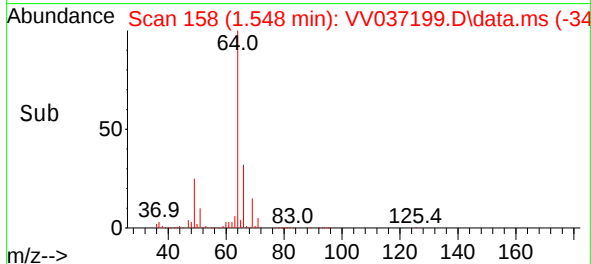
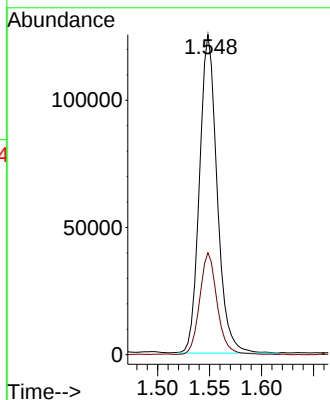
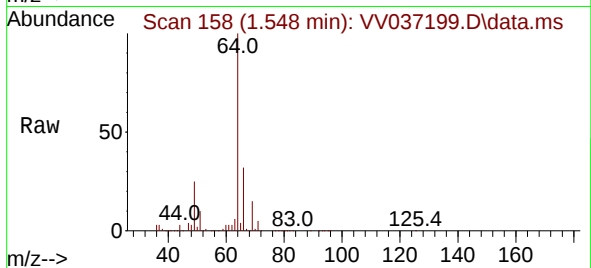




#8  
Chloroethane  
Concen: 26.615 ug/L  
RT: 1.548 min Scan# 158  
Delta R.T. 0.000 min  
Lab File: VV037199.D  
Acq: 04 Sep 2024 15:32

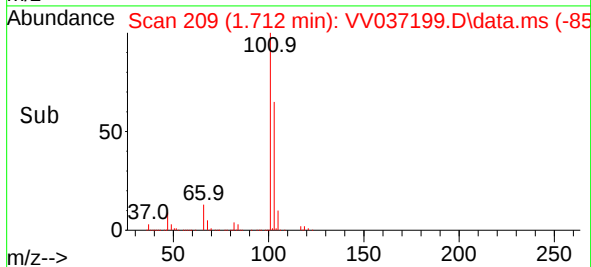
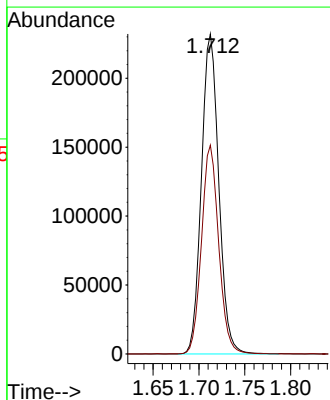
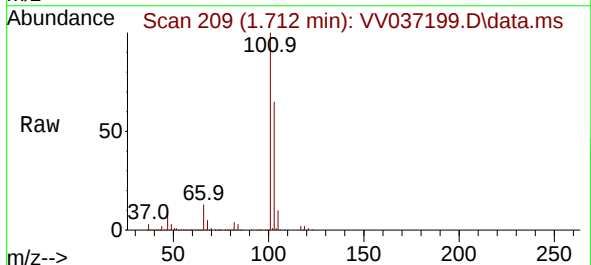
Instrument :  
MSVOA\_V  
ClientSampleId :

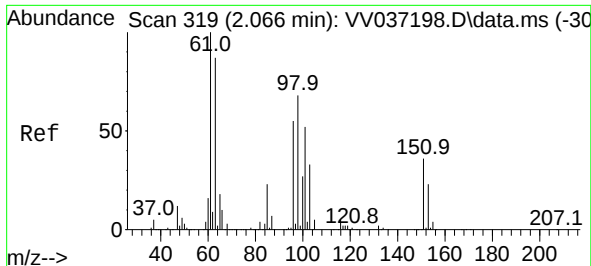
Tgt Ion: 64 Resp: 147218  
Ion Ratio Lower Upper  
64 100  
66 31.8 22.7 42.1



#9  
Trichlorofluoromethane  
Concen: 24.876 ug/L  
RT: 1.712 min Scan# 209  
Delta R.T. 0.000 min  
Lab File: VV037199.D  
Acq: 04 Sep 2024 15:32

Tgt Ion: 101 Resp: 305326  
Ion Ratio Lower Upper  
101 100  
103 64.6 51.4 77.2

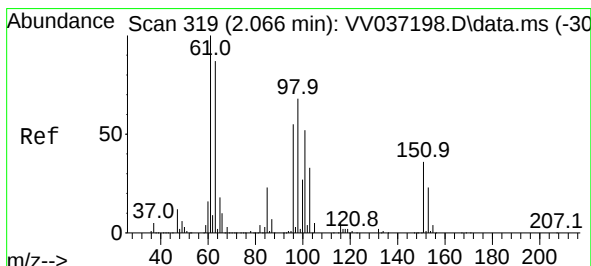
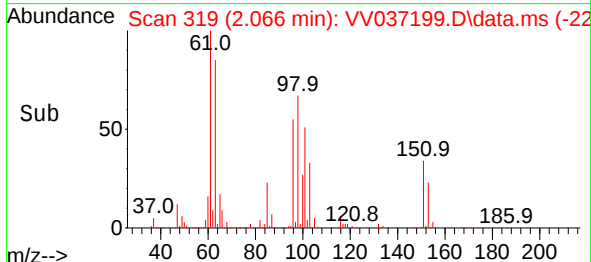
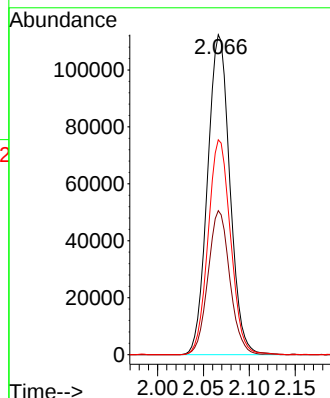
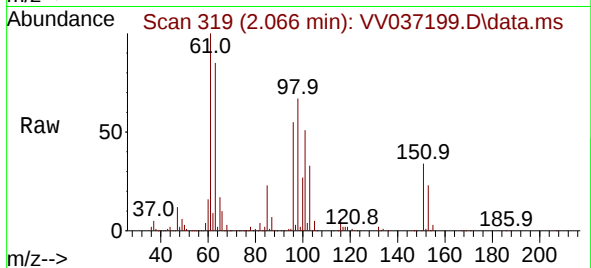




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 24.857 ug/L  
RT: 2.066 min Scan# 319  
Delta R.T. 0.000 min  
Lab File: VV037199.D  
Acq: 04 Sep 2024 15:32

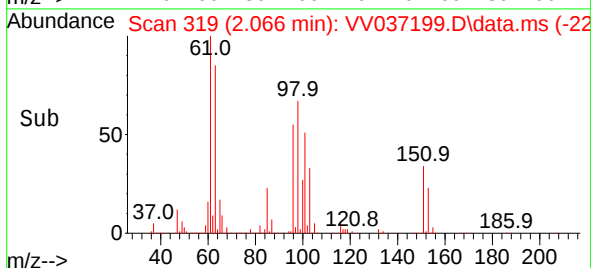
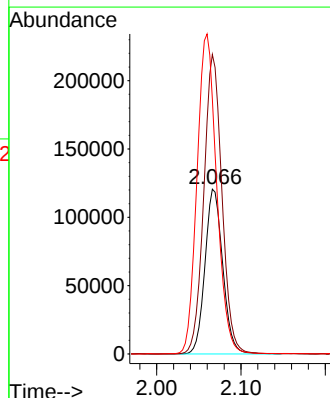
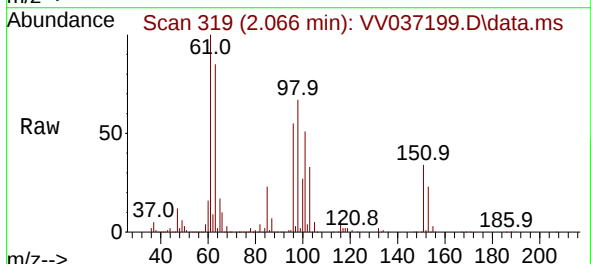
Instrument :  
MSVOA\_V  
ClientSampleId :

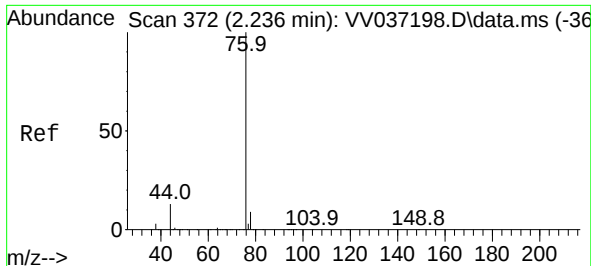
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Ion Ratio Lower Upper  
101 100  
85 44.0 34.7 52.1  
151 67.6 54.3 81.5



#12  
1,1-Dichloroethene  
Concen: 25.411 ug/L  
RT: 2.066 min Scan# 319  
Delta R.T. 0.000 min  
Lab File: VV037199.D  
Acq: 04 Sep 2024 15:32

Tgt Ion: 96 Resp: 177494  
Ion Ratio Lower Upper  
96 100  
61 181.6 126.8 235.6  
63 154.6 110.4 205.0

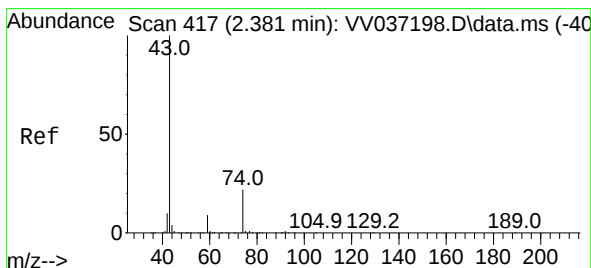
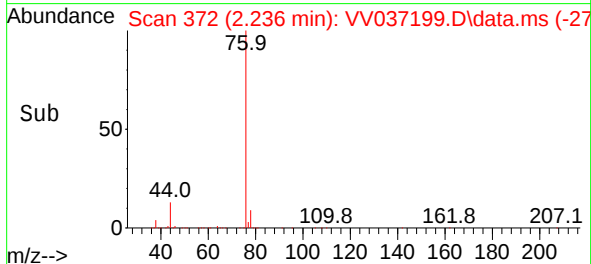
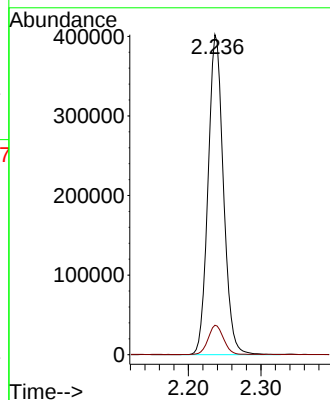
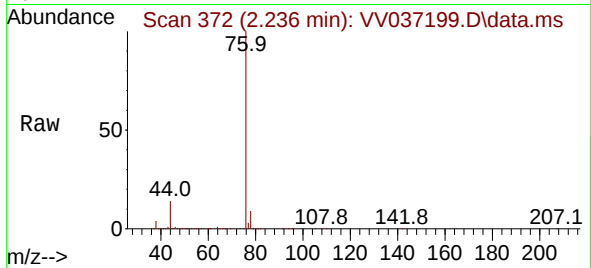




#14  
Carbon disulfide  
Concen: 25.836 ug/L  
RT: 2.236 min Scan# 372  
Delta R.T. 0.000 min  
Lab File: VV037199.D  
Acq: 04 Sep 2024 15:32

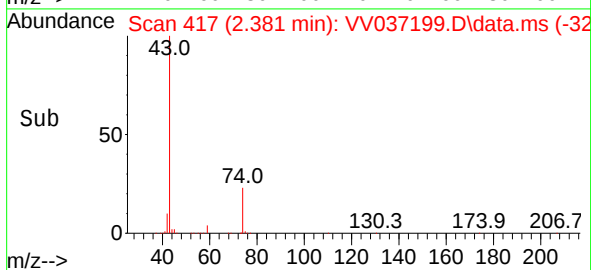
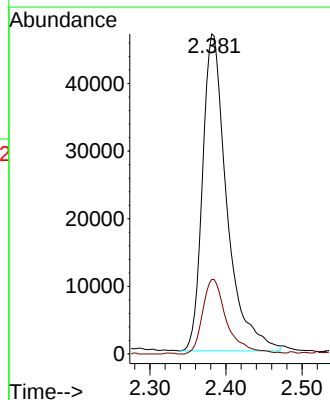
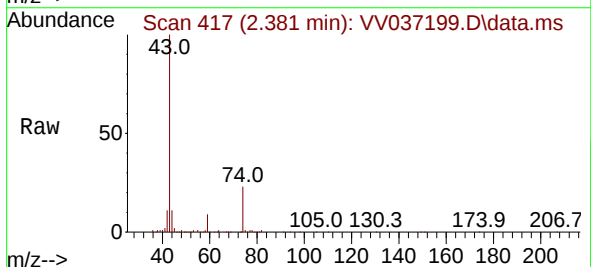
Instrument :  
MSVOA\_V  
ClientSampleId :

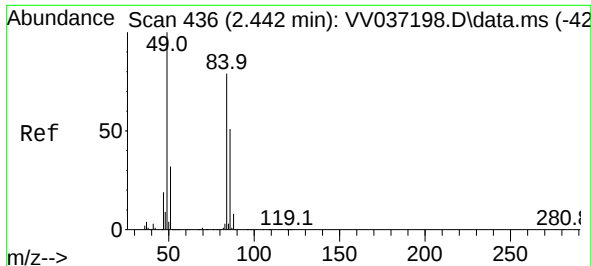
Tgt Ion: 76 Resp: 592367  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.2 10.8



#15  
Methyl Acetate  
Concen: 27.352 ug/L  
RT: 2.381 min Scan# 417  
Delta R.T. 0.000 min  
Lab File: VV037199.D  
Acq: 04 Sep 2024 15:32

Tgt Ion: 43 Resp: 104145  
Ion Ratio Lower Upper  
43 100  
74 23.5 19.0 28.4

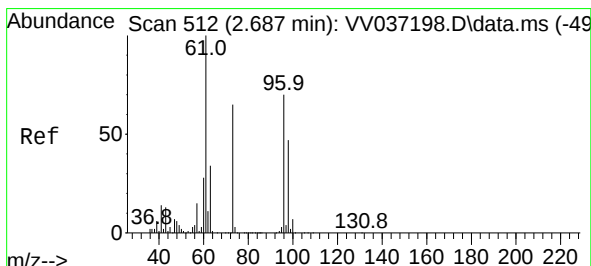
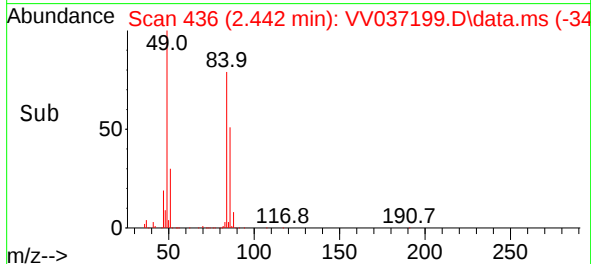
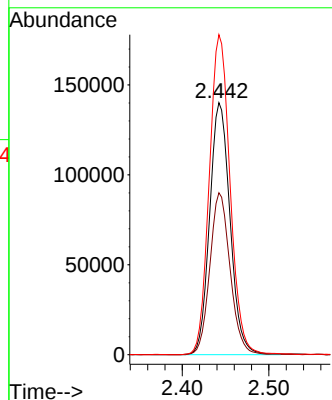
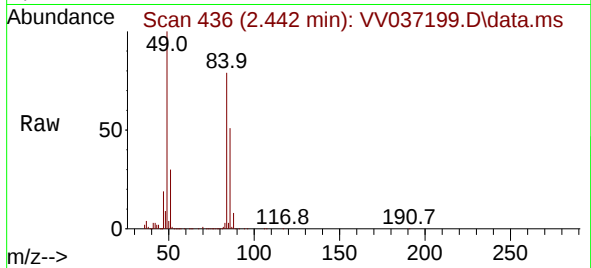




#16  
Methylene chloride  
Concen: 22.534 ug/L  
RT: 2.442 min Scan# 436  
Delta R.T. 0.000 min  
Lab File: VV037199.D  
Acq: 04 Sep 2024 15:32

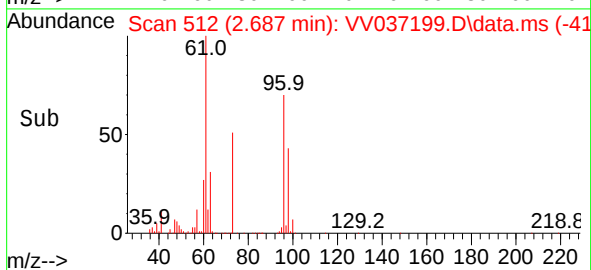
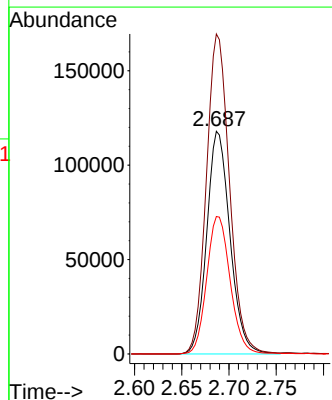
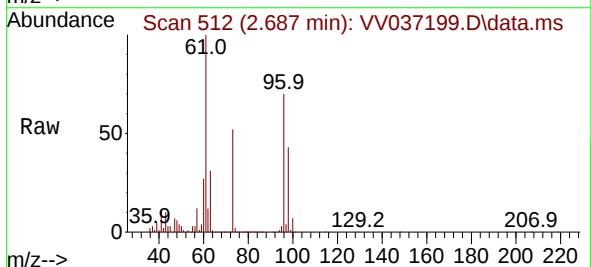
Instrument :  
MSVOA\_V  
ClientSampleId :

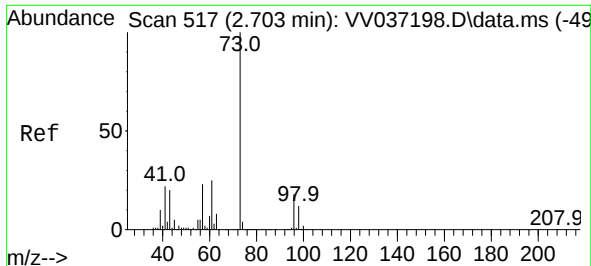
Tgt Ion: 84 Resp: 229514  
Ion Ratio Lower Upper  
84 100  
86 64.2 45.4 84.2  
49 127.0 88.7 164.7



#17  
trans-1,2-Dichloroethene  
Concen: 26.456 ug/L  
RT: 2.687 min Scan# 512  
Delta R.T. 0.000 min  
Lab File: VV037199.D  
Acq: 04 Sep 2024 15:32

Tgt Ion: 96 Resp: 201602  
Ion Ratio Lower Upper  
96 100  
61 143.7 99.7 185.1  
98 61.7 46.4 86.2





#18

Methyl tert-butyl Ether

Concen: 28.283 ug/L

RT: 2.706 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

Instrument :

MSVOA\_V

ClientSampleId :

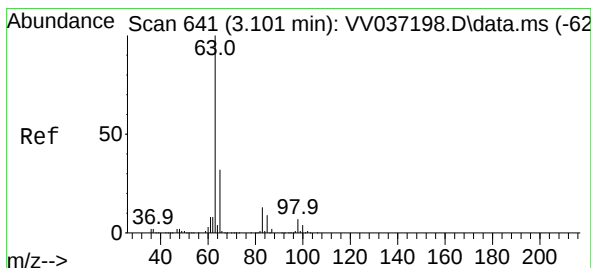
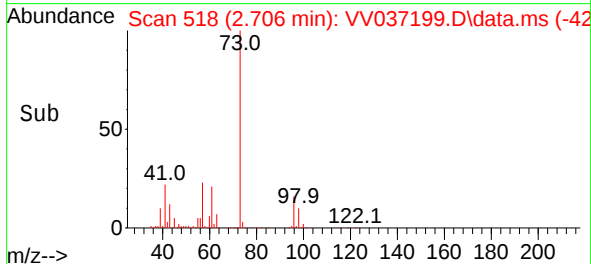
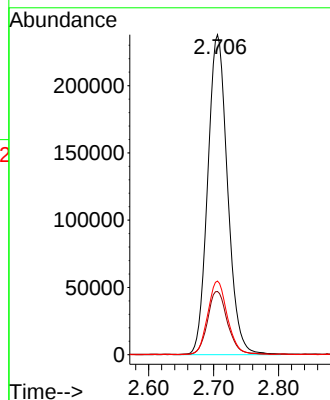
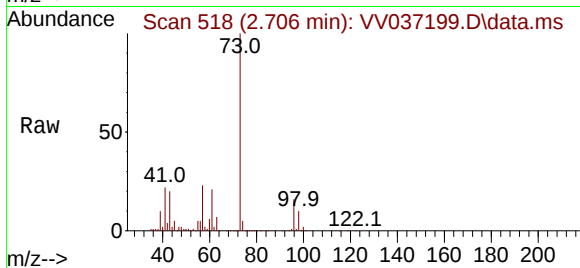
Tgt Ion: 73 Resp: 504512

Ion Ratio Lower Upper

73 100

43 19.5 15.7 23.5

57 22.7 18.3 27.5



#19

1,1-Dichloroethane

Concen: 27.083 ug/L

RT: 3.105 min Scan# 642

Delta R.T. 0.003 min

Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

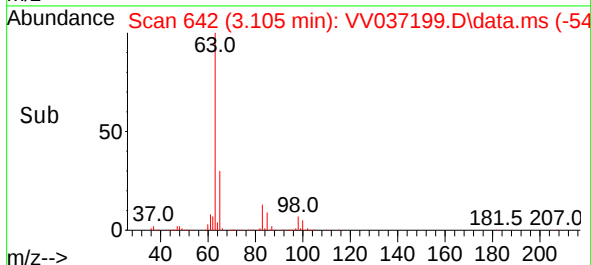
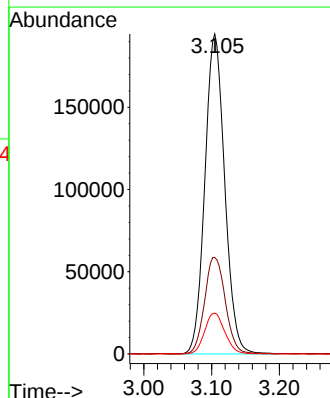
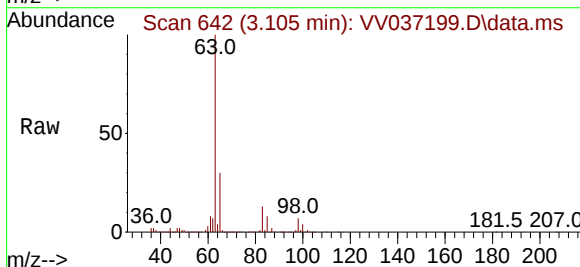
Tgt Ion: 63 Resp: 395141

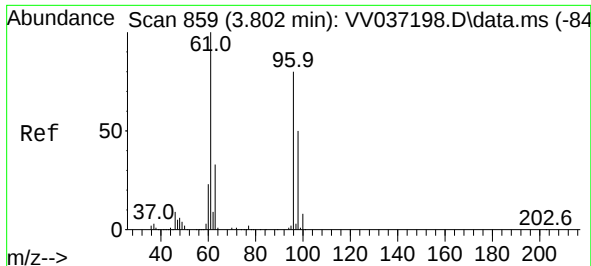
Ion Ratio Lower Upper

63 100

65 30.2 22.4 41.6

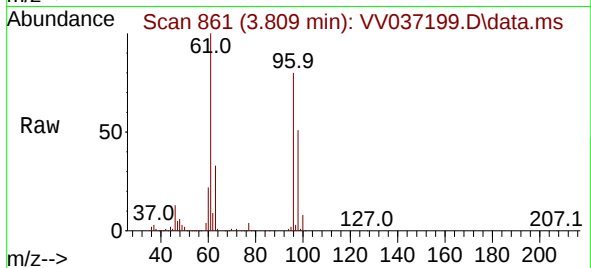
83 12.8 9.3 17.3



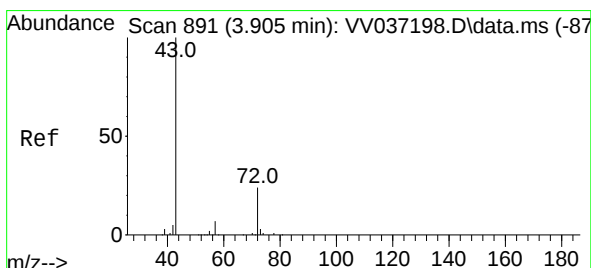
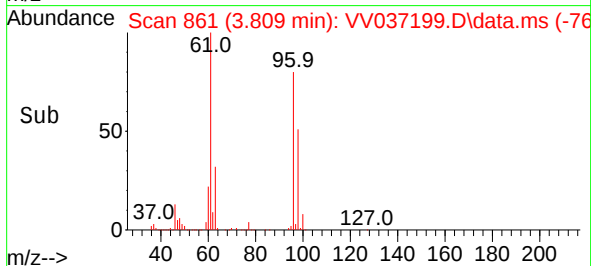
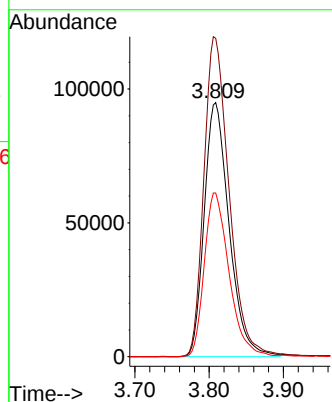


#20  
cis-1,2-Dichloroethene  
Concen: 27.520 ug/L  
RT: 3.809 min Scan# 80  
Delta R.T. 0.007 min  
Lab File: VV037199.D  
Acq: 04 Sep 2024 15:32

Instrument :  
MSVOA\_V  
ClientSampleId :

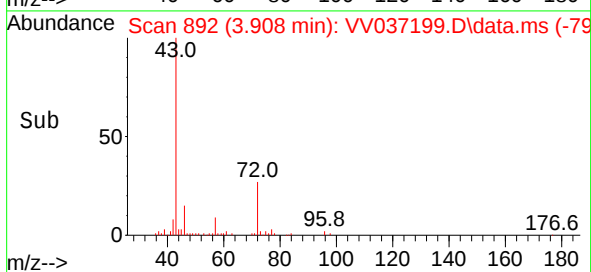
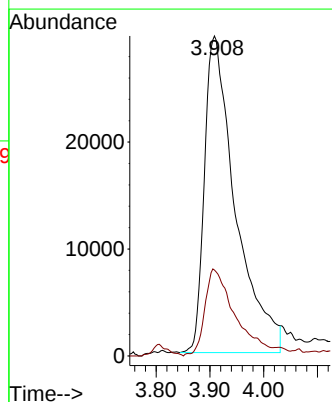
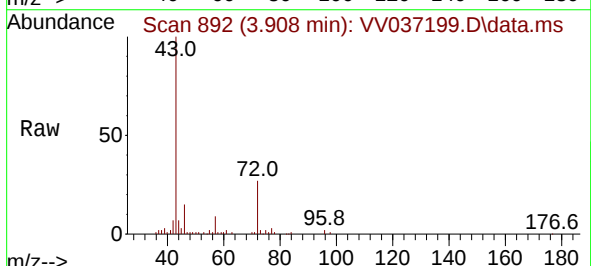


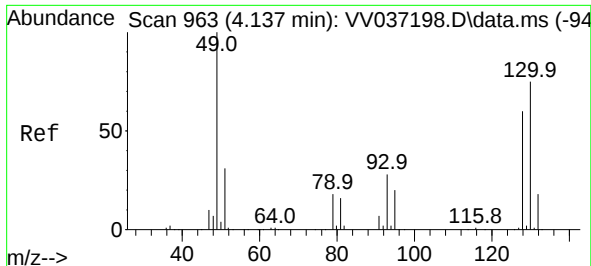
Tgt Ion: 96 Resp: 221376  
Ion Ratio Lower Upper  
96 100  
61 125.3 87.6 162.6  
98 64.4 44.0 81.6



#22  
2-Butanone  
Concen: 47.098 ug/L  
RT: 3.908 min Scan# 892  
Delta R.T. 0.003 min  
Lab File: VV037199.D  
Acq: 04 Sep 2024 15:32

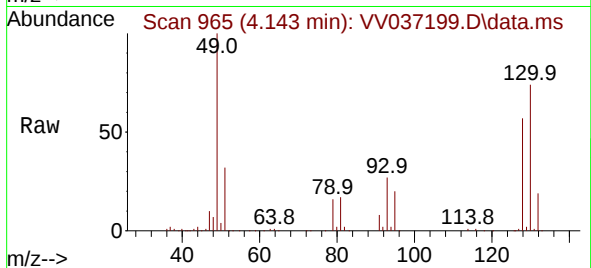
Tgt Ion: 43 Resp: 118762  
Ion Ratio Lower Upper  
43 100  
72 23.5 10.2 30.6



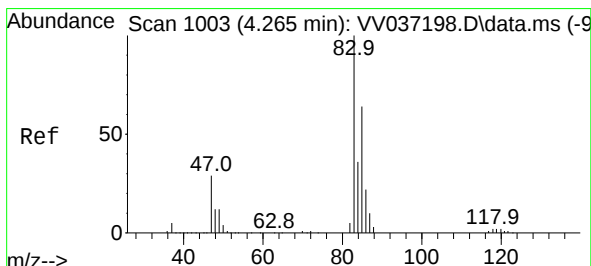
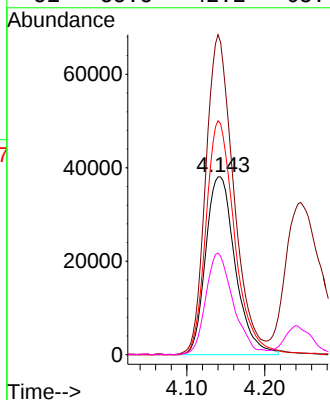
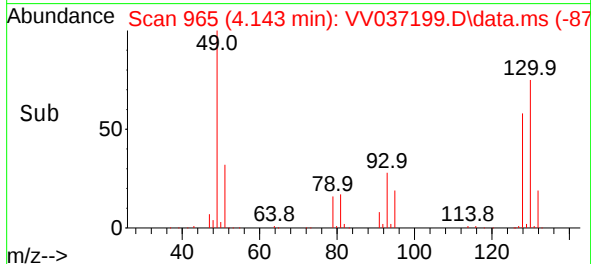


#23  
Bromochloromethane  
Concen: 27.947 ug/L  
RT: 4.143 min Scan# 90  
Delta R.T. 0.007 min  
Lab File: VV037199.D  
Acq: 04 Sep 2024 15:32

Instrument :  
MSVOA\_V  
ClientSampleId :

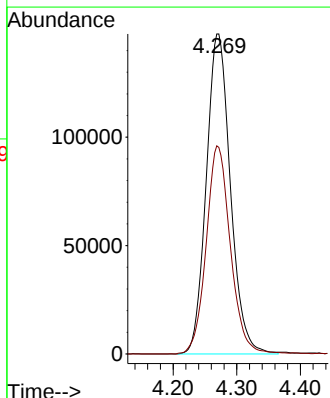
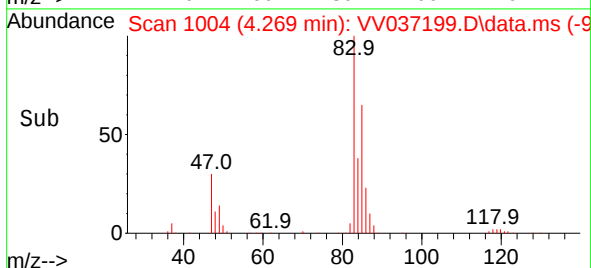
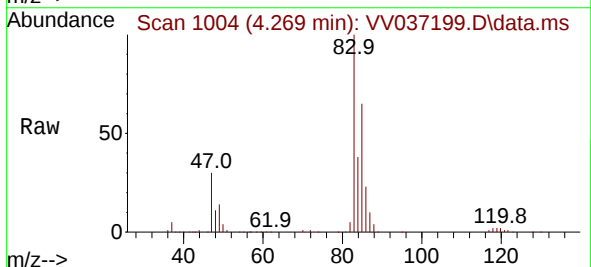


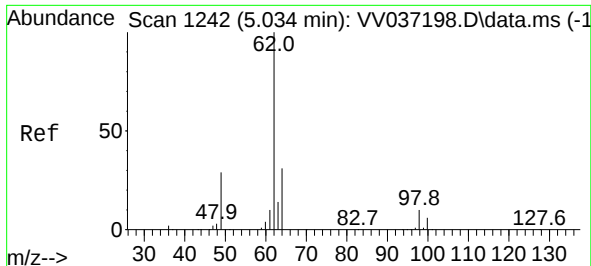
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 100192 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 49       | 175.6 | 117.8 | 218.8  |
| 130      | 129.8 | 88.4  | 164.2  |
| 51       | 55.5  | 42.2  | 63.4   |



#25  
Chloroform  
Concen: 27.486 ug/L  
RT: 4.269 min Scan# 1004  
Delta R.T. 0.003 min  
Lab File: VV037199.D  
Acq: 04 Sep 2024 15:32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 389314 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 65.0  | 44.9  | 83.3   |

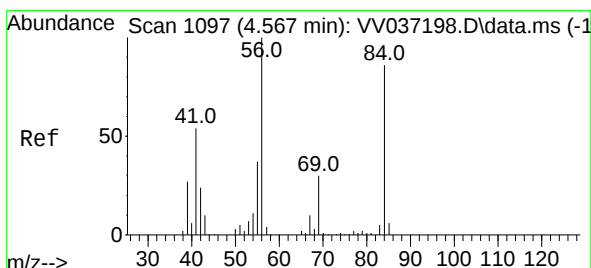
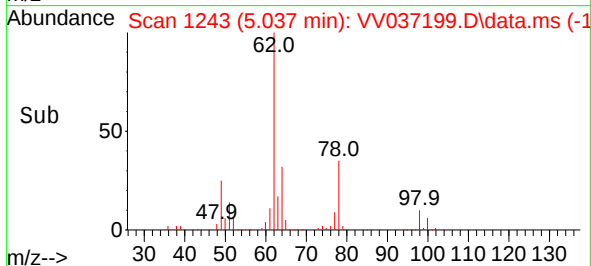
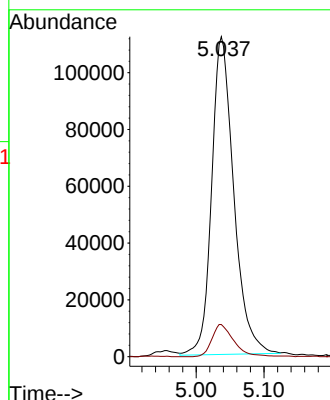
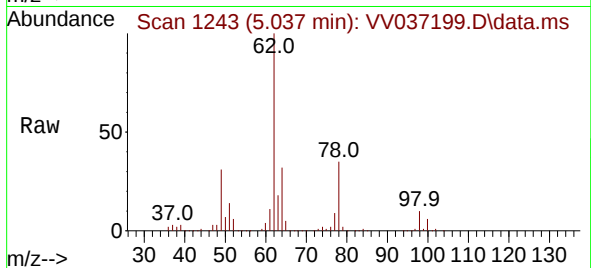




#27  
1,2-Dichloroethane  
Concen: 28.298 ug/L  
RT: 5.037 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VV037199.D  
Acq: 04 Sep 2024 15:32

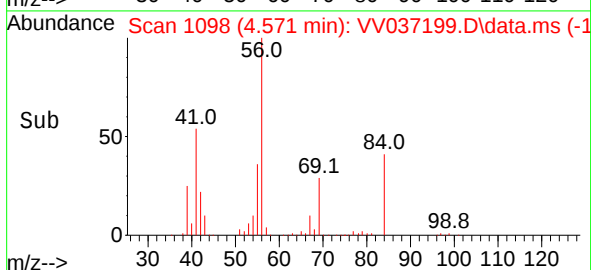
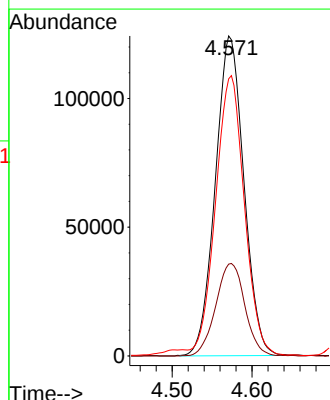
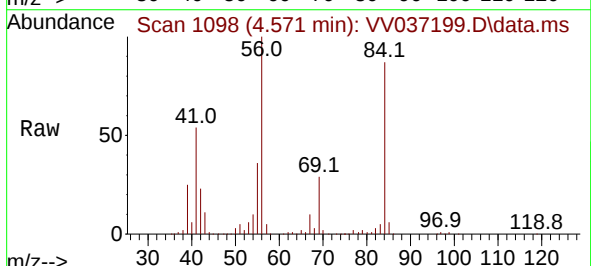
Instrument :  
MSVOA\_V  
ClientSampleId :

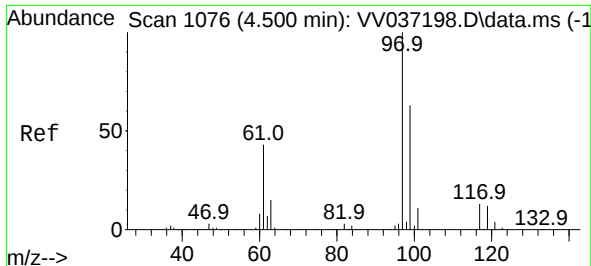
Tgt Ion: 62 Resp: 253853  
Ion Ratio Lower Upper  
62 100  
98 10.0 8.3 12.5



#29  
Cyclohexane  
Concen: 24.788 ug/L  
RT: 4.571 min Scan# 1098  
Delta R.T. 0.003 min  
Lab File: VV037199.D  
Acq: 04 Sep 2024 15:32

Tgt Ion: 56 Resp: 307729  
Ion Ratio Lower Upper  
56 100  
69 29.5 24.3 36.5  
84 88.6 71.1 106.7





#30

1,1,1-Trichloroethane

Concen: 25.484 ug/L

RT: 4.503 min Scan# 110

Delta R.T. 0.003 min

Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

Instrument :

MSVOA\_V

ClientSampleId :

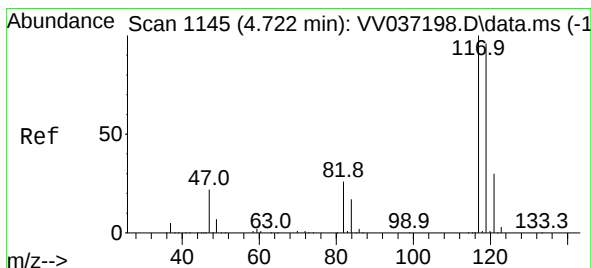
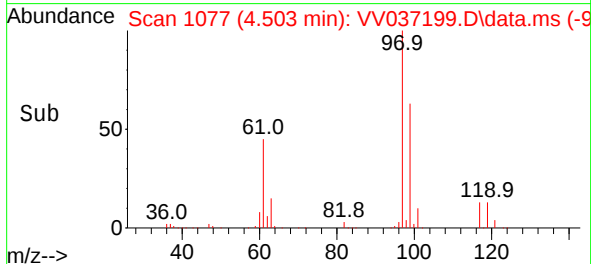
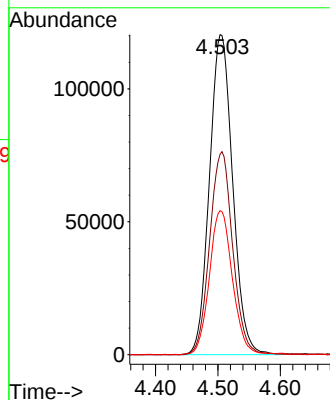
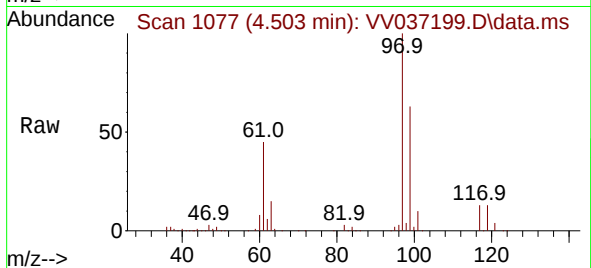
Tgt Ion: 97 Resp: 311416

Ion Ratio Lower Upper

97 100

99 63.0 51.5 77.3

61 44.6 35.4 53.2



#31

Carbon tetrachloride

Concen: 25.445 ug/L

RT: 4.725 min Scan# 1146

Delta R.T. 0.003 min

Lab File: VV037199.D

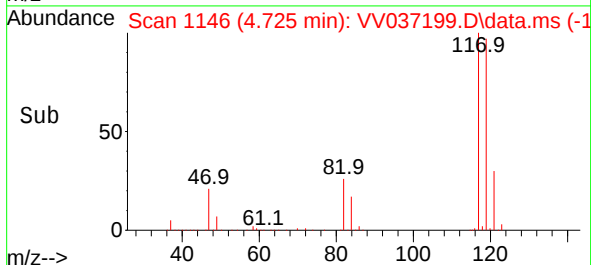
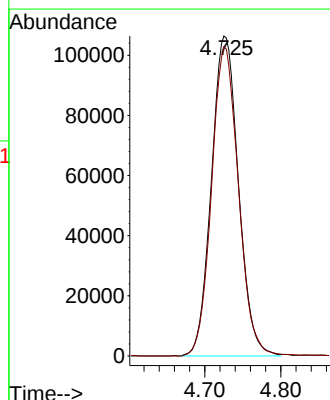
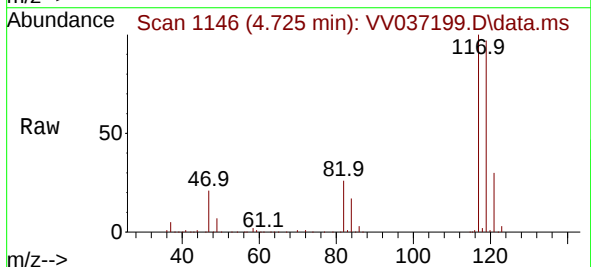
Acq: 04 Sep 2024 15:32

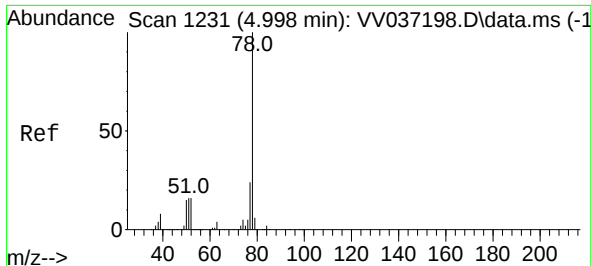
Tgt Ion: 117 Resp: 262870

Ion Ratio Lower Upper

117 100

119 95.8 76.2 114.4





#33

Benzene

Concen: 27.026 ug/L

RT: 5.002 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV037199.D

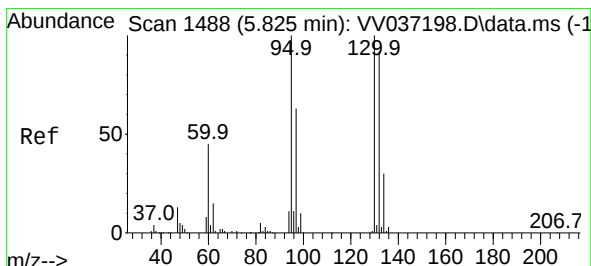
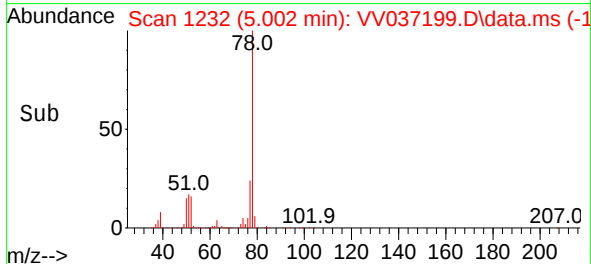
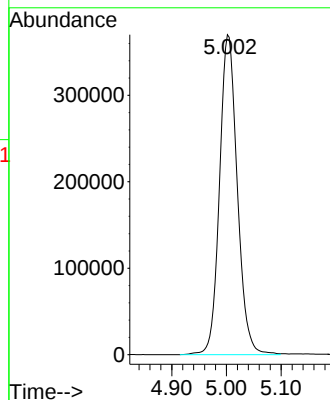
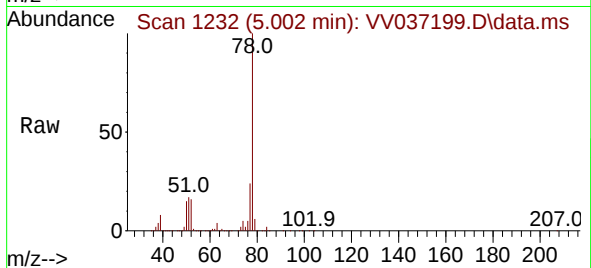
Acq: 04 Sep 2024 15:32

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 78 Resp: 834342



#34

Trichloroethene

Concen: 25.670 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

Tgt Ion: 95 Resp: 215690

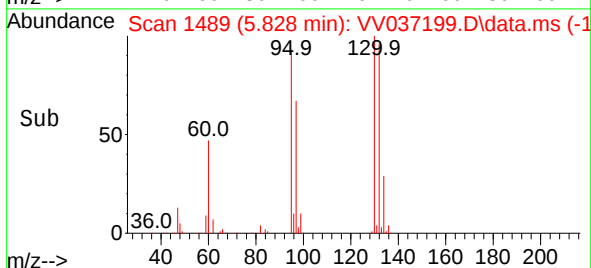
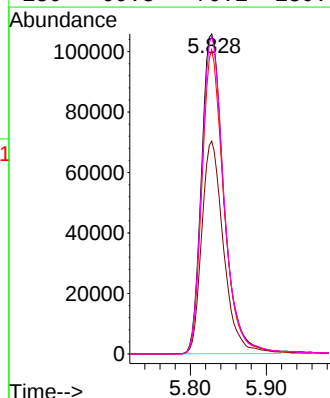
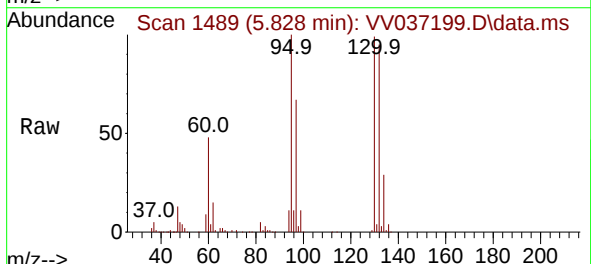
Ion Ratio Lower Upper

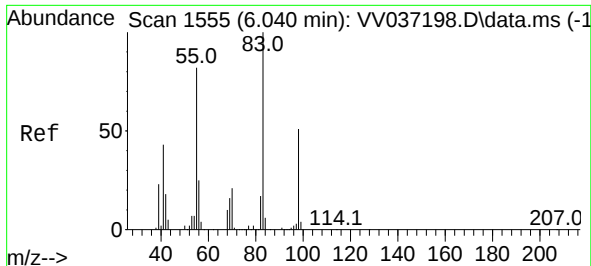
95 100

97 66.5 44.0 81.6

132 95.1 64.3 119.5

130 99.3 70.1 130.3





#35

Methylcyclohexane

Concen: 25.154 ug/L

RT: 6.043 min Scan# 1555

Delta R.T. 0.003 min

Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

Instrument :

MSVOA\_V

ClientSampleId :

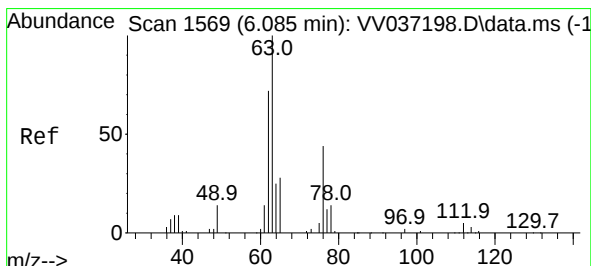
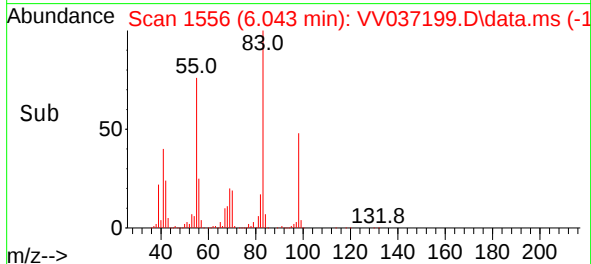
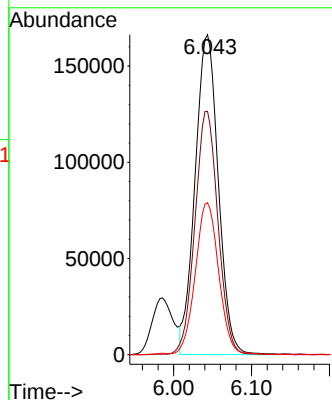
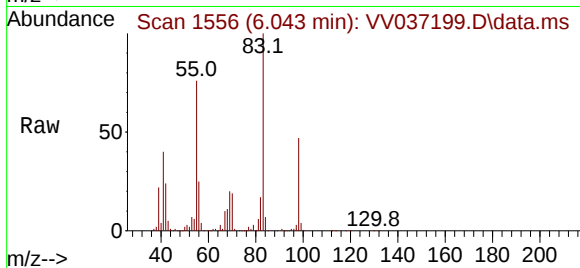
Tgt Ion: 83 Resp: 344373

Ion Ratio Lower Upper

83 100

55 75.2 61.6 92.4

98 47.9 38.5 57.7



#37

1,2-Dichloropropane

Concen: 25.946 ug/L

RT: 6.088 min Scan# 1570

Delta R.T. 0.003 min

Lab File: VV037199.D

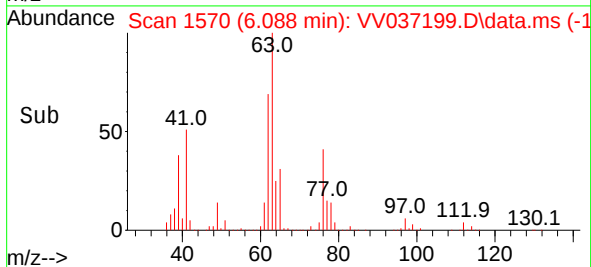
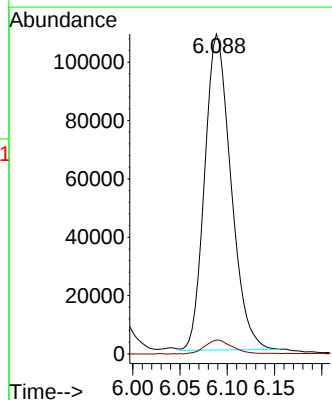
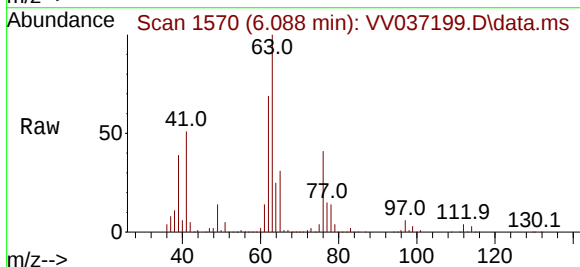
Acq: 04 Sep 2024 15:32

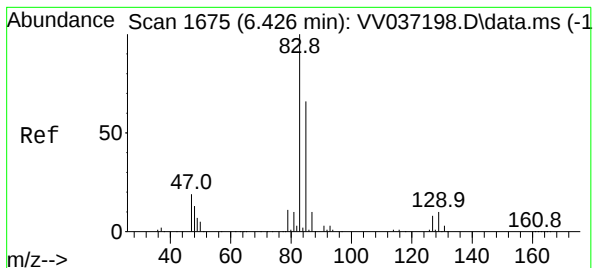
Tgt Ion: 63 Resp: 209606

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.6





#38

Bromodichloromethane

Concen: 27.424 ug/L

RT: 6.429 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

Instrument :

MSVOA\_V

ClientSampleId :

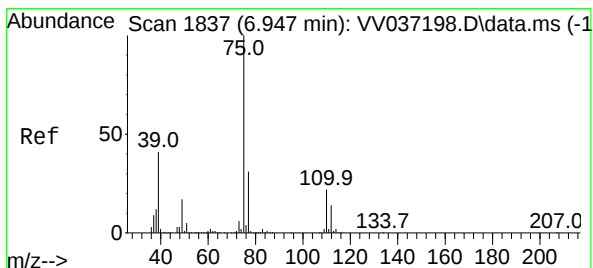
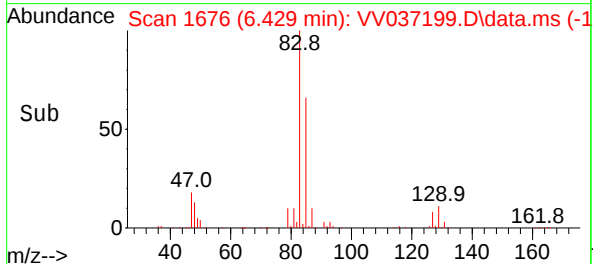
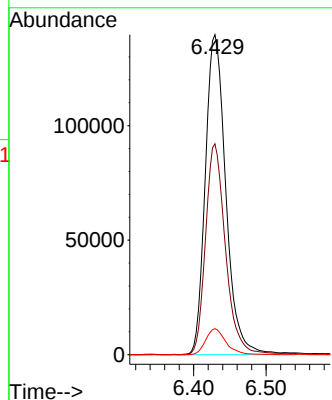
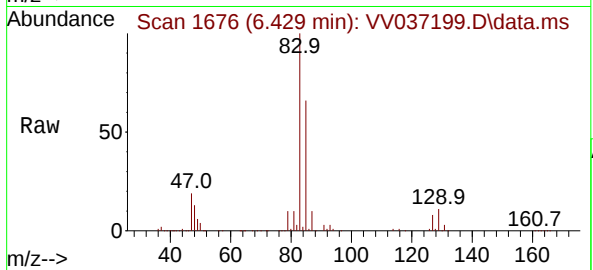
Tgt Ion: 83 Resp: 275108

Ion Ratio Lower Upper

83 100

85 65.9 45.9 85.3

127 8.2 6.5 9.7



#39

cis-1,3-Dichloropropene

Concen: 26.746 ug/L

RT: 6.950 min Scan# 1838

Delta R.T. 0.003 min

Lab File: VV037199.D

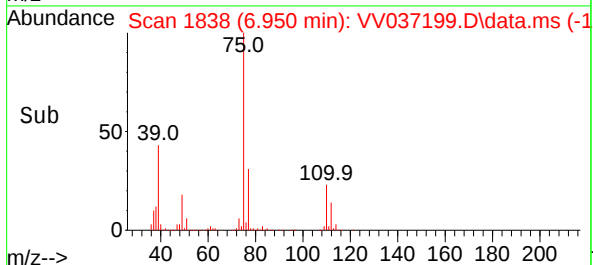
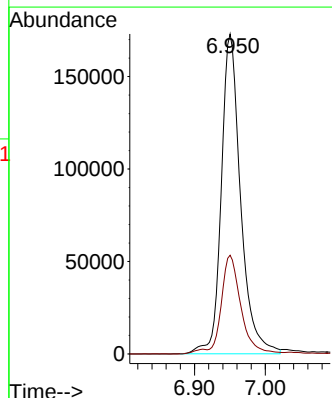
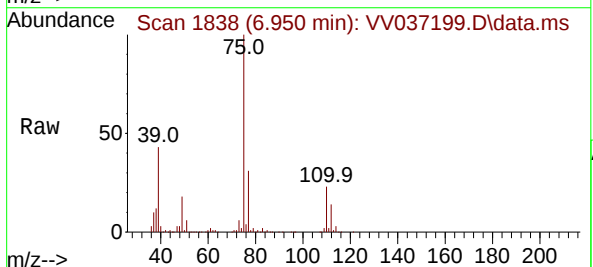
Acq: 04 Sep 2024 15:32

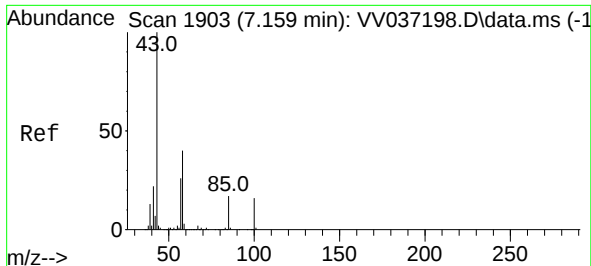
Tgt Ion: 75 Resp: 327684

Ion Ratio Lower Upper

75 100

77 30.9 21.6 40.0





#40

4-Methyl-2-pentanone

Concen: 56.751 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.003 min

Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

Instrument :

MSVOA\_V

ClientSampleId :

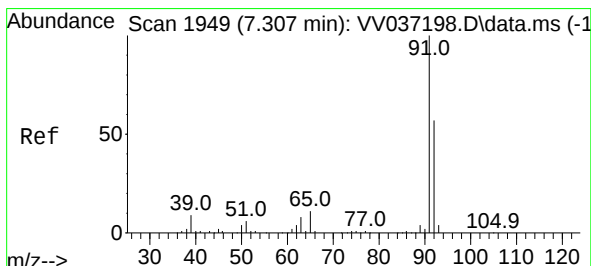
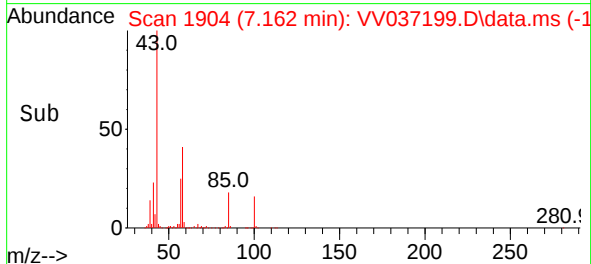
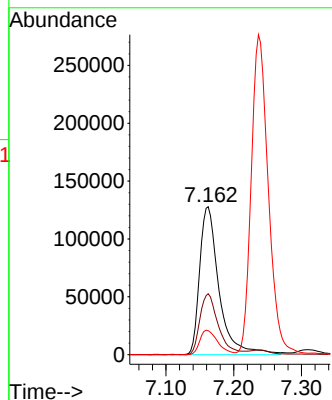
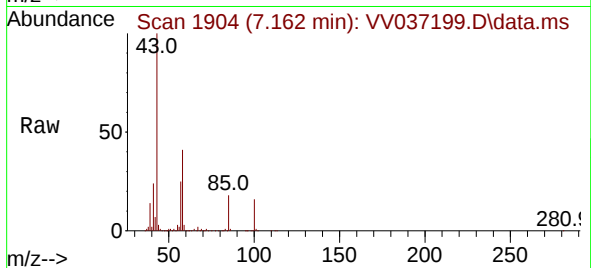
Tgt Ion: 43 Resp: 254137

Ion Ratio Lower Upper

43 100

58 39.3 30.3 45.5

100 15.3 11.6 17.4



#42

Toluene

Concen: 26.858 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.003 min

Lab File: VV037199.D

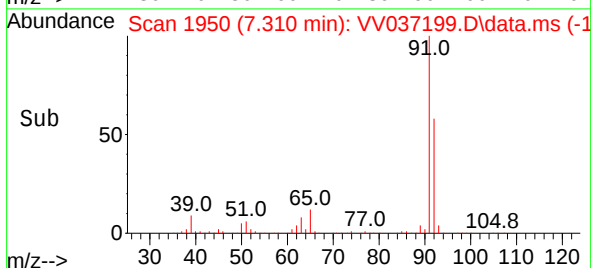
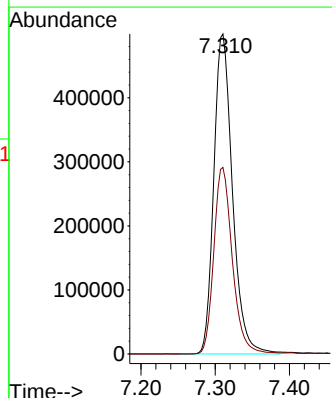
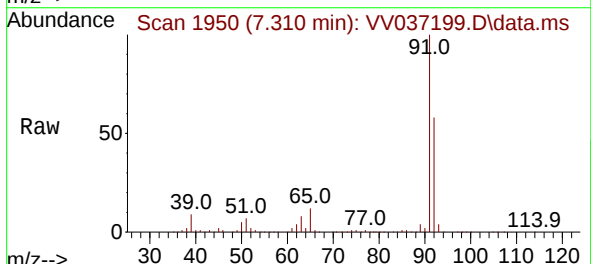
Acq: 04 Sep 2024 15:32

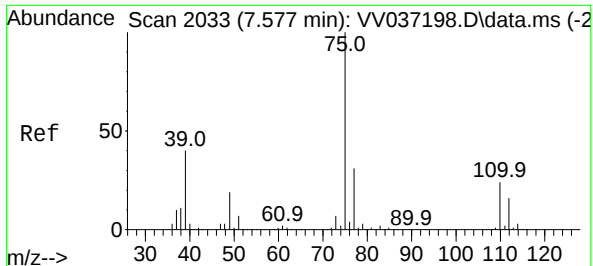
Tgt Ion: 91 Resp: 872543

Ion Ratio Lower Upper

91 100

92 58.3 39.7 73.7





#44

trans-1,3-Dichloropropene

Concen: 27.189 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

Instrument :

MSVOA\_V

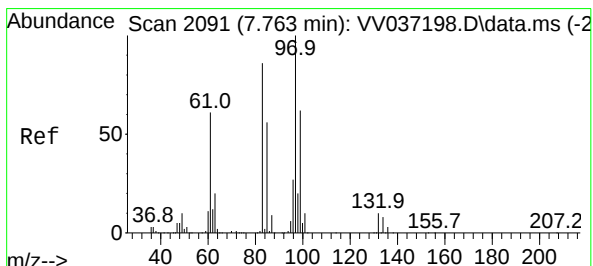
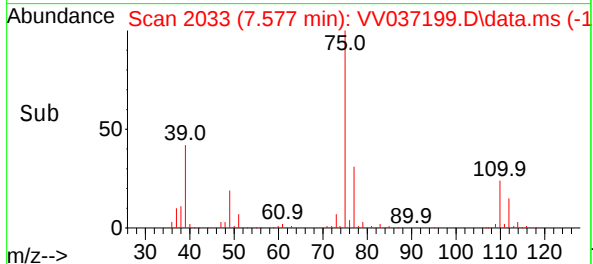
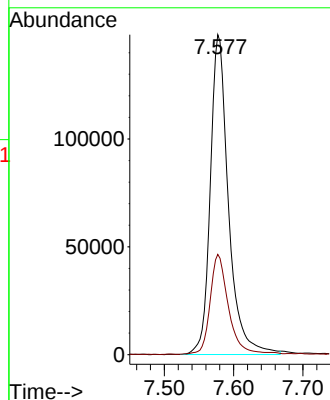
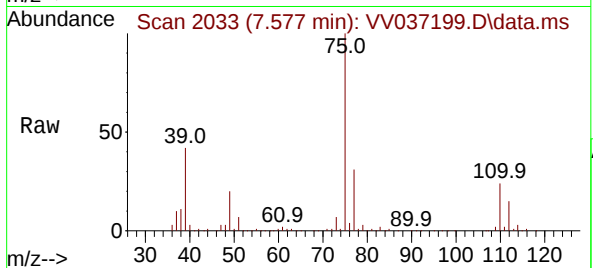
ClientSampleId :

Tgt Ion: 75 Resp: 269614

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.4



#45

1,1,2-Trichloroethane

Concen: 27.731 ug/L

RT: 7.764 min Scan# 2091

Delta R.T. 0.000 min

Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

Tgt Ion: 97 Resp: 167291

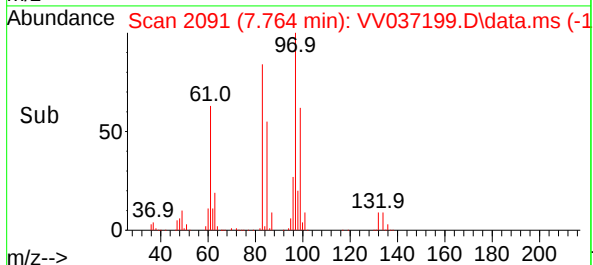
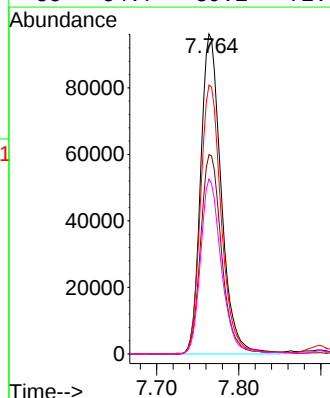
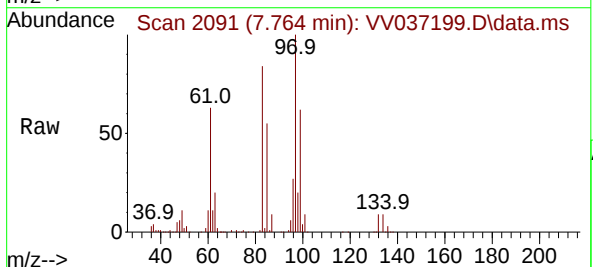
Ion Ratio Lower Upper

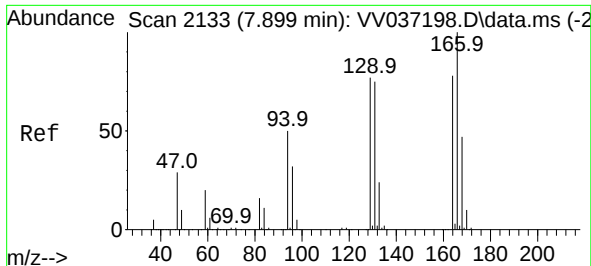
97 100

99 62.3 43.2 80.2

83 84.1 60.0 111.4

85 54.7 39.1 72.5





#46

Tetrachloroethene

Concen: 25.188 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. 0.000 min

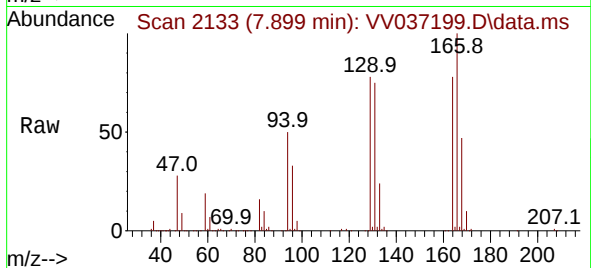
Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:164 Resp: 155567

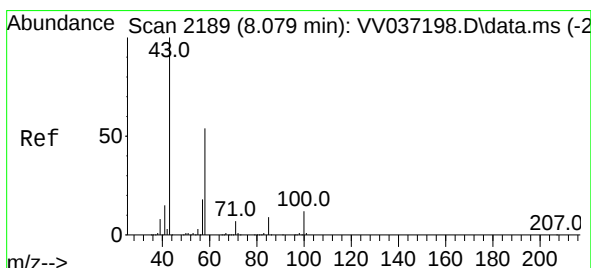
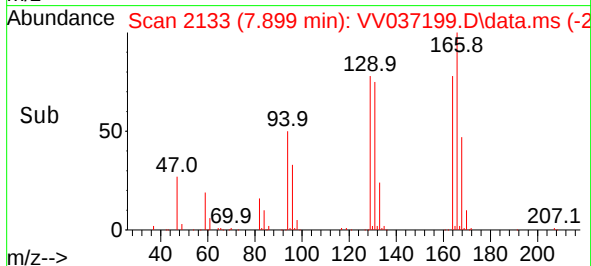
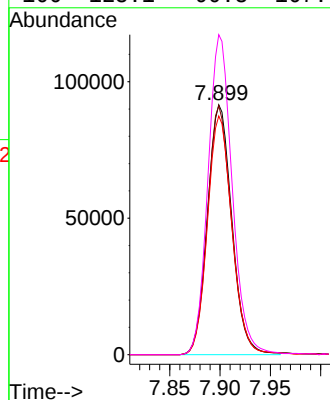
Ion Ratio Lower Upper

164 100

129 99.7 70.0 130.0

131 95.6 68.0 126.2

166 128.1 90.3 167.7



#48

2-Hexanone

Concen: 47.639 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. 0.000 min

Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

Tgt Ion: 43 Resp: 177782

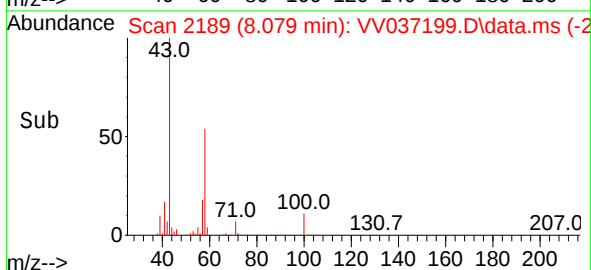
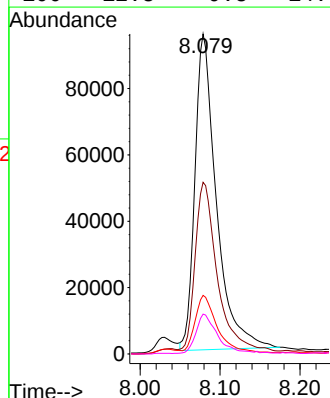
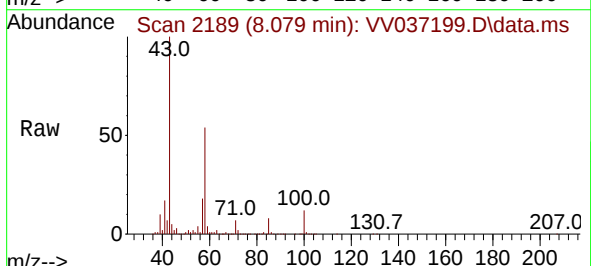
Ion Ratio Lower Upper

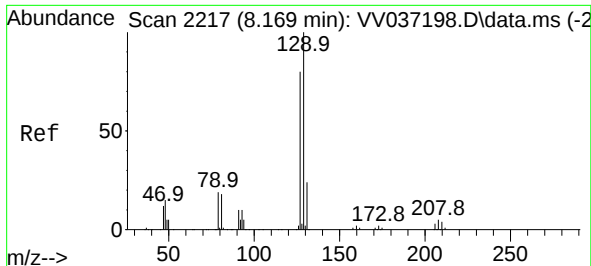
43 100

58 53.0 42.9 64.3

57 18.2 14.6 21.8

100 12.3 9.8 14.6





#49

Dibromochloromethane

Concen: 27.861 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.003 min

Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

Instrument :

MSVOA\_V

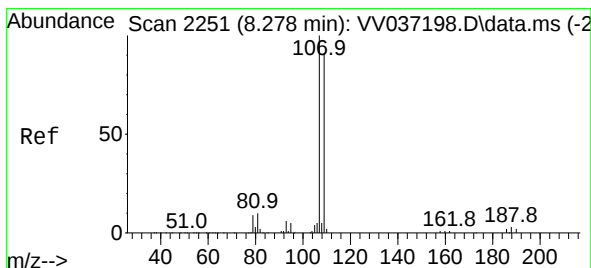
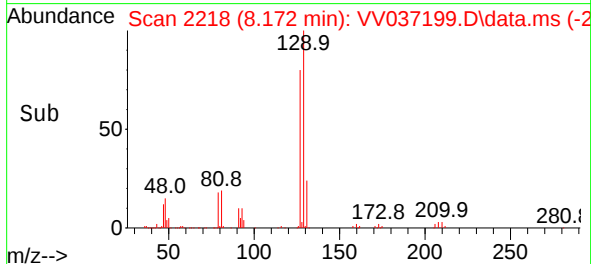
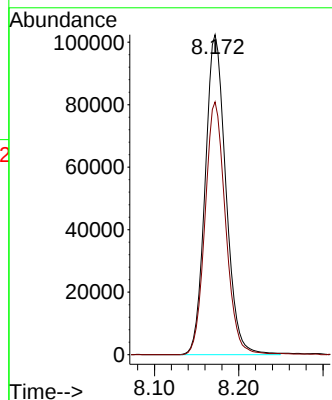
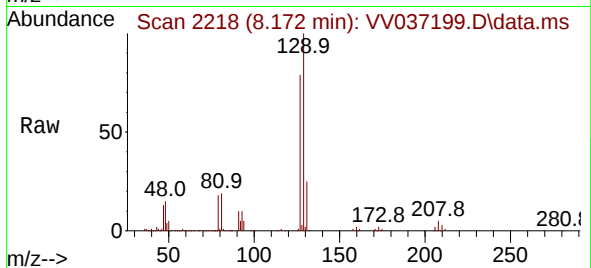
ClientSampleId :

Tgt Ion:129 Resp: 174887

Ion Ratio Lower Upper

129 100

127 79.0 56.0 104.0



#50

1,2-Dibromoethane

Concen: 27.514 ug/L

RT: 8.278 min Scan# 2251

Delta R.T. 0.000 min

Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

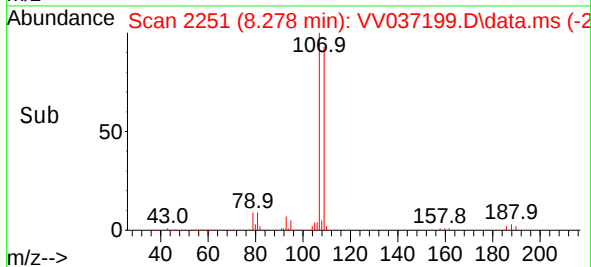
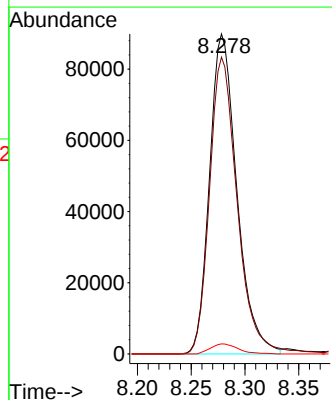
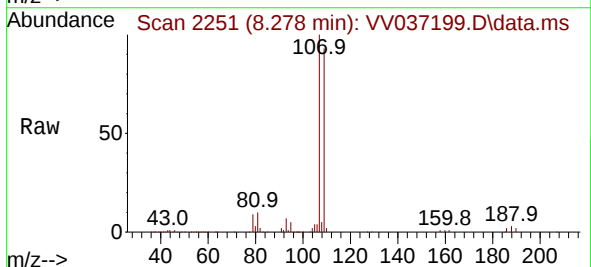
Tgt Ion:107 Resp: 158585

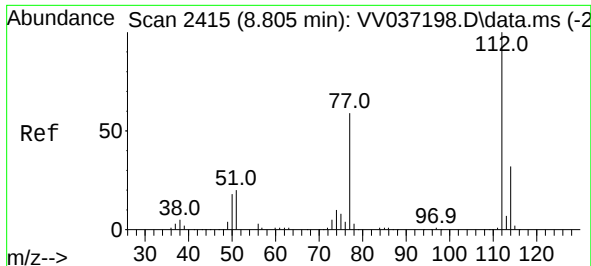
Ion Ratio Lower Upper

107 100

109 92.7 63.5 117.9

188 3.1 2.5 3.7





#51

Chlorobenzene

Concen: 26.873 ug/L

RT: 8.809 min Scan# 2415

Delta R.T. 0.003 min

Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

Instrument :

MSVOA\_V

ClientSampleId :

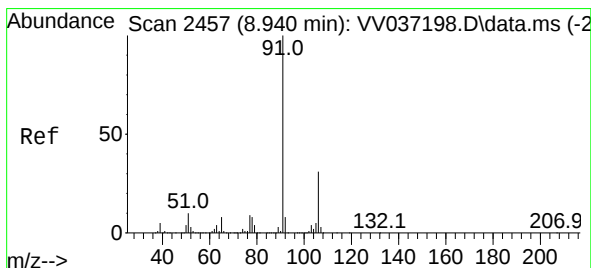
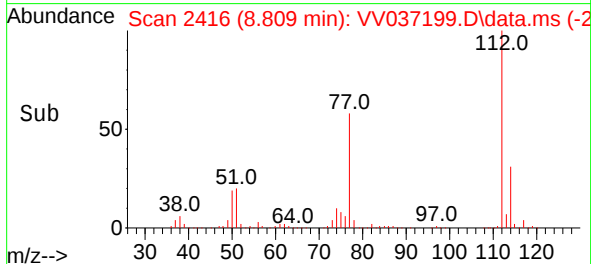
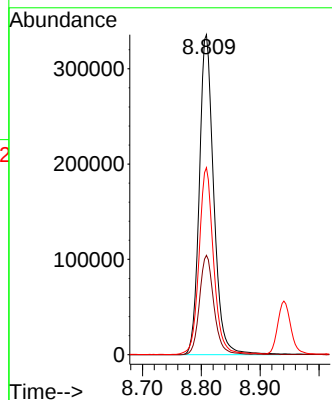
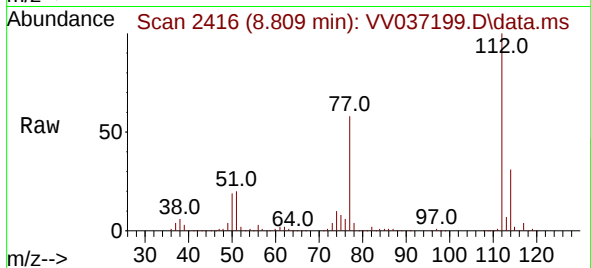
Tgt Ion:112 Resp: 571307

Ion Ratio Lower Upper

112 100

114 31.1 22.4 41.6

77 58.5 47.5 71.3



#52

Ethylbenzene

Concen: 26.760 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. 0.000 min

Lab File: VV037199.D

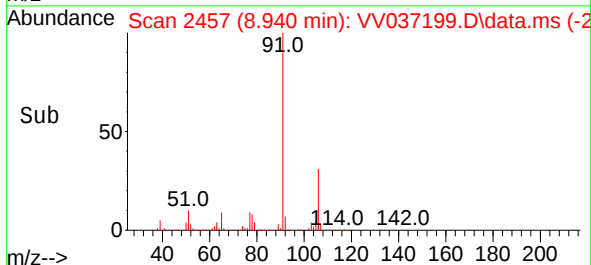
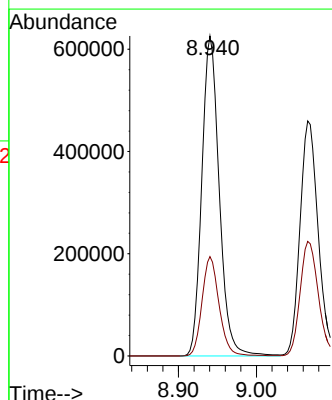
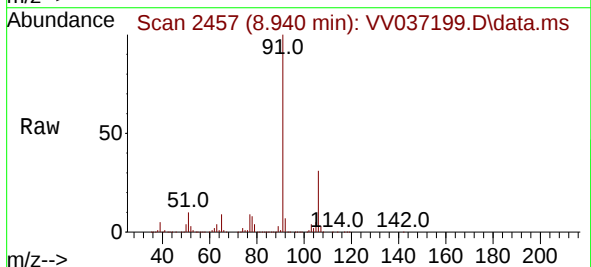
Acq: 04 Sep 2024 15:32

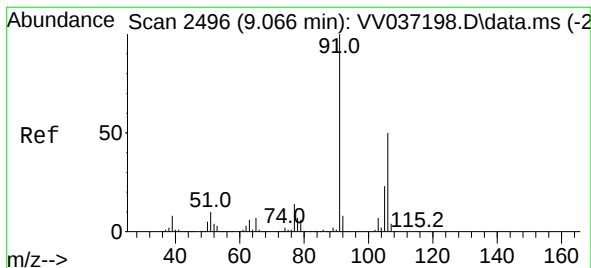
Tgt Ion: 91 Resp: 973536

Ion Ratio Lower Upper

91 100

106 31.1 21.5 39.9





#53

m,p-Xylene

Concen: 27.074 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. 0.000 min

Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

Instrument :

MSVOA\_V

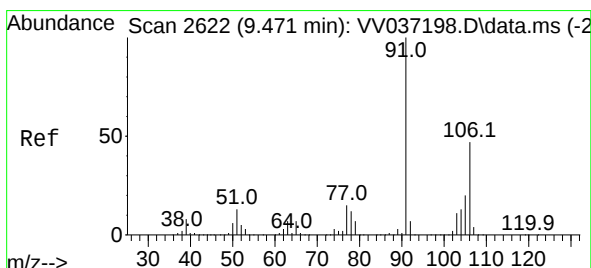
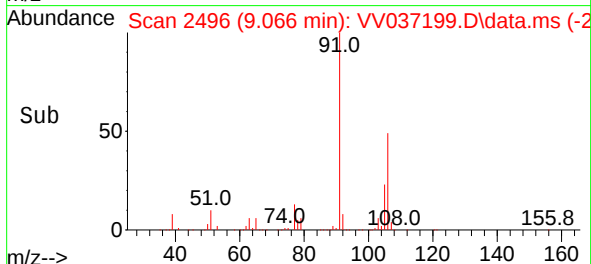
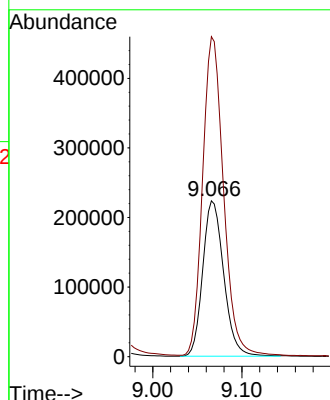
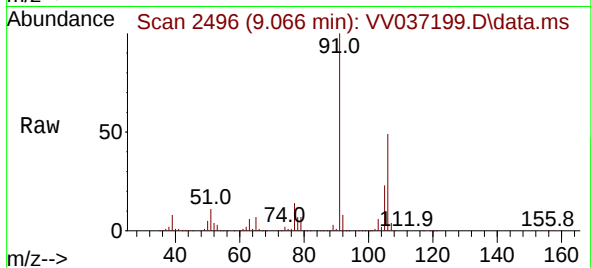
ClientSampleId :

Tgt Ion:106 Resp: 365422

Ion Ratio Lower Upper

106 100

91 205.3 141.6 263.0



#54

o-Xylene

Concen: 27.033 ug/L

RT: 9.471 min Scan# 2622

Delta R.T. 0.000 min

Lab File: VV037199.D

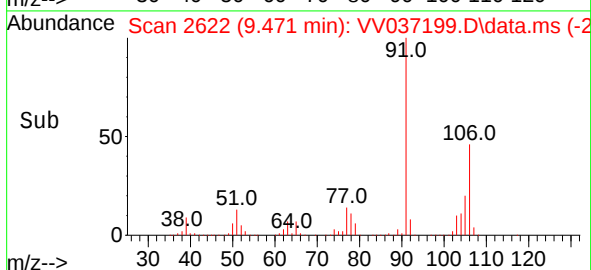
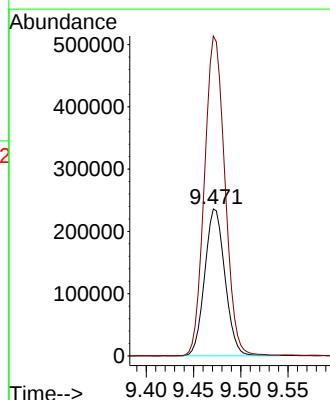
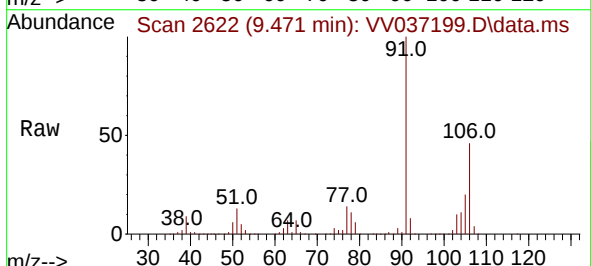
Acq: 04 Sep 2024 15:32

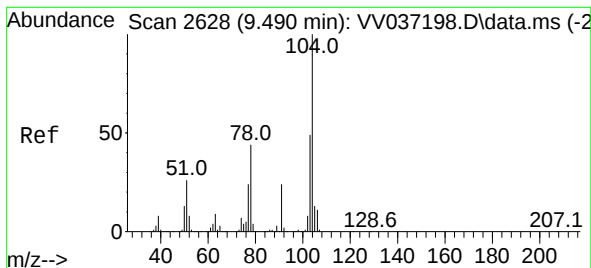
Tgt Ion:106 Resp: 351500

Ion Ratio Lower Upper

106 100

91 217.6 150.4 279.4





#55

Styrene

Concen: 28.327 ug/L

RT: 9.490 min Scan# 2

Delta R.T. 0.000 min

Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

Instrument :

MSVOA\_V

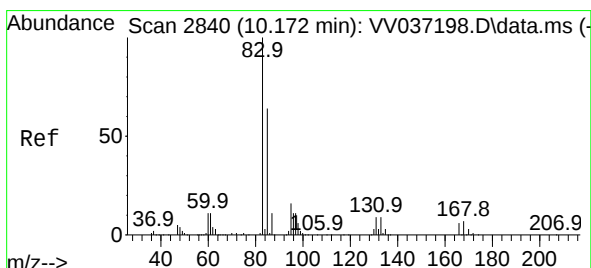
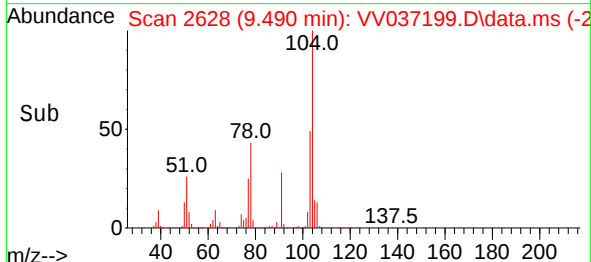
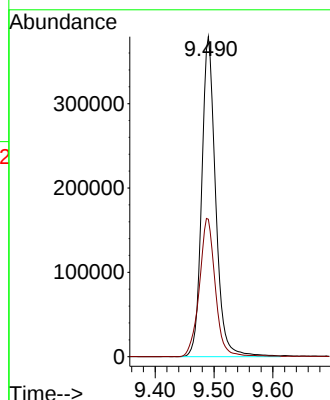
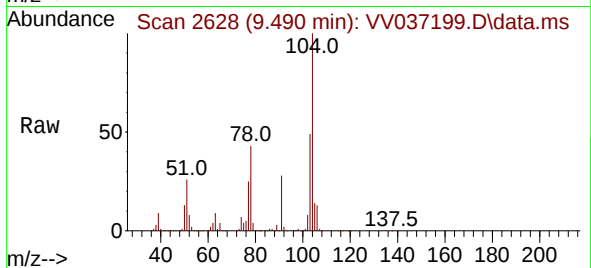
ClientSampleId :

Tgt Ion:104 Resp: 624588

Ion Ratio Lower Upper

104 100

78 43.0 30.6 56.8



#57

1,1,2,2-Tetrachloroethane

Concen: 27.351 ug/L

RT: 10.172 min Scan# 2840

Delta R.T. 0.000 min

Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

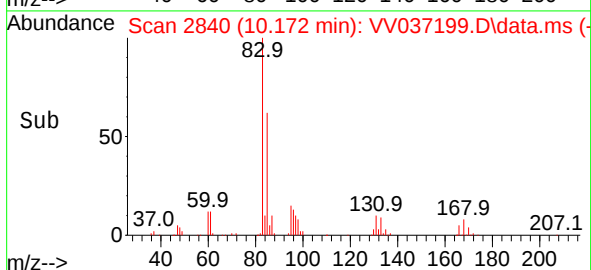
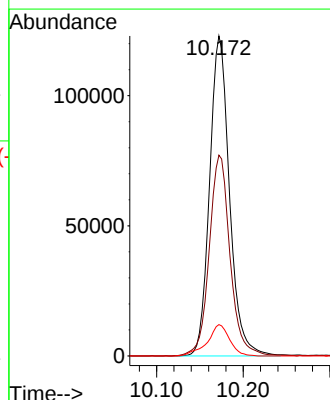
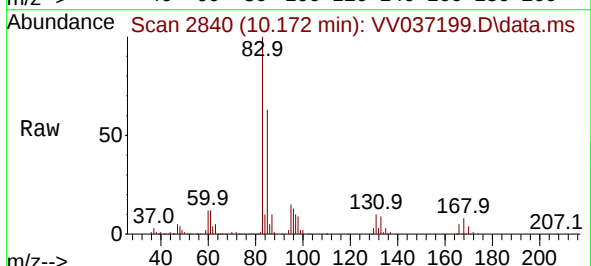
Tgt Ion: 83 Resp: 196627

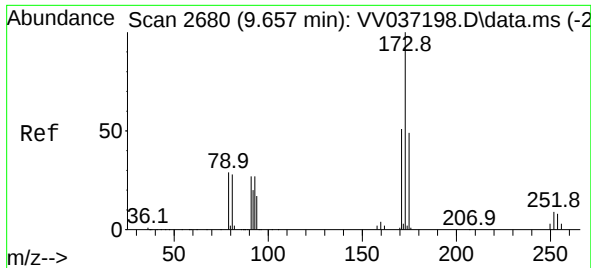
Ion Ratio Lower Upper

83 100

85 62.8 44.9 83.3

131 9.8 7.1 10.7





#59

Bromoform

Concen: 27.426 ug/L

RT: 9.661 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

Instrument :

MSVOA\_V

ClientSampleId :

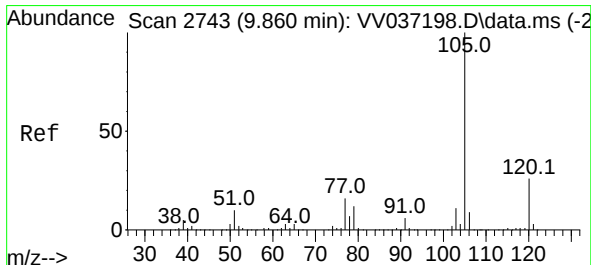
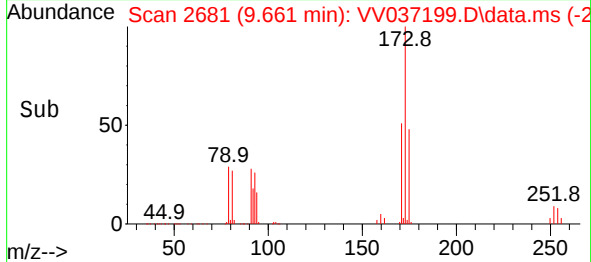
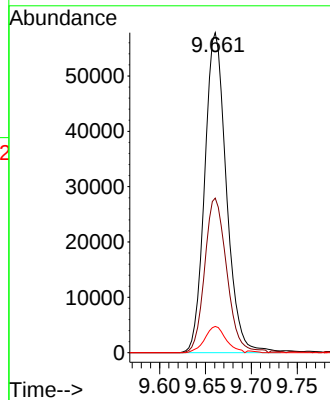
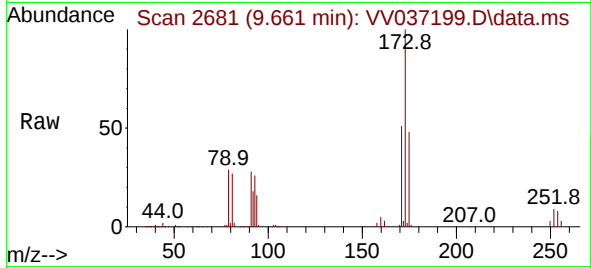
Tgt Ion:173 Resp: 95372

Ion Ratio Lower Upper

173 100

175 49.1 38.6 57.8

254 8.0 6.6 9.8



#60

Isopropylbenzene

Concen: 26.491 ug/L

RT: 9.860 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

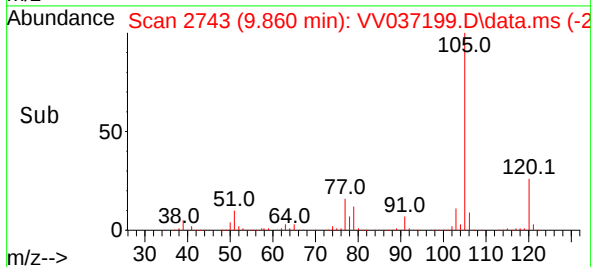
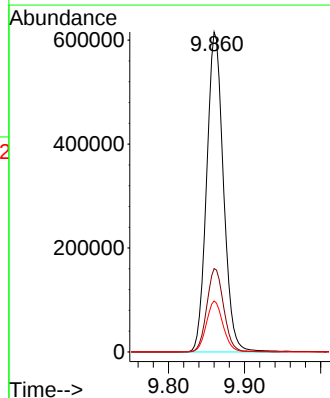
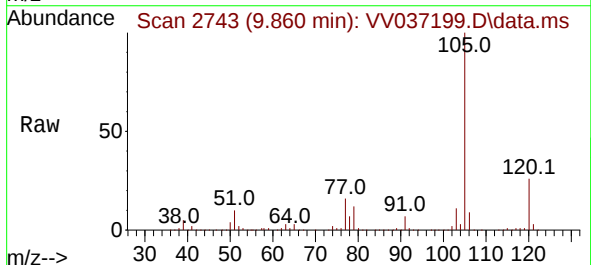
Tgt Ion:105 Resp: 942220

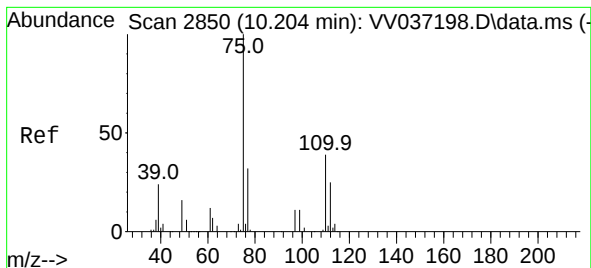
Ion Ratio Lower Upper

105 100

120 26.2 20.6 31.0

77 15.8 12.4 18.6





#61

1,2,3-Trichloropropane

Concen: 27.669 ug/L

RT: 10.204 min Scan# 2850

Delta R.T. 0.000 min

Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

Instrument :

MSVOA\_V

ClientSampleId :

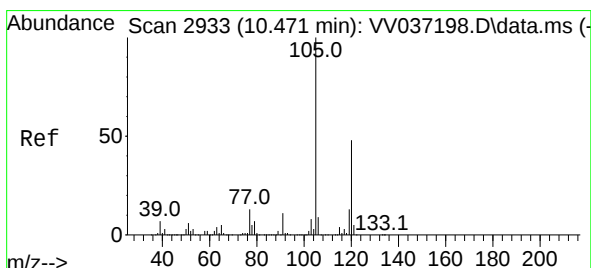
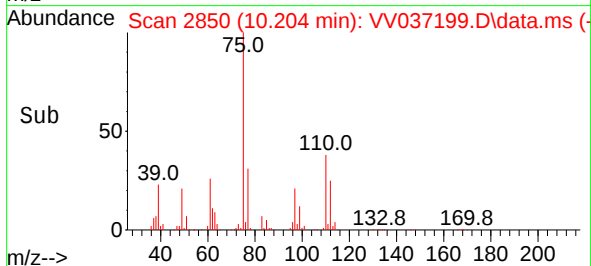
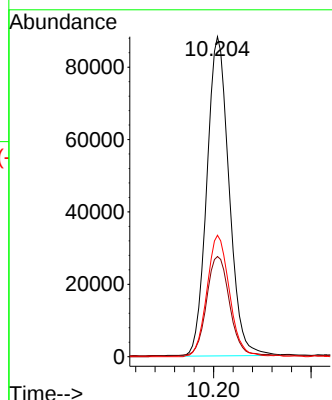
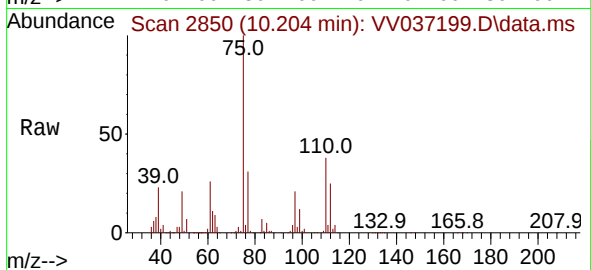
Tgt Ion: 75 Resp: 139640

Ion Ratio Lower Upper

75 100

77 32.4 24.6 36.8

110 38.5 30.8 46.2



#62

1,3,5-Trimethylbenzene

Concen: 27.481 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. 0.000 min

Lab File: VV037199.D

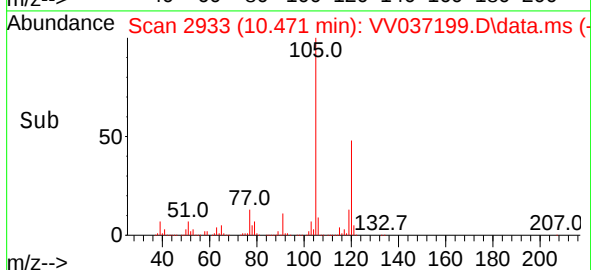
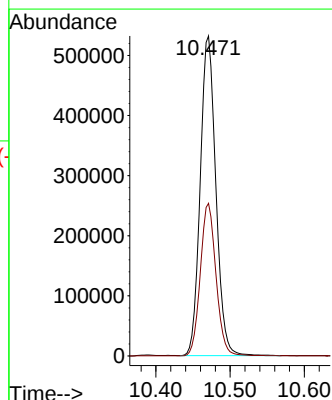
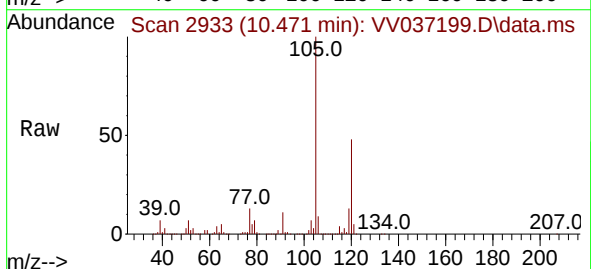
Acq: 04 Sep 2024 15:32

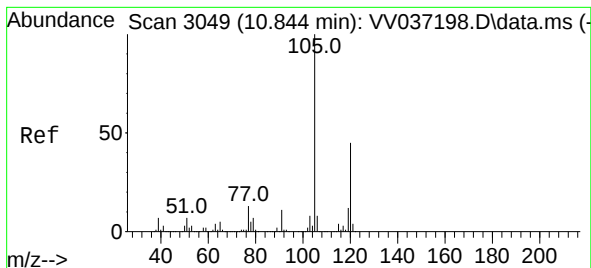
Tgt Ion:105 Resp: 776243

Ion Ratio Lower Upper

105 100

120 47.8 38.7 58.1





#63

1,2,4-Trimethylbenzene

Concen: 27.667 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

Instrument :

MSVOA\_V

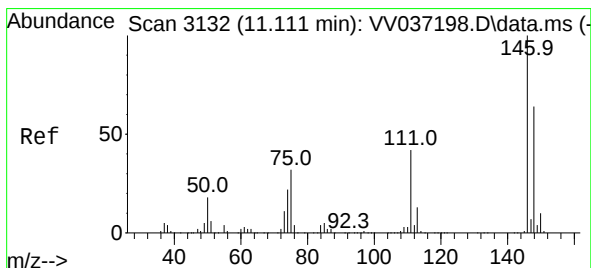
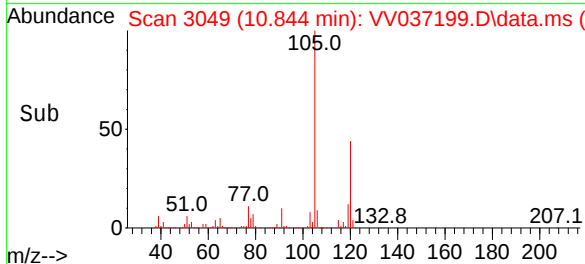
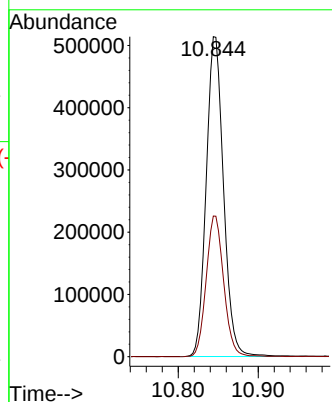
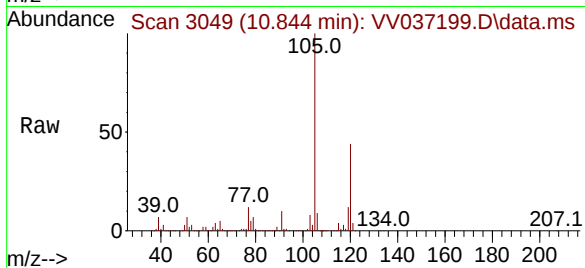
ClientSampleId :

Tgt Ion:105 Resp: 775075

Ion Ratio Lower Upper

105 100

120 44.6 35.8 53.6



#64

1,3-Dichlorobenzene

Concen: 26.789 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. 0.000 min

Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

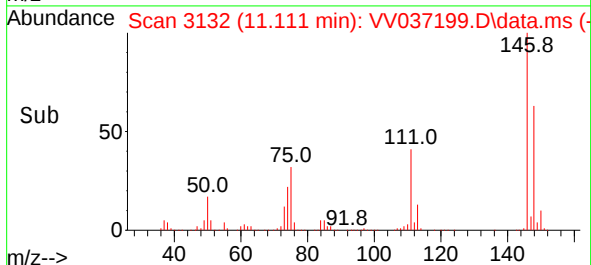
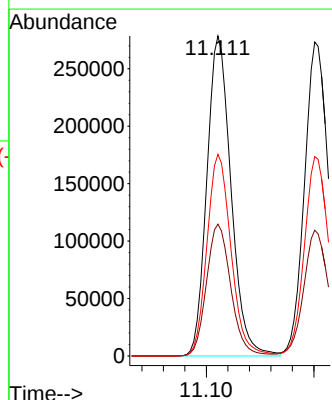
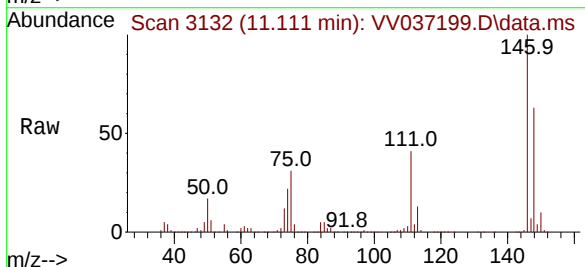
Tgt Ion:146 Resp: 434425

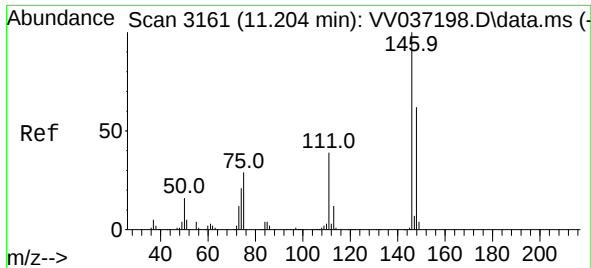
Ion Ratio Lower Upper

146 100

111 41.2 29.7 55.1

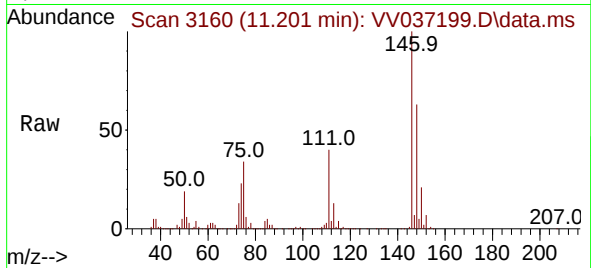
148 63.0 45.0 83.6



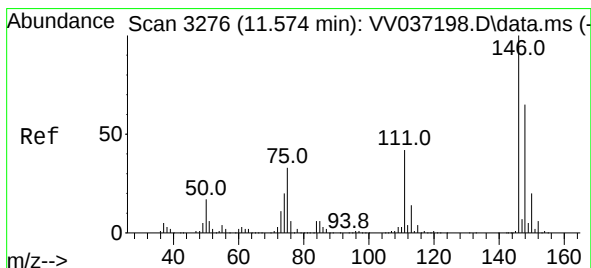
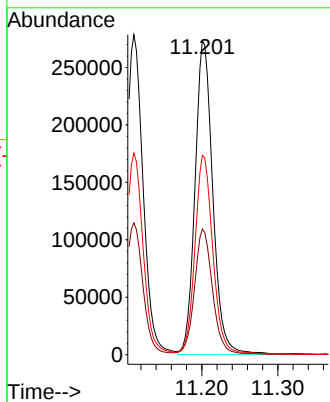
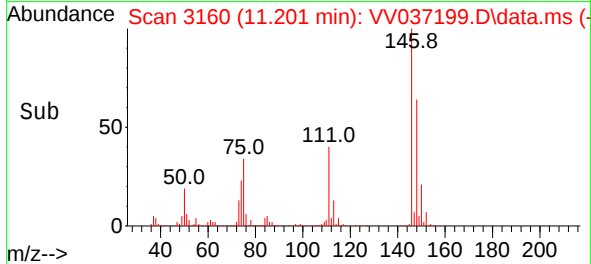


#65  
1,4-Dichlorobenzene  
Concen: 26.791 ug/L  
RT: 11.201 min Scan# 3160  
Delta R.T. -0.003 min  
Lab File: VV037199.D  
Acq: 04 Sep 2024 15:32

Instrument :  
MSVOA\_V  
ClientSampleId :

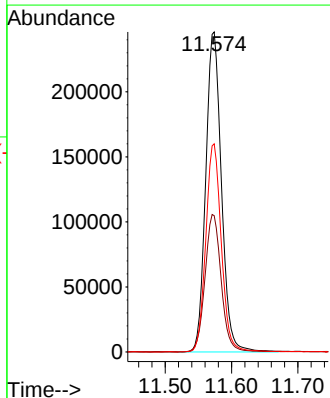
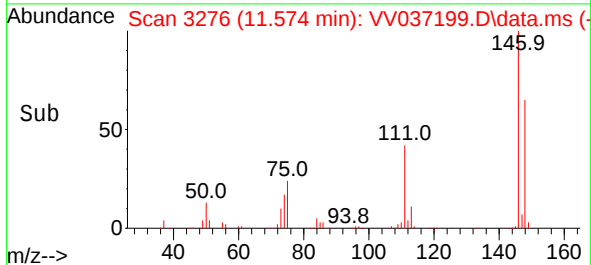
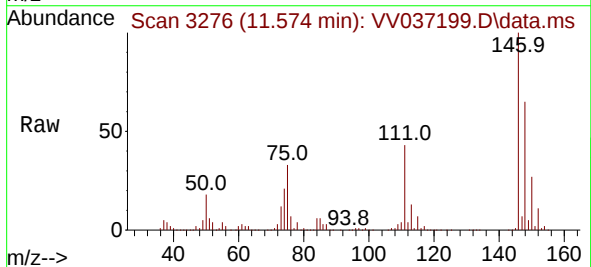


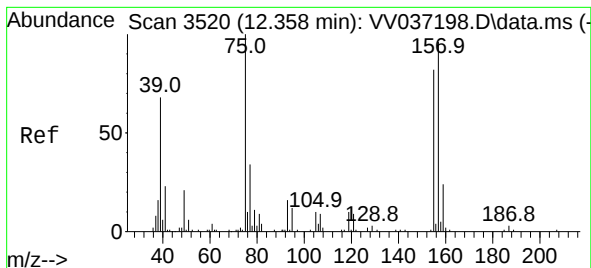
Tgt Ion:146 Resp: 442942  
Ion Ratio Lower Upper  
146 100  
111 40.1 27.6 51.4  
148 63.5 43.3 80.5



#67  
1,2-Dichlorobenzene  
Concen: 26.894 ug/L  
RT: 11.574 min Scan# 3276  
Delta R.T. 0.000 min  
Lab File: VV037199.D  
Acq: 04 Sep 2024 15:32

Tgt Ion:146 Resp: 404518  
Ion Ratio Lower Upper  
146 100  
111 42.6 34.1 51.1  
148 65.1 51.8 77.6





#68

1,2-Dibromo-3-chloropropane

Concen: 27.039 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. 0.000 min

Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

Instrument :

MSVOA\_V

ClientSampleId :

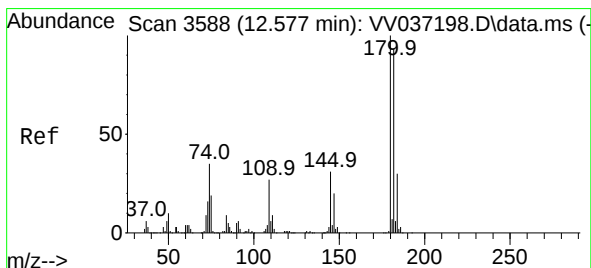
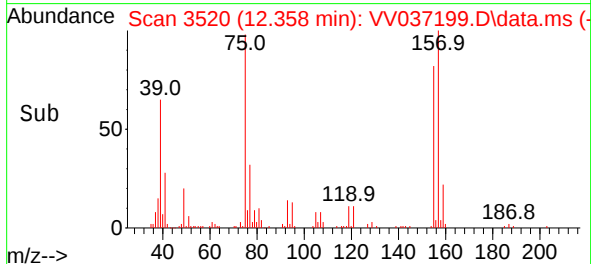
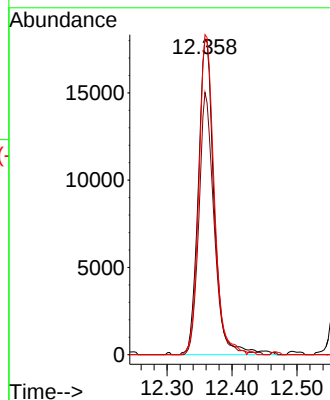
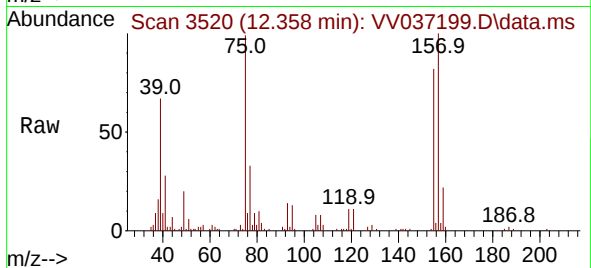
Tgt Ion: 75 Resp: 30799

Ion Ratio Lower Upper

75 100

155 83.1 65.6 98.4

157 101.4 76.9 115.3



#69

1,3,5-Trichlorobenzene

Concen: 25.832 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.000 min

Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

Tgt Ion:180 Resp: 297223

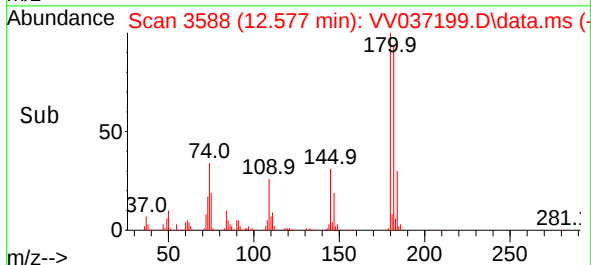
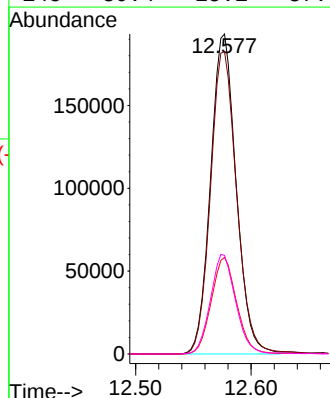
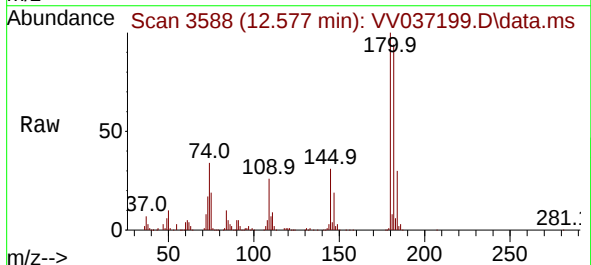
Ion Ratio Lower Upper

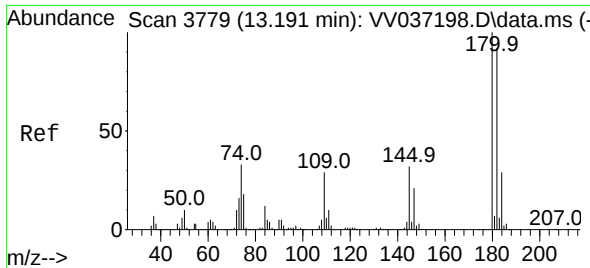
180 100

182 96.6 74.6 111.8

184 29.9 23.8 35.8

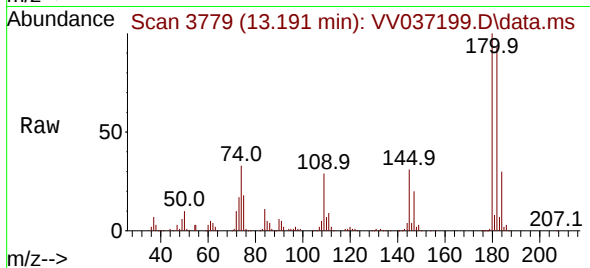
145 30.4 25.1 37.7



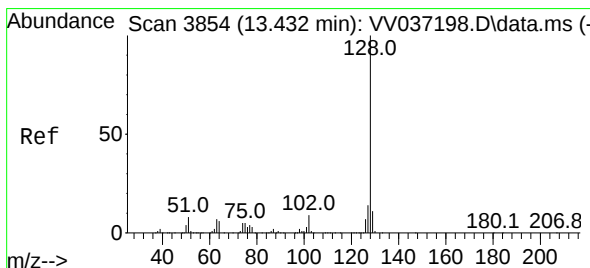
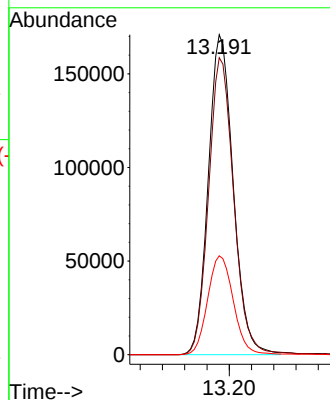
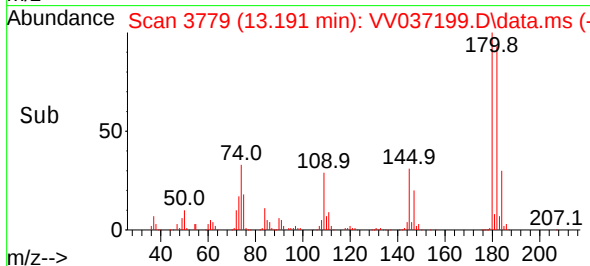


#70  
1,2,4-trichlorobenzene  
Concen: 26.154 ug/L  
RT: 13.191 min Scan# 3779  
Delta R.T. 0.000 min  
Lab File: VV037199.D  
Acq: 04 Sep 2024 15:32

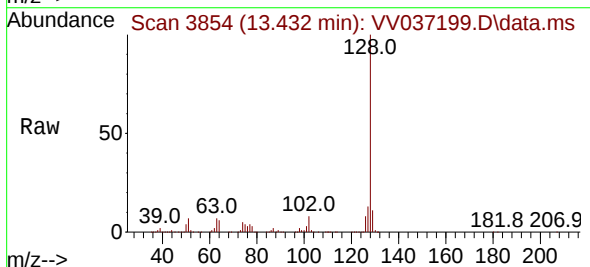
Instrument :  
MSVOA\_V  
ClientSampleId :



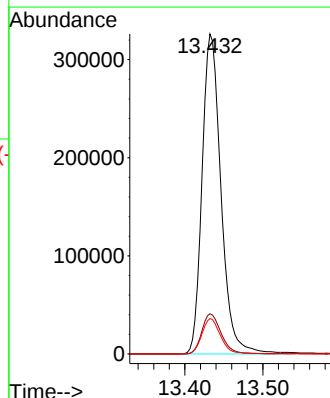
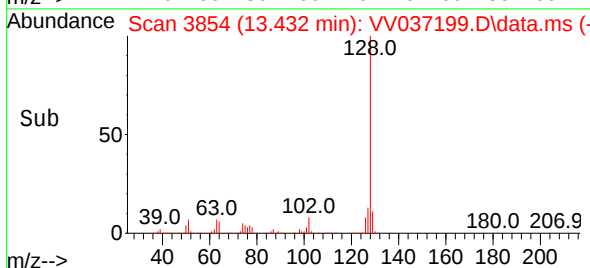
Tgt Ion:180 Resp: 265663  
Ion Ratio Lower Upper  
180 100  
182 93.7 74.9 112.3  
145 31.9 25.4 38.0

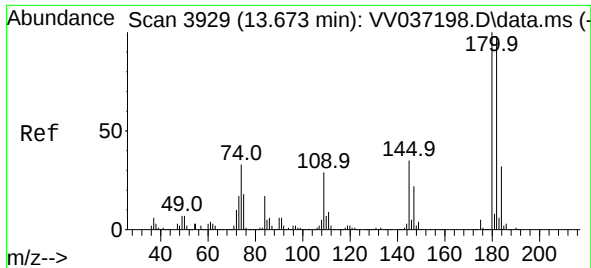


#71  
Naphthalene  
Concen: 27.786 ug/L  
RT: 13.432 min Scan# 3854  
Delta R.T. 0.000 min  
Lab File: VV037199.D  
Acq: 04 Sep 2024 15:32



Tgt Ion:128 Resp: 550594  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.5 15.7  
129 10.9 8.2 12.2





#72

1,2,3-Trichlorobenzene

Concen: 26.450 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. 0.000 min

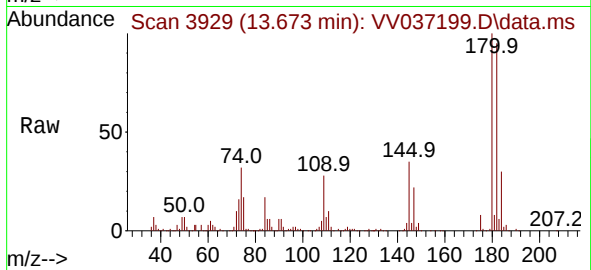
Lab File: VV037199.D

Acq: 04 Sep 2024 15:32

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 246723

Ion Ratio Lower Upper

180 100

182 94.7 78.0 117.0

145 34.2 27.9 41.9

