

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW112321\  
 Data File : VW023669.D  
 Acq On : 23 Nov 2021 14:08  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 24 04:31:47 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR112321WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Nov 24 04:22:49 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114   | 152147   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 148715   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 82312    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 55403    | 4.436    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 88.800%  |
| 7) Chloroethane-d5            | 1.564  | 69    | 43422    | 4.423    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 88.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 100866   | 4.582    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 91.600%  |
| 20) 2-Butanone-d5             | 3.905  | 46    | 47309    | 31.508   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 63.020%  |
| 24) Chloroform-d              | 4.346  | 84    | 102329   | 4.705    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 47411    | 4.666    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 93.400%  |
| 32) Benzene-d6                | 5.050  | 84    | 198068   | 4.889    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67    | 54388    | 4.789    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 95.800%  |
| 41) Toluene-d8                | 7.313  | 98    | 195518   | 5.165    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 103.400% |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 22467    | 4.908    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 98.200%  |
| 46) 2-Hexanone-d5             | 8.092  | 63    | 78177    | 51.399   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 102.800% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 39738    | 4.862    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 97.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 71738    | 4.930    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 98.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127  | 85    | 70861    | 4.909    | ug/L   | 100      |
| 3) Chloromethane              | 1.240  | 50    | 59040    | 4.705    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.307  | 62    | 63283    | 4.802    | ug/L   | 98       |
| 6) Bromomethane               | 1.519  | 94    | 36358    | 4.865    | ug/L   | 99       |
| 8) Chloroethane               | 1.584  | 64    | 38042    | 4.555    | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 1.751  | 101   | 102764   | 4.785    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114  | 101   | 52835    | 4.910    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.117  | 96    | 49786    | 4.884    | ug/L   | 96       |
| 13) Acetone                   | 2.188  | 43    | 40651    | 30.087   | ug/L   | 94       |
| 14) Carbon disulfide          | 2.294  | 76    | 168427   | 4.915    | ug/L   | 98       |
| 15) Methyl Acetate            | 2.442  | 43    | 9707     | 3.165    | ug/L # | 76       |
| 16) Methylene chloride        | 2.507  | 84    | 58925    | 4.051    | ug/L   | 97       |
| 17) Methyl tert-butyl Ether   | 2.767  | 73    | 107144   | 5.129    | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 2.761  | 96    | 58284    | 5.020    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.188  | 63    | 96270    | 4.931    | ug/L   | 99       |
| 21) 2-Butanone                | 3.989  | 43    | 69509    | 40.646   | ug/L # | 72       |
| 22) cis-1,2-Dichloroethene    | 3.912  | 96    | 58308    | 5.237    | ug/L   | 100      |
| 23) Bromochloromethane        | 4.249  | 128   | 26753    | 5.120    | ug/L   | 92       |
| 25) Chloroform                | 4.375  | 83    | 105241   | 4.839    | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW112321\  
 Data File : VV023669.D  
 Acq On : 23 Nov 2021 14:08  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 24 04:31:47 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR112321WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Nov 24 04:22:49 2021  
 Response via : Initial Calibration

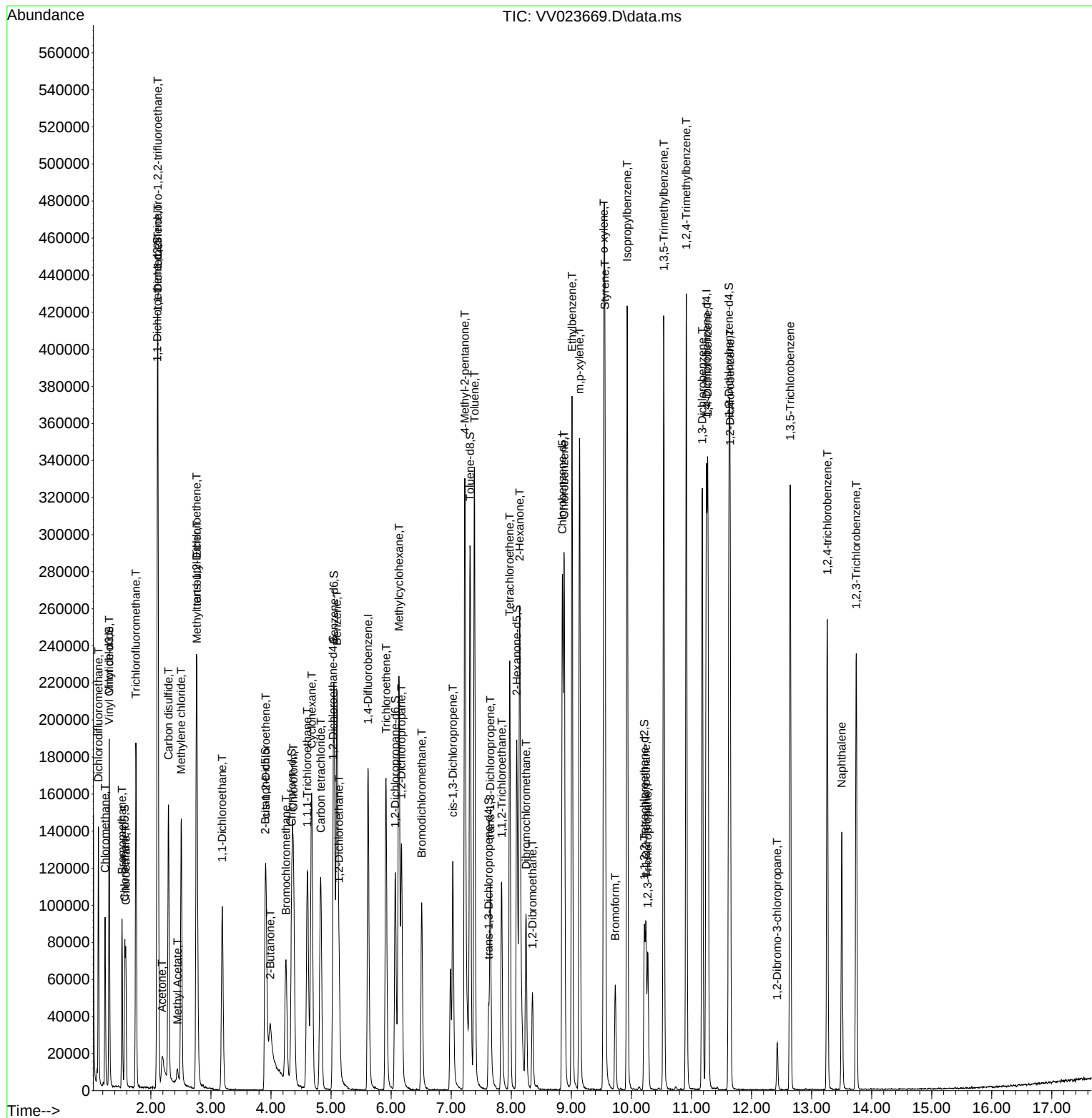
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 56950    | 4.925  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 4.606  | 97   | 98134    | 5.050  | ug/L  | 99       |
| 30) Cyclohexane               | 4.677  | 56   | 84301    | 5.198  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.828  | 117  | 88604    | 4.977  | ug/L  | 100      |
| 33) Benzene                   | 5.098  | 78   | 217628   | 5.133  | ug/L  | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 58687    | 5.167  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.130  | 83   | 95157    | 5.374  | ug/L  | 95       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 50513    | 5.012  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.510  | 83   | 69583    | 5.087  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 75184    | 5.242  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 253193   | 52.629 | ug/L  | 98       |
| 42) Toluene                   | 7.387  | 91   | 247365   | 5.380  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 64022    | 5.311  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 36622    | 5.248  | ug/L  | 98       |
| 47) Tetrachloroethene         | 7.976  | 164  | 52214    | 5.051  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.140  | 43   | 186948   | 52.576 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.246  | 129  | 48836    | 5.107  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 35557    | 5.225  | ug/L  | 97       |
| 51) Chlorobenzene             | 8.882  | 112  | 156409   | 5.131  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.011  | 91   | 253767   | 5.280  | ug/L  | 99       |
| 53) m,p-xylene                | 9.136  | 106  | 100925   | 5.276  | ug/L  | 96       |
| 54) o-xylene                  | 9.542  | 106  | 96157    | 5.286  | ug/L  | 99       |
| 55) Styrene                   | 9.561  | 104  | 164950   | 5.382  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.243 | 83   | 40803    | 5.255  | ug/L  | 96       |
| 59) Bromoform                 | 9.731  | 173  | 26802    | 4.930  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.931  | 105  | 263795   | 5.367  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.272 | 75   | 28217    | 4.834  | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 219346   | 5.363  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 220660   | 5.456  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 133450   | 5.311  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 130853   | 5.181  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146  | 118842   | 5.168  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 5958     | 5.140  | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 104222   | 5.312  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 79546    | 5.225  | ug/L  | 99       |
| 71) Naphthalene               | 13.503 | 128  | 109908   | 5.365  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 70917    | 5.376  | ug/L  | 99       |

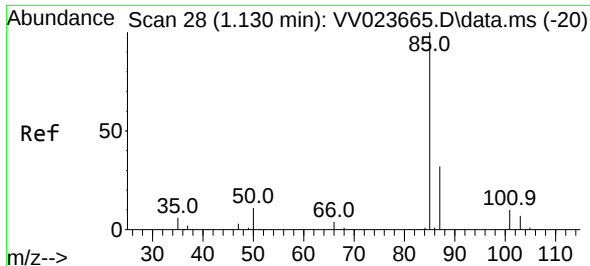
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV112321\  
Data File : VV023669.D  
Acq On : 23 Nov 2021 14:08  
Operator : SY/MD  
Sample : VSTDCCC005  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Nov 24 04:31:47 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR112321WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Nov 24 04:22:49 2021  
Response via : Initial Calibration

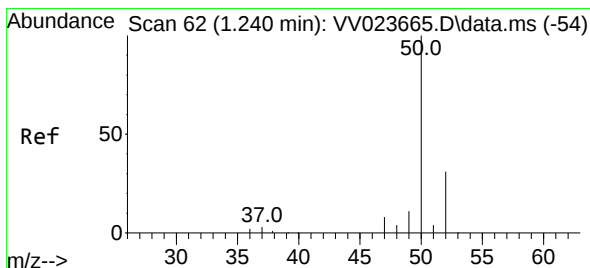
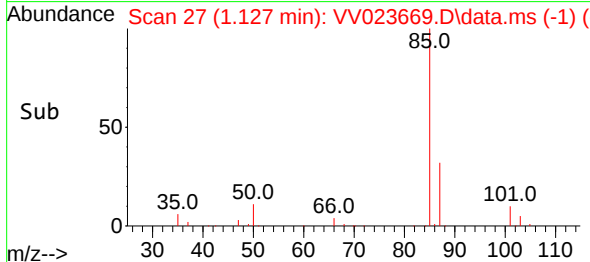
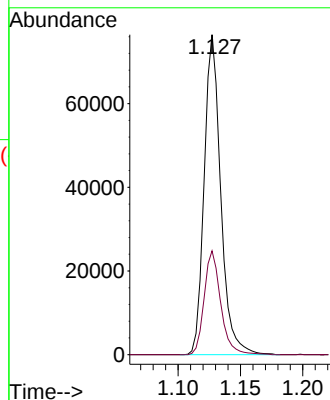
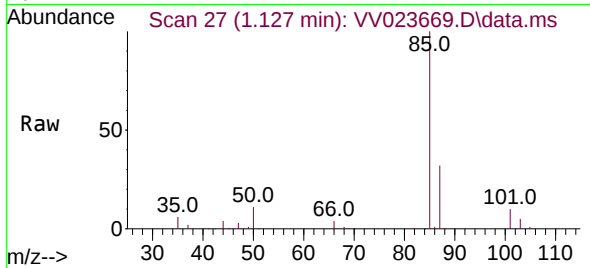




#2  
 Dichlorodifluoromethane  
 Concen: 4.909 ug/L  
 RT: 1.127 min Scan# 21  
 Delta R.T. -0.003 min  
 Lab File: VV023669.D  
 Acq: 23 Nov 2021 14:08

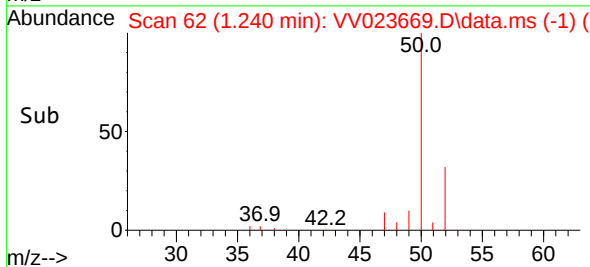
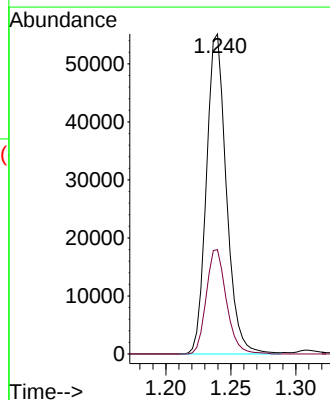
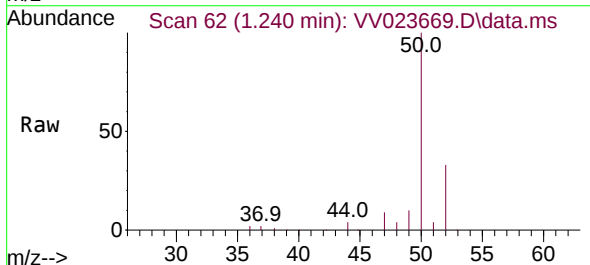
Instrument :  
 MSVOA\_V  
 ClientSampleId :

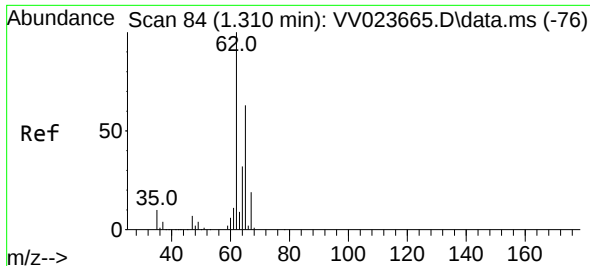
Tgt Ion: 85 Resp: 70861  
 Ion Ratio Lower Upper  
 85 100  
 87 32.4 26.0 39.0



#3  
 Chloromethane  
 Concen: 4.705 ug/L  
 RT: 1.240 min Scan# 62  
 Delta R.T. 0.000 min  
 Lab File: VV023669.D  
 Acq: 23 Nov 2021 14:08

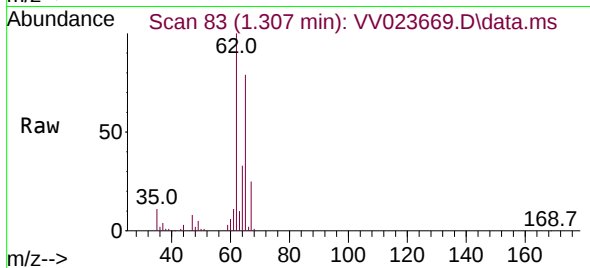
Tgt Ion: 50 Resp: 59040  
 Ion Ratio Lower Upper  
 50 100  
 52 32.6 22.0 41.0



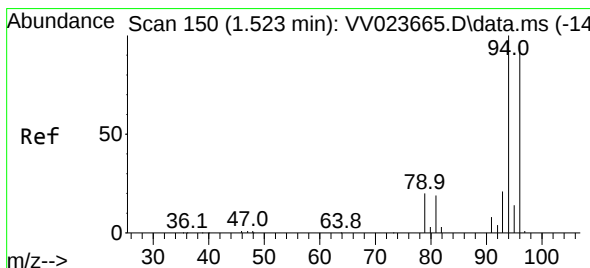
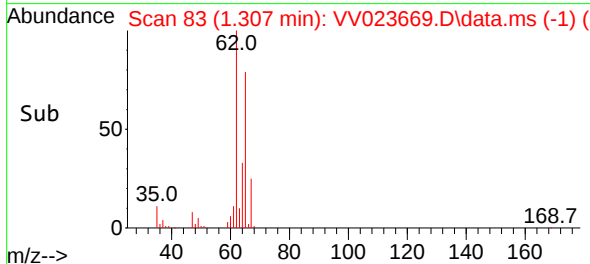
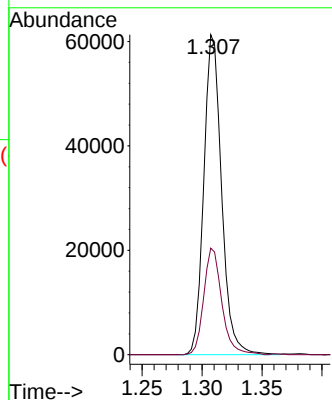


#5  
 Vinyl chloride  
 Concen: 4.802 ug/L  
 RT: 1.307 min Scan# 81  
 Delta R.T. -0.003 min  
 Lab File: VV023669.D  
 Acq: 23 Nov 2021 14:08

Instrument :  
 MSVOA\_V  
 ClientSampleId :

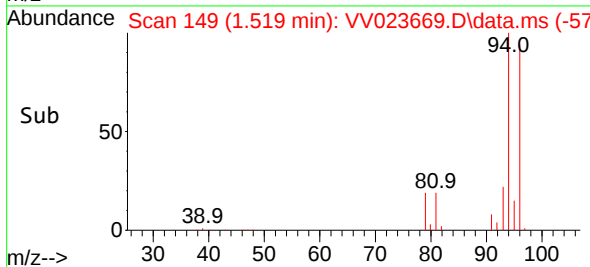
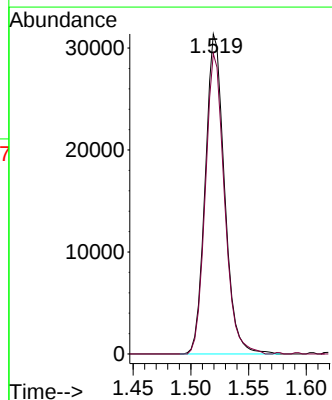
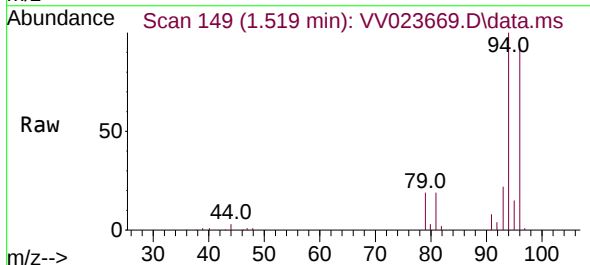


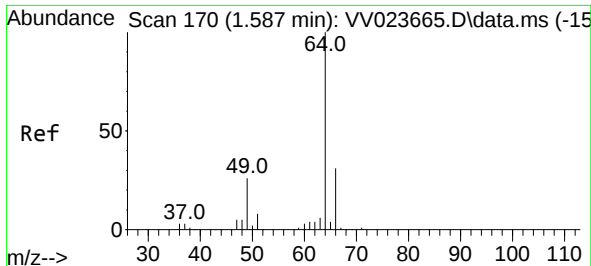
Tgt Ion: 62 Resp: 63283  
 Ion Ratio Lower Upper  
 62 100  
 64 33.3 22.4 41.6



#6  
 Bromomethane  
 Concen: 4.865 ug/L  
 RT: 1.519 min Scan# 149  
 Delta R.T. -0.003 min  
 Lab File: VV023669.D  
 Acq: 23 Nov 2021 14:08

Tgt Ion: 94 Resp: 36358  
 Ion Ratio Lower Upper  
 94 100  
 96 93.9 66.2 123.0

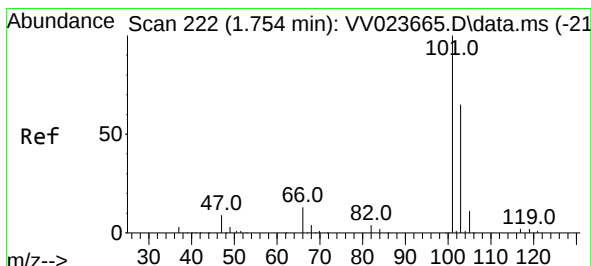
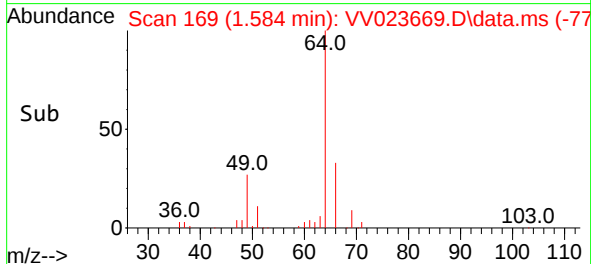
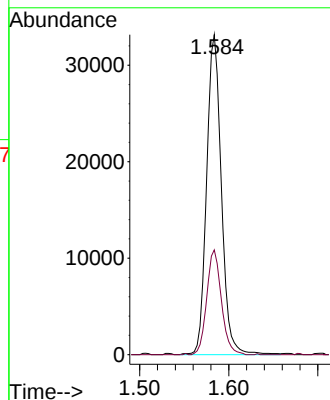
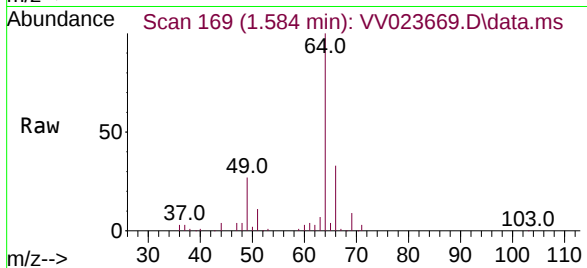




#8  
Chloroethane  
Concen: 4.555 ug/L  
RT: 1.584 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

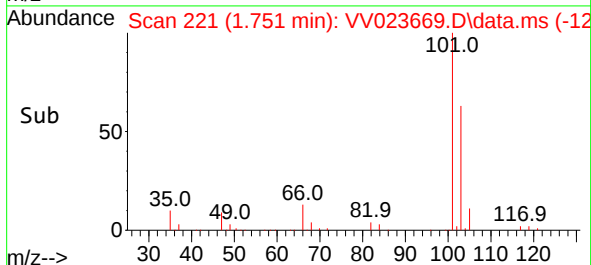
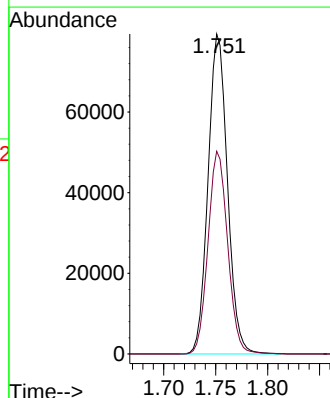
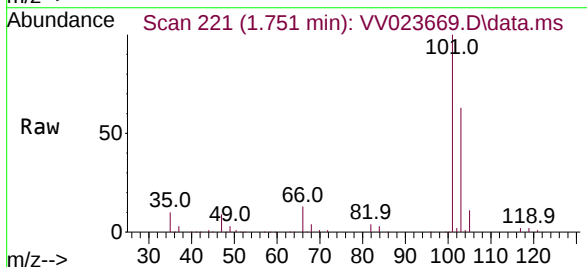
Instrument :  
MSVOA\_V  
ClientSampleId :

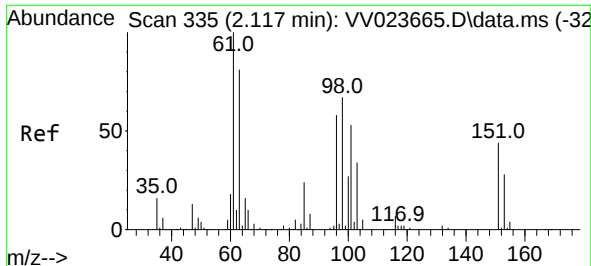
Tgt Ion: 64 Resp: 38042  
Ion Ratio Lower Upper  
64 100  
66 32.8 21.4 39.8



#9  
Trichlorofluoromethane  
Concen: 4.785 ug/L  
RT: 1.751 min Scan# 221  
Delta R.T. -0.003 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

Tgt Ion:101 Resp: 102764  
Ion Ratio Lower Upper  
101 100  
103 64.3 51.6 77.4





#10

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

Concen: 4.910 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV023669.D

Acq: 23 Nov 2021 14:08

Instrument :

MSVOA\_V

ClientSampleId :

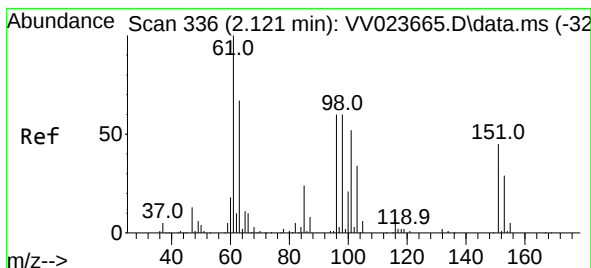
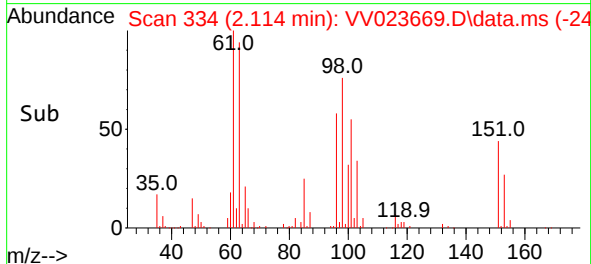
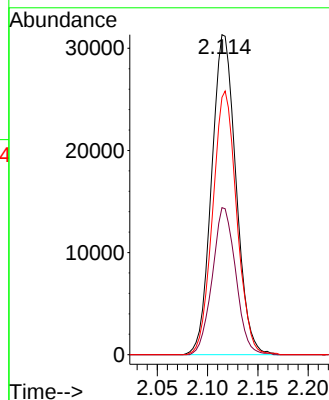
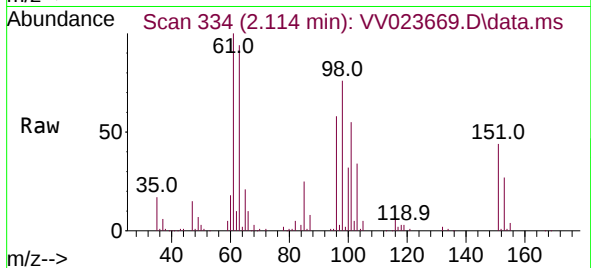
Tgt Ion:101 Resp: 52835

Ion Ratio Lower Upper

101 100

85 44.1 36.0 54.0

151 81.1 66.4 99.6



#12

1,1-Dichloroethene

Concen: 4.884 ug/L

RT: 2.117 min Scan# 335

Delta R.T. -0.003 min

Lab File: VV023669.D

Acq: 23 Nov 2021 14:08

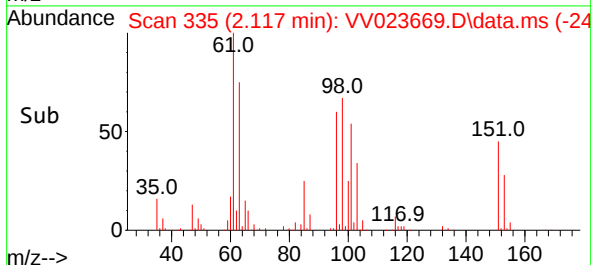
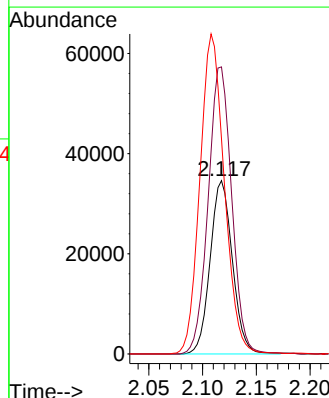
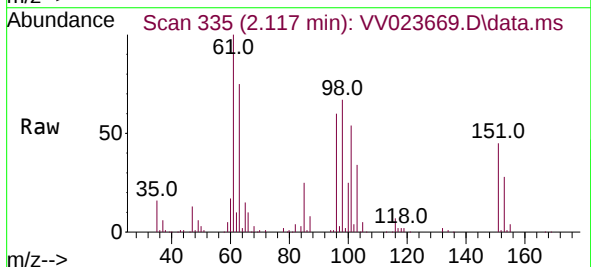
Tgt Ion: 96 Resp: 49786

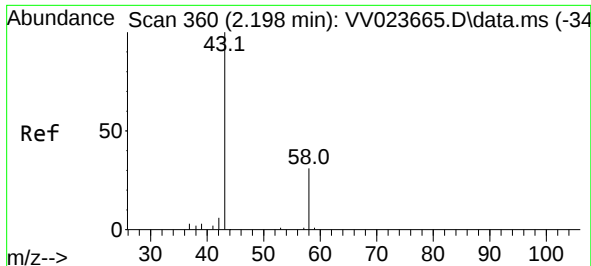
Ion Ratio Lower Upper

96 100

61 165.6 116.1 215.5

63 124.2 79.4 147.4





#13

Acetone

Concen: 30.087 ug/L

RT: 2.188 min Scan# 31

Delta R.T. -0.009 min

Lab File: VV023669.D

Acq: 23 Nov 2021 14:08

Instrument :

MSVOA\_V

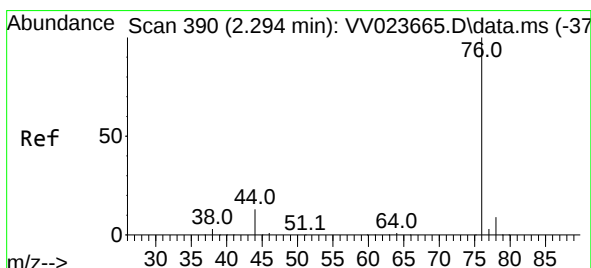
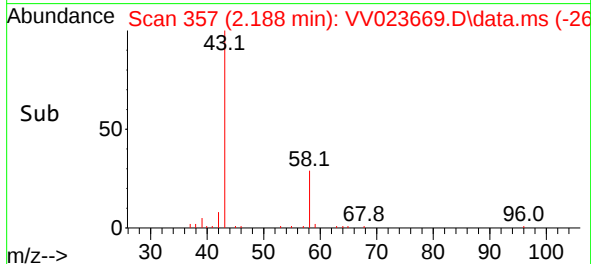
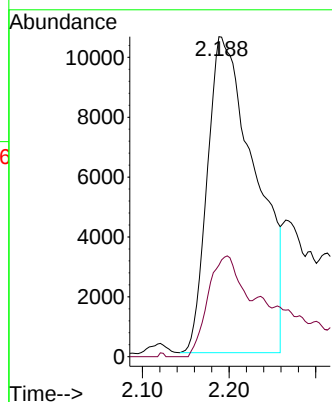
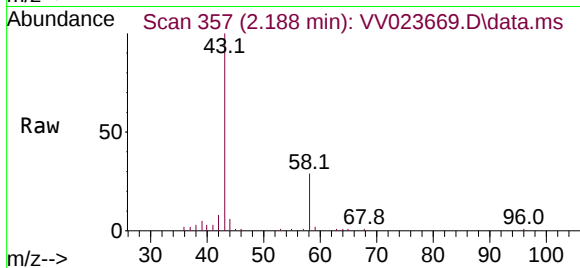
ClientSampleId :

Tgt Ion: 43 Resp: 40651

Ion Ratio Lower Upper

43 100

58 23.6 0.0 41.4



#14

Carbon disulfide

Concen: 4.915 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.000 min

Lab File: VV023669.D

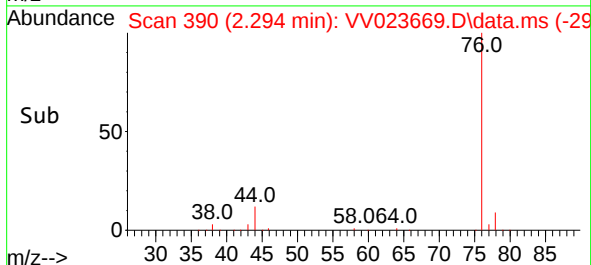
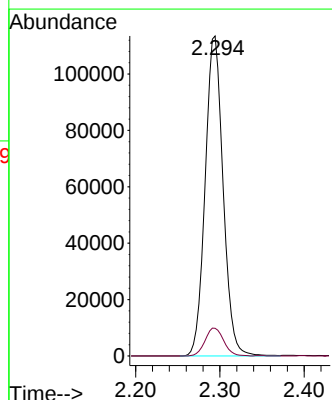
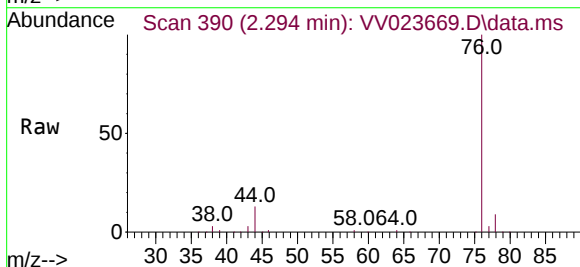
Acq: 23 Nov 2021 14:08

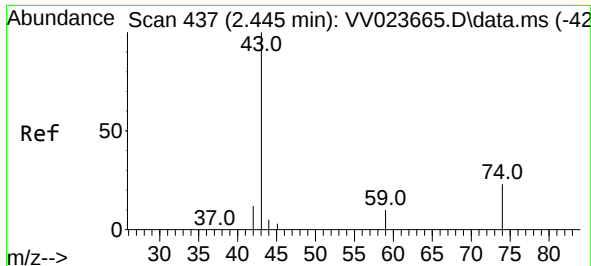
Tgt Ion: 76 Resp: 168427

Ion Ratio Lower Upper

76 100

78 8.7 7.5 11.3

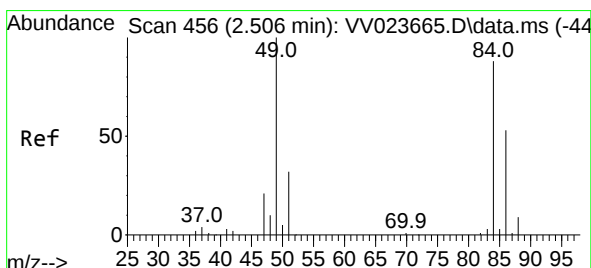
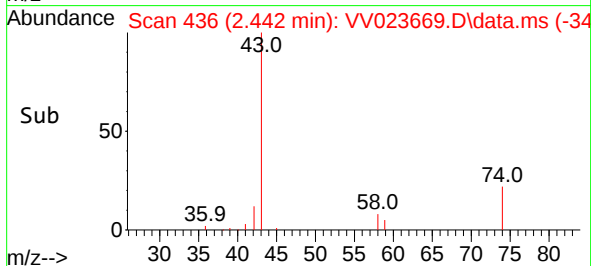
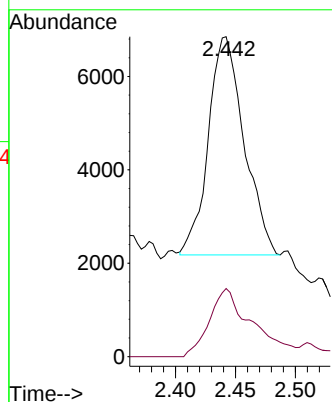
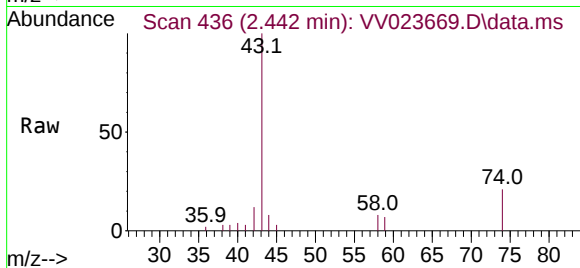




#15  
Methyl Acetate  
Concen: 3.165 ug/L  
RT: 2.442 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

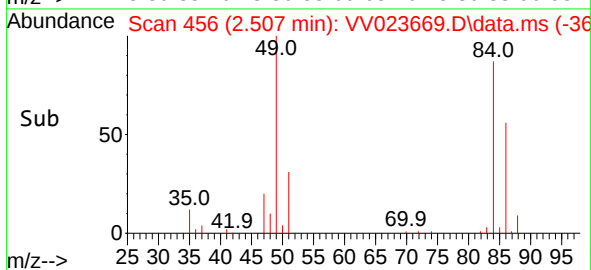
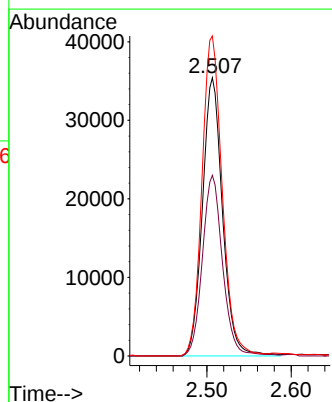
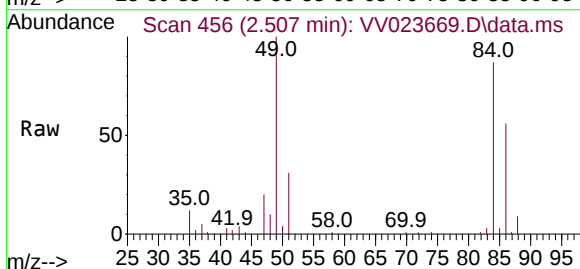
Instrument :  
MSVOA\_V  
ClientSampleId :

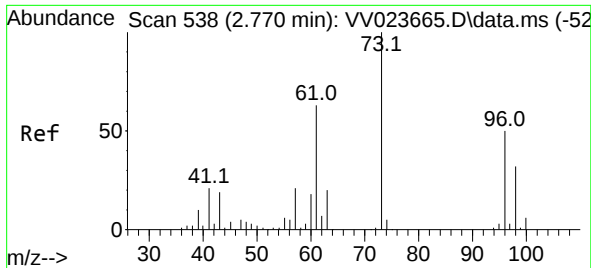
Tgt Ion: 43 Resp: 9707  
Ion Ratio Lower Upper  
43 100  
74 37.2 20.2 30.2#



#16  
Methylene chloride  
Concen: 4.051 ug/L  
RT: 2.507 min Scan# 456  
Delta R.T. 0.000 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

Tgt Ion: 84 Resp: 58925  
Ion Ratio Lower Upper  
84 100  
86 64.9 42.6 79.0  
49 115.0 79.7 147.9

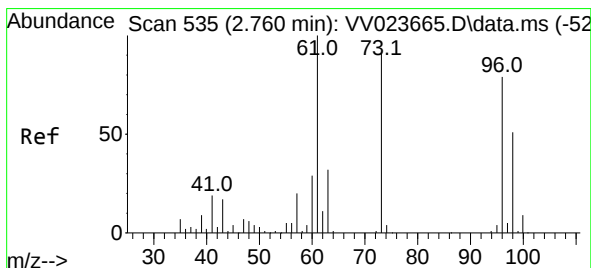
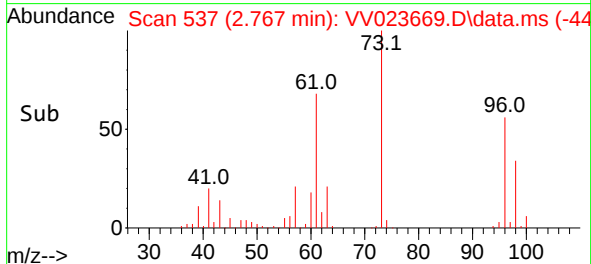
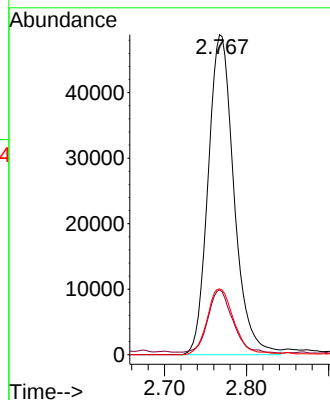
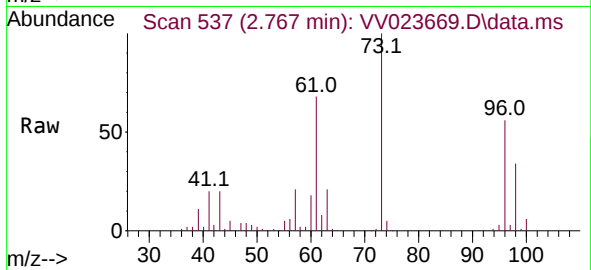




#17  
Methyl tert-butyl Ether  
Concen: 5.129 ug/L  
RT: 2.767 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

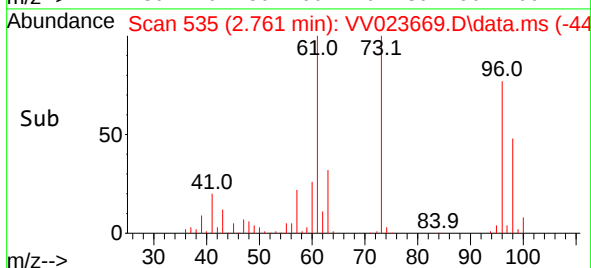
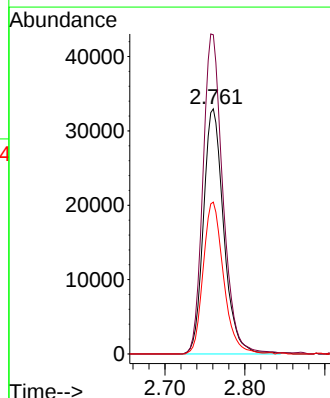
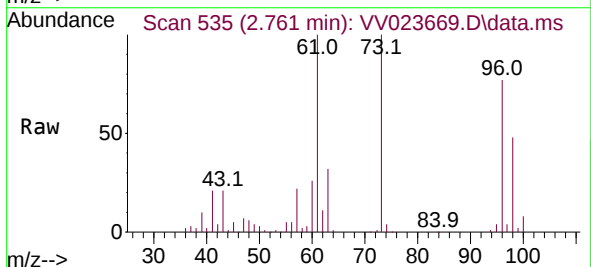
Instrument :  
MSVOA\_V  
ClientSampleId :

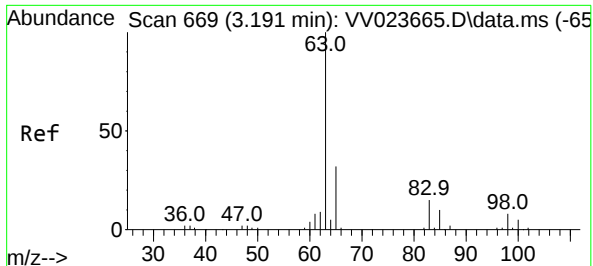
Tgt Ion: 73 Resp: 107144  
Ion Ratio Lower Upper  
73 100  
43 19.1 15.5 23.3  
57 21.3 17.1 25.7



#18  
trans-1,2-Dichloroethene  
Concen: 5.020 ug/L  
RT: 2.761 min Scan# 535  
Delta R.T. 0.000 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

Tgt Ion: 96 Resp: 58284  
Ion Ratio Lower Upper  
96 100  
61 130.2 88.2 163.8  
98 62.0 44.9 83.5





#19

1,1-Dichloroethane

Concen: 4.931 ug/L

RT: 3.188 min Scan# 61

Delta R.T. -0.003 min

Lab File: VV023669.D

Acq: 23 Nov 2021 14:08

Instrument :

MSVOA\_V

ClientSampleId :

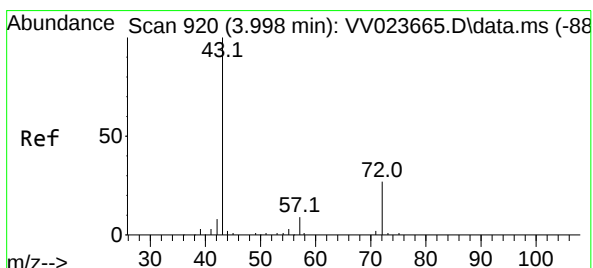
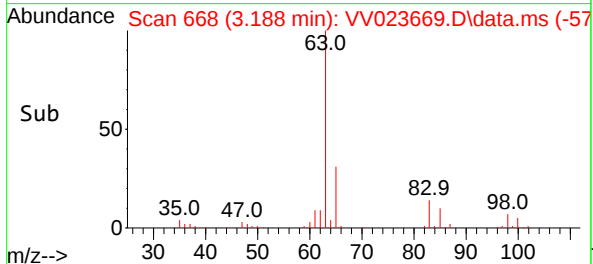
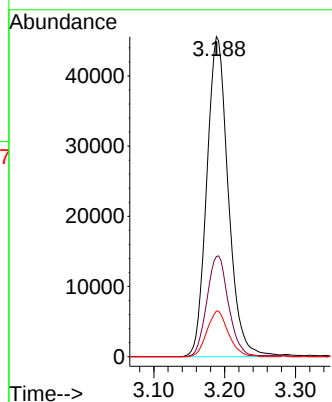
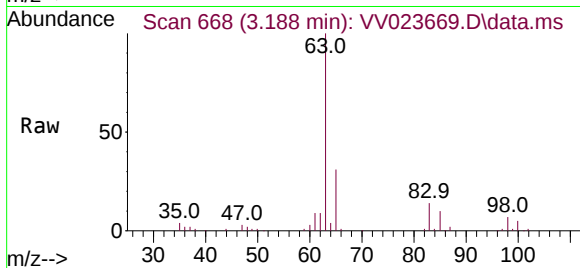
Tgt Ion: 63 Resp: 96270

Ion Ratio Lower Upper

63 100

65 31.3 22.3 41.3

83 14.2 10.7 19.9



#21

2-Butanone

Concen: 40.646 ug/L

RT: 3.989 min Scan# 917

Delta R.T. -0.009 min

Lab File: VV023669.D

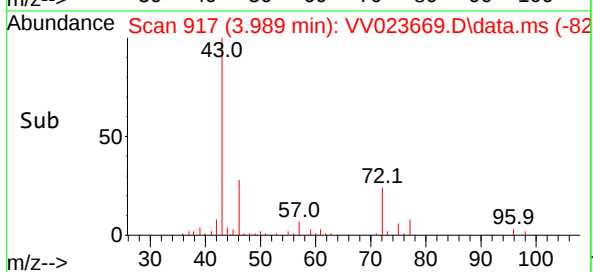
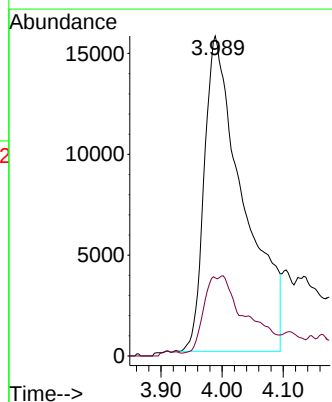
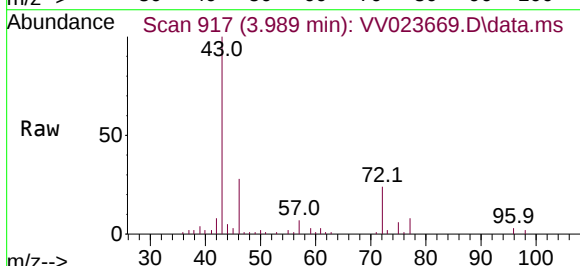
Acq: 23 Nov 2021 14:08

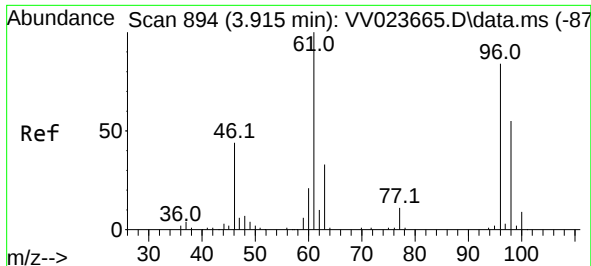
Tgt Ion: 43 Resp: 69509

Ion Ratio Lower Upper

43 100

72 8.7 11.1 33.1#

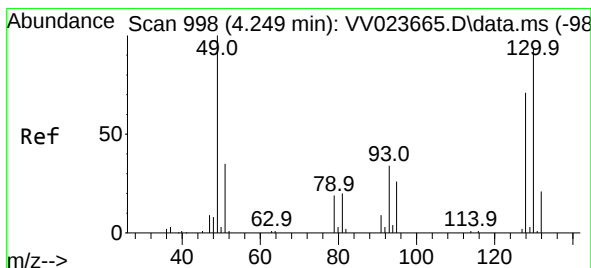
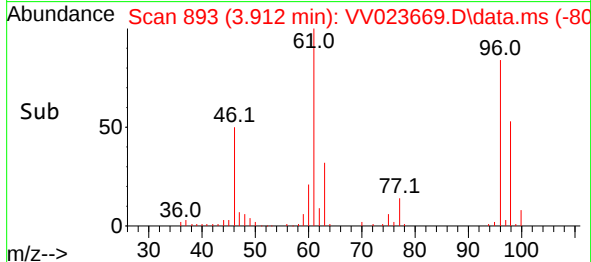
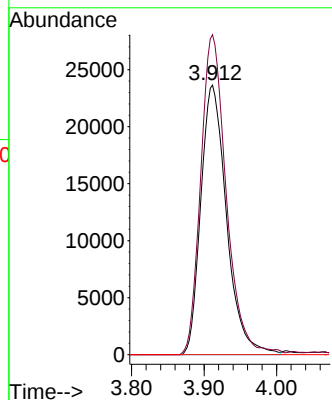
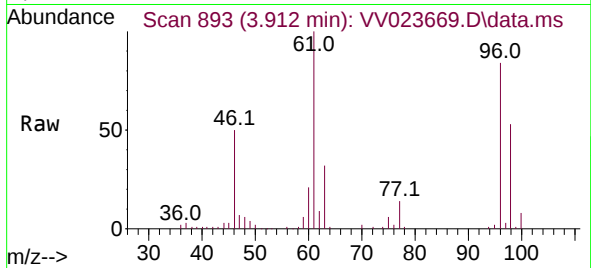




#22  
 cis-1,2-Dichloroethene  
 Concen: 5.237 ug/L  
 RT: 3.912 min Scan# 894  
 Delta R.T. -0.003 min  
 Lab File: VV023669.D  
 Acq: 23 Nov 2021 14:08

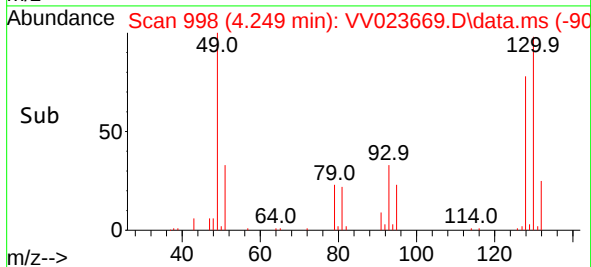
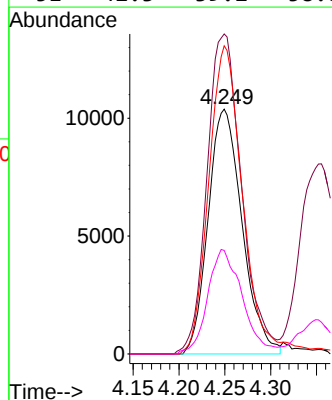
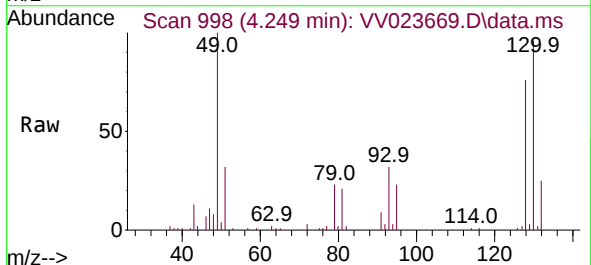
Instrument :  
 MSVOA\_V  
 ClientSampleId :

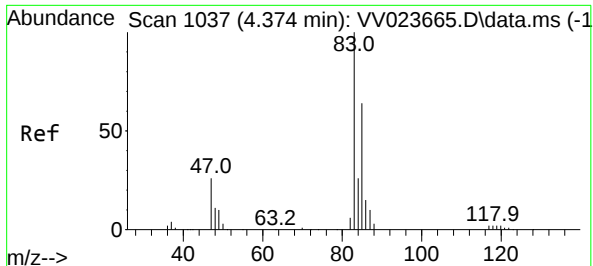
Tgt Ion: 96 Resp: 58308  
 Ion Ratio Lower Upper  
 96 100  
 61 118.7 83.4 154.8  
 68 0.0 0.0 0.0



#23  
 Bromochloromethane  
 Concen: 5.120 ug/L  
 RT: 4.249 min Scan# 998  
 Delta R.T. 0.000 min  
 Lab File: VV023669.D  
 Acq: 23 Nov 2021 14:08

Tgt Ion: 128 Resp: 26753  
 Ion Ratio Lower Upper  
 128 100  
 49 130.7 100.2 186.2  
 130 125.9 92.5 171.7  
 51 42.3 39.2 58.8





#25

Chloroform

Concen: 4.839 ug/L

RT: 4.375 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VV023669.D

Acq: 23 Nov 2021 14:08

Instrument :

MSVOA\_V

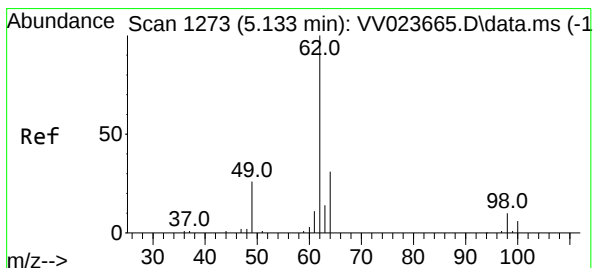
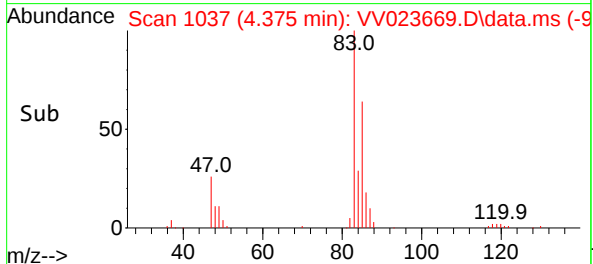
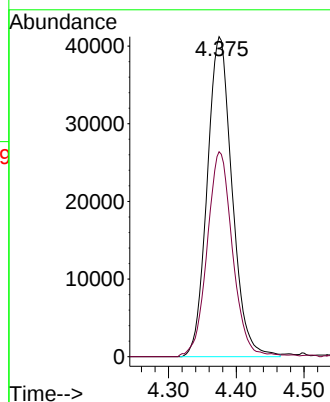
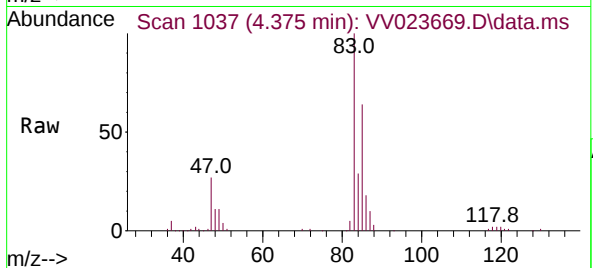
ClientSampleId :

Tgt Ion: 83 Resp: 105241

Ion Ratio Lower Upper

83 100

85 64.0 45.2 84.0



#27

1,2-Dichloroethane

Concen: 4.925 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. -0.003 min

Lab File: VV023669.D

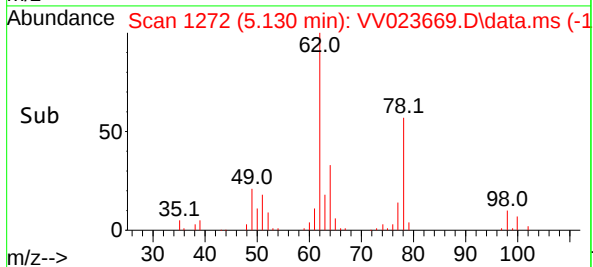
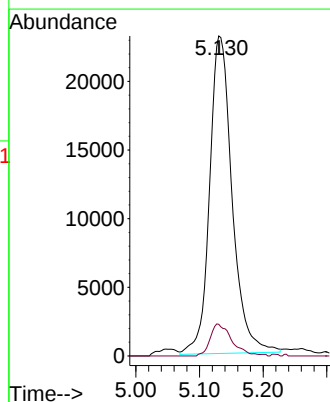
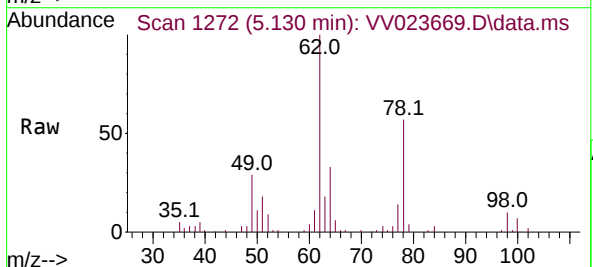
Acq: 23 Nov 2021 14:08

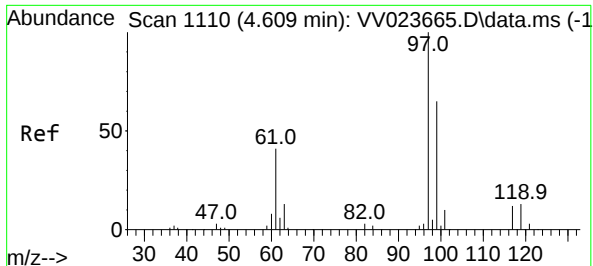
Tgt Ion: 62 Resp: 56950

Ion Ratio Lower Upper

62 100

98 9.9 8.1 12.1





#29

1,1,1-Trichloroethane

Concen: 5.050 ug/L

RT: 4.606 min Scan# 1110

Delta R.T. -0.003 min

Lab File: VV023669.D

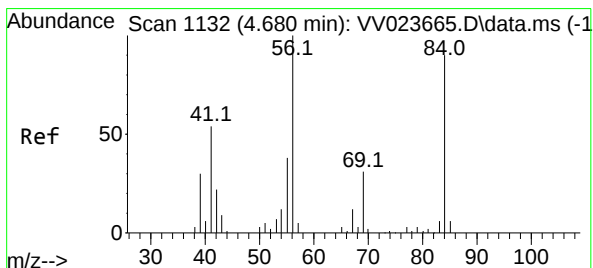
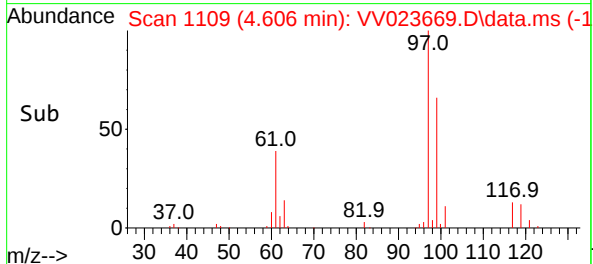
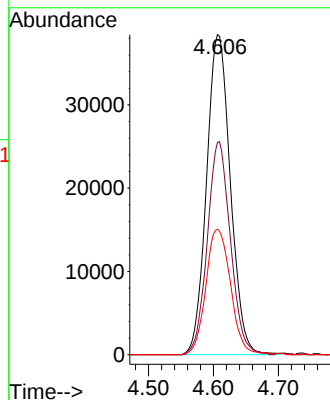
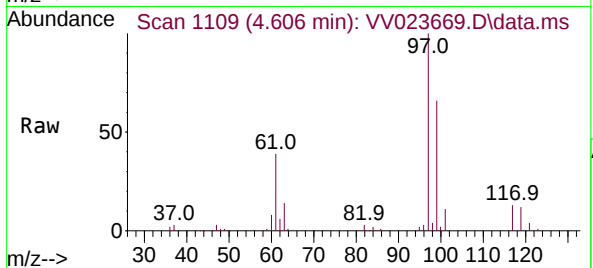
Acq: 23 Nov 2021 14:08

Instrument :

MSVOA\_V

ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 98134 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 64.6     | 51.9 77.9   |
| 61 40.6     | 33.2 49.8   |



#30

Cyclohexane

Concen: 5.198 ug/L

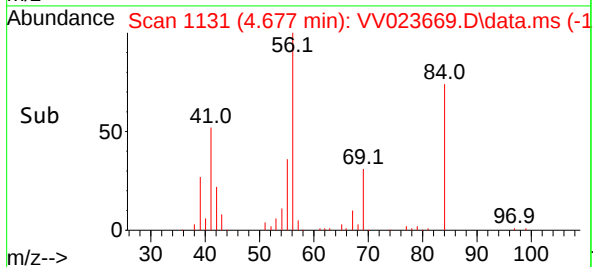
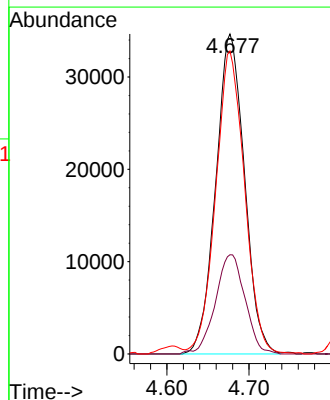
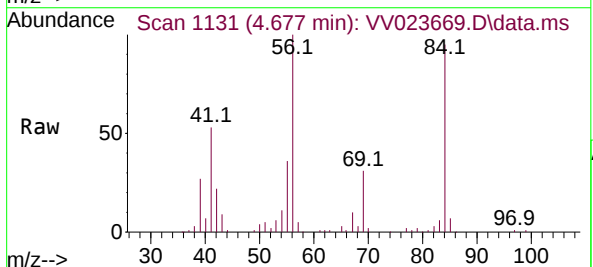
RT: 4.677 min Scan# 1131

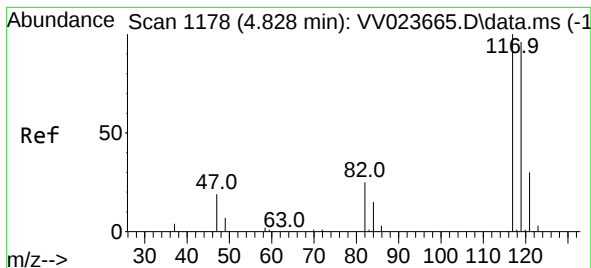
Delta R.T. -0.003 min

Lab File: VV023669.D

Acq: 23 Nov 2021 14:08

|             |             |
|-------------|-------------|
| Tgt Ion: 56 | Resp: 84301 |
| Ion Ratio   | Lower Upper |
| 56 100      |             |
| 69 32.0     | 24.8 37.2   |
| 84 94.5     | 75.9 113.9  |





#31

Carbon tetrachloride

Concen: 4.977 ug/L

RT: 4.828 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VV023669.D

Acq: 23 Nov 2021 14:08

Instrument :

MSVOA\_V

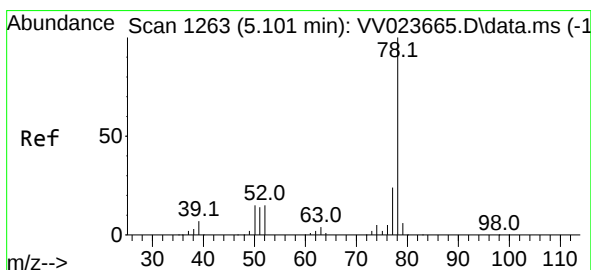
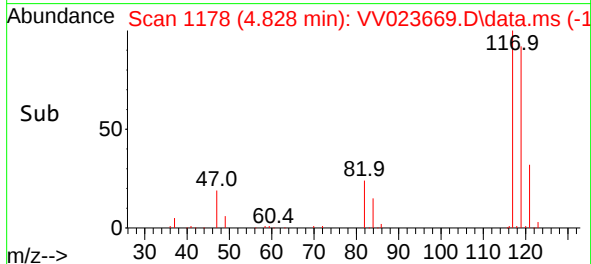
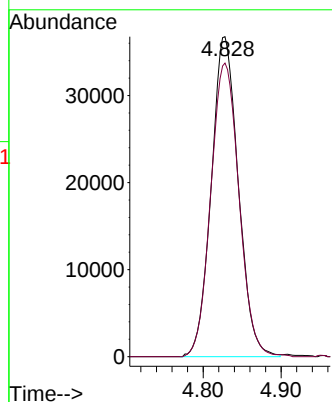
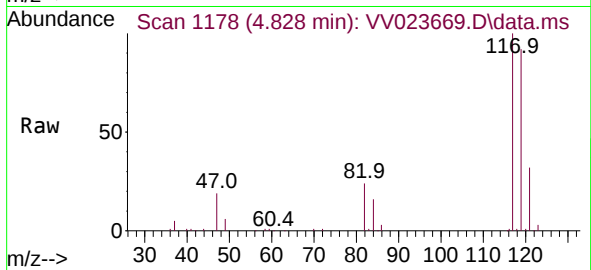
ClientSampleId :

Tgt Ion:117 Resp: 88604

Ion Ratio Lower Upper

117 100

119 95.9 76.6 114.8



#33

Benzene

Concen: 5.133 ug/L

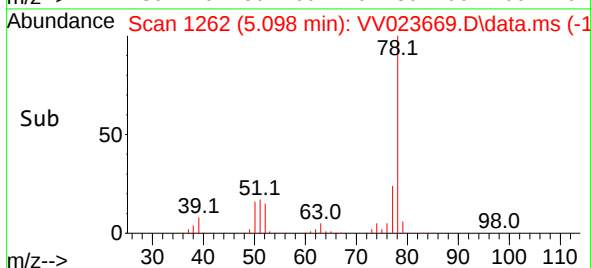
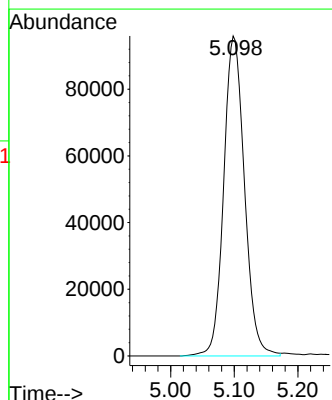
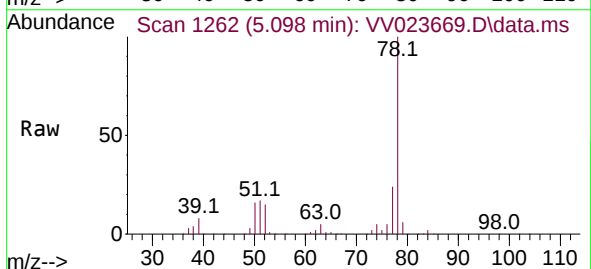
RT: 5.098 min Scan# 1262

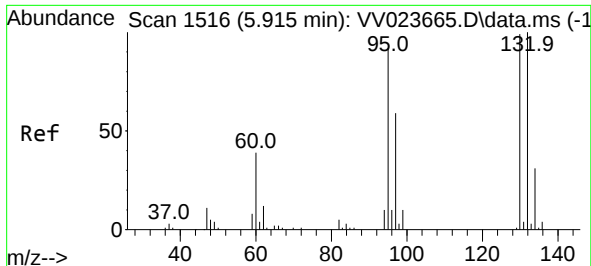
Delta R.T. -0.003 min

Lab File: VV023669.D

Acq: 23 Nov 2021 14:08

Tgt Ion: 78 Resp: 217628

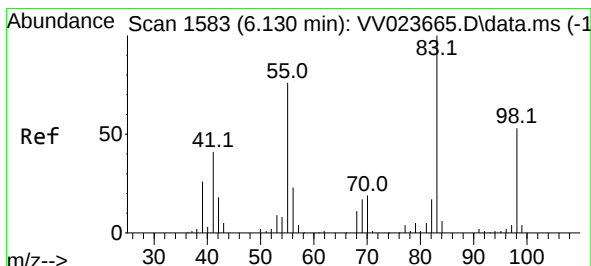
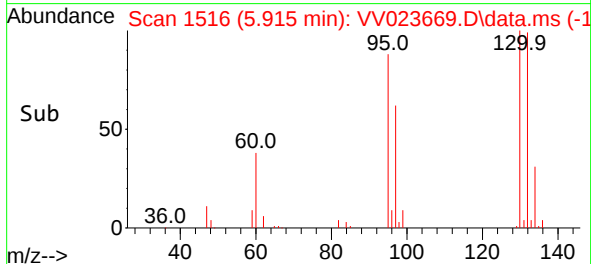
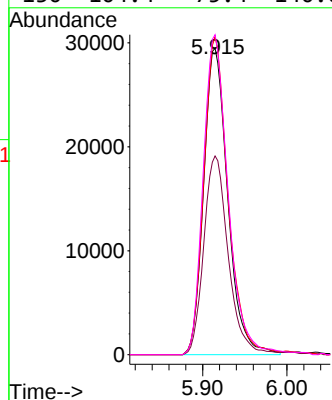
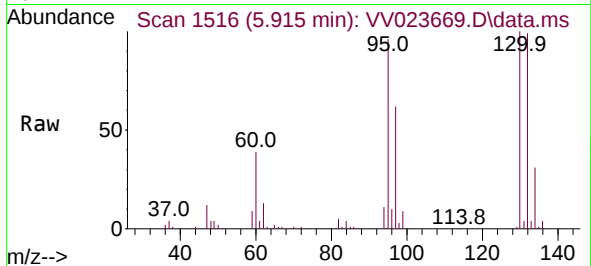




#34  
Trichloroethene  
Concen: 5.167 ug/L  
RT: 5.915 min Scan# 1516  
Delta R.T. 0.000 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

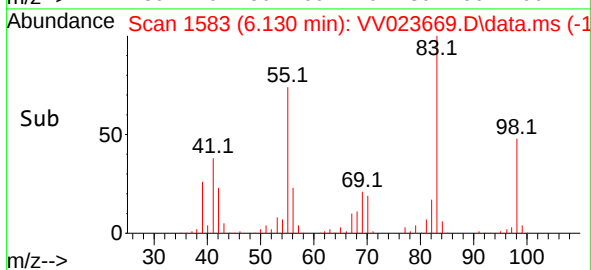
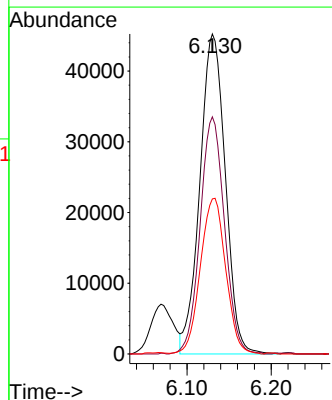
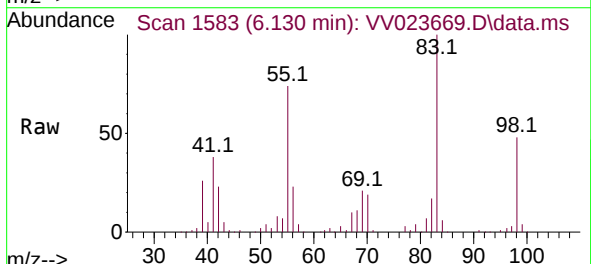
Instrument :  
MSVOA\_V  
ClientSampleId :

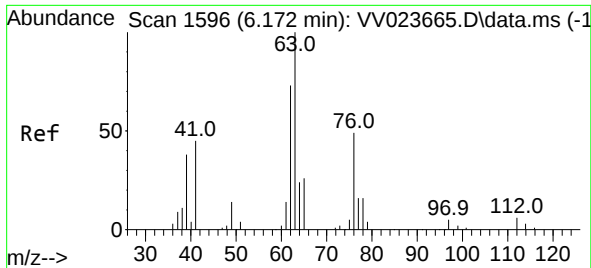
Tgt Ion: 95 Resp: 58687  
Ion Ratio Lower Upper  
95 100  
97 64.8 45.2 84.0  
132 103.7 76.1 141.3  
130 104.4 75.4 140.0



#35  
Methylcyclohexane  
Concen: 5.374 ug/L  
RT: 6.130 min Scan# 1583  
Delta R.T. 0.000 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

Tgt Ion: 83 Resp: 95157  
Ion Ratio Lower Upper  
83 100  
55 71.0 60.2 90.2  
98 48.4 41.0 61.4





#37

1,2-Dichloropropane

Concen: 5.012 ug/L

RT: 6.172 min Scan# 1596

Delta R.T. 0.000 min

Lab File: VV023669.D

Acq: 23 Nov 2021 14:08

Instrument :

MSVOA\_V

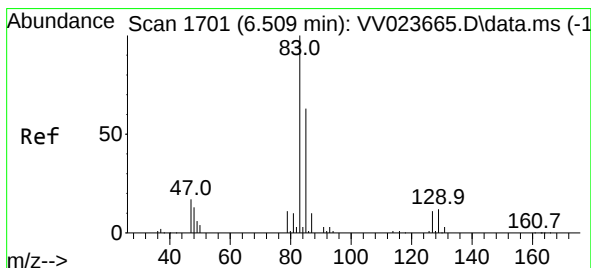
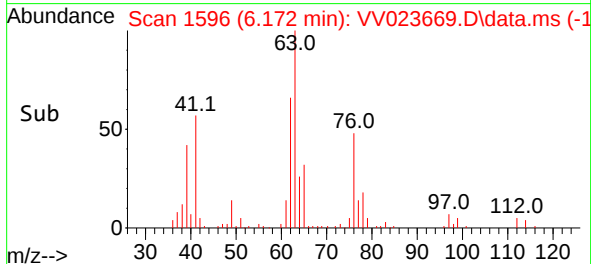
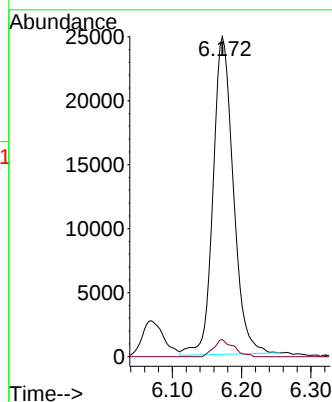
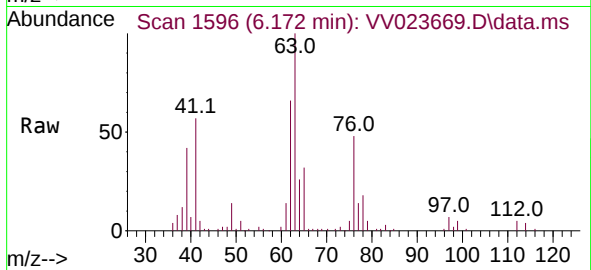
ClientSampleId :

Tgt Ion: 63 Resp: 50513

Ion Ratio Lower Upper

63 100

112 5.2 4.3 6.5



#38

Bromodichloromethane

Concen: 5.087 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VV023669.D

Acq: 23 Nov 2021 14:08

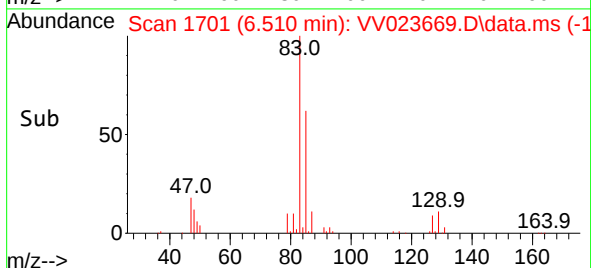
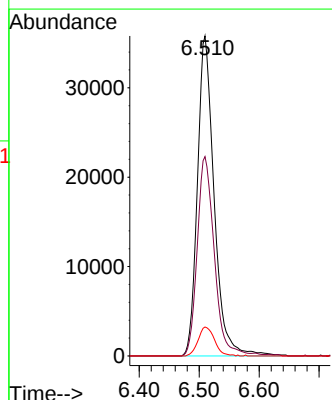
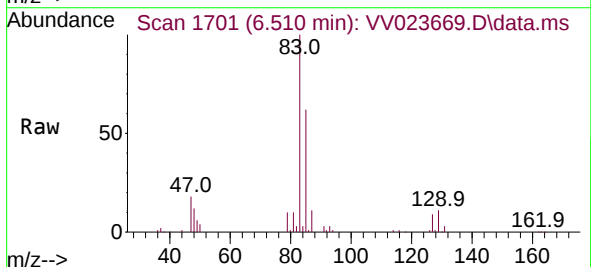
Tgt Ion: 83 Resp: 69583

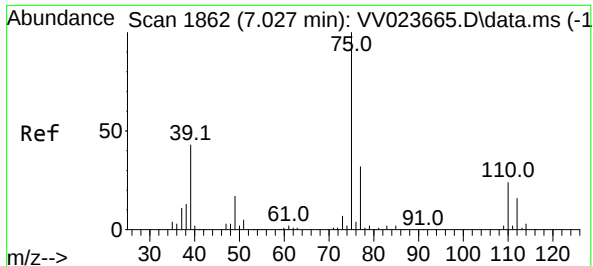
Ion Ratio Lower Upper

83 100

85 62.3 44.0 81.8

127 9.0 8.6 12.8





#39

cis-1,3-Dichloropropene

Concen: 5.242 ug/L

RT: 7.027 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV023669.D

Acq: 23 Nov 2021 14:08

Instrument :

MSVOA\_V

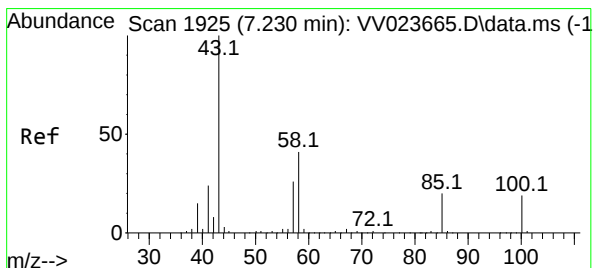
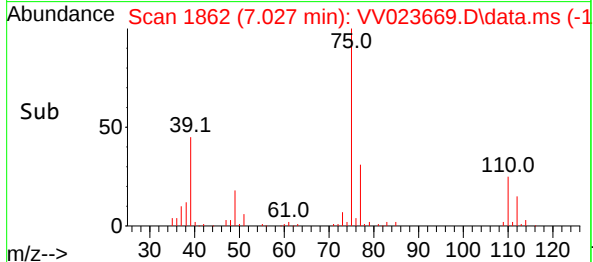
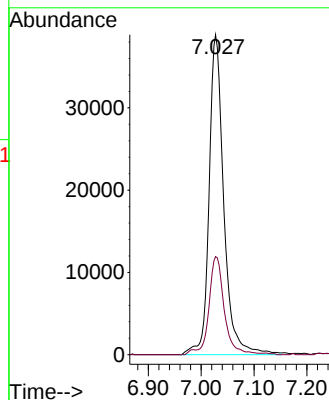
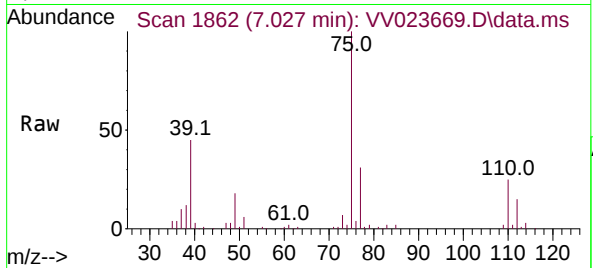
ClientSampleId :

Tgt Ion: 75 Resp: 75184

Ion Ratio Lower Upper

75 100

77 30.7 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 52.629 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. -0.003 min

Lab File: VV023669.D

Acq: 23 Nov 2021 14:08

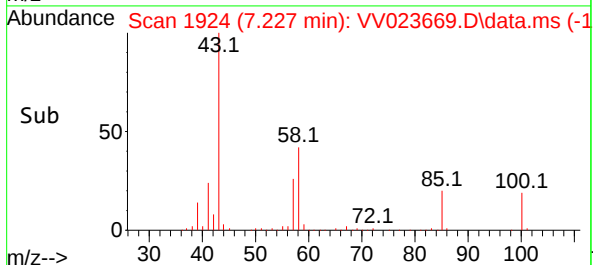
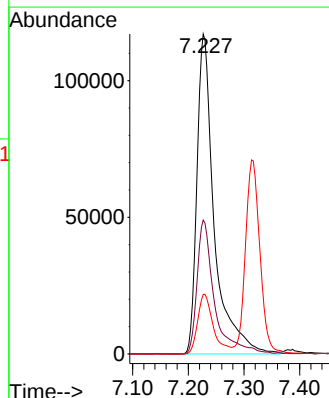
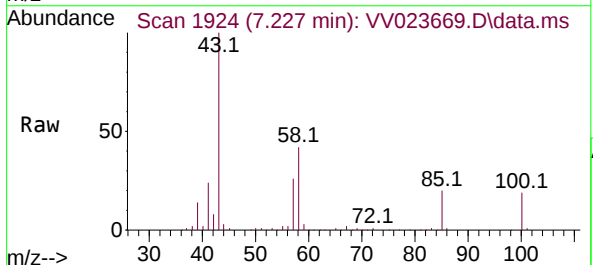
Tgt Ion: 43 Resp: 253193

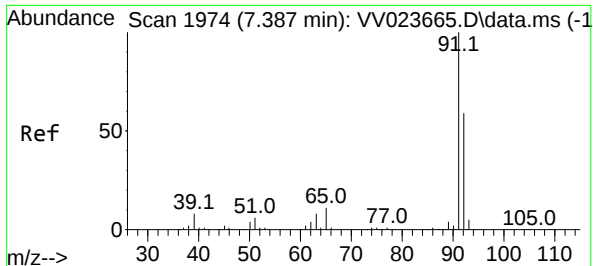
Ion Ratio Lower Upper

43 100

58 41.8 32.3 48.5

100 17.0 13.0 19.6





#42

Toluene

Concen: 5.380 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. 0.000 min

Lab File: VV023669.D

Acq: 23 Nov 2021 14:08

Instrument :

MSVOA\_V

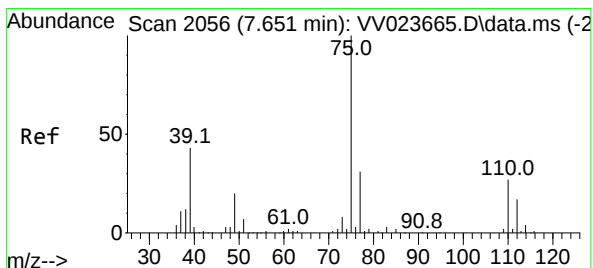
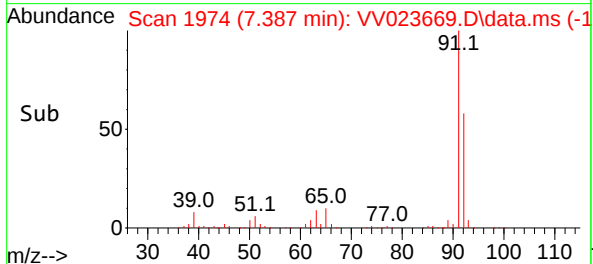
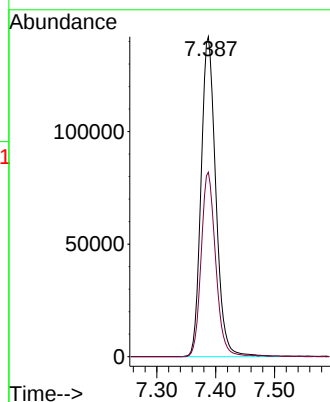
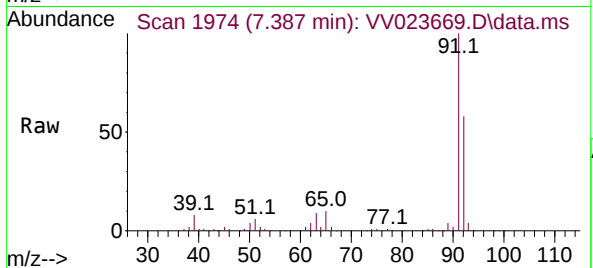
ClientSampleId :

Tgt Ion: 91 Resp: 247365

Ion Ratio Lower Upper

91 100

92 57.7 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 5.311 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.000 min

Lab File: VV023669.D

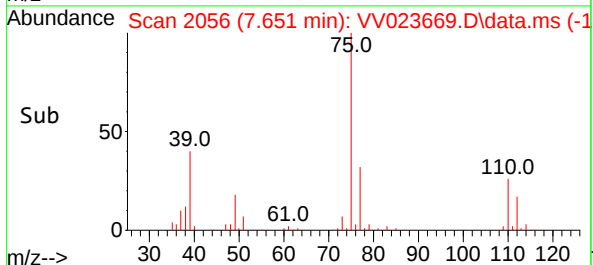
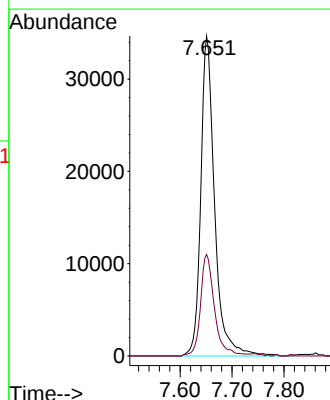
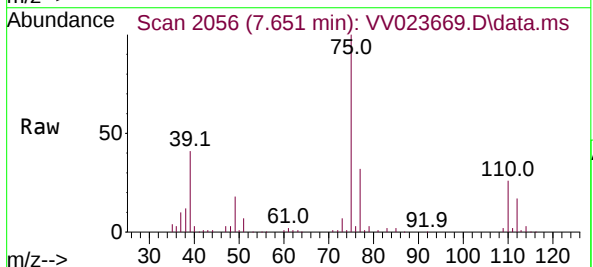
Acq: 23 Nov 2021 14:08

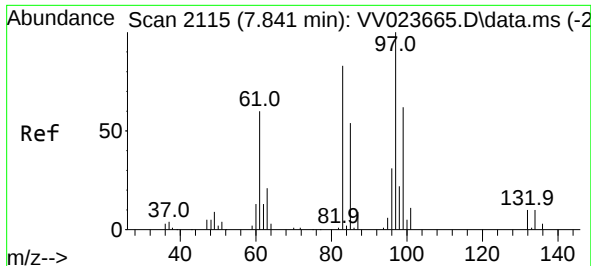
Tgt Ion: 75 Resp: 64022

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.4

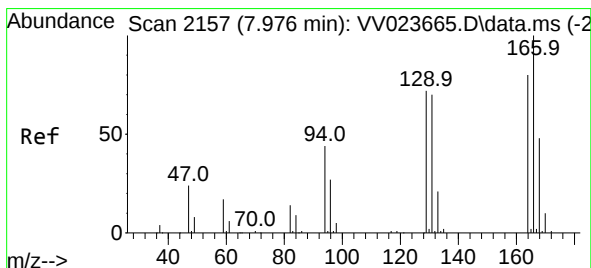
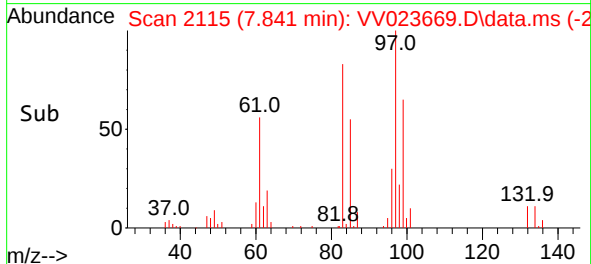
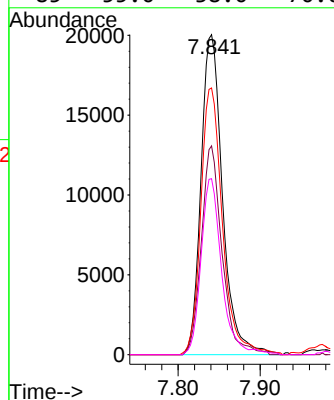
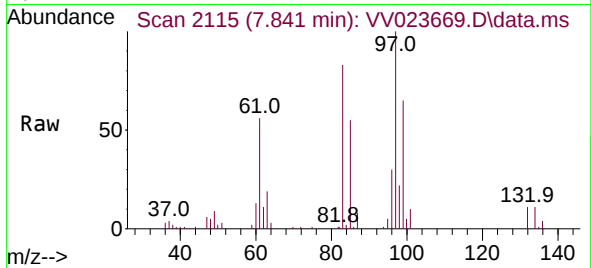




#45  
1,1,2-Trichloroethane  
Concen: 5.248 ug/L  
RT: 7.841 min Scan# 2115  
Delta R.T. 0.000 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

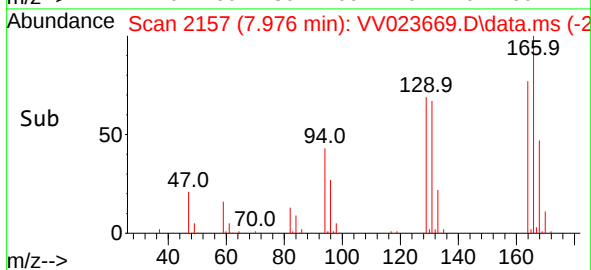
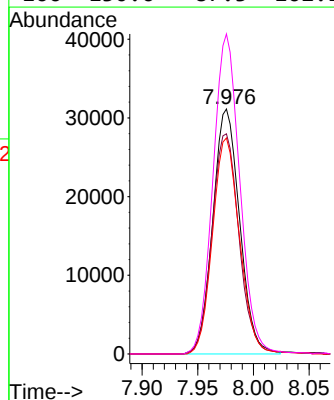
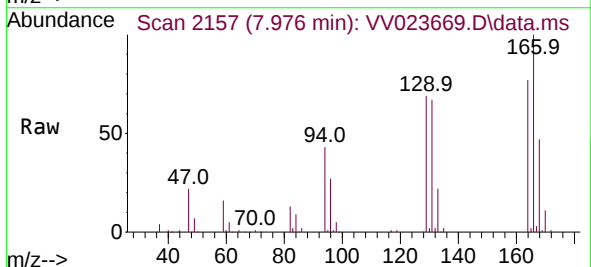
Instrument :  
MSVOA\_V  
ClientSampleId :

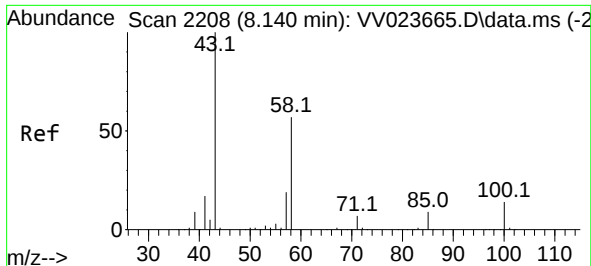
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 36622 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 65.2     | 43.1 80.1   |
| 83 83.4     | 57.9 107.5  |
| 85 55.0     | 38.0 70.6   |



#47  
Tetrachloroethene  
Concen: 5.051 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. 0.000 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 52214 |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 89.9    | 62.6  | 116.2 |
| 131 | 88.2    | 61.0  | 113.4 |
| 166 | 130.6   | 87.3  | 162.1 |

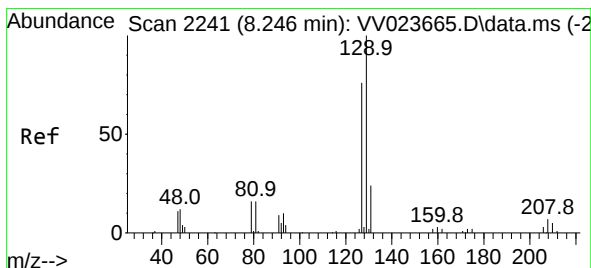
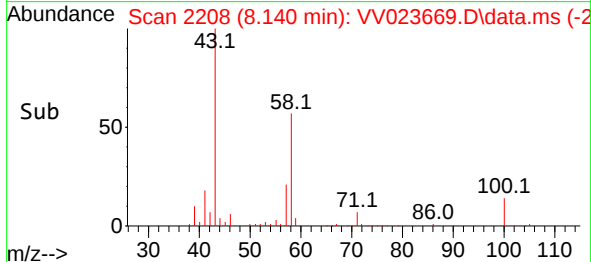
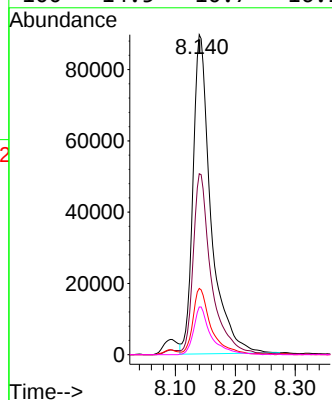
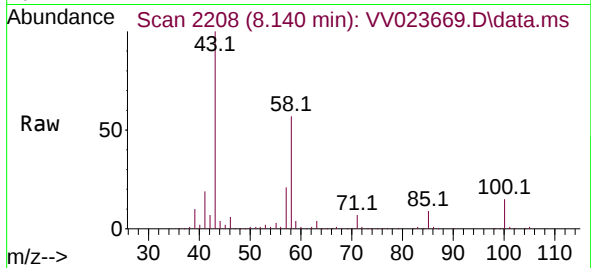




#48  
2-Hexanone  
Concen: 52.576 ug/L  
RT: 8.140 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

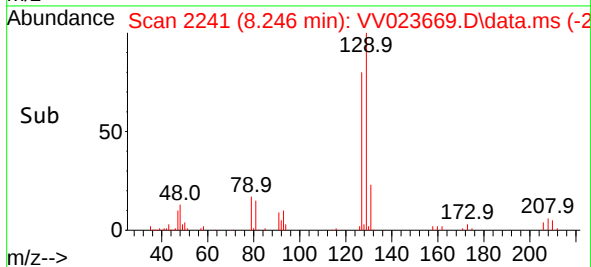
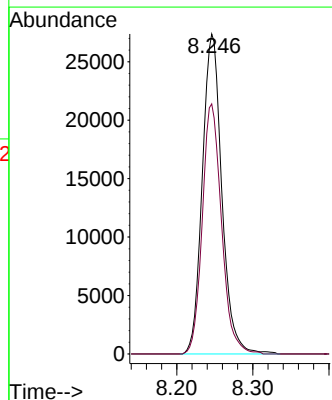
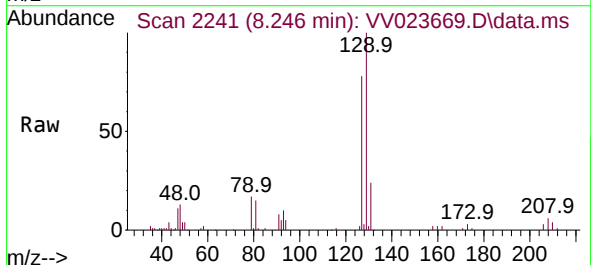
Instrument :  
MSVOA\_V  
ClientSampleId :

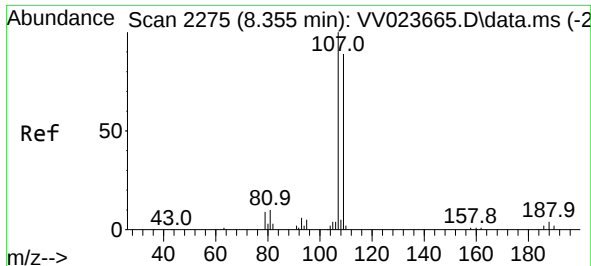
Tgt Ion: 43 Resp: 186948  
Ion Ratio Lower Upper  
43 100  
58 56.8 44.5 66.7  
57 20.2 15.1 22.7  
100 14.5 10.7 16.1



#49  
Dibromochloromethane  
Concen: 5.107 ug/L  
RT: 8.246 min Scan# 2241  
Delta R.T. 0.000 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

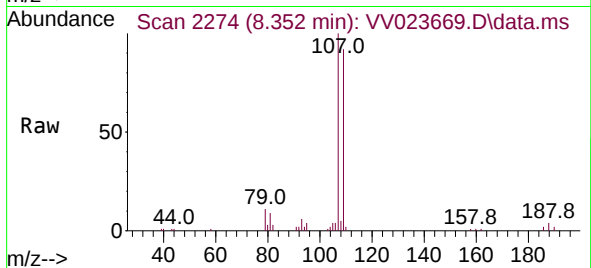
Tgt Ion:129 Resp: 48836  
Ion Ratio Lower Upper  
129 100  
127 78.1 53.5 99.3



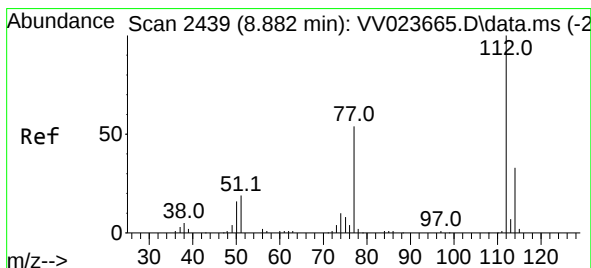
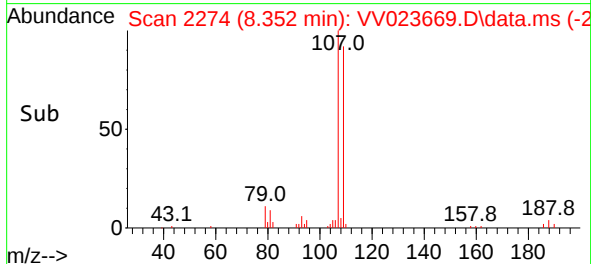
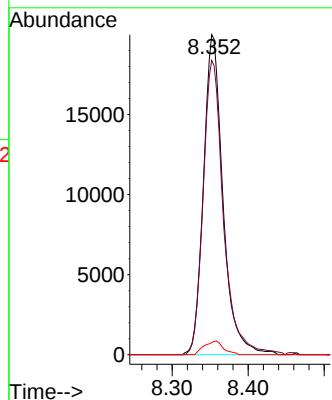


#50  
1,2-Dibromoethane  
Concen: 5.225 ug/L  
RT: 8.352 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

Instrument :  
MSVOA\_V  
ClientSampleId :

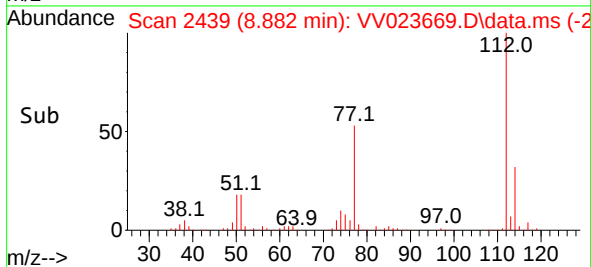
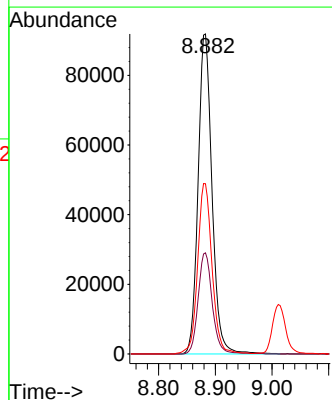
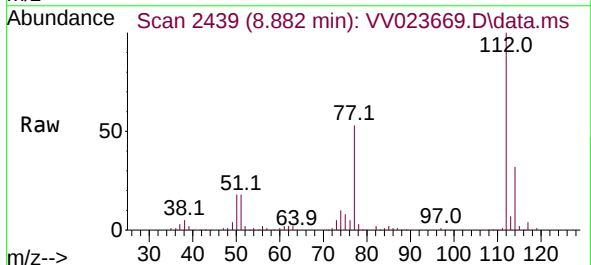


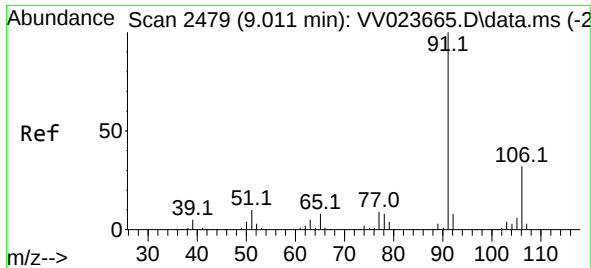
Tgt Ion:107 Resp: 35557  
Ion Ratio Lower Upper  
107 100  
109 92.0 62.5 116.1  
188 3.8 3.4 5.2



#51  
Chlorobenzene  
Concen: 5.131 ug/L  
RT: 8.882 min Scan# 2439  
Delta R.T. 0.000 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

Tgt Ion:112 Resp: 156409  
Ion Ratio Lower Upper  
112 100  
114 31.6 23.3 43.3  
77 53.2 43.3 64.9

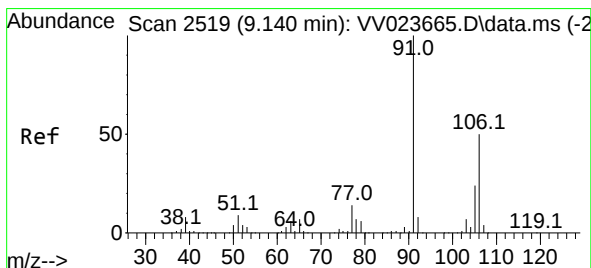
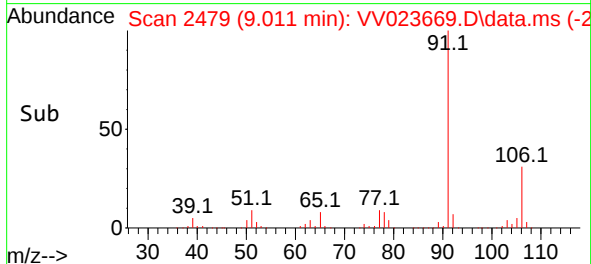
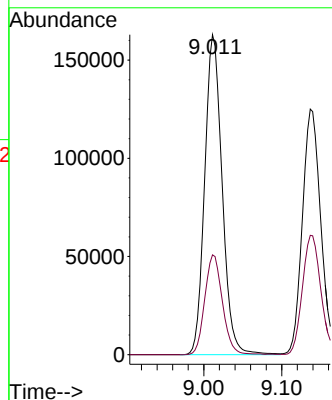
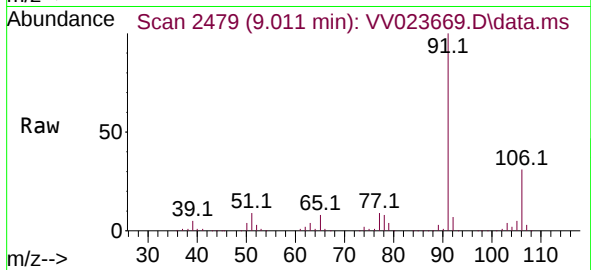




#52  
Ethylbenzene  
Concen: 5.280 ug/L  
RT: 9.011 min Scan# 2479  
Delta R.T. 0.000 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

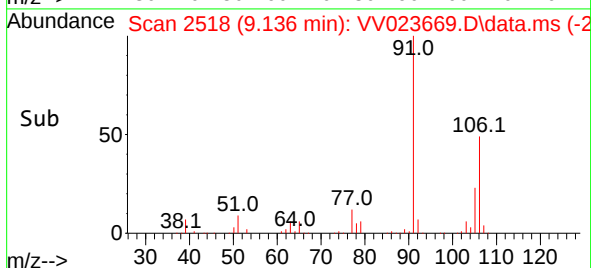
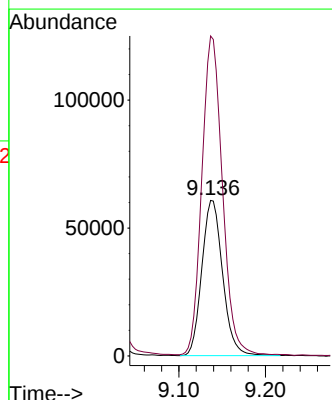
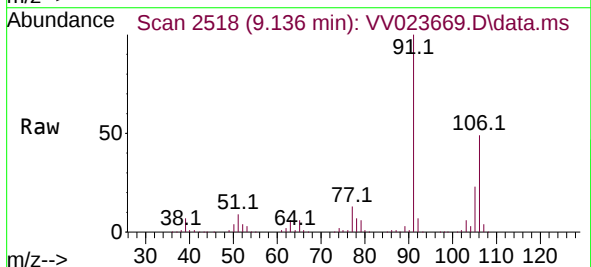
Instrument :  
MSVOA\_V  
ClientSampleId :

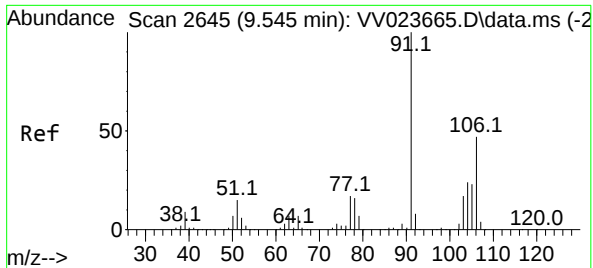
Tgt Ion: 91 Resp: 253767  
Ion Ratio Lower Upper  
91 100  
106 31.2 22.0 41.0



#53  
m,p-xylene  
Concen: 5.276 ug/L  
RT: 9.136 min Scan# 2518  
Delta R.T. -0.003 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

Tgt Ion:106 Resp: 100925  
Ion Ratio Lower Upper  
106 100  
91 205.7 139.5 259.1

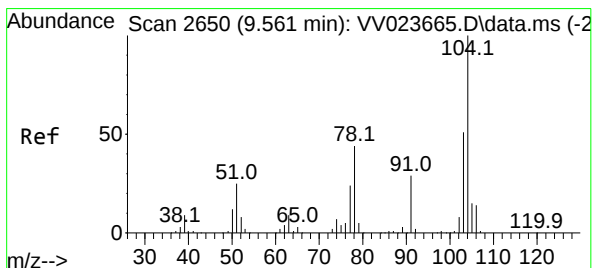
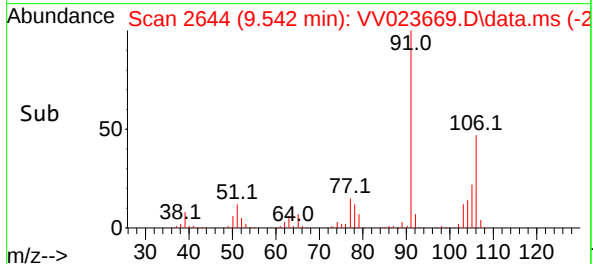
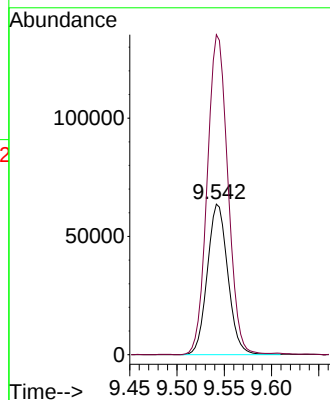
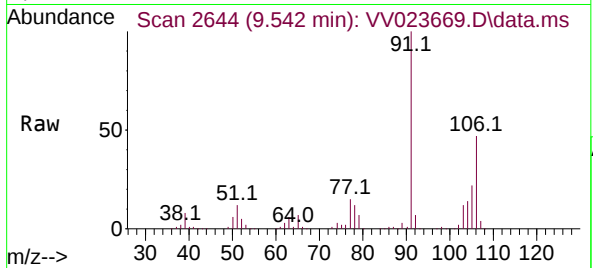




#54  
o-xylene  
Concen: 5.286 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. -0.003 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

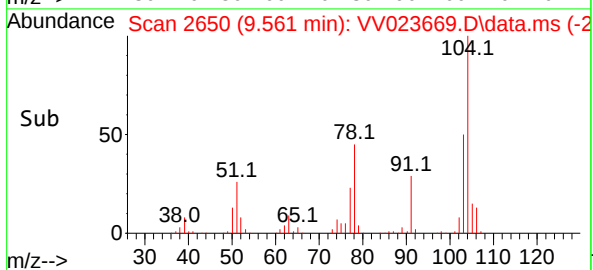
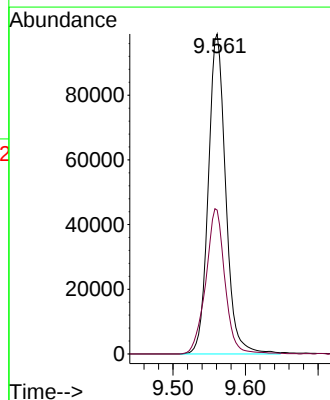
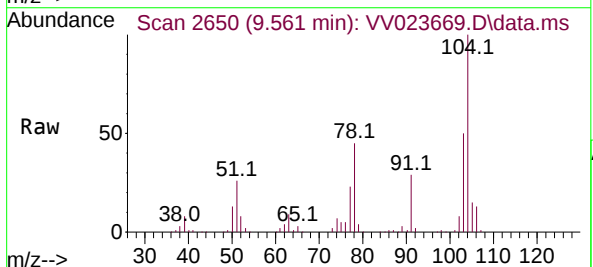
Instrument :  
MSVOA\_V  
ClientSampleId :

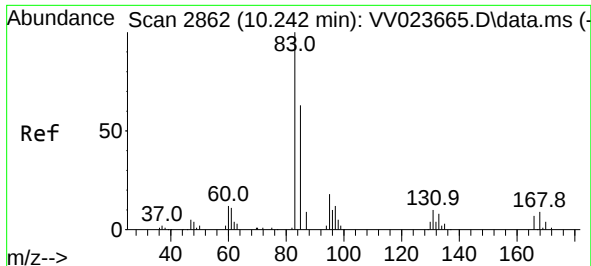
Tgt Ion:106 Resp: 96157  
Ion Ratio Lower Upper  
106 100  
91 212.6 147.9 274.7



#55  
Styrene  
Concen: 5.382 ug/L  
RT: 9.561 min Scan# 2650  
Delta R.T. 0.000 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

Tgt Ion:104 Resp: 164950  
Ion Ratio Lower Upper  
104 100  
78 44.9 31.0 57.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.255 ug/L

RT: 10.243 min Scan# 2862

Delta R.T. 0.000 min

Lab File: VV023669.D

Acq: 23 Nov 2021 14:08

Instrument :

MSVOA\_V

ClientSampleId :

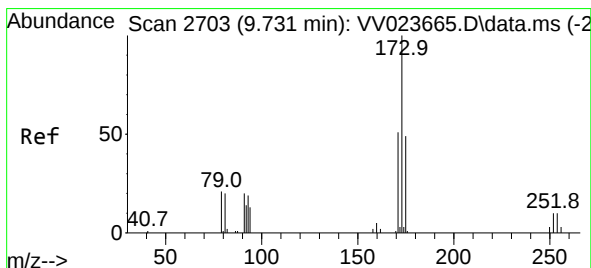
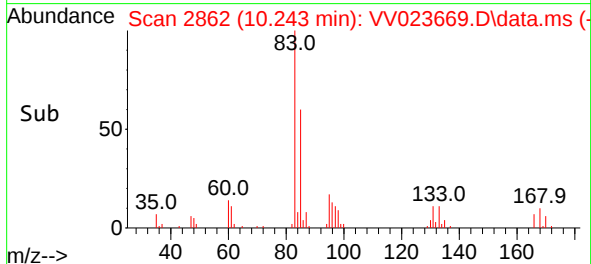
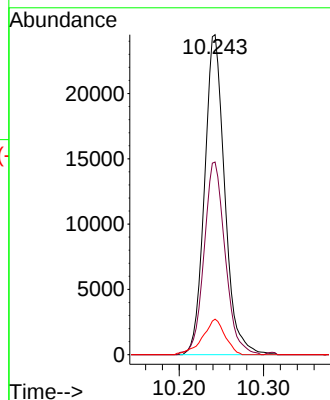
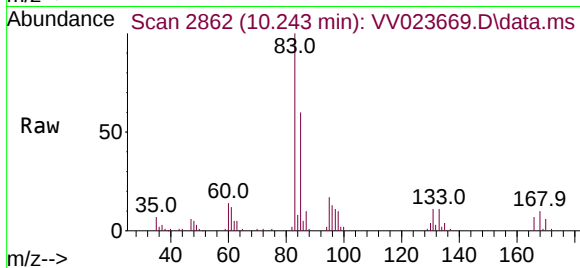
Tgt Ion: 83 Resp: 40803

Ion Ratio Lower Upper

83 100

85 60.2 44.6 82.8

131 11.1 8.3 12.5



#59

Bromoform

Concen: 4.930 ug/L

RT: 9.731 min Scan# 2703

Delta R.T. 0.000 min

Lab File: VV023669.D

Acq: 23 Nov 2021 14:08

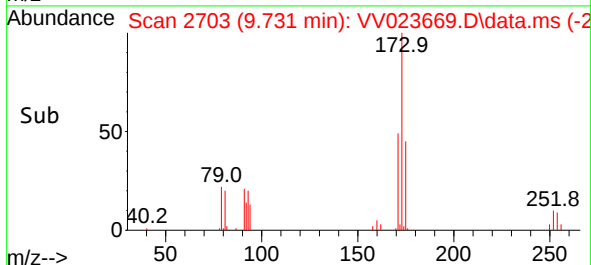
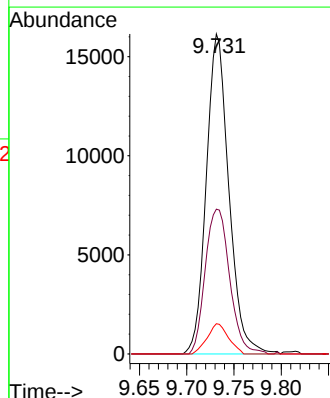
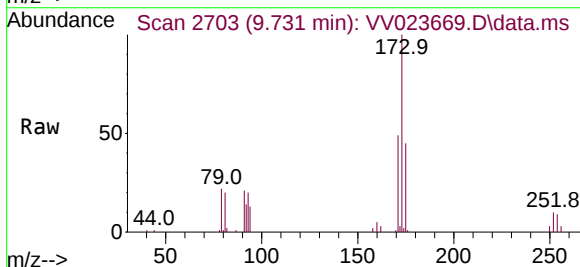
Tgt Ion: 173 Resp: 26802

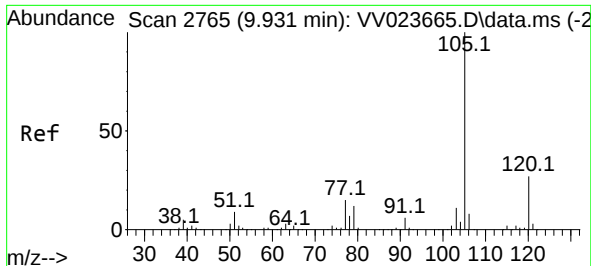
Ion Ratio Lower Upper

173 100

175 49.0 39.4 59.2

254 8.9 7.4 11.0

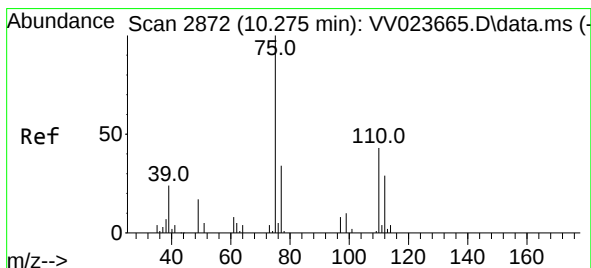
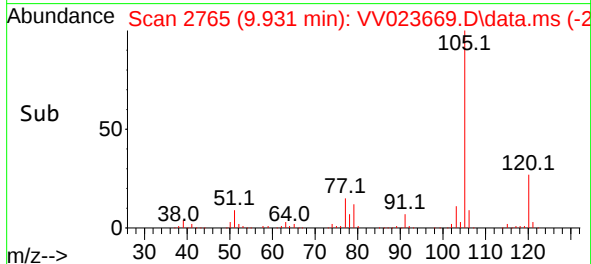
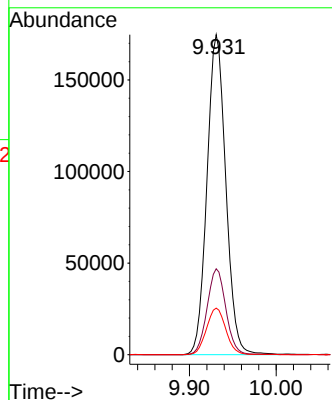
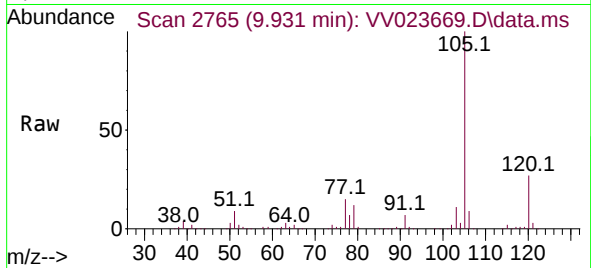




#60  
Isopropylbenzene  
Concen: 5.367 ug/L  
RT: 9.931 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

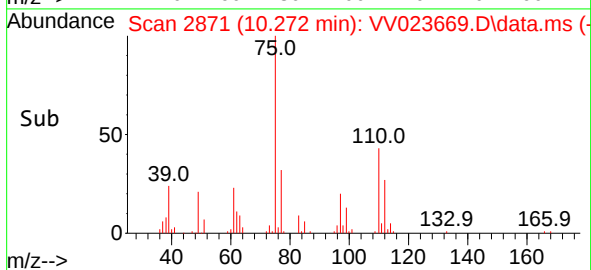
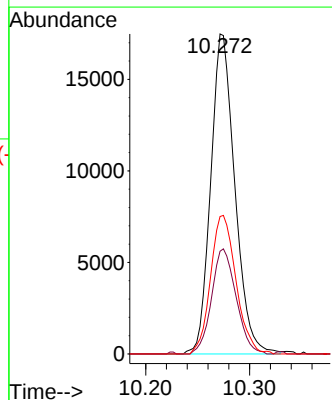
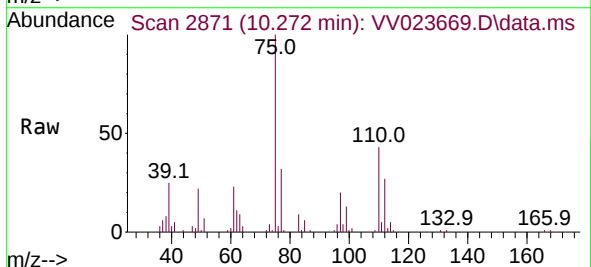
Instrument :  
MSVOA\_V  
ClientSampleId :

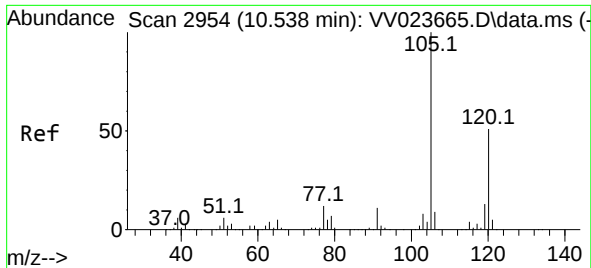
Tgt Ion:105 Resp: 263795  
Ion Ratio Lower Upper  
105 100  
120 26.8 21.4 32.0  
77 14.9 12.2 18.4



#61  
1,2,3-Trichloropropane  
Concen: 4.834 ug/L  
RT: 10.272 min Scan# 2871  
Delta R.T. -0.003 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

Tgt Ion: 75 Resp: 28217  
Ion Ratio Lower Upper  
75 100  
77 33.3 26.4 39.6  
110 45.6 34.2 51.2

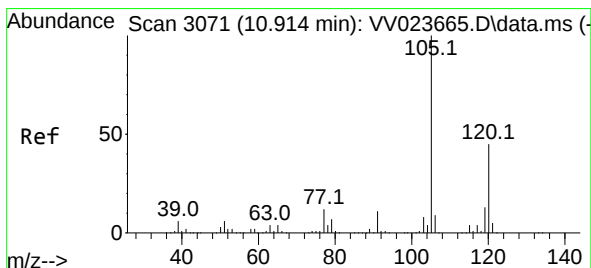
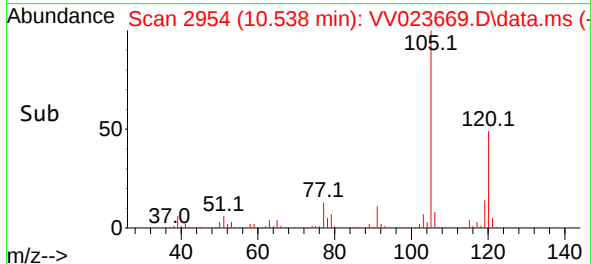
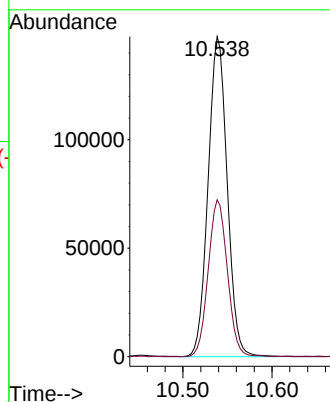
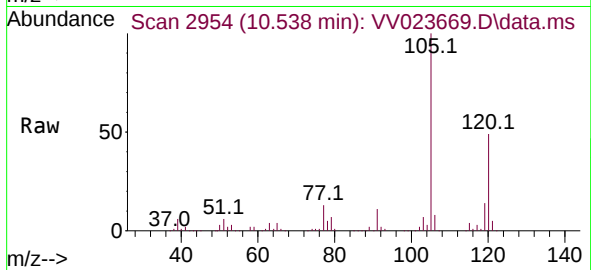




#62  
1,3,5-Trimethylbenzene  
Concen: 5.363 ug/L  
RT: 10.538 min Scan# 2954  
Delta R.T. 0.000 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

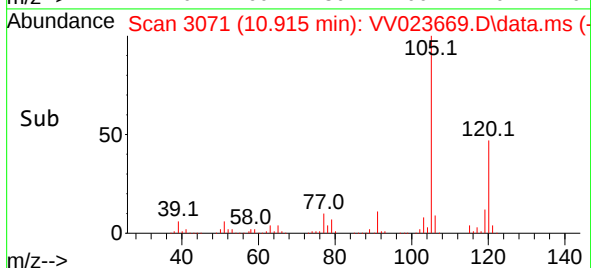
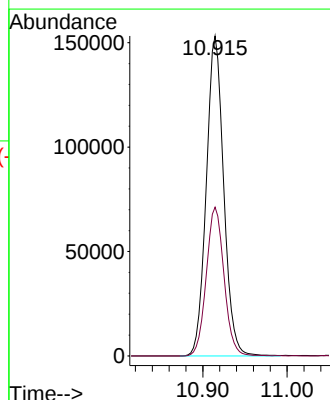
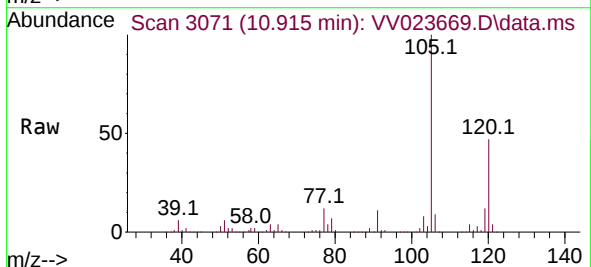
Instrument :  
MSVOA\_V  
ClientSampleId :

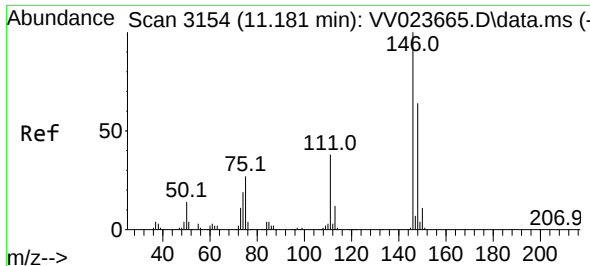
Tgt Ion:105 Resp: 219346  
Ion Ratio Lower Upper  
105 100  
120 49.2 40.1 60.1



#63  
1,2,4-Trimethylbenzene  
Concen: 5.456 ug/L  
RT: 10.915 min Scan# 3071  
Delta R.T. 0.000 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

Tgt Ion:105 Resp: 220660  
Ion Ratio Lower Upper  
105 100  
120 47.3 36.7 55.1

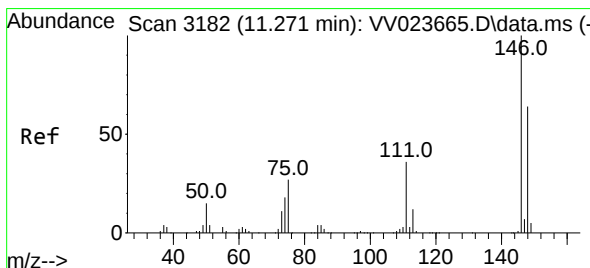
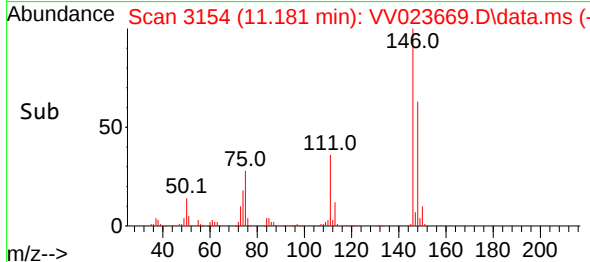
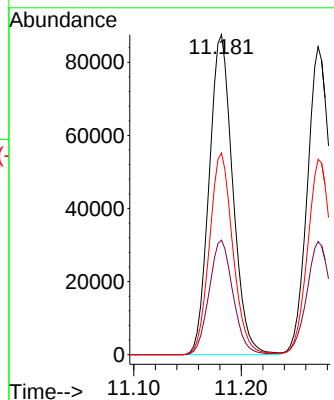
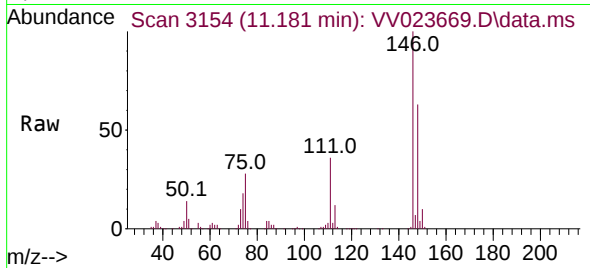




#64  
1,3-Dichlorobenzene  
Concen: 5.311 ug/L  
RT: 11.181 min Scan# 3154  
Delta R.T. 0.000 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

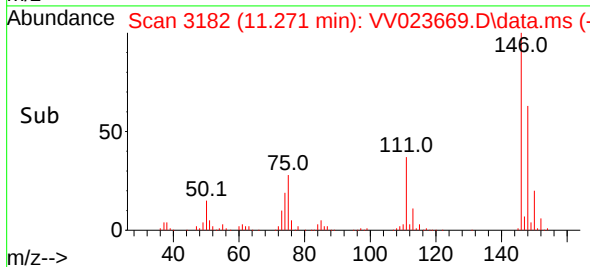
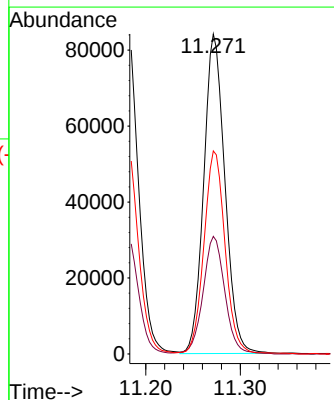
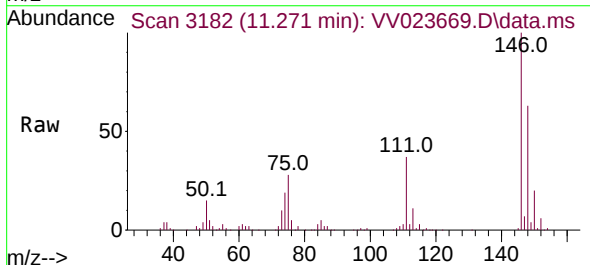
Instrument :  
MSVOA\_V  
ClientSampleId :

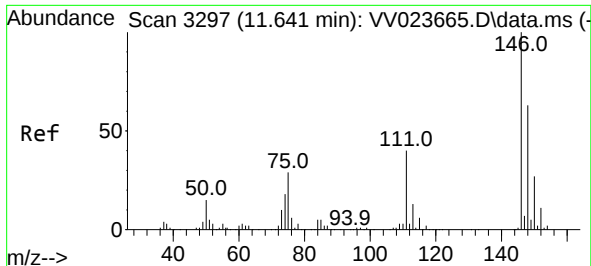
Tgt Ion:146 Resp: 133450  
Ion Ratio Lower Upper  
146 100  
111 35.8 26.3 48.9  
148 63.0 44.4 82.5



#65  
1,4-Dichlorobenzene  
Concen: 5.181 ug/L  
RT: 11.271 min Scan# 3182  
Delta R.T. 0.000 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

Tgt Ion:146 Resp: 130853  
Ion Ratio Lower Upper  
146 100  
111 36.7 25.6 47.6  
148 63.4 44.8 83.2

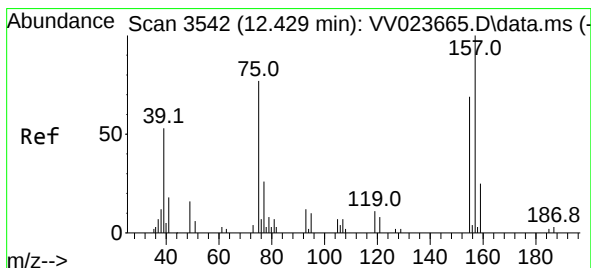
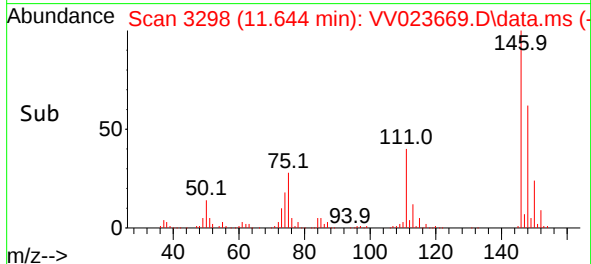
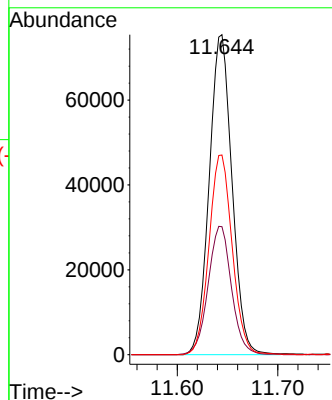
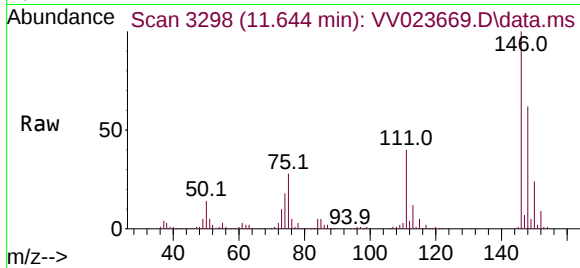




#67  
1,2-Dichlorobenzene  
Concen: 5.168 ug/L  
RT: 11.644 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

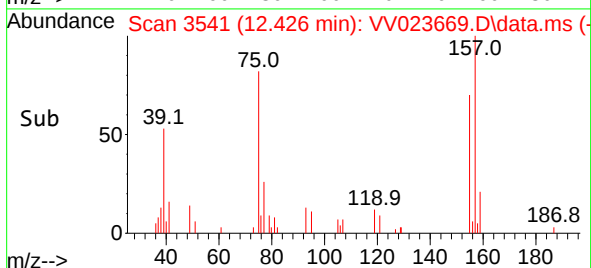
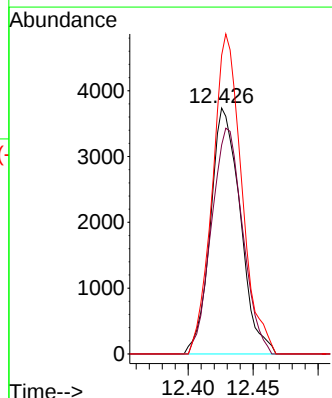
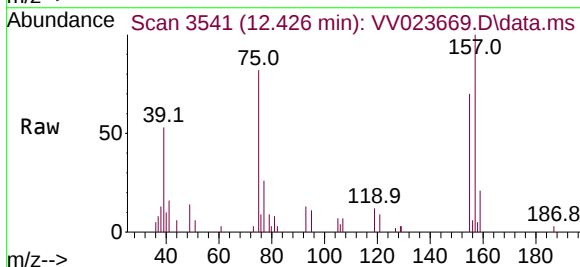
Instrument :  
MSVOA\_V  
ClientSampleId :

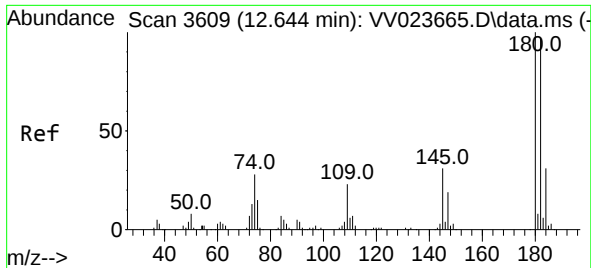
Tgt Ion:146 Resp: 118842  
Ion Ratio Lower Upper  
146 100  
111 40.0 31.9 47.9  
148 62.4 50.5 75.7



#68  
1,2-Dibromo-3-chloropropane  
Concen: 5.140 ug/L  
RT: 12.426 min Scan# 3541  
Delta R.T. -0.003 min  
Lab File: VV023669.D  
Acq: 23 Nov 2021 14:08

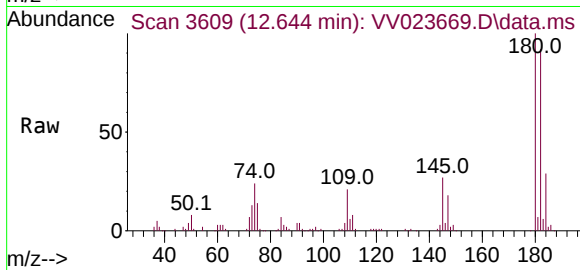
Tgt Ion: 75 Resp: 5958  
Ion Ratio Lower Upper  
75 100  
155 85.0 71.7 107.5  
157 121.5 103.3 154.9



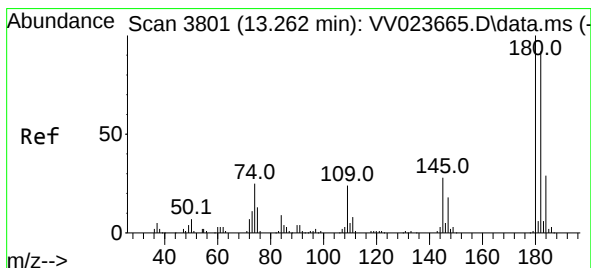
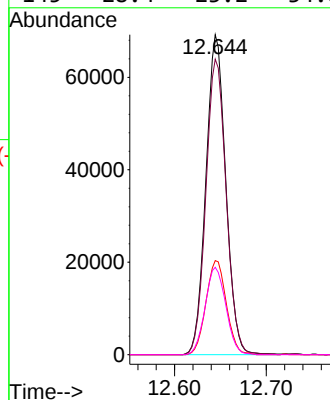
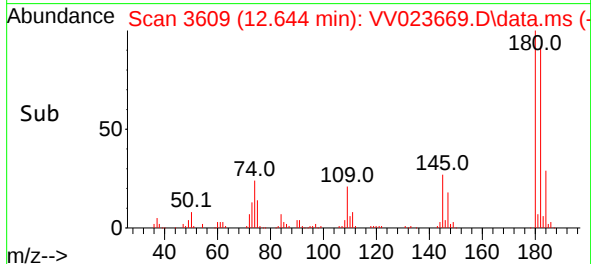


#69  
 1,3,5-Trichlorobenzene  
 Concen: 5.312 ug/L  
 RT: 12.644 min Scan# 3609  
 Delta R.T. 0.000 min  
 Lab File: VV023669.D  
 Acq: 23 Nov 2021 14:08

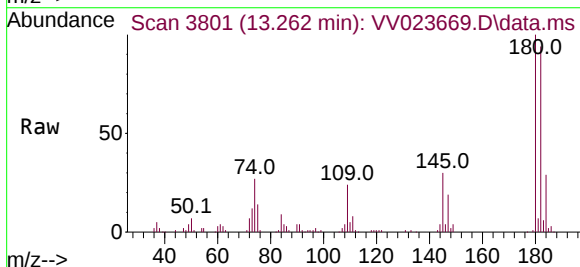
Instrument :  
 MSVOA\_V  
 ClientSampleId :



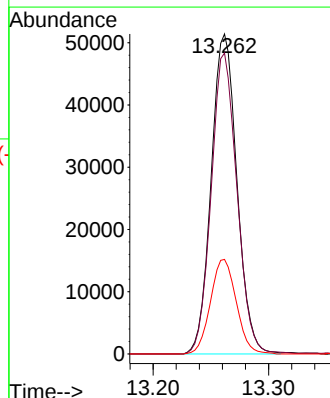
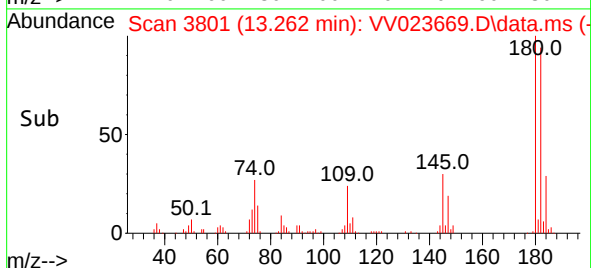
Tgt Ion:180 Resp: 104222  
 Ion Ratio Lower Upper  
 180 100  
 182 94.2 76.4 114.6  
 184 30.1 24.2 36.4  
 145 28.4 23.2 34.8

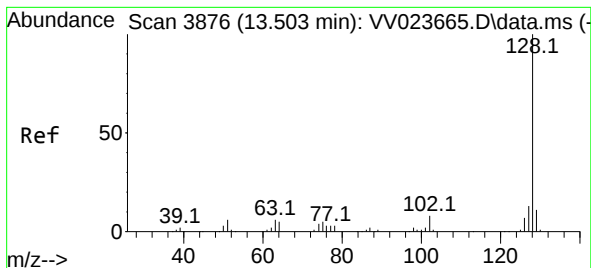


#70  
 1,2,4-trichlorobenzene  
 Concen: 5.225 ug/L  
 RT: 13.262 min Scan# 3801  
 Delta R.T. 0.000 min  
 Lab File: VV023669.D  
 Acq: 23 Nov 2021 14:08



Tgt Ion:180 Resp: 79546  
 Ion Ratio Lower Upper  
 180 100  
 182 94.1 74.4 111.6  
 145 29.6 23.3 34.9





#71

Naphthalene

Concen: 5.365 ug/L

RT: 13.503 min Scan# 3876

Delta R.T. 0.000 min

Lab File: VV023669.D

Acq: 23 Nov 2021 14:08

Instrument :

MSVOA\_V

ClientSampleId :

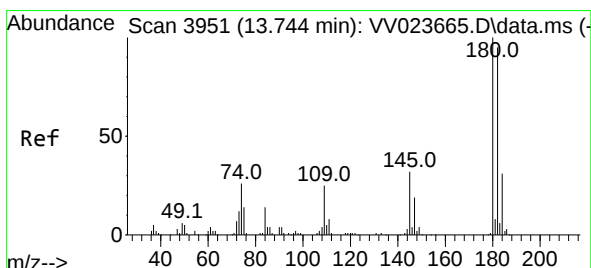
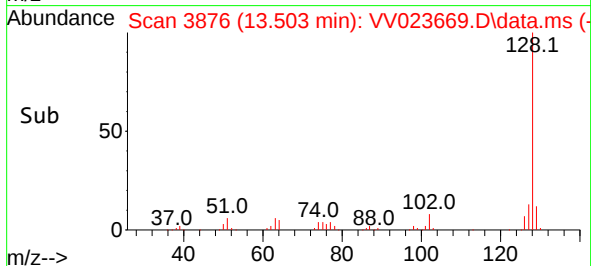
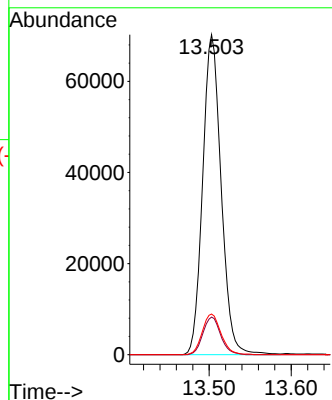
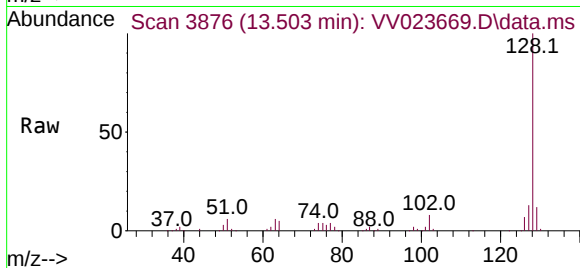
Tgt Ion:128 Resp: 109908

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.4

127 12.9 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 5.376 ug/L

RT: 13.744 min Scan# 3951

Delta R.T. 0.000 min

Lab File: VV023669.D

Acq: 23 Nov 2021 14:08

Tgt Ion:180 Resp: 70917

Ion Ratio Lower Upper

180 100

182 94.7 76.8 115.2

145 31.7 25.8 38.6

