

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW052524\  
 Data File : VW035828.D  
 Acq On : 26 May 2024 03:35  
 Operator : SY/MD  
 Sample : P2586-06MS  
 Misc : 4.38g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: May 27 05:35:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050624SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon May 27 05:15:54 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.532  | 114   | 242780   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.786  | 117   | 152027   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.188 | 152   | 37051    | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.272  | 65    | 173956   | 46.358   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 185.440%# |
| 7) Chloroethane-d5            | 1.526  | 69    | 138480   | 45.745   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 182.960%# |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65    | 67142    | 40.416   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 161.680%# |
| 21) 2-Butanone-d5             | 3.873  | 46    | 11508    | 10.806   | ug/L   | 0.03      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 21.620%   |
| 24) Chloroform-d              | 4.246  | 84    | 266728   | 36.955   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 147.800%  |
| 26) 1,2-Dichloroethane-d4     | 4.941  | 65    | 141461   | 39.645   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 158.600%# |
| 32) Benzene-d6                | 4.957  | 84    | 471302   | 56.634   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 226.520%# |
| 36) 1,2-Dichloropropane-d6    | 5.986  | 67    | 154282   | 60.074   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 240.280%# |
| 41) Toluene-d8                | 7.243  | 98    | 312652   | 42.213   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 168.840%# |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79    | 25040    | 22.798   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 91.200%   |
| 47) 2-Hexanone-d5             | 8.047  | 63    | 7049     | 15.264   | ug/L   | 0.02      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 30.520%   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153 | 84    | 80568    | 32.556   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 130.240%# |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152   | 34206    | 26.602   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 106.400%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 1.101  | 85    | 149043   | 30.196   | ug/L   | 99        |
| 3) Chloromethane              | 1.211  | 50    | 102333   | 20.650   | ug/L   | 100       |
| 5) Vinyl chloride             | 1.278  | 62    | 156362   | 30.540   | ug/L   | 98        |
| 6) Bromomethane               | 1.481  | 94    | 44130    | 13.613   | ug/L   | 97        |
| 8) Chloroethane               | 1.542  | 64    | 104147   | 32.999   | ug/L   | 99        |
| 9) Trichlorofluoromethane     | 1.706  | 101   | 214530   | 32.102   | ug/L   | 100       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.060  | 101   | 137061   | 32.507   | ug/L   | 99        |
| 12) 1,1-Dichloroethene        | 2.063  | 96    | 122171   | 32.079   | ug/L # | 86        |
| 13) Acetone                   | 2.391  | 43    | 12700    | 8.147    | ug/L   | 72        |
| 14) Carbon disulfide          | 2.233  | 76    | 206523   | 17.121   | ug/L   | 100       |
| 16) Methylene chloride        | 2.442  | 84    | 157157   | 28.071   | ug/L   | 97        |
| 17) trans-1,2-Dichloroethene  | 2.690  | 96    | 110032   | 26.025   | ug/L   | 99        |
| 18) Methyl tert-butyl Ether   | 2.703  | 73    | 392946   | 38.529   | ug/L   | 99        |
| 19) 1,1-Dichloroethane        | 3.108  | 63    | 272555   | 34.386   | ug/L   | 99        |
| 20) cis-1,2-Dichloroethene    | 3.812  | 96    | 120401   | 26.269   | ug/L   | 97        |
| 22) 2-Butanone                | 3.928  | 43    | 33421    | 23.086   | ug/L # | 68        |
| 23) Bromochloromethane        | 4.146  | 128   | 71844    | 32.409   | ug/L   | 99        |
| 25) Chloroform                | 4.272  | 83    | 270149   | 33.006   | ug/L   | 99        |
| 27) 1,2-Dichloroethane        | 5.037  | 62    | 174954   | 34.327   | ug/L   | 97        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV052524\  
 Data File : VV035828.D  
 Acq On : 26 May 2024 03:35  
 Operator : SY/MD  
 Sample : P2586-06MS  
 Misc : 4.38g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 50 Sample Multiplier: 1

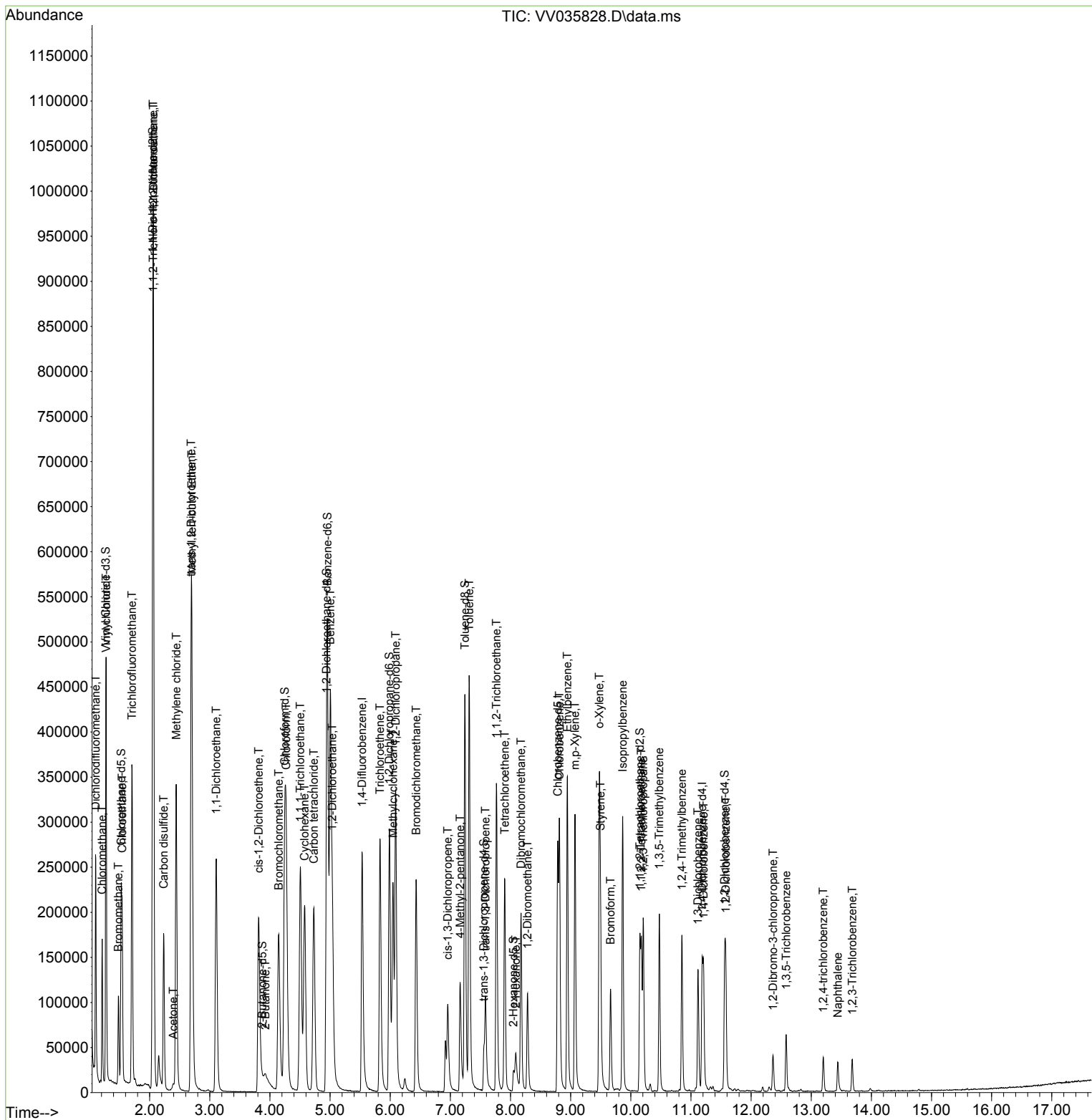
Instrument :  
 MSVOA\_V  
 ClientSampleId :

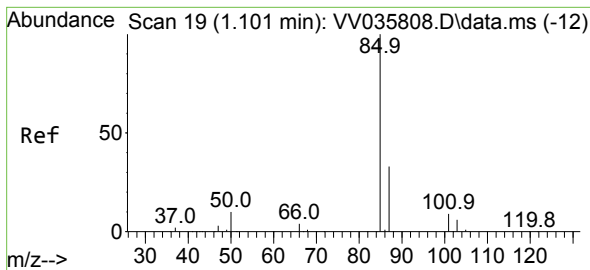
Quant Time: May 27 05:35:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050624SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon May 27 05:15:54 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 29) Cyclohexane               | 4.577  | 56   | 103331   | 28.423 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 4.507  | 97   | 208644   | 49.497 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 4.732  | 117  | 163606   | 44.235 | ug/L   | 99       |
| 33) Benzene                   | 5.005  | 78   | 471508   | 46.862 | ug/L   | 100      |
| 34) Trichloroethene           | 5.831  | 95   | 105019   | 36.899 | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.047  | 83   | 90327    | 20.904 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.092  | 63   | 138278   | 52.675 | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.432  | 83   | 172322   | 48.457 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 6.957  | 75   | 63120    | 15.373 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.162  | 43   | 89032    | 56.630 | ug/L   | 93       |
| 42) Toluene                   | 7.313  | 91   | 361002   | 33.903 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 7.584  | 75   | 69691    | 19.403 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 112168   | 50.289 | ug/L   | 99       |
| 46) Tetrachloroethene         | 7.905  | 164  | 56666    | 24.507 | ug/L   | 99       |
| 48) 2-Hexanone                | 8.088  | 43   | 36407    | 30.885 | ug/L # | 82       |
| 49) Dibromochloromethane      | 8.175  | 129  | 104003   | 41.323 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.284  | 107  | 74503    | 33.906 | ug/L   | 99       |
| 51) Chlorobenzene             | 8.815  | 112  | 174015   | 23.552 | ug/L   | 99       |
| 52) Ethylbenzene              | 8.947  | 91   | 245962   | 20.921 | ug/L   | 98       |
| 53) m,p-Xylene                | 9.072  | 106  | 87489    | 19.615 | ug/L   | 99       |
| 54) o-Xylene                  | 9.477  | 106  | 85061    | 20.121 | ug/L   | 100      |
| 55) Styrene                   | 9.497  | 104  | 103211   | 13.998 | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 84275    | 31.017 | ug/L   | 98       |
| 59) Bromoform                 | 9.664  | 173  | 53397    | 73.334 | ug/L   | 100      |
| 60) Isopropylbenzene          | 9.866  | 105  | 189318   | 38.359 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 79283    | 91.317 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 101540   | 26.226 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 92812    | 23.327 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 58839    | 22.717 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.210 | 146  | 56573    | 21.098 | ug/L   | 100      |
| 67) 1,2-Dichlorobenzene       | 11.580 | 146  | 53617    | 21.991 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 11192    | 55.582 | ug/L   | 85       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 21381    | 10.564 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.201 | 180  | 13320    | 7.881  | ug/L   | 99       |
| 71) Naphthalene               | 13.442 | 128  | 28662    | 9.660  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.683 | 180  | 10824    | 7.119  | ug/L   | 99       |

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

Quant Time: May 27 05:35:52 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050624SMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon May 27 05:15:54 2024  
Response via : Initial Calibration

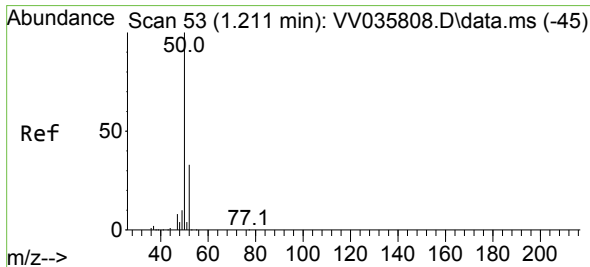
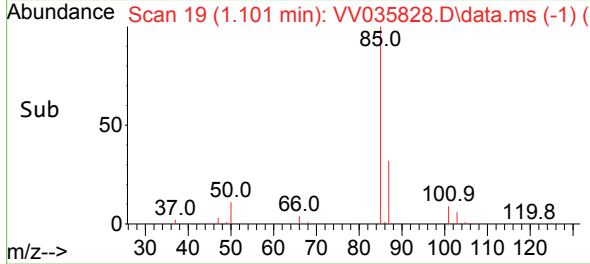
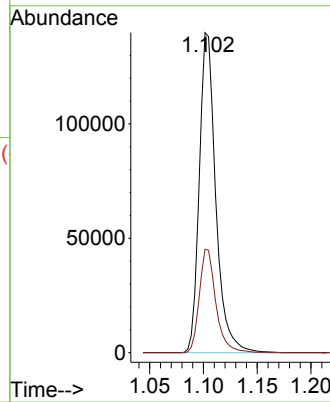
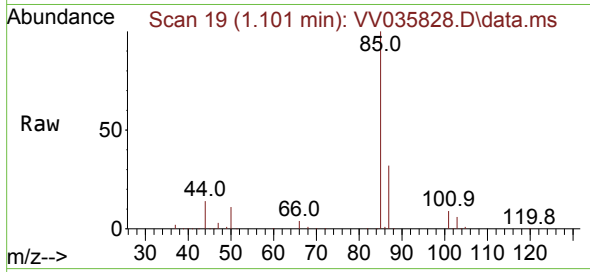




#2  
Dichlorodifluoromethane  
Concen: 30.196 ug/L  
RT: 1.101 min Scan# 19  
Delta R.T. 0.000 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35

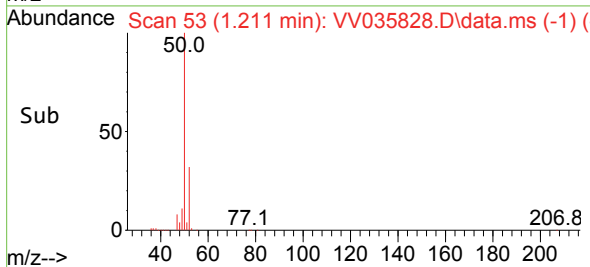
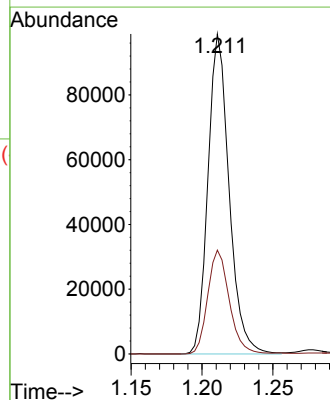
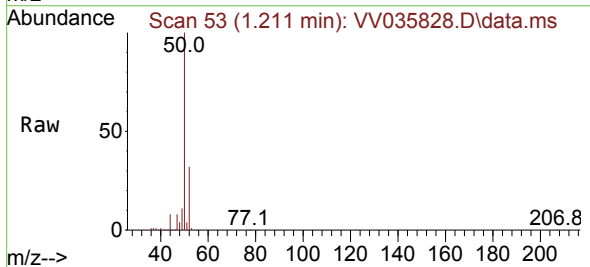
Instrument :  
MSVOA\_V  
ClientSampleId :

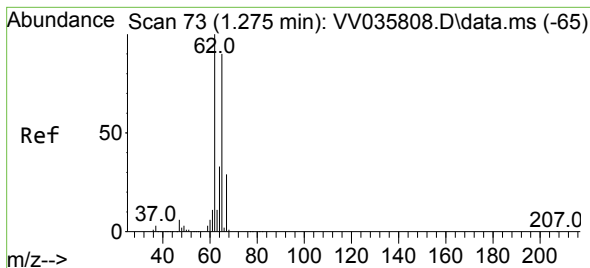
Tgt Ion: 85 Resp: 149043  
Ion Ratio Lower Upper  
85 100  
87 32.5 25.8 38.6



#3  
Chloromethane  
Concen: 20.650 ug/L  
RT: 1.211 min Scan# 53  
Delta R.T. 0.000 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35

Tgt Ion: 50 Resp: 102333  
Ion Ratio Lower Upper  
50 100  
52 32.5 22.7 42.1





#5

Vinyl chloride

Concen: 30.540 ug/L

RT: 1.278 min Scan# 74

Delta R.T. 0.003 min

Lab File: VV035828.D

Acq: 26 May 2024 03:35

Instrument :

MSVOA\_V

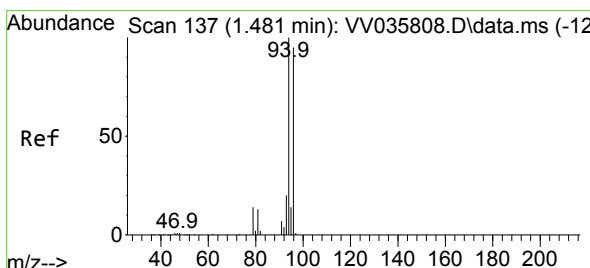
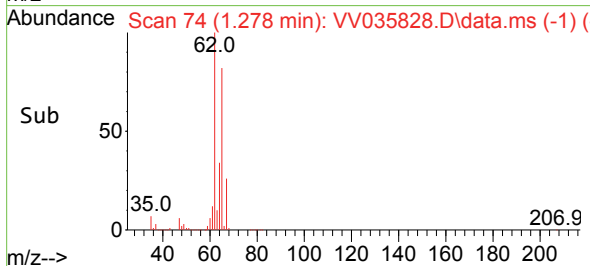
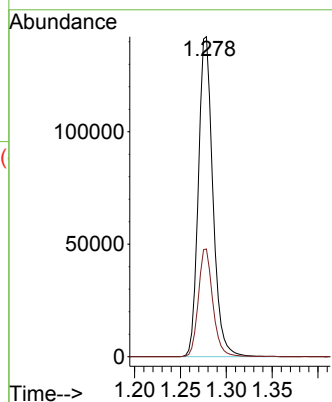
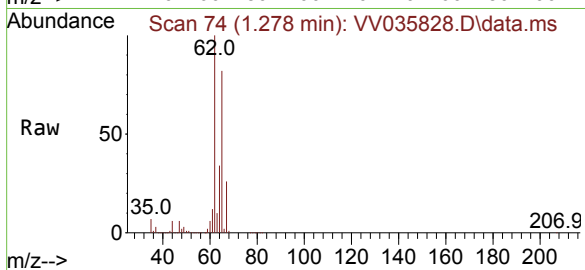
ClientSampleId :

Tgt Ion: 62 Resp: 156362

Ion Ratio Lower Upper

62 100

64 33.6 23.0 42.6



#6

Bromomethane

Concen: 13.613 ug/L

RT: 1.481 min Scan# 137

Delta R.T. 0.000 min

Lab File: VV035828.D

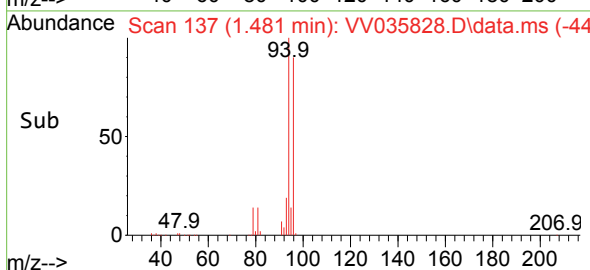
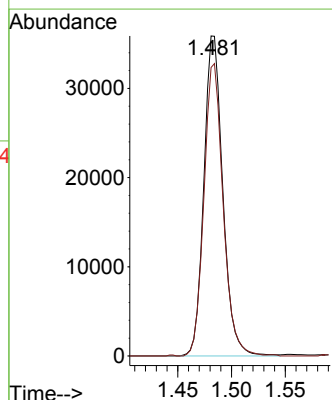
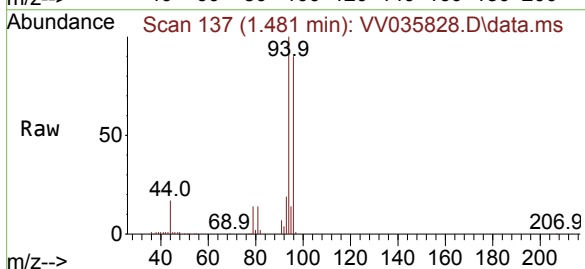
Acq: 26 May 2024 03:35

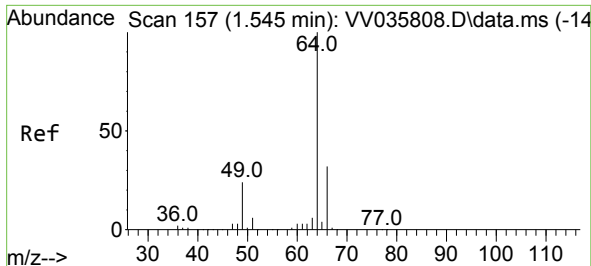
Tgt Ion: 94 Resp: 44130

Ion Ratio Lower Upper

94 100

96 90.1 65.2 121.0

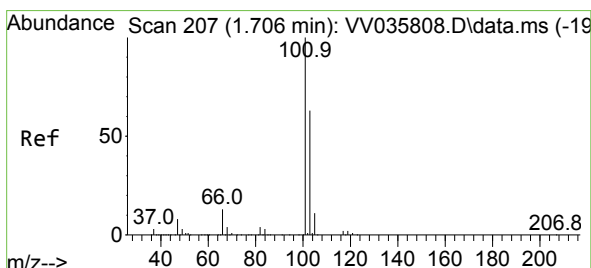
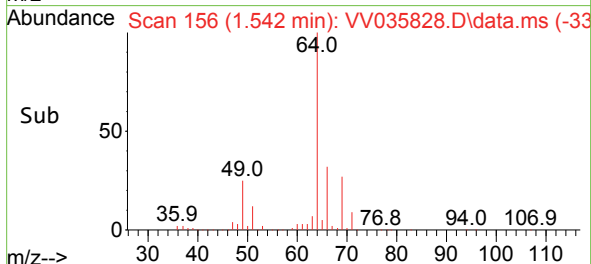
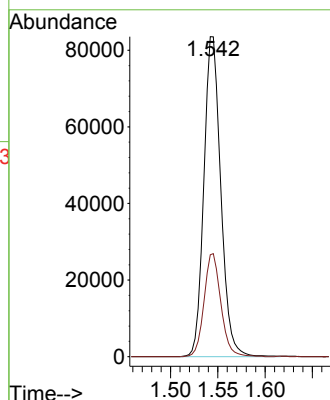
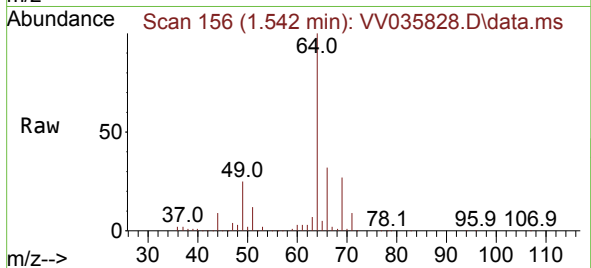




#8  
Chloroethane  
Concen: 32.999 ug/L  
RT: 1.542 min Scan# 156  
Delta R.T. -0.003 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35

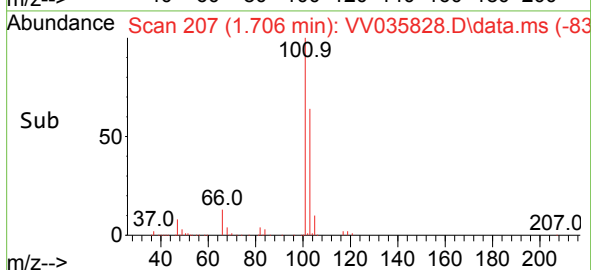
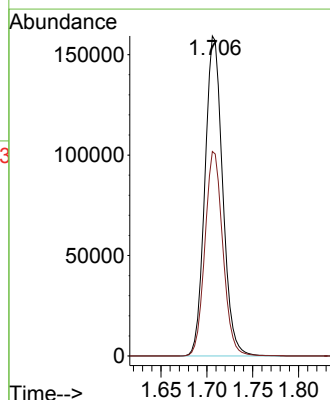
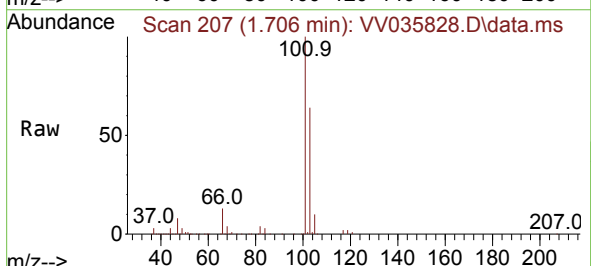
Instrument :  
MSVOA\_V  
ClientSampleId :

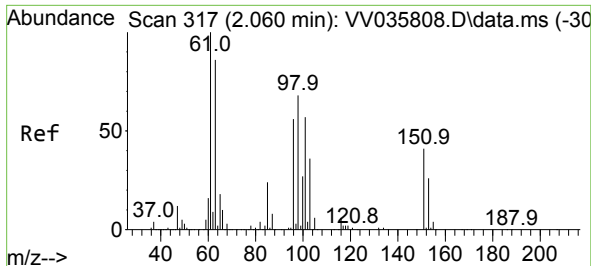
Tgt Ion: 64 Resp: 104147  
Ion Ratio Lower Upper  
64 100  
66 31.9 22.0 40.8



#9  
Trichlorofluoromethane  
Concen: 32.102 ug/L  
RT: 1.706 min Scan# 207  
Delta R.T. 0.000 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35

Tgt Ion:101 Resp: 214530  
Ion Ratio Lower Upper  
101 100  
103 64.4 51.5 77.3

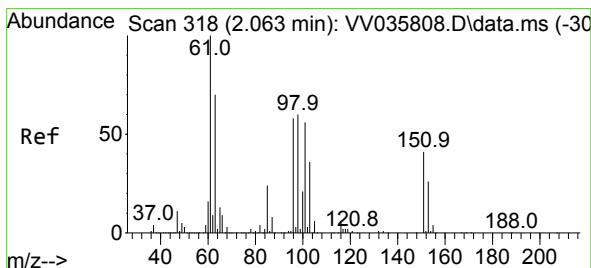
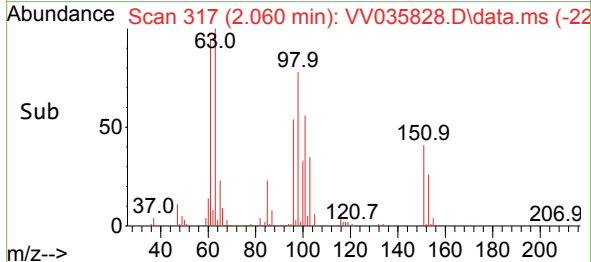
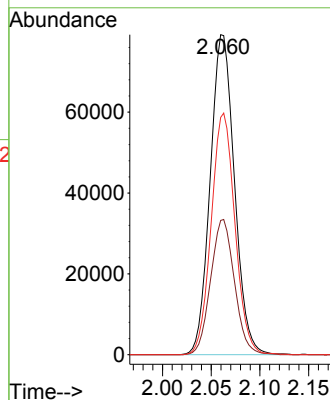
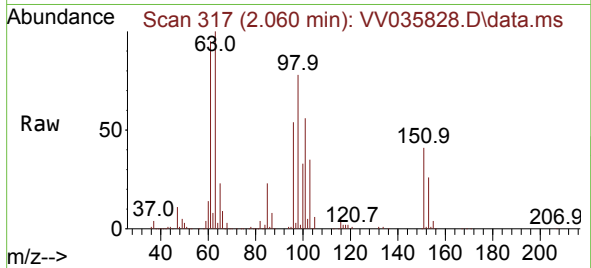




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 32.507 ug/L  
RT: 2.060 min Scan# 317  
Delta R.T. 0.000 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35

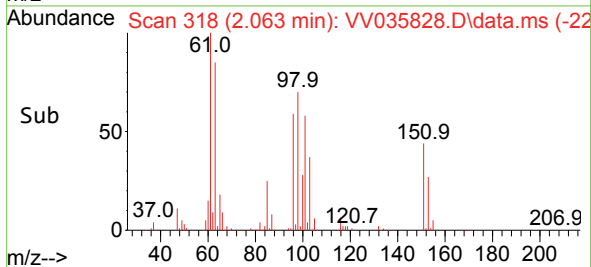
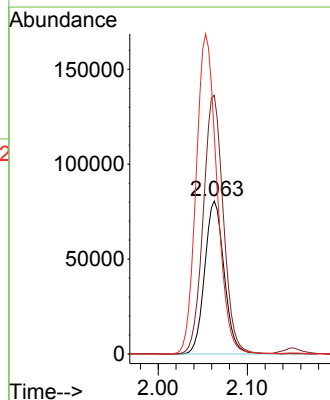
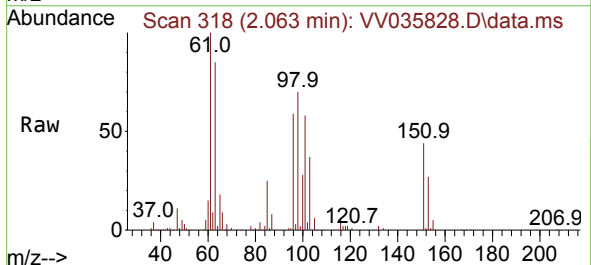
Instrument :  
MSVOA\_V  
ClientSampleId :

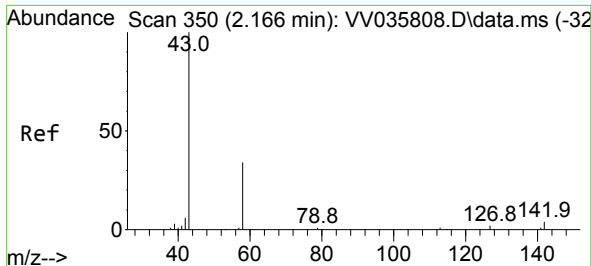
Tgt Ion:101 Resp: 137061  
Ion Ratio Lower Upper  
101 100  
85 41.5 34.2 51.4  
151 73.9 59.5 89.3



#12  
1,1-Dichloroethene  
Concen: 32.079 ug/L  
RT: 2.063 min Scan# 318  
Delta R.T. 0.000 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35

Tgt Ion: 96 Resp: 122171  
Ion Ratio Lower Upper  
96 100  
61 169.2 119.8 222.4  
63 143.4 75.6 140.4#





#13

Acetone

Concen: 8.147 ug/L

RT: 2.391 min Scan# 41

Delta R.T. 0.225 min

Lab File: VV035828.D

Acq: 26 May 2024 03:35

Instrument :

MSVOA\_V

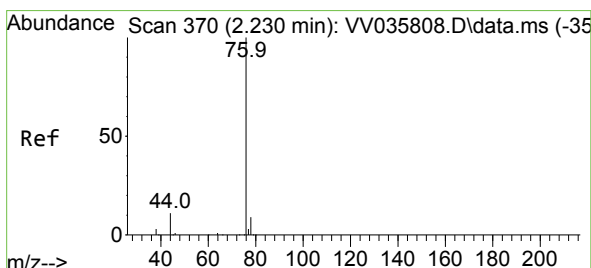
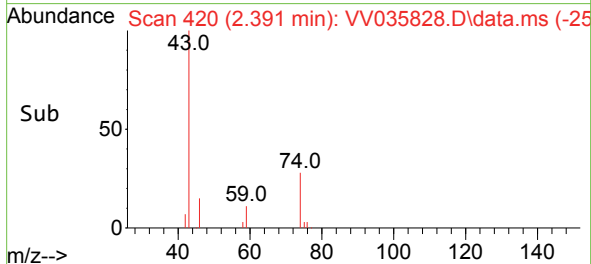
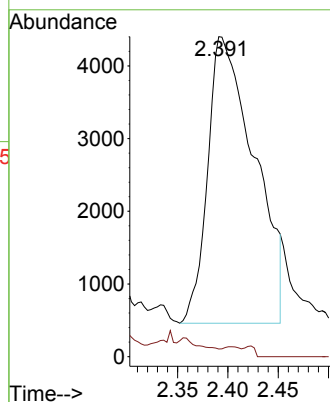
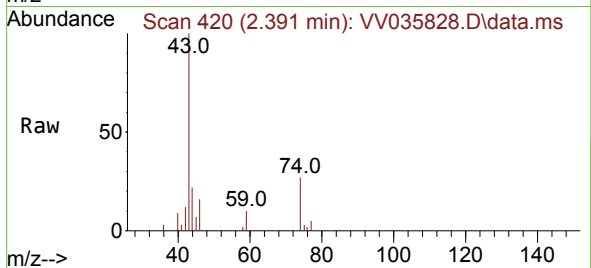
ClientSampleId :

Tgt Ion: 43 Resp: 12700

Ion Ratio Lower Upper

43 100

58 0.7 0.0 22.8



#14

Carbon disulfide

Concen: 17.121 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.003 min

Lab File: VV035828.D

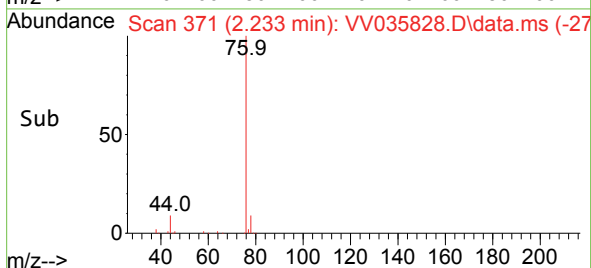
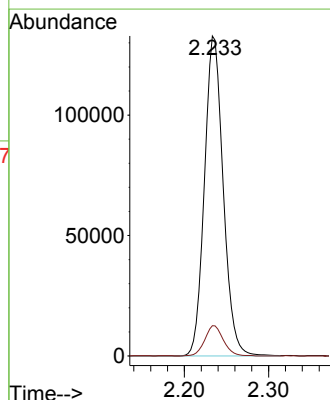
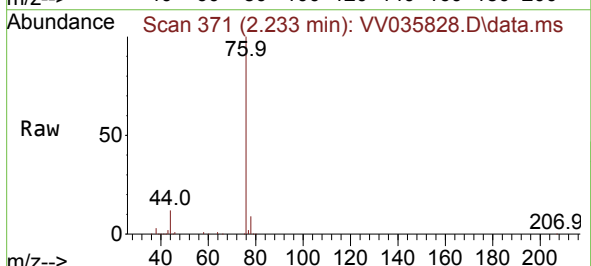
Acq: 26 May 2024 03:35

Tgt Ion: 76 Resp: 206523

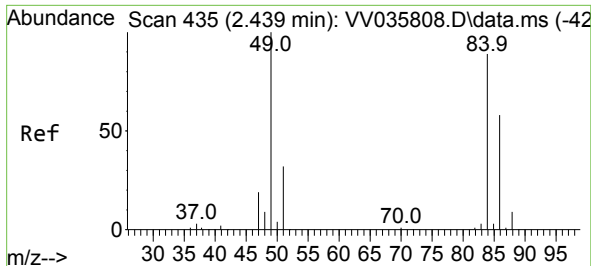
Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3

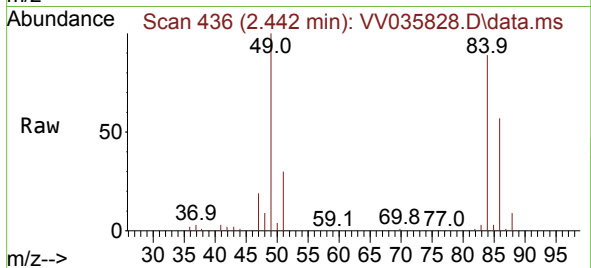




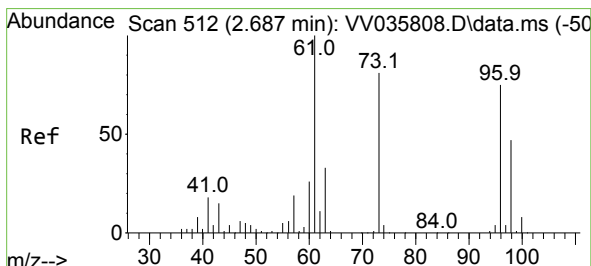
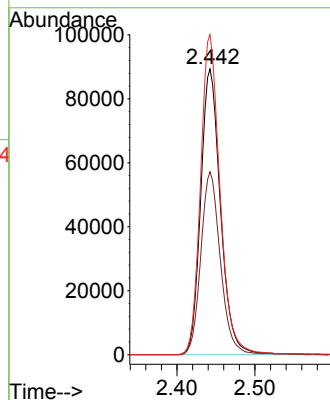
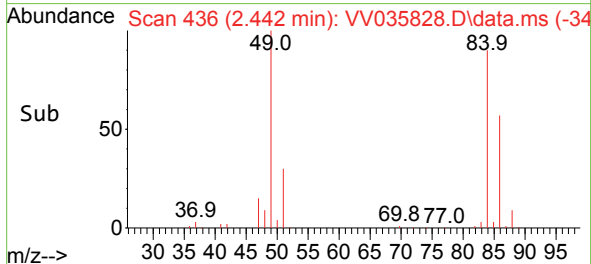


#16  
Methylene chloride  
Concen: 28.071 ug/L  
RT: 2.442 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35

Instrument :  
MSVOA\_V  
ClientSampleId :

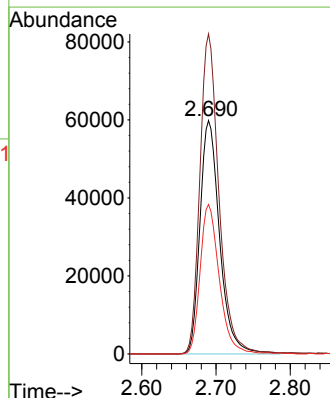
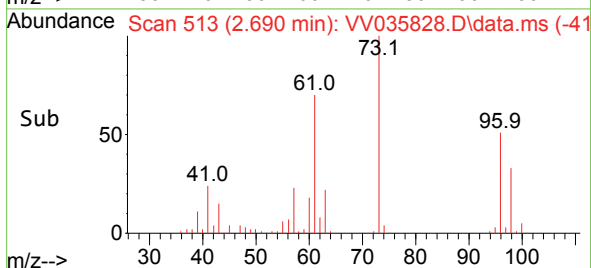
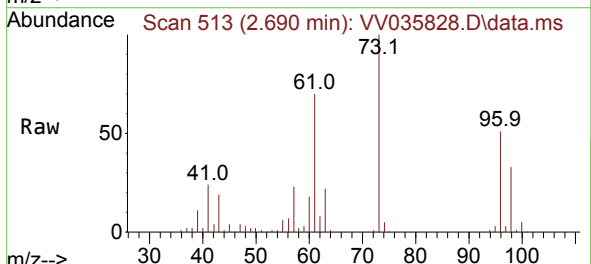


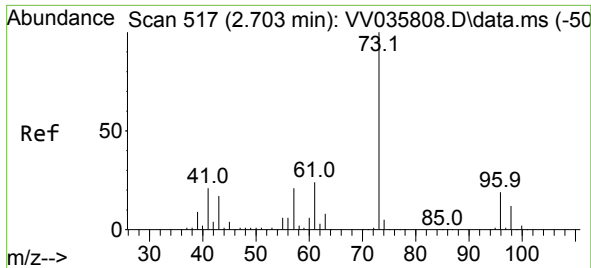
Tgt Ion: 84 Resp: 157157  
Ion Ratio Lower Upper  
84 100  
86 64.0 43.8 81.3  
49 112.0 75.3 139.9



#17  
trans-1,2-Dichloroethene  
Concen: 26.025 ug/L  
RT: 2.690 min Scan# 513  
Delta R.T. 0.003 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35

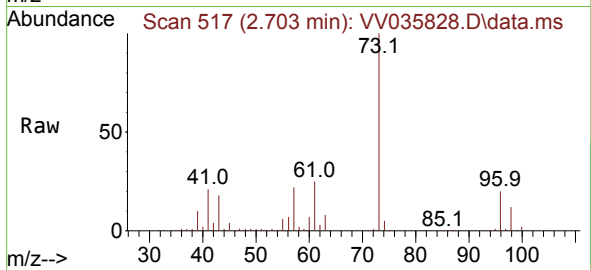
Tgt Ion: 96 Resp: 110032  
Ion Ratio Lower Upper  
96 100  
61 137.1 95.5 177.4  
98 64.0 46.0 85.4



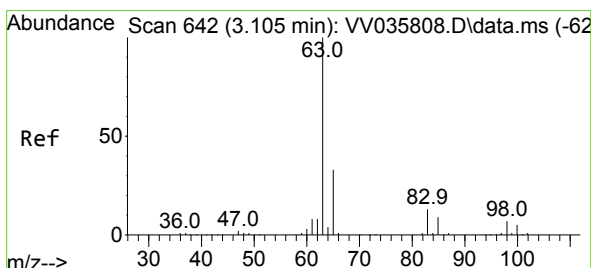
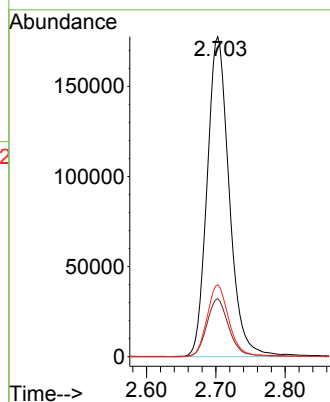
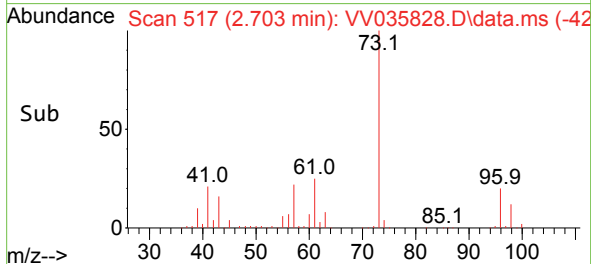


#18  
Methyl tert-butyl Ether  
Concen: 38.529 ug/L  
RT: 2.703 min Scan# 517  
Delta R.T. 0.000 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35

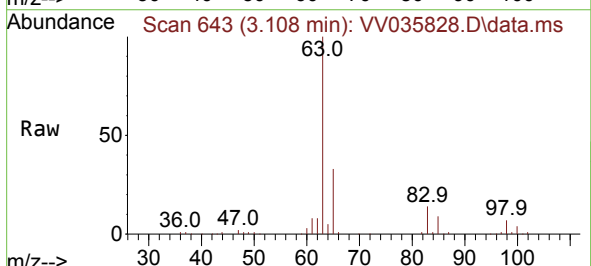
Instrument :  
MSVOA\_V  
ClientSampleId :



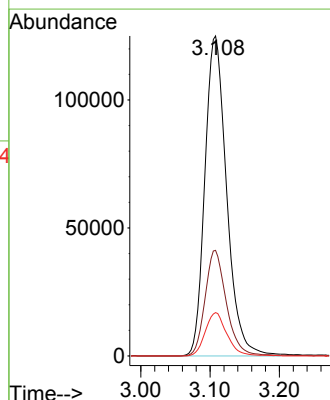
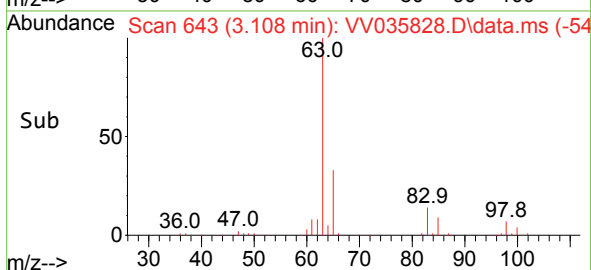
Tgt Ion: 73 Resp: 392946  
Ion Ratio Lower Upper  
73 100  
43 17.4 13.3 19.9  
57 22.2 17.4 26.2

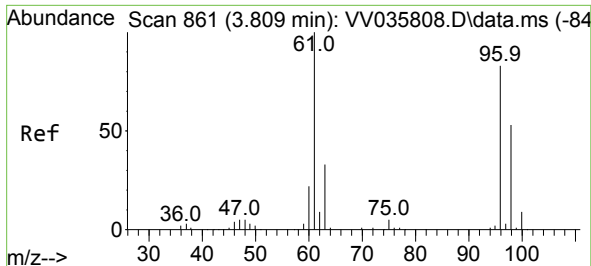


#19  
1,1-Dichloroethane  
Concen: 34.386 ug/L  
RT: 3.108 min Scan# 643  
Delta R.T. 0.003 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35



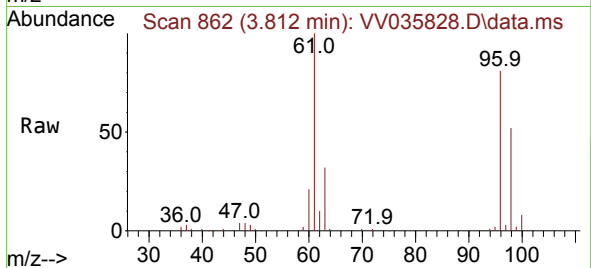
Tgt Ion: 63 Resp: 272555  
Ion Ratio Lower Upper  
63 100  
65 33.0 22.7 42.3  
83 13.6 9.7 17.9



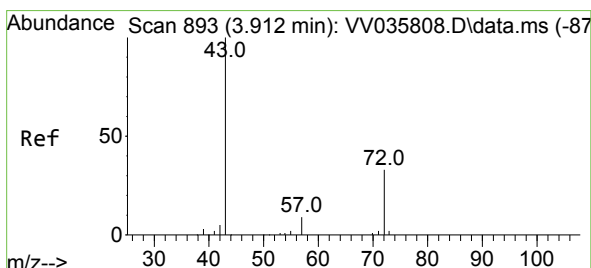
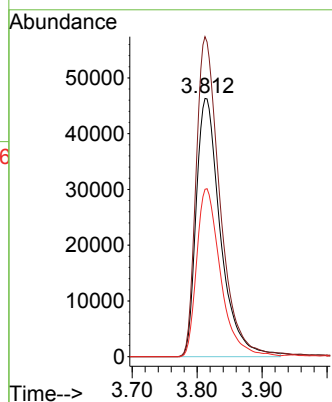
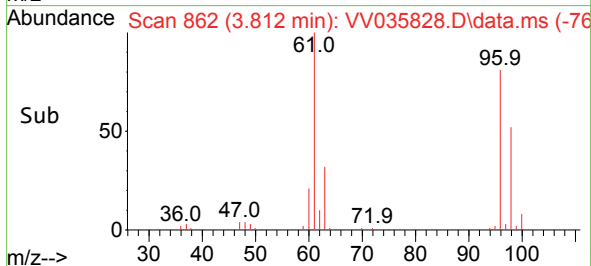


#20  
 cis-1,2-Dichloroethene  
 Concen: 26.269 ug/L  
 RT: 3.812 min Scan# 861  
 Delta R.T. 0.003 min  
 Lab File: VV035828.D  
 Acq: 26 May 2024 03:35

Instrument :  
 MSVOA\_V  
 ClientSampleId :

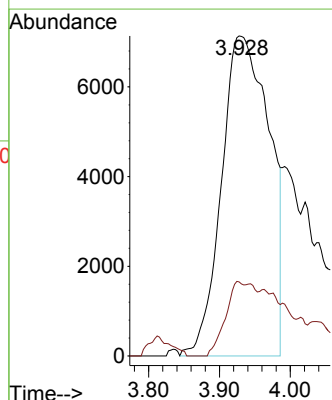
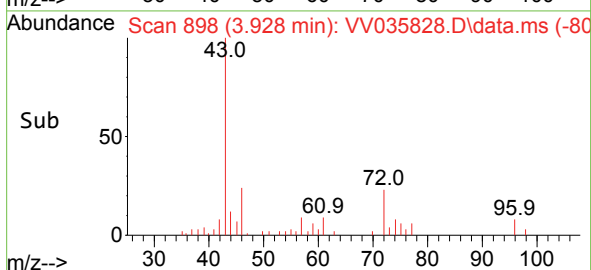
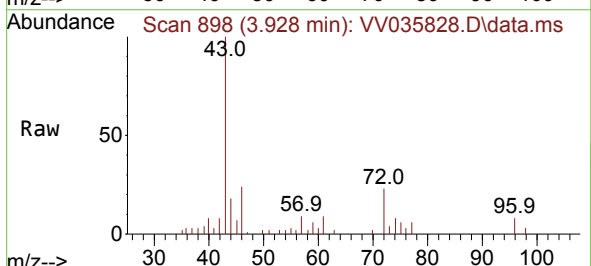


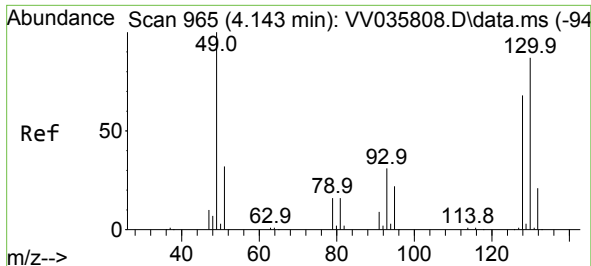
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 120401 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 123.9 | 83.9  | 155.9  |
| 98       | 64.8  | 44.0  | 81.8   |



#22  
 2-Butanone  
 Concen: 23.086 ug/L  
 RT: 3.928 min Scan# 898  
 Delta R.T. 0.016 min  
 Lab File: VV035828.D  
 Acq: 26 May 2024 03:35

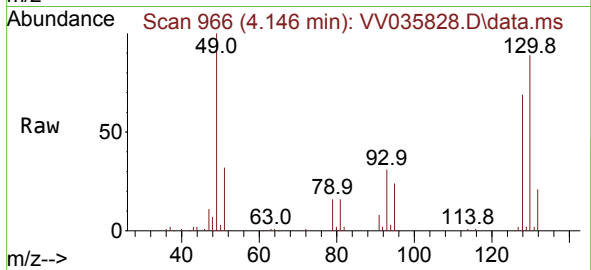
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 33421 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 8.8   | 12.3  | 36.9# |



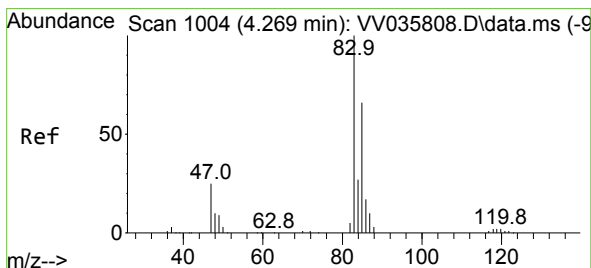
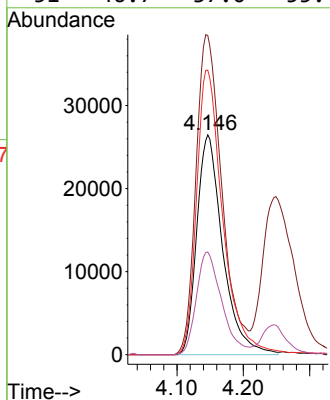
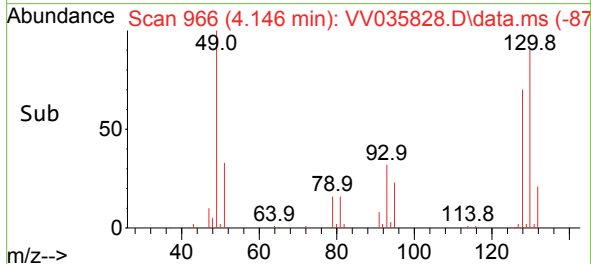


#23  
Bromochloromethane  
Concen: 32.409 ug/L  
RT: 4.146 min Scan# 91  
Delta R.T. 0.003 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35

Instrument :  
MSVOA\_V  
ClientSampleId :

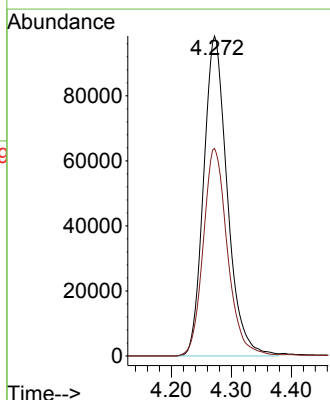
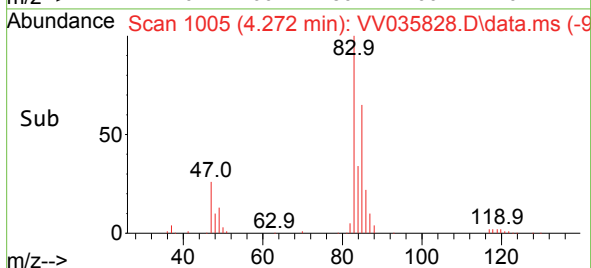
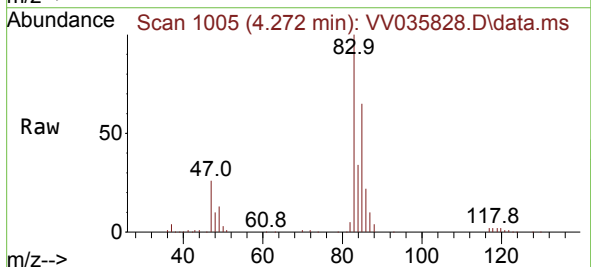


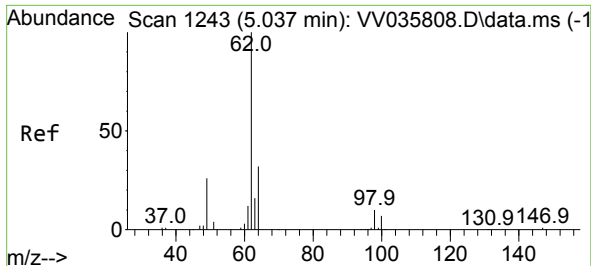
Tgt Ion:128 Resp: 71844  
Ion Ratio Lower Upper  
128 100  
49 145.2 103.1 191.5  
130 129.4 91.8 170.4  
51 46.7 37.0 55.4



#25  
Chloroform  
Concen: 33.006 ug/L  
RT: 4.272 min Scan# 1005  
Delta R.T. 0.003 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35

Tgt Ion: 83 Resp: 270149  
Ion Ratio Lower Upper  
83 100  
85 64.9 44.7 82.9





#27

1,2-Dichloroethane

Concen: 34.327 ug/L

RT: 5.037 min Scan# 1100

Delta R.T. 0.000 min

Lab File: VV035828.D

Acq: 26 May 2024 03:35

Instrument :

MSVOA\_V

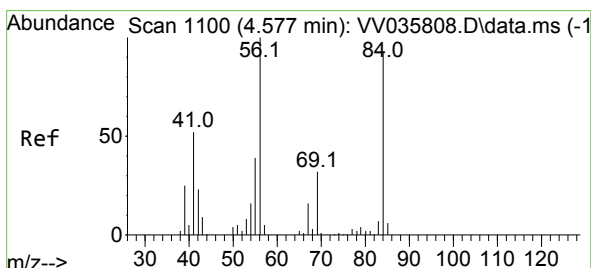
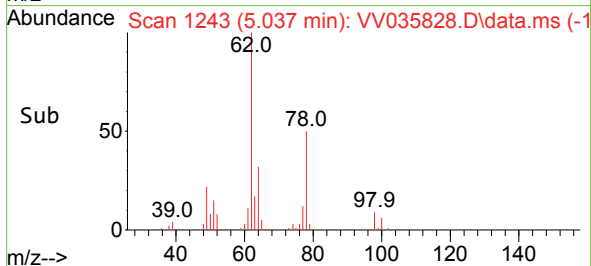
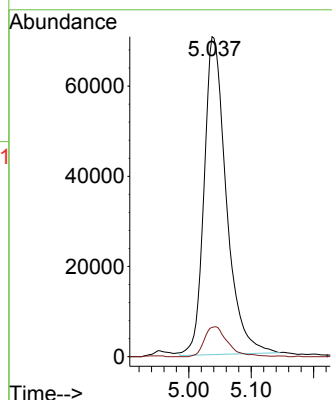
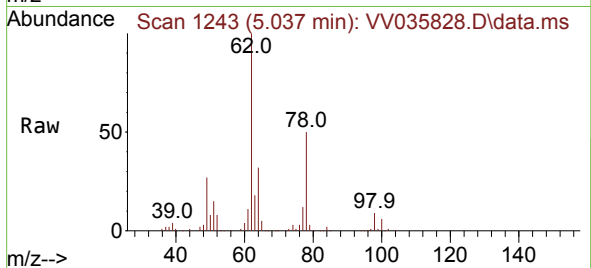
ClientSampleId :

Tgt Ion: 62 Resp: 174954

Ion Ratio Lower Upper

62 100

98 9.2 8.2 12.2



#29

Cyclohexane

Concen: 28.423 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.000 min

Lab File: VV035828.D

Acq: 26 May 2024 03:35

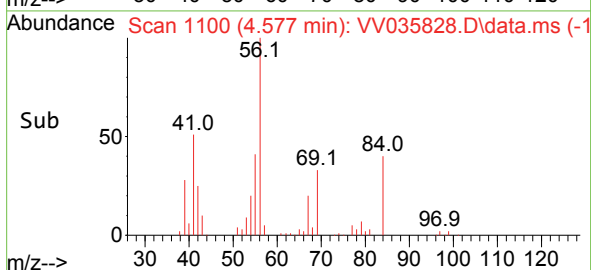
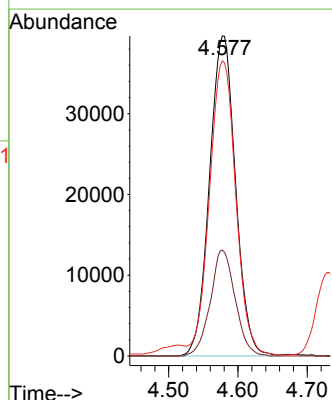
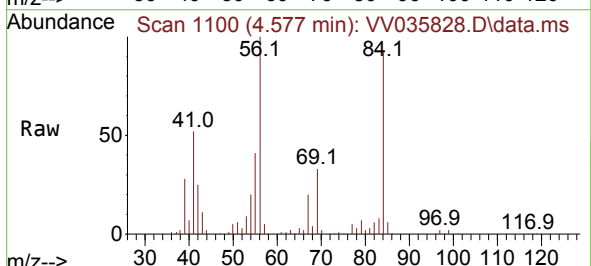
Tgt Ion: 56 Resp: 103331

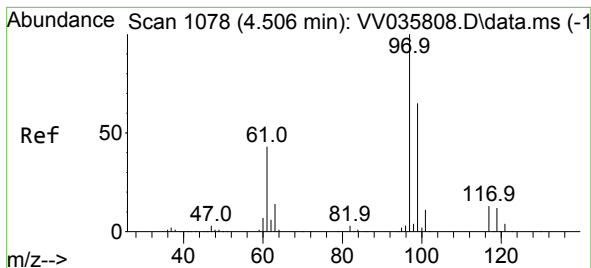
Ion Ratio Lower Upper

56 100

69 31.6 25.6 38.4

84 92.5 74.8 112.2





#30

1,1,1-Trichloroethane

Concen: 49.497 ug/L

RT: 4.507 min Scan# 110

Delta R.T. 0.000 min

Lab File: VV035828.D

Acq: 26 May 2024 03:35

Instrument :

MSVOA\_V

ClientSampleId :

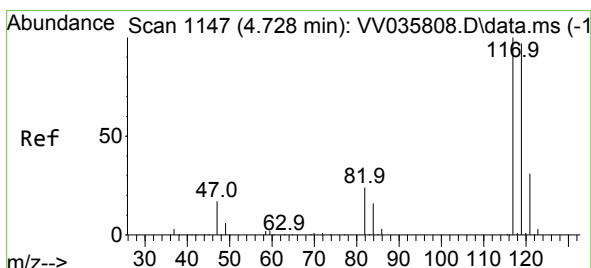
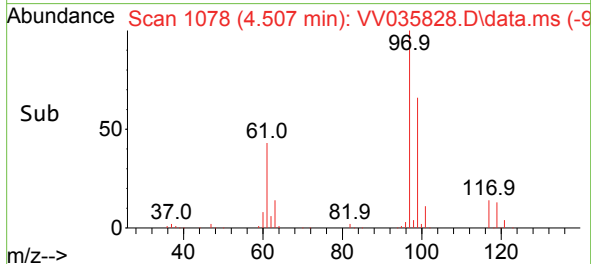
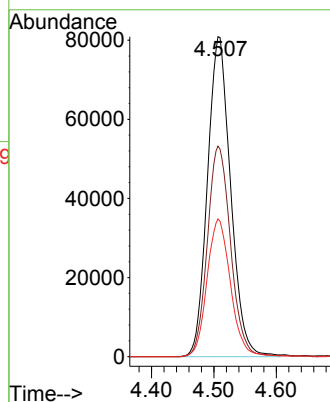
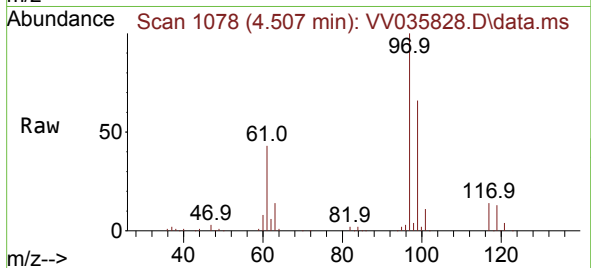
Tgt Ion: 97 Resp: 208644

Ion Ratio Lower Upper

97 100

99 66.0 51.7 77.5

61 43.6 33.5 50.3



#31

Carbon tetrachloride

Concen: 44.235 ug/L

RT: 4.732 min Scan# 1148

Delta R.T. 0.003 min

Lab File: VV035828.D

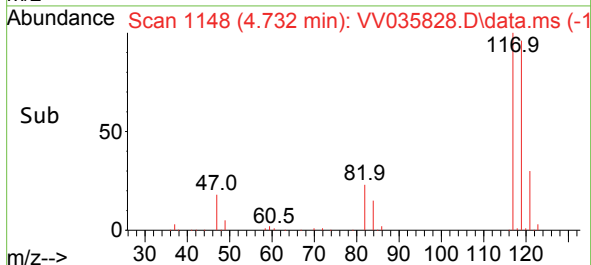
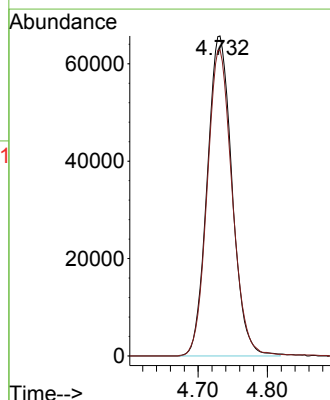
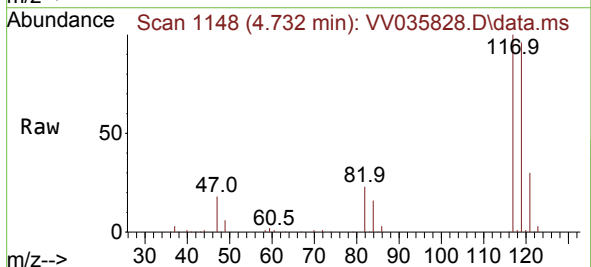
Acq: 26 May 2024 03:35

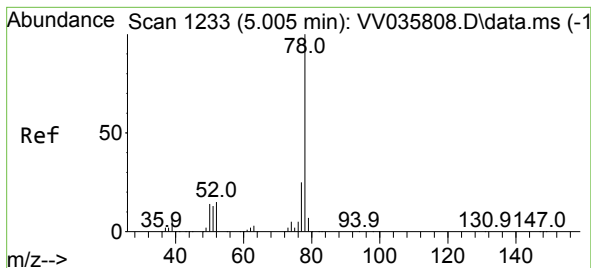
Tgt Ion: 117 Resp: 163606

Ion Ratio Lower Upper

117 100

119 95.8 77.3 115.9





#33

Benzene

Concen: 46.862 ug/L

RT: 5.005 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV035828.D

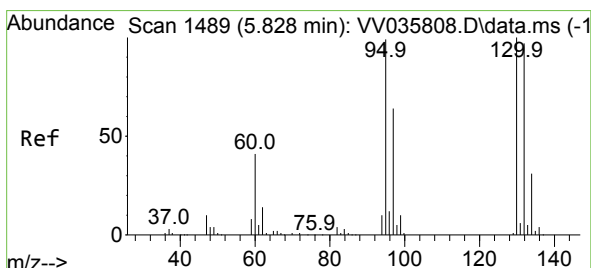
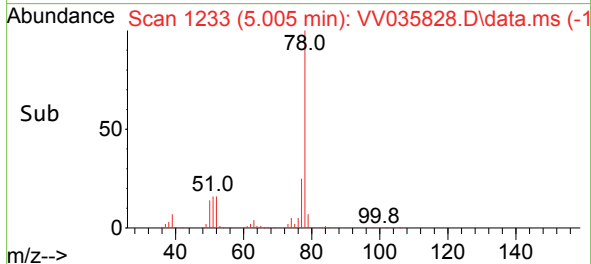
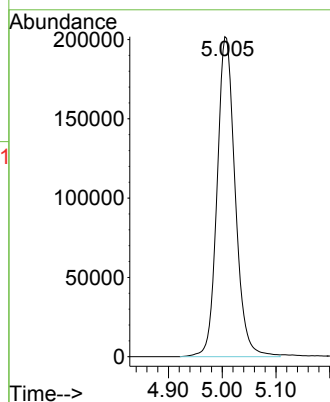
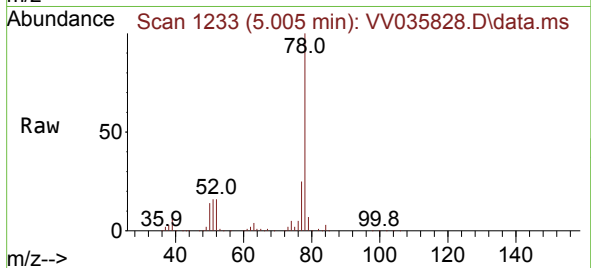
Acq: 26 May 2024 03:35

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 78 Resp: 471508



#34

Trichloroethene

Concen: 36.899 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. 0.003 min

Lab File: VV035828.D

Acq: 26 May 2024 03:35

Tgt Ion: 95 Resp: 105019

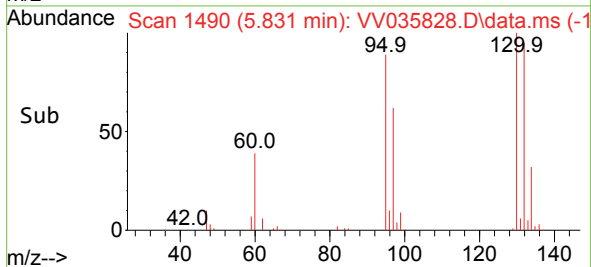
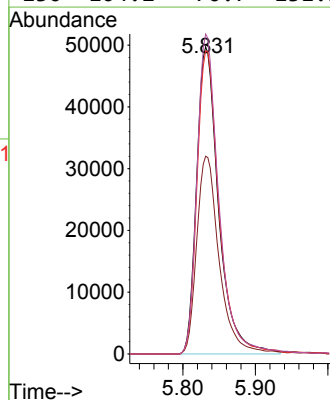
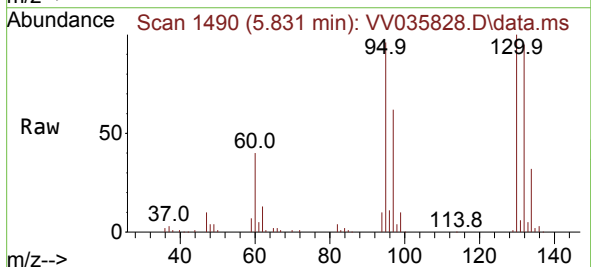
Ion Ratio Lower Upper

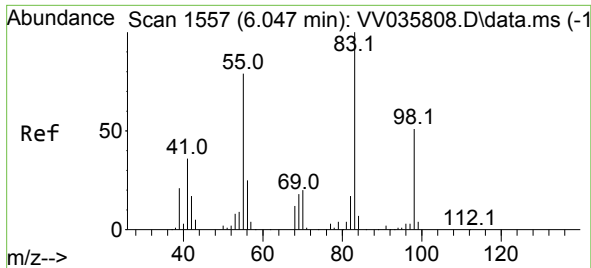
95 100

97 64.4 43.8 81.4

132 98.7 67.1 124.7

130 104.2 70.7 131.3

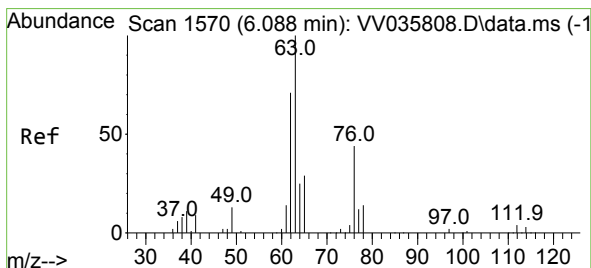
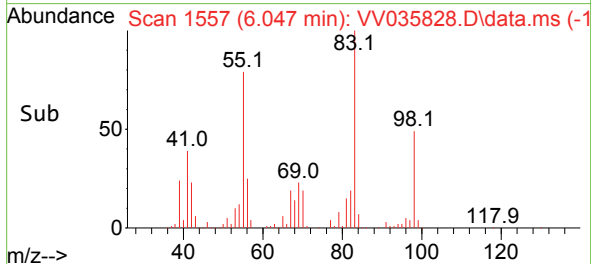
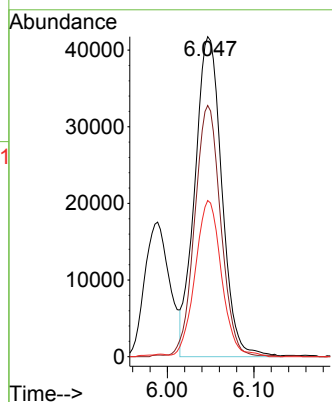
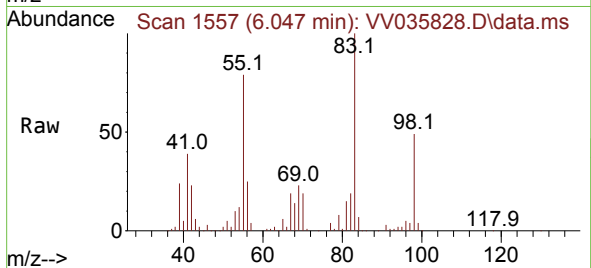




#35  
Methylcyclohexane  
Concen: 20.904 ug/L  
RT: 6.047 min Scan# 1557  
Delta R.T. 0.000 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35

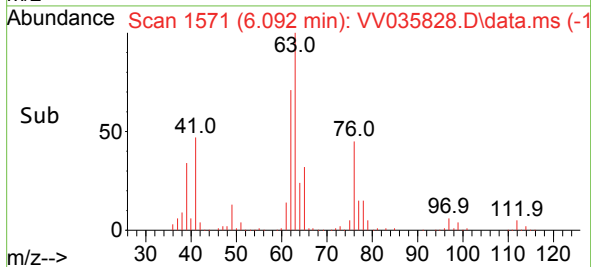
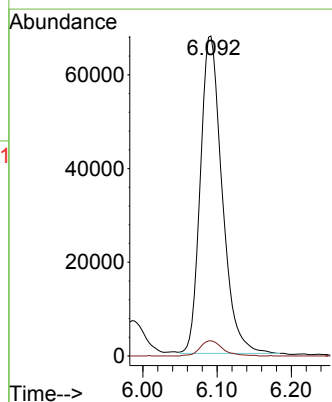
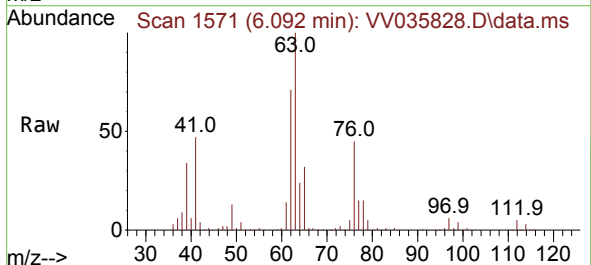
Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 83 Resp: 90327  
Ion Ratio Lower Upper  
83 100  
55 74.9 57.5 86.3  
98 47.8 38.6 58.0

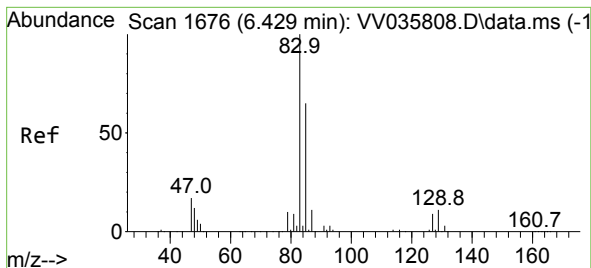


#37  
1,2-Dichloropropane  
Concen: 52.675 ug/L  
RT: 6.092 min Scan# 1571  
Delta R.T. 0.003 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35

Tgt Ion: 63 Resp: 138278  
Ion Ratio Lower Upper  
63 100  
112 5.0 3.8 5.6







#38

Bromodichloromethane

Concen: 48.457 ug/L

RT: 6.432 min Scan# 1

Delta R.T. 0.003 min

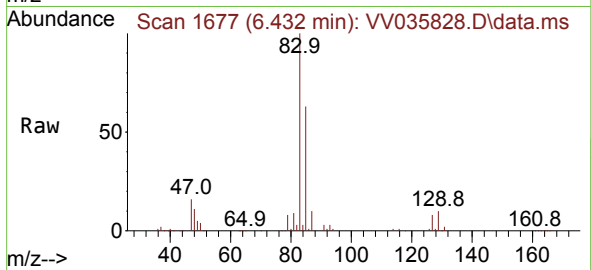
Lab File: VV035828.D

Acq: 26 May 2024 03:35

Instrument :

MSVOA\_V

ClientSampleId :



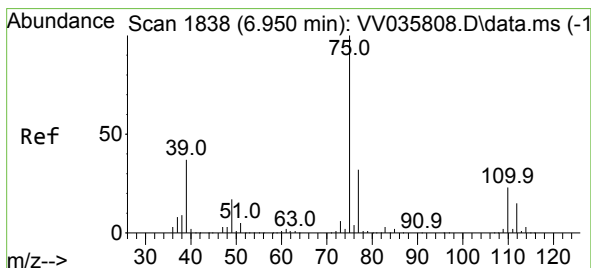
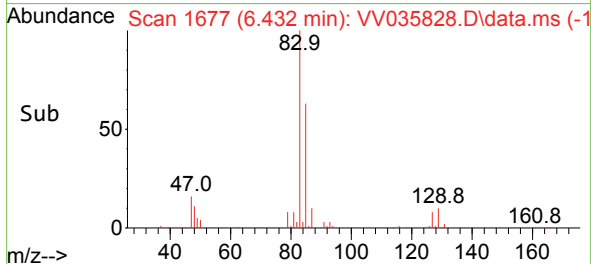
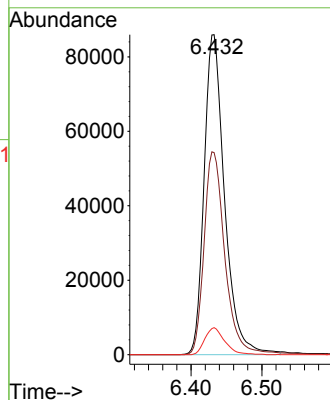
Tgt Ion: 83 Resp: 172322

Ion Ratio Lower Upper

83 100

85 63.1 45.1 83.9

127 8.4 7.0 10.6



#39

cis-1,3-Dichloropropene

Concen: 15.373 ug/L

RT: 6.957 min Scan# 1840

Delta R.T. 0.006 min

Lab File: VV035828.D

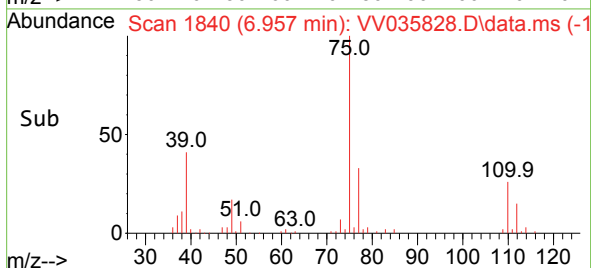
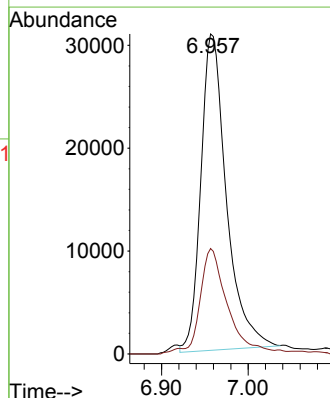
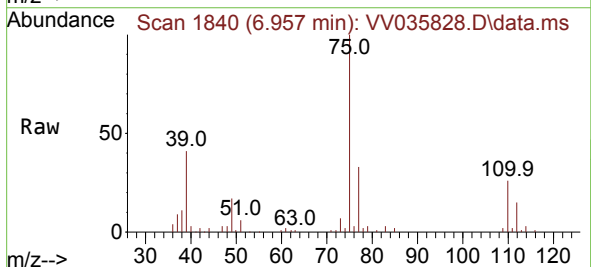
Acq: 26 May 2024 03:35

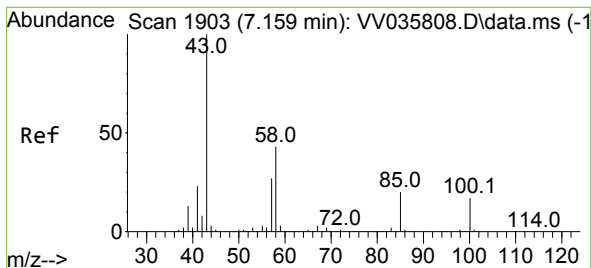
Tgt Ion: 75 Resp: 63120

Ion Ratio Lower Upper

75 100

77 33.0 22.5 41.9





#40

4-Methyl-2-pentanone

Concen: 56.630 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.003 min

Lab File: VV035828.D

Acq: 26 May 2024 03:35

Instrument :

MSVOA\_V

ClientSampleId :

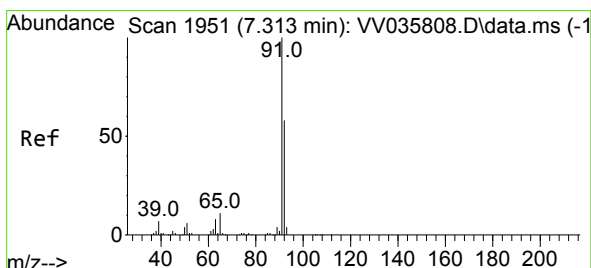
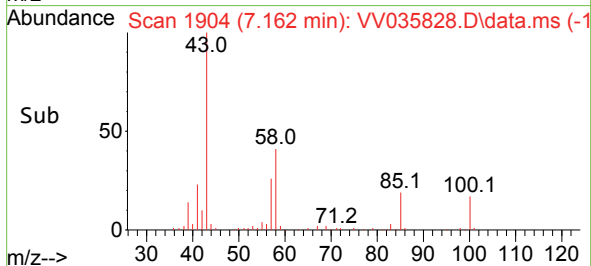
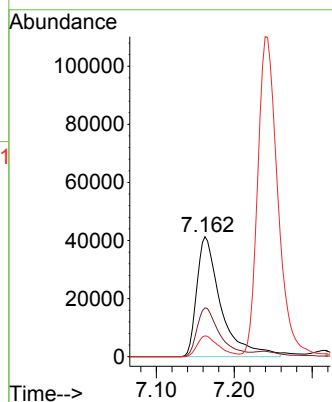
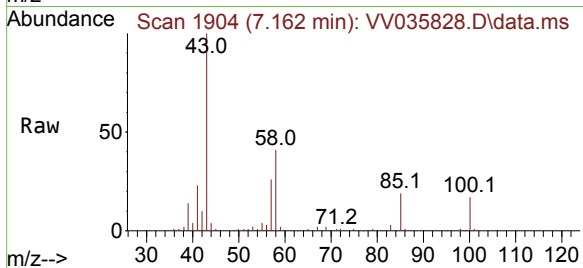
Tgt Ion: 43 Resp: 89032

Ion Ratio Lower Upper

43 100

58 38.7 34.8 52.2

100 15.6 13.9 20.9



#42

Toluene

Concen: 33.903 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV035828.D

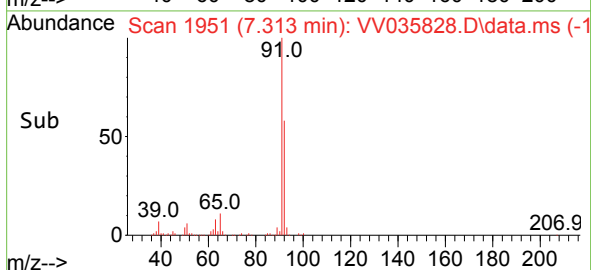
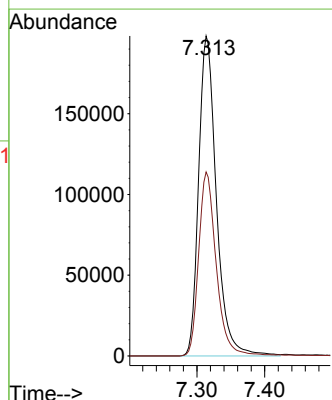
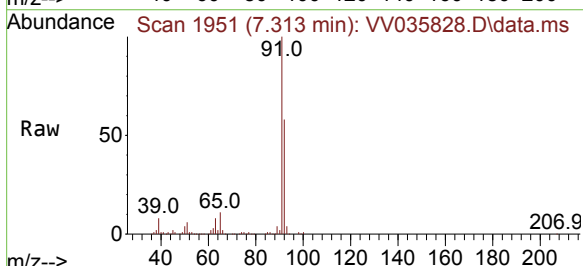
Acq: 26 May 2024 03:35

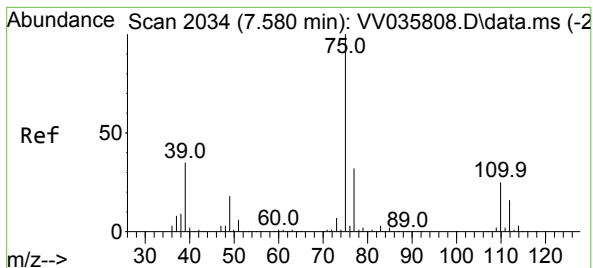
Tgt Ion: 91 Resp: 361002

Ion Ratio Lower Upper

91 100

92 57.5 40.2 74.6





#44

trans-1,3-Dichloropropene

Concen: 19.403 ug/L

RT: 7.584 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV035828.D

Acq: 26 May 2024 03:35

Instrument :

MSVOA\_V

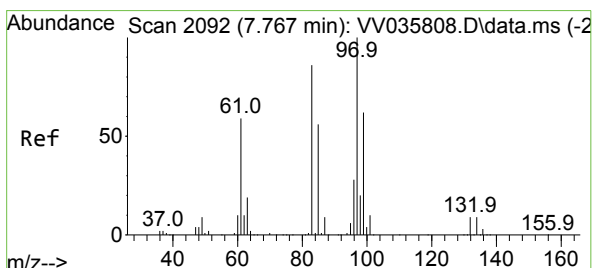
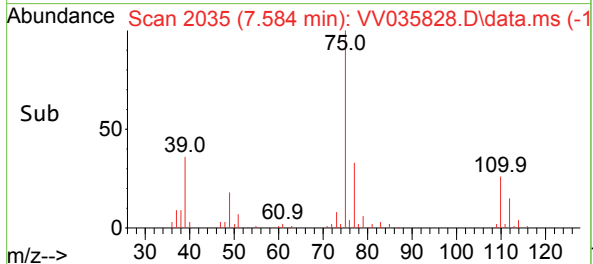
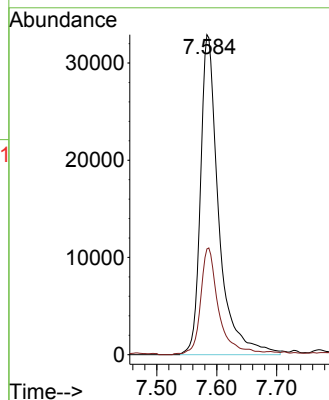
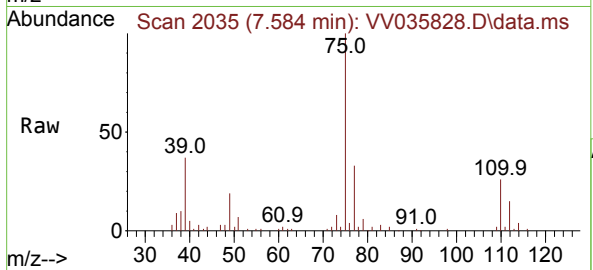
ClientSampleId :

Tgt Ion: 75 Resp: 69691

Ion Ratio Lower Upper

75 100

77 33.1 22.4 41.6



#45

1,1,2-Trichloroethane

Concen: 50.289 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. 0.000 min

Lab File: VV035828.D

Acq: 26 May 2024 03:35

Tgt Ion: 97 Resp: 112168

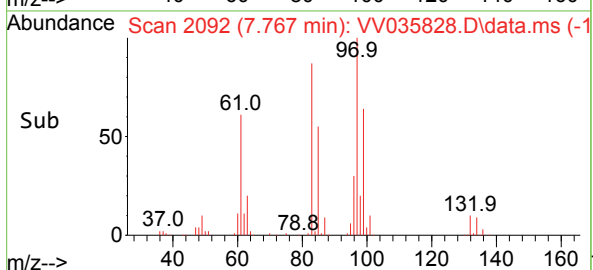
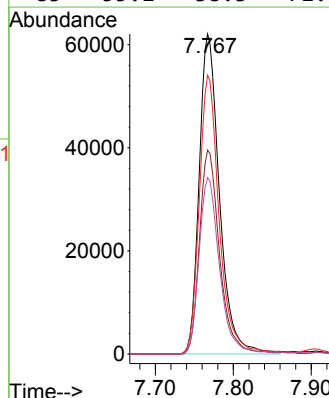
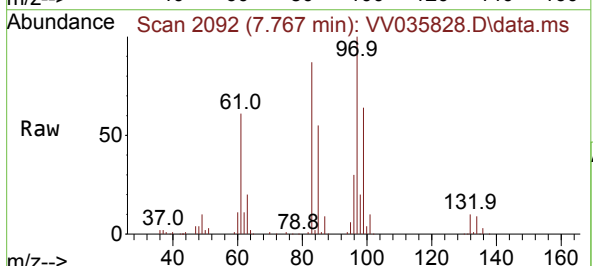
Ion Ratio Lower Upper

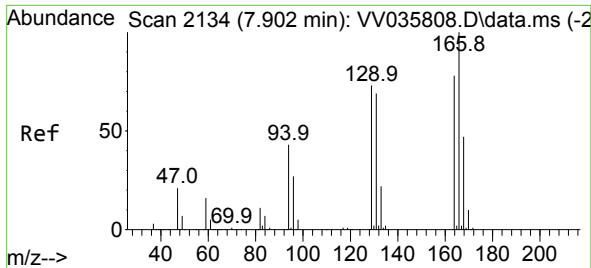
97 100

99 63.7 43.3 80.3

83 87.1 60.3 111.9

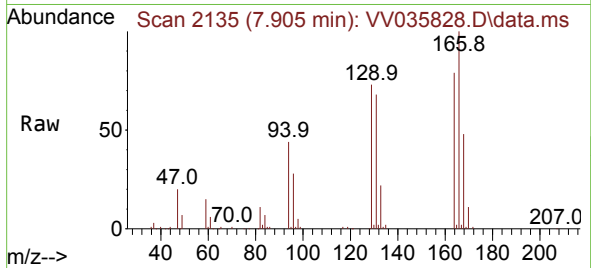
85 55.1 38.3 71.1



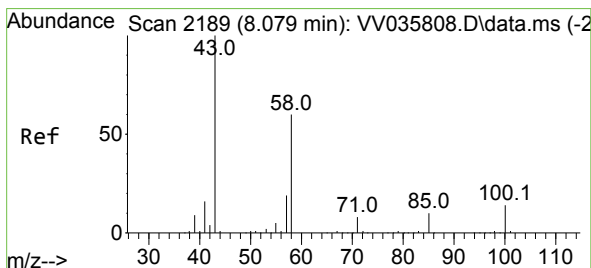
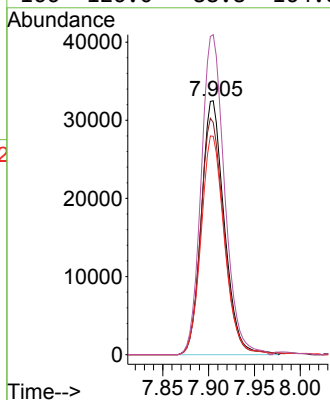
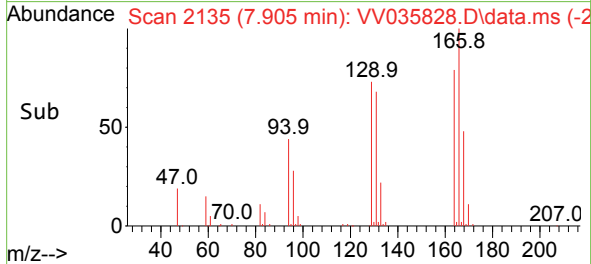


#46  
Tetrachloroethene  
Concen: 24.507 ug/L  
RT: 7.905 min Scan# 2135  
Delta R.T. 0.003 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35

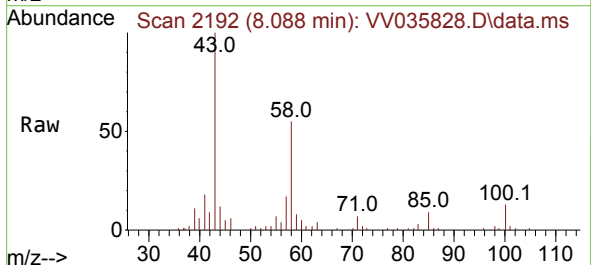
Instrument :  
MSVOA\_V  
ClientSampleId :



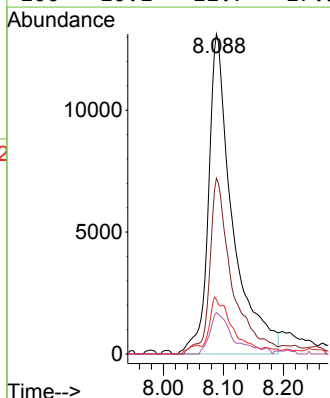
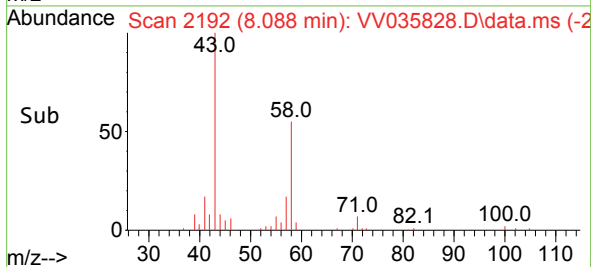
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:164 | Resp: | 56666       |
| Ion         | Ratio | Lower Upper |
| 164         | 100   |             |
| 129         | 91.4  | 63.4 117.8  |
| 131         | 86.0  | 61.0 113.4  |
| 166         | 126.0 | 88.8 164.8  |

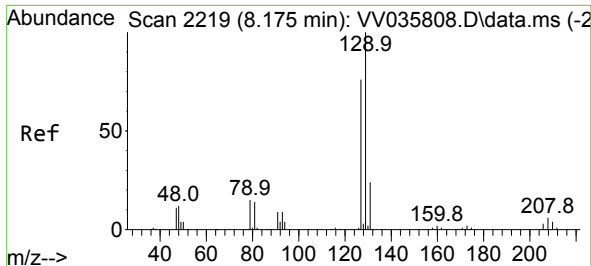


#48  
2-Hexanone  
Concen: 30.885 ug/L  
RT: 8.088 min Scan# 2192  
Delta R.T. 0.010 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35



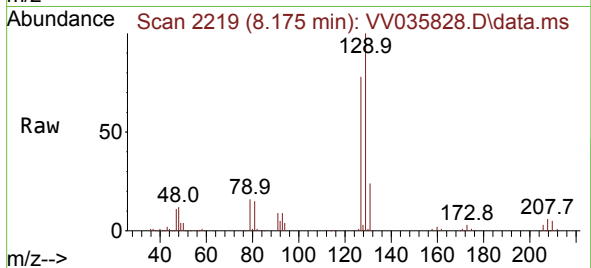
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 43 | Resp: | 36407       |
| Ion         | Ratio | Lower Upper |
| 43          | 100   |             |
| 58          | 49.1  | 48.8 73.2   |
| 57          | 6.2   | 16.9 25.3#  |
| 100         | 10.1  | 11.7 17.5#  |



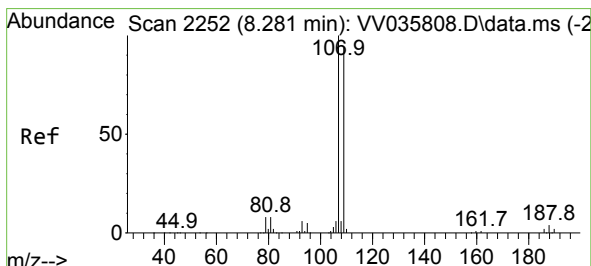
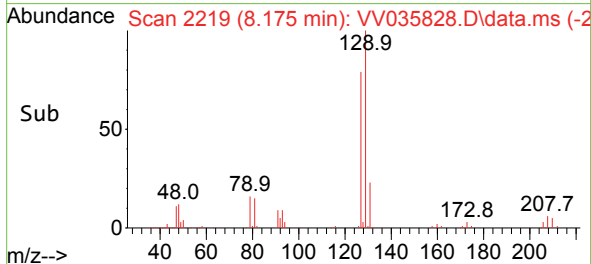
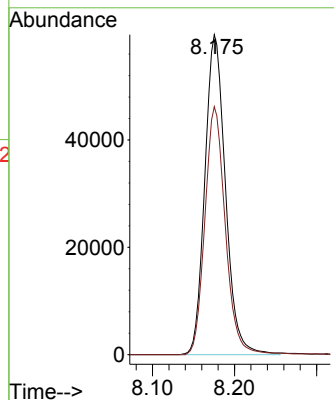


#49  
Dibromochloromethane  
Concen: 41.323 ug/L  
RT: 8.175 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35

Instrument :  
MSVOA\_V  
ClientSampleId :

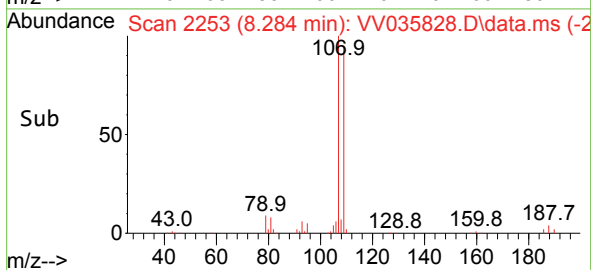
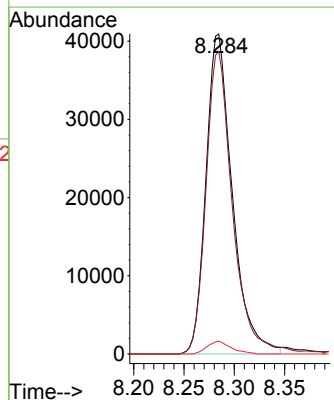
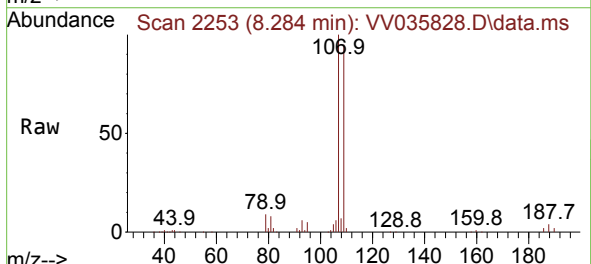


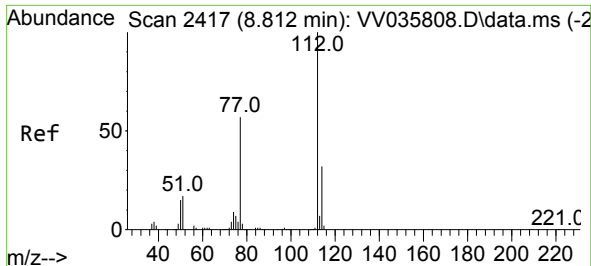
Tgt Ion:129 Resp: 104003  
Ion Ratio Lower Upper  
129 100  
127 77.5 53.8 99.8



#50  
1,2-Dibromoethane  
Concen: 33.906 ug/L  
RT: 8.284 min Scan# 2253  
Delta R.T. 0.003 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35

Tgt Ion:107 Resp: 74503  
Ion Ratio Lower Upper  
107 100  
109 94.6 65.4 121.4  
188 4.0 2.9 4.3

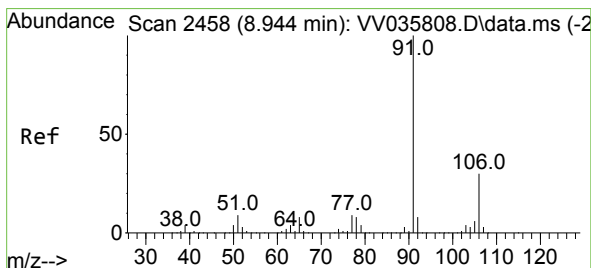
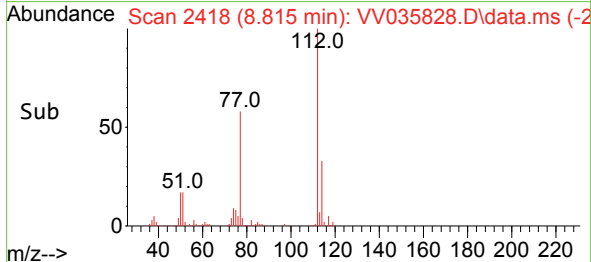
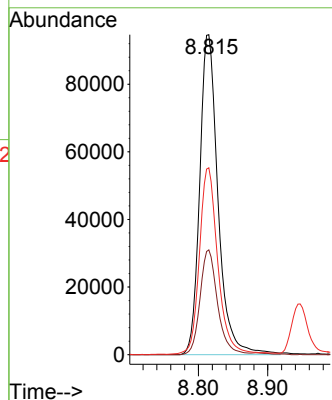
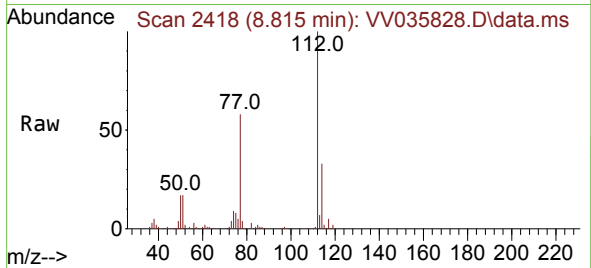




#51  
Chlorobenzene  
Concen: 23.552 ug/L  
RT: 8.815 min Scan# 2417  
Delta R.T. 0.003 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35

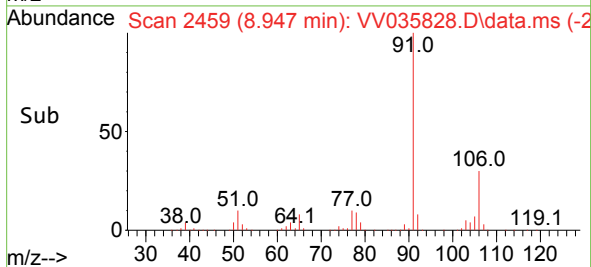
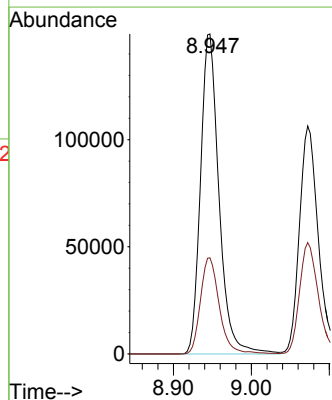
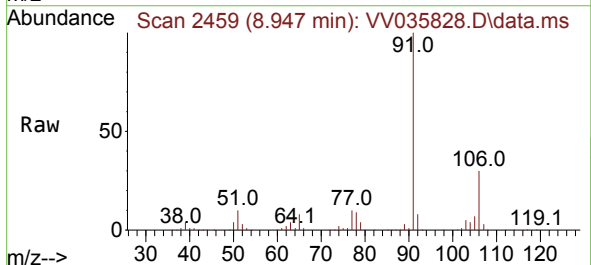
Instrument :  
MSVOA\_V  
ClientSampleId :

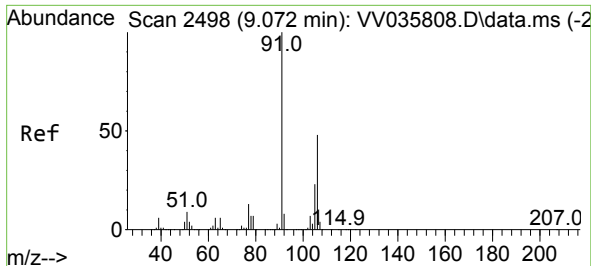
Tgt Ion:112 Resp: 174015  
Ion Ratio Lower Upper  
112 100  
114 32.8 22.5 41.7  
77 58.4 46.6 69.8



#52  
Ethylbenzene  
Concen: 20.921 ug/L  
RT: 8.947 min Scan# 2459  
Delta R.T. 0.003 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35

Tgt Ion: 91 Resp: 245962  
Ion Ratio Lower Upper  
91 100  
106 30.1 21.7 40.3

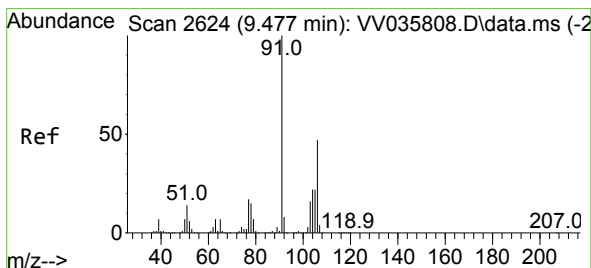
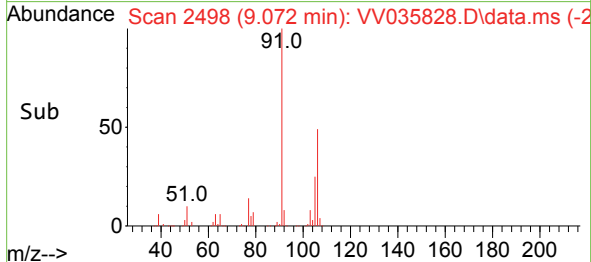
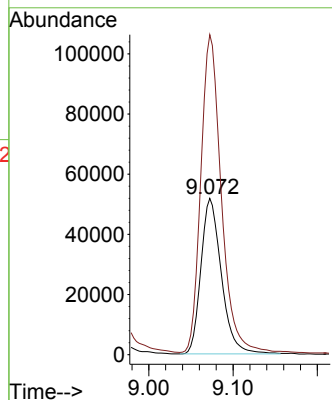
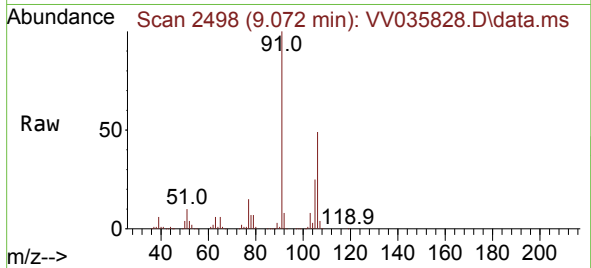




#53  
m,p-Xylene  
Concen: 19.615 ug/L  
RT: 9.072 min Scan# 2498  
Delta R.T. 0.000 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35

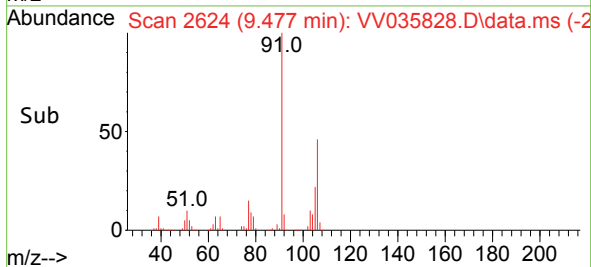
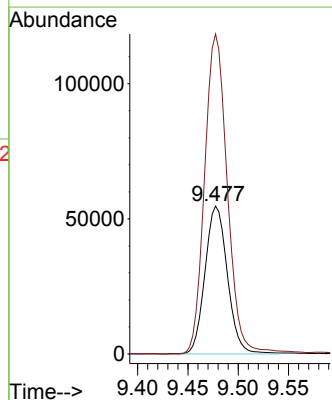
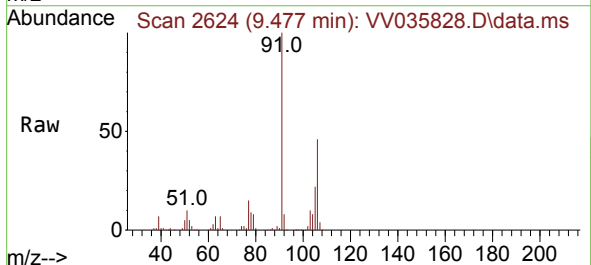
Instrument :  
MSVOA\_V  
ClientSampleId :

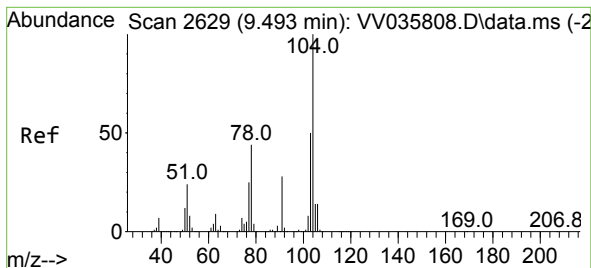
Tgt Ion:106 Resp: 87489  
Ion Ratio Lower Upper  
106 100  
91 204.7 142.7 264.9



#54  
o-Xylene  
Concen: 20.121 ug/L  
RT: 9.477 min Scan# 2624  
Delta R.T. 0.000 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35

Tgt Ion:106 Resp: 85061  
Ion Ratio Lower Upper  
106 100  
91 216.4 150.9 280.3





#55

Styrene

Concen: 13.998 ug/L

RT: 9.497 min Scan# 2630

Delta R.T. 0.003 min

Lab File: VV035828.D

Acq: 26 May 2024 03:35

Instrument :

MSVOA\_V

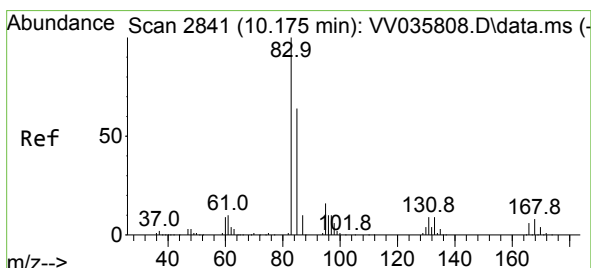
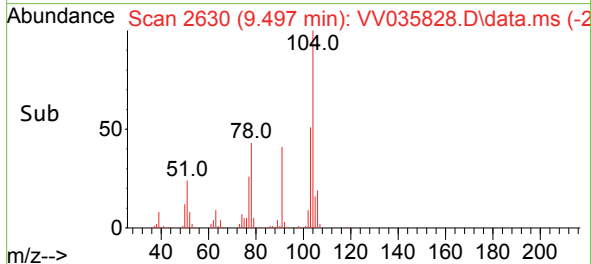
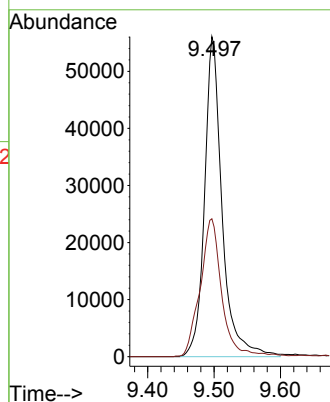
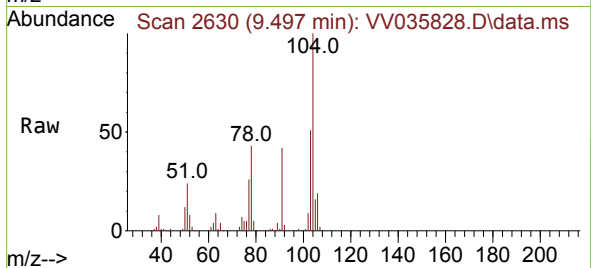
ClientSampleId :

Tgt Ion:104 Resp: 103211

Ion Ratio Lower Upper

104 100

78 43.1 30.0 55.6



#57

1,1,2,2-Tetrachloroethane

Concen: 31.017 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.000 min

Lab File: VV035828.D

Acq: 26 May 2024 03:35

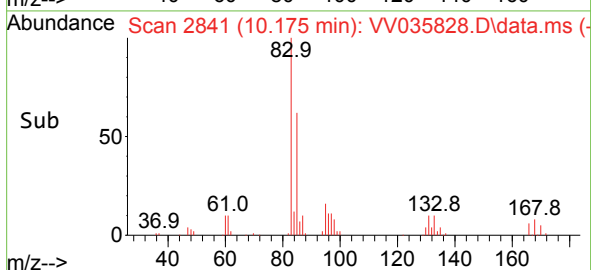
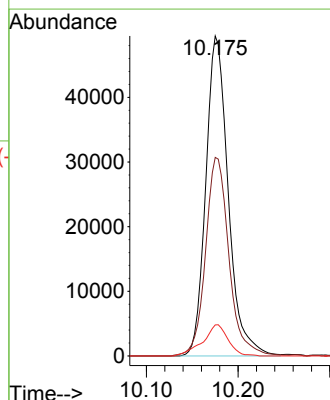
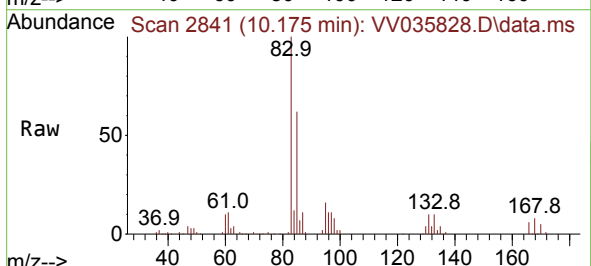
Tgt Ion: 83 Resp: 84275

Ion Ratio Lower Upper

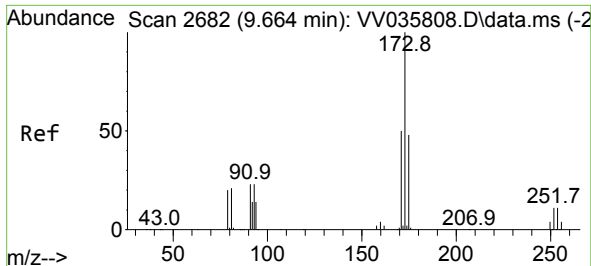
83 100

85 62.0 44.7 83.1

131 9.7 8.0 12.0



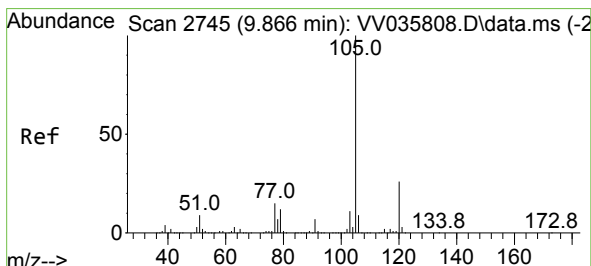
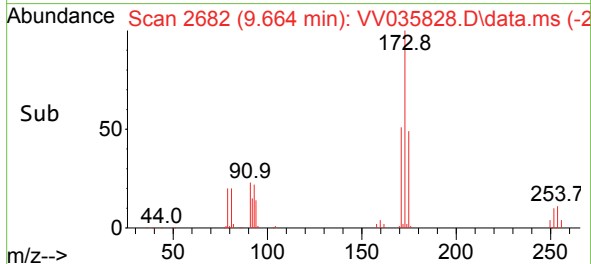
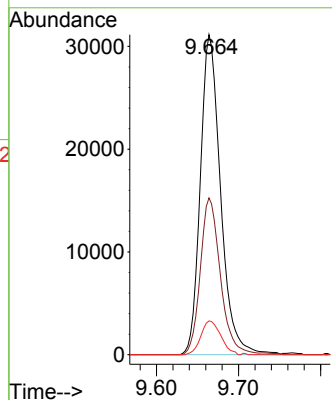
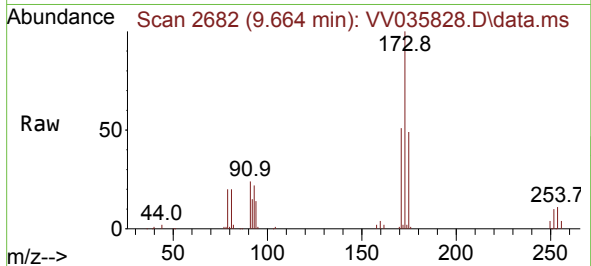




#59  
Bromoform  
Concen: 73.334 ug/L  
RT: 9.664 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35

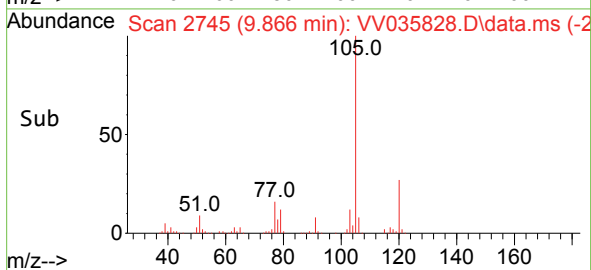
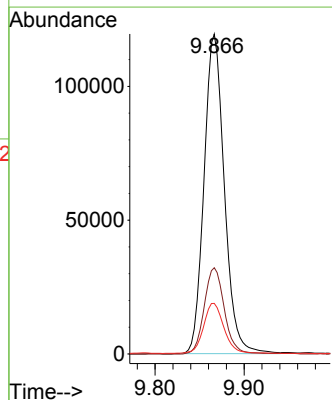
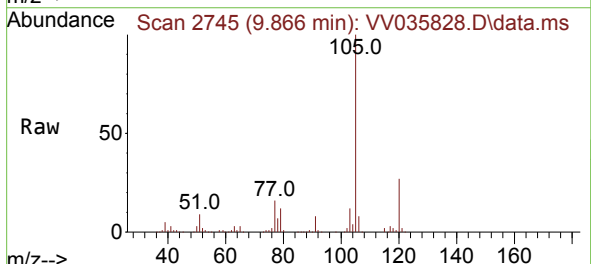
Instrument :  
MSVOA\_V  
ClientSampleId :

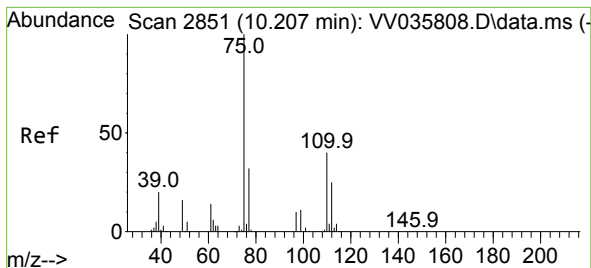
Tgt Ion:173 Resp: 53397  
Ion Ratio Lower Upper  
173 100  
175 48.4 38.7 58.1  
254 10.4 8.3 12.5



#60  
Isopropylbenzene  
Concen: 38.359 ug/L  
RT: 9.866 min Scan# 2745  
Delta R.T. 0.000 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35

Tgt Ion:105 Resp: 189318  
Ion Ratio Lower Upper  
105 100  
120 26.7 21.3 31.9  
77 15.6 12.2 18.2





#61

1,2,3-Trichloropropane

Concen: 91.317 ug/L

RT: 10.207 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV035828.D

Acq: 26 May 2024 03:35

Instrument :

MSVOA\_V

ClientSampleId :

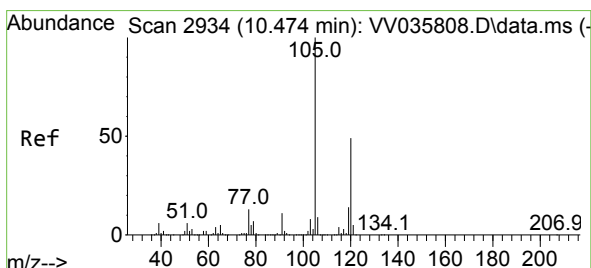
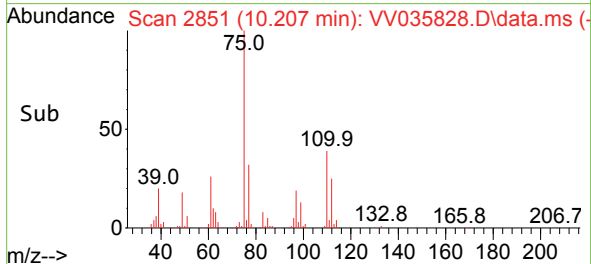
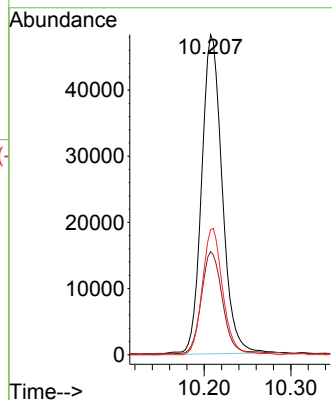
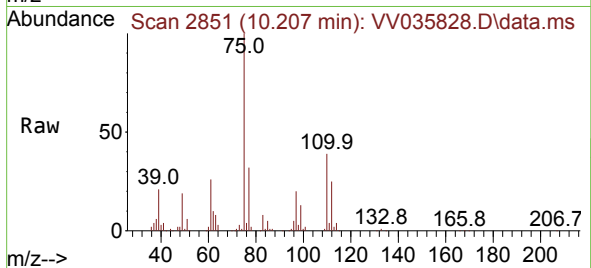
Tgt Ion: 75 Resp: 79283

Ion Ratio Lower Upper

75 100

77 32.8 25.7 38.5

110 39.2 31.8 47.8



#62

1,3,5-Trimethylbenzene

Concen: 26.226 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV035828.D

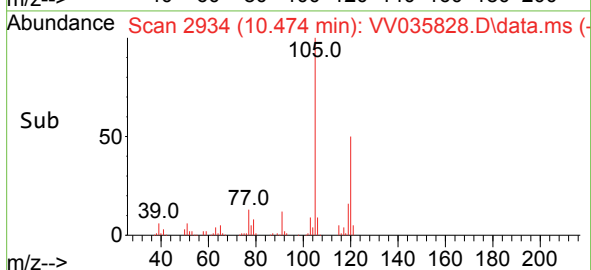
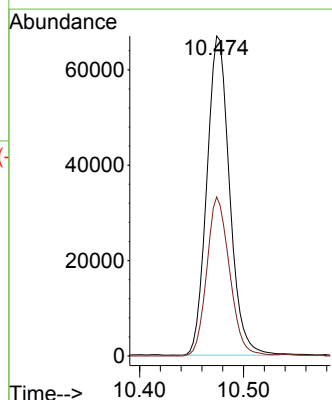
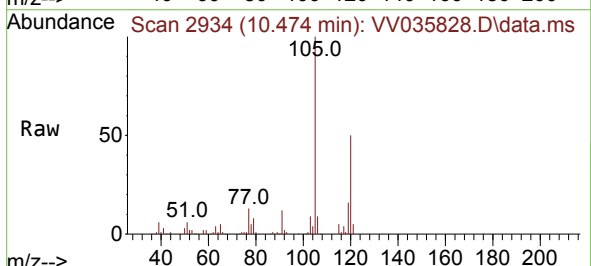
Acq: 26 May 2024 03:35

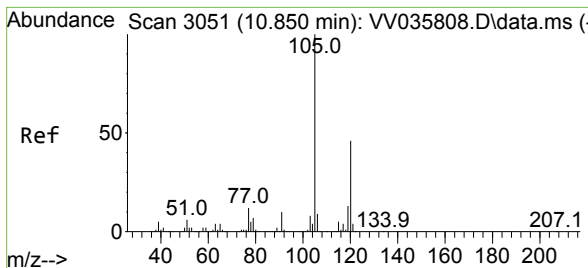
Tgt Ion: 105 Resp: 101540

Ion Ratio Lower Upper

105 100

120 50.0 39.4 59.0





#63

1,2,4-Trimethylbenzene

Concen: 23.327 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV035828.D

Acq: 26 May 2024 03:35

Instrument :

MSVOA\_V

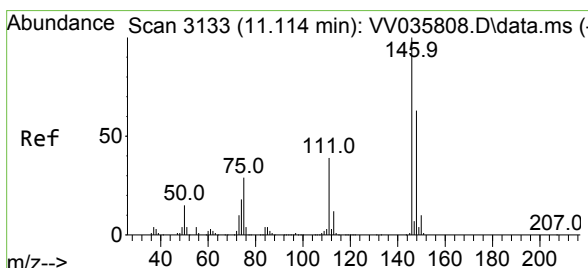
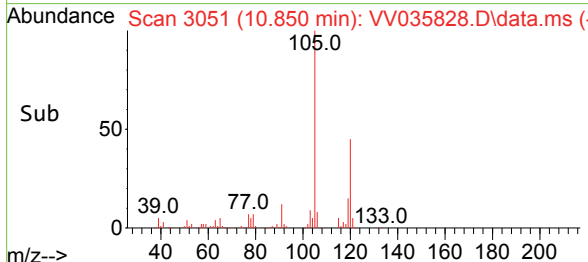
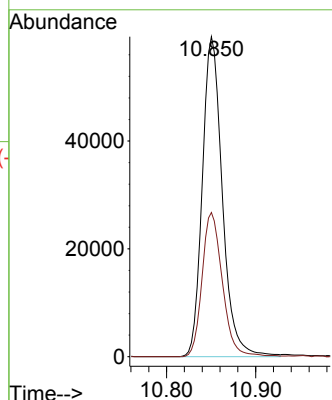
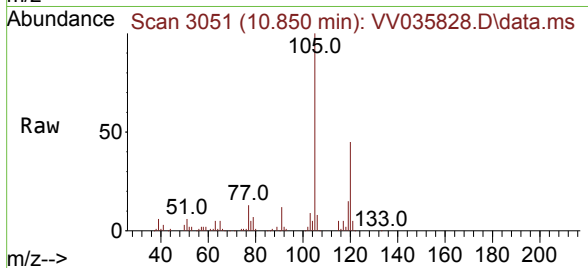
ClientSampleId :

Tgt Ion:105 Resp: 92812

Ion Ratio Lower Upper

105 100

120 45.5 36.6 55.0



#64

1,3-Dichlorobenzene

Concen: 22.717 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.003 min

Lab File: VV035828.D

Acq: 26 May 2024 03:35

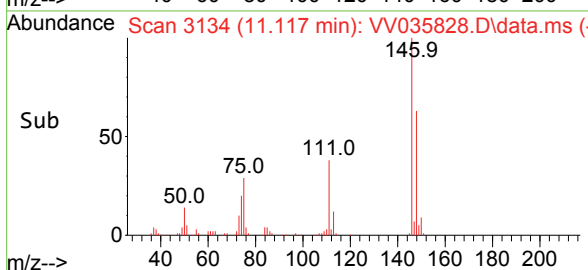
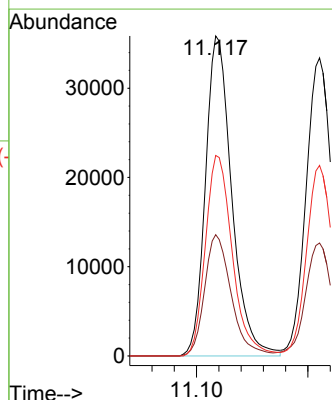
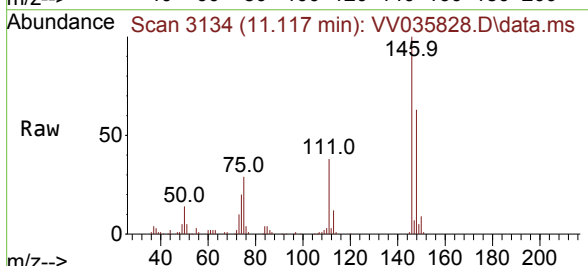
Tgt Ion:146 Resp: 58839

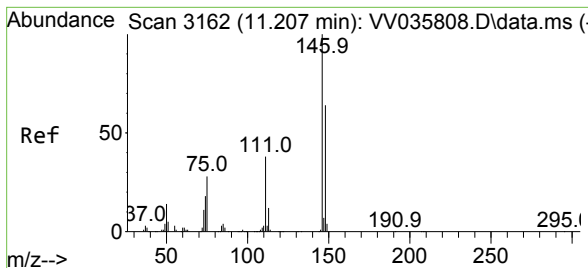
Ion Ratio Lower Upper

146 100

111 37.9 27.0 50.2

148 62.6 44.3 82.3





#65

1,4-Dichlorobenzene

Concen: 21.098 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VV035828.D

Acq: 26 May 2024 03:35

Instrument :

MSVOA\_V

ClientSampleId :

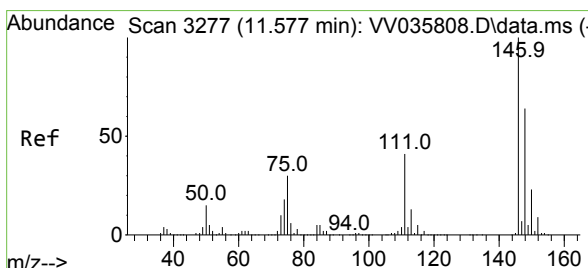
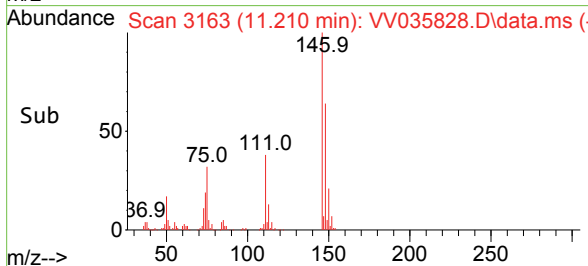
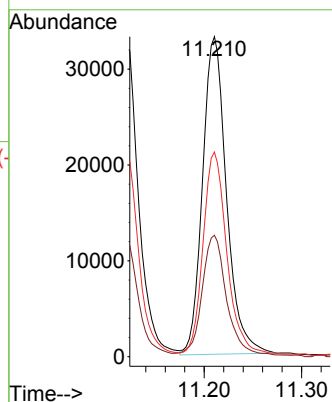
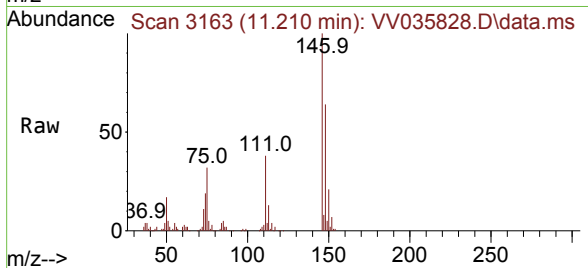
Tgt Ion:146 Resp: 56573

Ion Ratio Lower Upper

146 100

111 37.9 26.2 48.6

148 64.0 44.9 83.3



#67

1,2-Dichlorobenzene

Concen: 21.991 ug/L

RT: 11.580 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VV035828.D

Acq: 26 May 2024 03:35

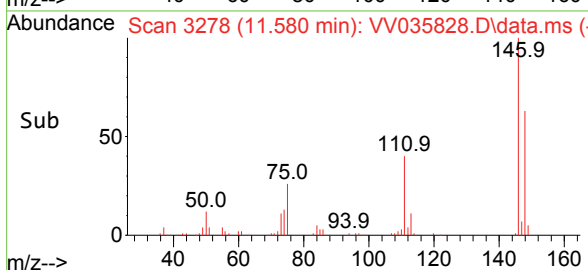
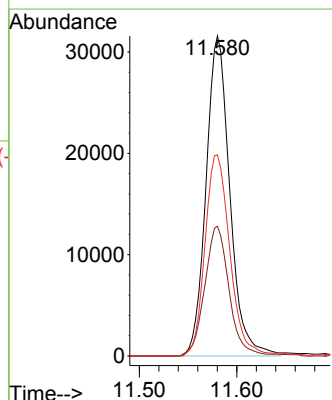
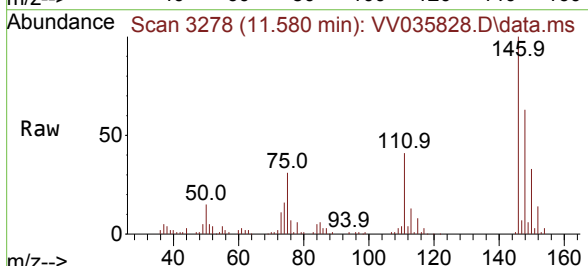
Tgt Ion:146 Resp: 53617

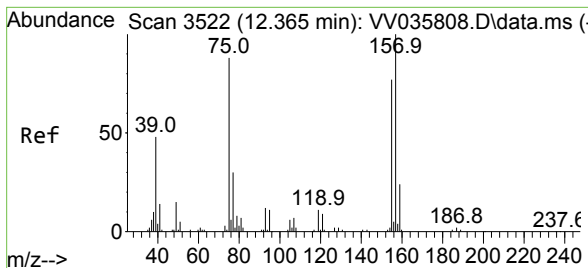
Ion Ratio Lower Upper

146 100

111 40.6 32.6 48.8

148 62.9 51.1 76.7

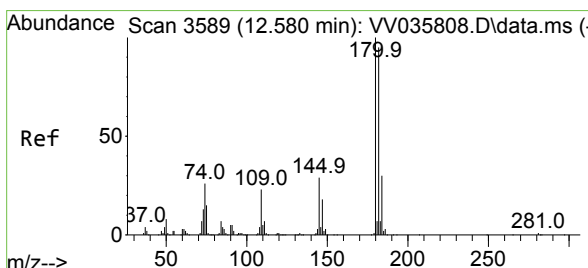
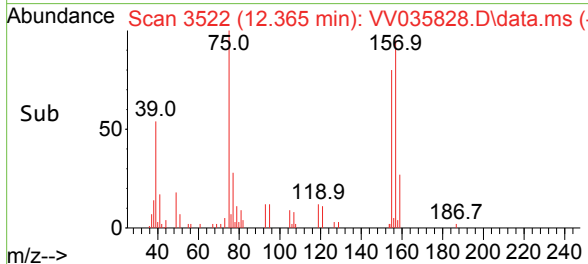
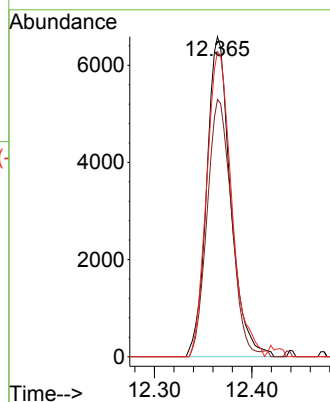
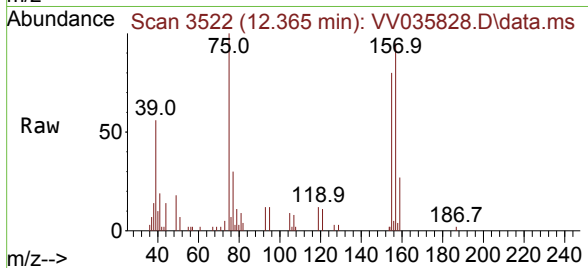




#68  
1,2-Dibromo-3-chloropropane  
Concen: 55.582 ug/L  
RT: 12.365 min Scan# 3522  
Delta R.T. 0.000 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35

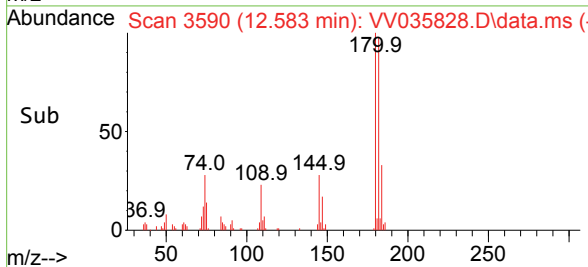
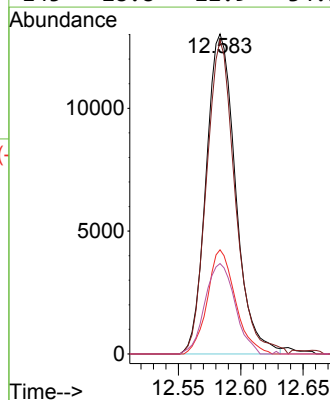
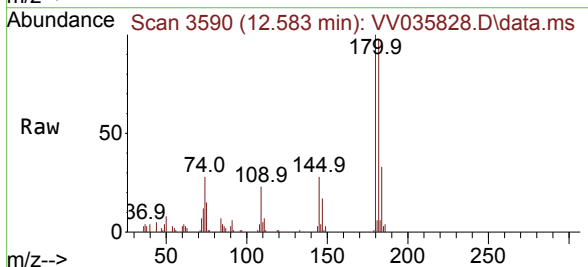
Instrument :  
MSVOA\_V  
ClientSampleId :

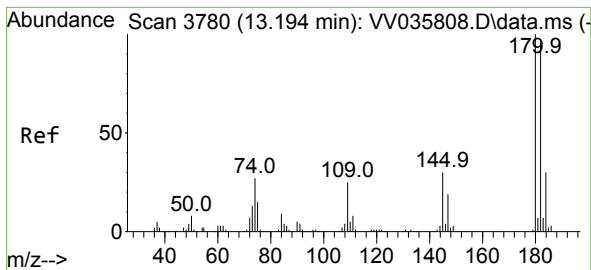
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 11192 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 80.4  | 69.8  | 104.6 |
| 157      | 95.3  | 95.0  | 142.6 |



#69  
1,3,5-Trichlorobenzene  
Concen: 10.564 ug/L  
RT: 12.583 min Scan# 3590  
Delta R.T. 0.003 min  
Lab File: VV035828.D  
Acq: 26 May 2024 03:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 21381 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 95.5  | 76.2  | 114.2 |
| 184      | 31.0  | 24.1  | 36.1  |
| 145      | 28.8  | 22.9  | 34.3  |





#70

1,2,4-trichlorobenzene

Concen: 7.881 ug/L

RT: 13.201 min Scan# 31

Delta R.T. 0.007 min

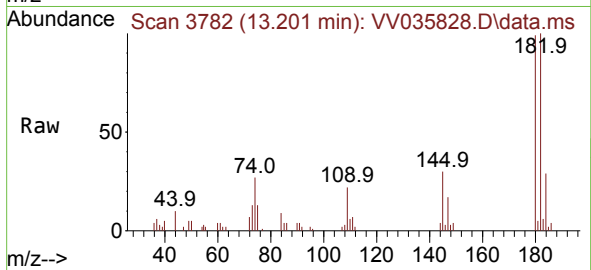
Lab File: VV035828.D

Acq: 26 May 2024 03:35

Instrument :

MSVOA\_V

ClientSampleId :



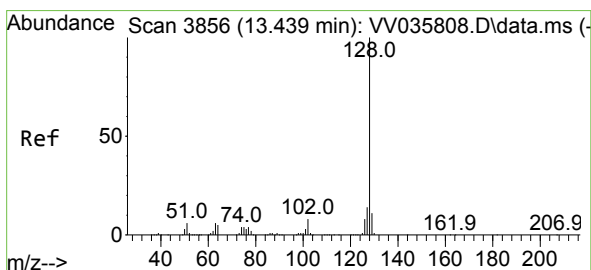
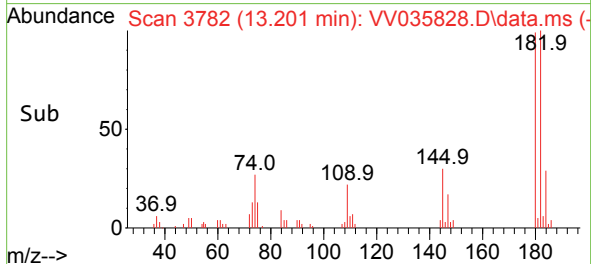
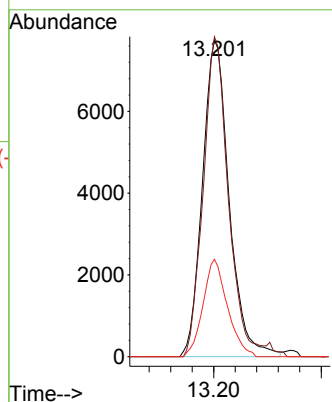
Tgt Ion:180 Resp: 13320

Ion Ratio Lower Upper

180 100

182 94.9 76.6 114.8

145 28.1 23.2 34.8



#71

Naphthalene

Concen: 9.660 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.003 min

Lab File: VV035828.D

Acq: 26 May 2024 03:35

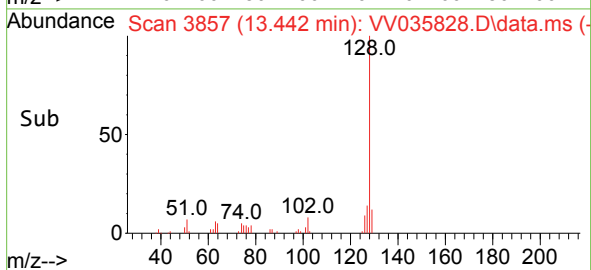
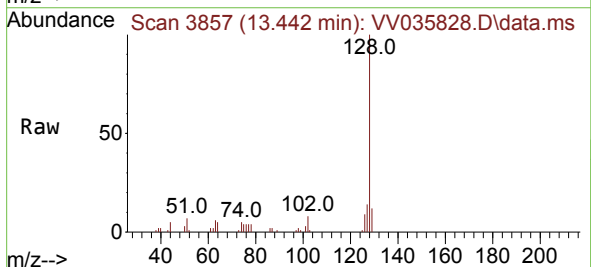
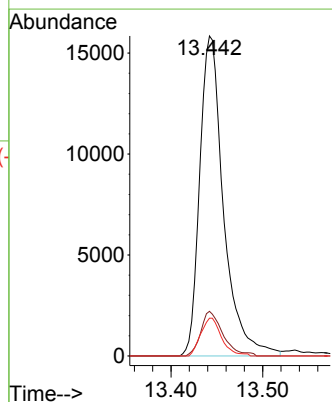
Tgt Ion:128 Resp: 28662

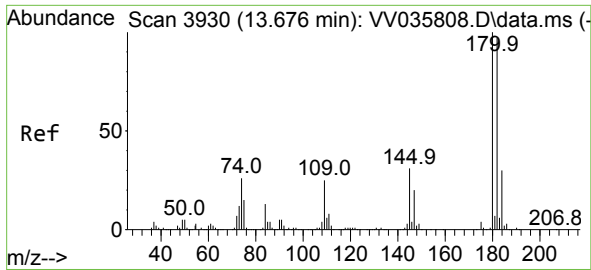
Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

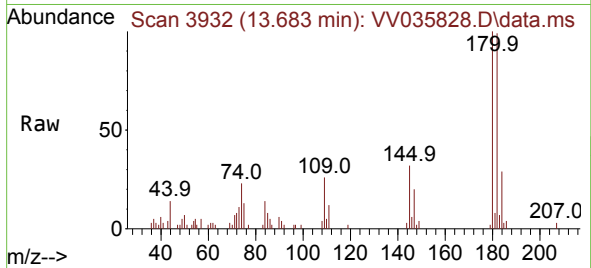
129 10.2 8.6 13.0





#72  
 1,2,3-Trichlorobenzene  
 Concen: 7.119 ug/L  
 RT: 13.683 min Scan# 3932  
 Delta R.T. 0.006 min  
 Lab File: VV035828.D  
 Acq: 26 May 2024 03:35

Instrument :  
 MSVOA\_V  
 ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 10824 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 94.3  | 75.8  | 113.6 |
| 145       | 28.9  | 25.2  | 37.8  |

