

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW062322\  
 Data File : VW026554.D  
 Acq On : 24 Jun 2022 14:39  
 Operator : SY/MD  
 Sample : N3401-14DL 10X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AF2DL

Quant Time: Jun 25 02:35:08 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR062322WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Jun 25 02:21:54 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 5.625  | 114            | 260463   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117            | 226517   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152            | 110989   | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.320  | 65             | 75269    | 3.593  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 71.800%  |          |
| 7) Chloroethane-d5            | 1.581  | 69             | 64938    | 3.859  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 77.200%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.121  | 63             | 104591   | 2.810  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 56.200%# |          |
| 20) 2-Butanone-d5             | 3.905  | 46             | 113680   | 54.587 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 109.180% |          |
| 24) Chloroform-d              | 4.362  | 84             | 137052   | 4.002  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 80.000%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.043  | 65             | 56614    | 4.293  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 85.800%  |          |
| 32) Benzene-d6                | 5.059  | 84             | 290471   | 4.464  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 89.200%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.076  | 67             | 82716    | 4.623  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 92.400%  |          |
| 41) Toluene-d8                | 7.320  | 98             | 248097   | 4.240  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 84.800%  |          |
| 43) trans-1,3-Dichloroprop... | 7.629  | 79             | 23493    | 5.080  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 101.600% |          |
| 46) 2-Hexanone-d5             | 8.092  | 63             | 88770    | 50.394 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 100.780% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84             | 52749    | 4.507  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 90.200%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152            | 88619    | 4.825  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 96.400%  |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          | Qvalue   |
| 3) Chloromethane              | 1.256  | 50             | 1032     | 0.048  | ug/L     | 84       |
| 8) Chloroethane               | 1.600  | 64             | 9866     | 0.628  | ug/L #   | 68       |
| 16) Methylene chloride        | 2.523  | 84             | 4197     | 0.225  | ug/L     | 96       |
| 30) Cyclohexane               | 4.690  | 56             | 110604   | 5.012  | ug/L     | 99       |
| 33) Benzene                   | 5.117  | 78             | 8096     | 0.122  | ug/L     | 100      |
| 35) Methylcyclohexane         | 6.137  | 83             | 166307   | 6.465  | ug/L     | 95       |
| 37) 1,2-Dichloropropane       | 6.133  | 63             | 1839     | 0.115  | ug/L     | 98       |
| 39) cis-1,3-Dichloropropene   | 6.989  | 75             | 1889     | 0.118  | ug/L #   | 50       |
| 44) trans-1,3-Dichloropropene | 7.625  | 75             | 918      | 0.077  | ug/L #   | 72       |
| 45) 1,1,2-Trichloroethane     | 7.789  | 97             | 8465     | 0.842  | ug/L #   | 21       |
| 52) Ethylbenzene              | 9.014  | 91             | 102619   | 1.453  | ug/L     | 99       |
| 53) m,p-Xylene                | 9.146  | 106            | 15541    | 0.564  | ug/L     | 96       |
| 60) Isopropylbenzene          | 9.931  | 105            | 1080407  | 15.784 | ug/L     | 100      |
| 61) 1,2,3-Trichloropropane    | 10.352 | 75             | 13049    | 1.816  | ug/L #   | 1        |
| 62) 1,3,5-Trimethylbenzene    | 10.915 | 105            | 164261   | 3.036  | ug/L     | 95       |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105            | 164261   | 3.079  | ug/L     | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.413 | 75             | 4062     | 3.151  | ug/L #   | 1        |
| 71) Naphthalene               | 13.500 | 128            | 756587   | 34.306 | ug/L     | 100      |
| -----                         |        |                |          |        |          |          |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV062322\  
Data File : VV026554.D  
Acq On : 24 Jun 2022 14:39  
Operator : SY/MD  
Sample : N3401-14DL 10X  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AF2DL

Quant Time: Jun 25 02:35:08 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR062322WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Jun 25 02:21:54 2022  
Response via : Initial Calibration

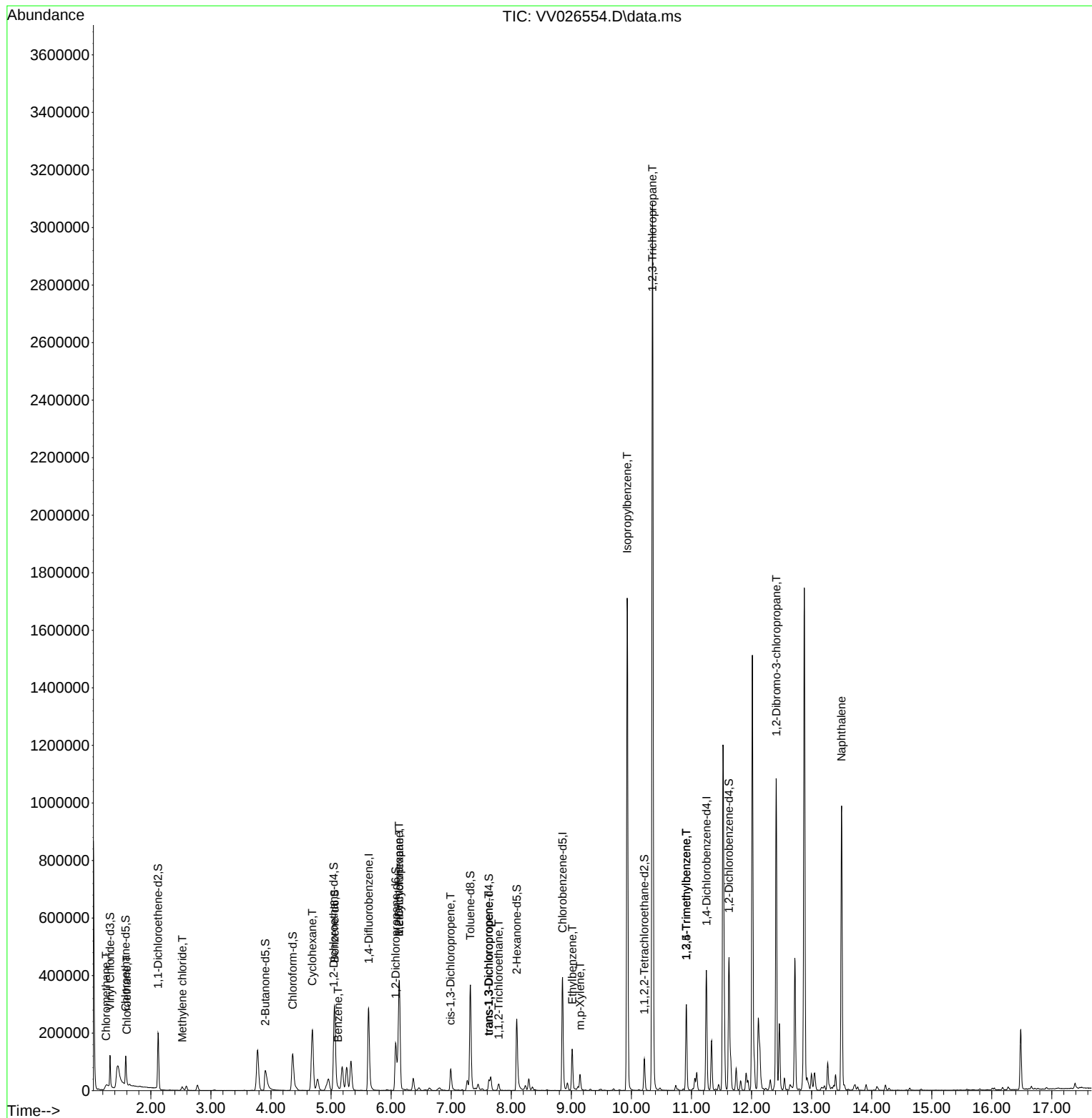
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

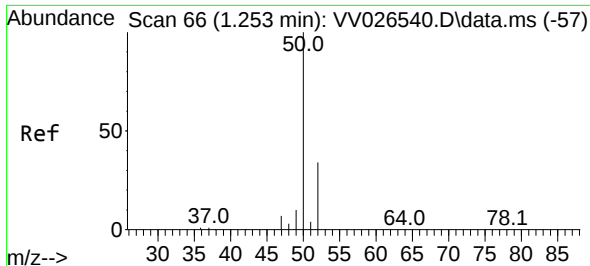
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV062322\  
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Quant Time: Jun 25 02:35:08 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR062322WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Jun 25 02:21:54 2022  
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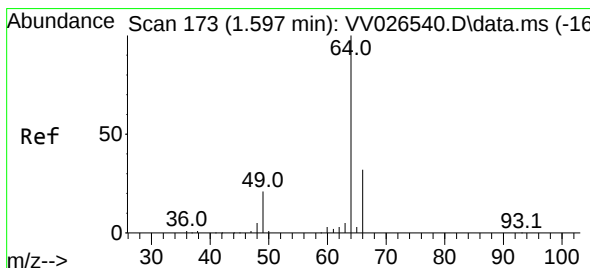
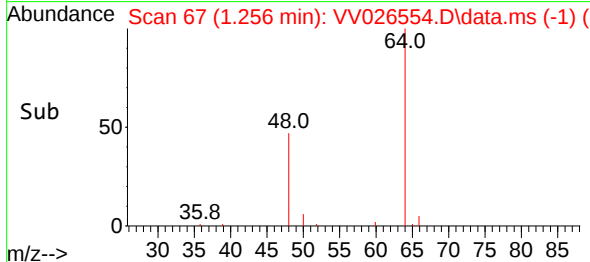
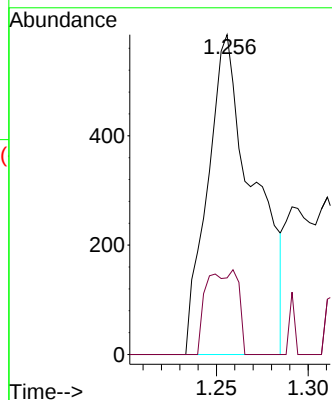
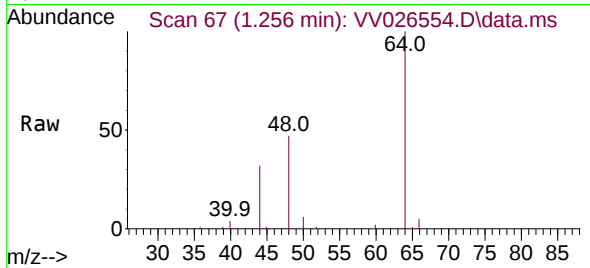




#3  
Chloromethane  
Concen: 0.048 ug/L  
RT: 1.256 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: VV026554.D  
Acq: 24 Jun 2022 14:39

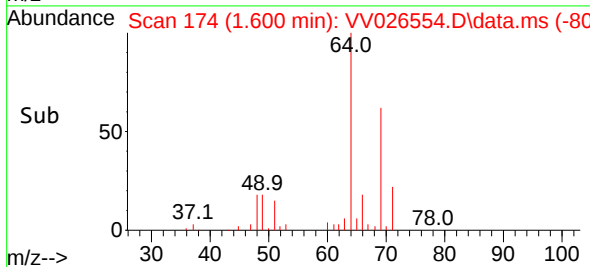
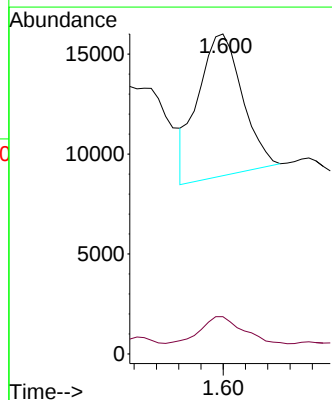
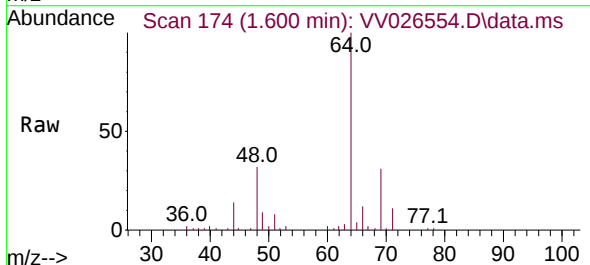
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AF2DL

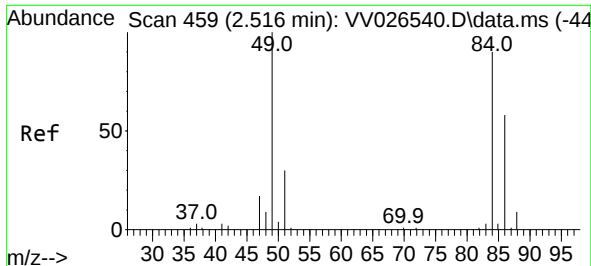
Tgt Ion: 50 Resp: 1032  
Ion Ratio Lower Upper  
50 100  
52 23.9 23.0 42.6



#8  
Chloroethane  
Concen: 0.628 ug/L  
RT: 1.600 min Scan# 174  
Delta R.T. 0.003 min  
Lab File: VV026554.D  
Acq: 24 Jun 2022 14:39

Tgt Ion: 64 Resp: 9866  
Ion Ratio Lower Upper  
64 100  
66 11.7 20.0 37.2#

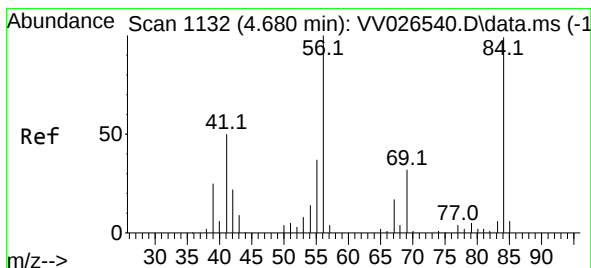
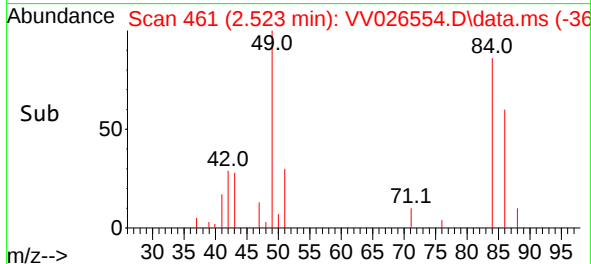
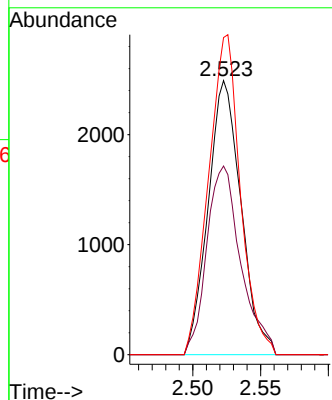
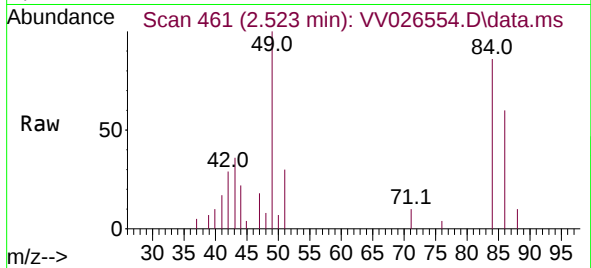




#16  
Methylene chloride  
Concen: 0.225 ug/L  
RT: 2.523 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VV026554.D  
Acq: 24 Jun 2022 14:39

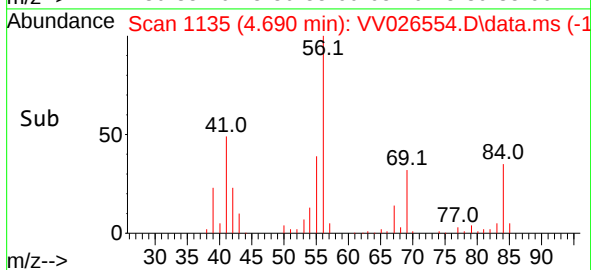
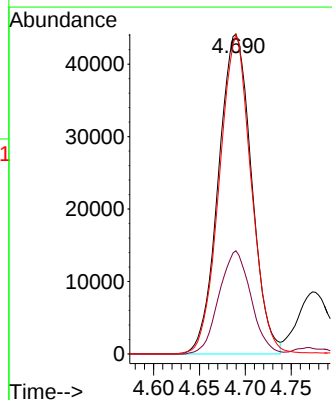
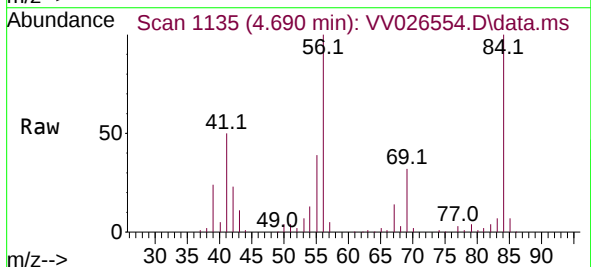
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AF2DL

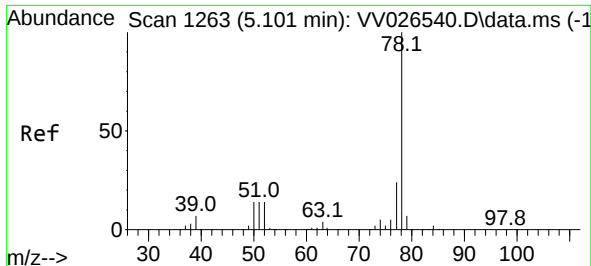
Tgt Ion: 84 Resp: 4197  
Ion Ratio Lower Upper  
84 100  
86 68.8 46.0 85.4  
49 115.7 77.7 144.3



#30  
Cyclohexane  
Concen: 5.012 ug/L  
RT: 4.690 min Scan# 1135  
Delta R.T. 0.010 min  
Lab File: VV026554.D  
Acq: 24 Jun 2022 14:39

Tgt Ion: 56 Resp: 110604  
Ion Ratio Lower Upper  
56 100  
69 31.1 25.4 38.2  
84 96.2 77.8 116.6

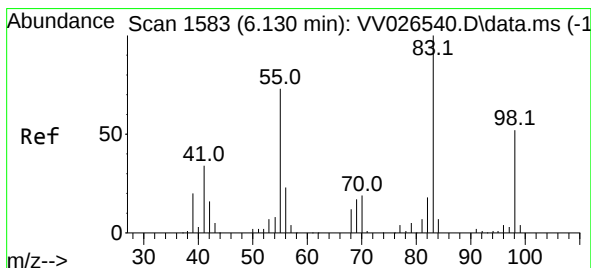
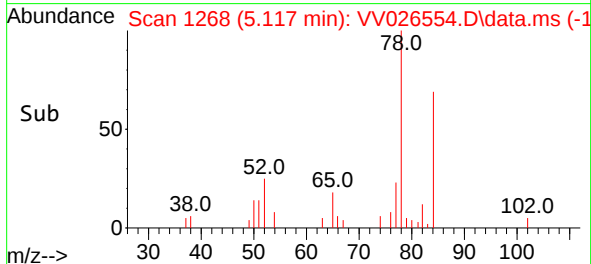
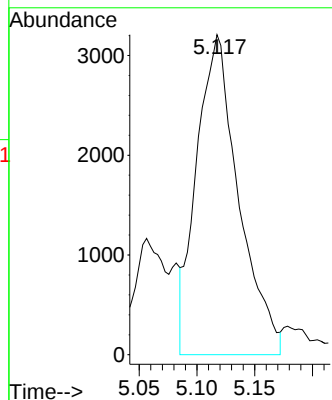
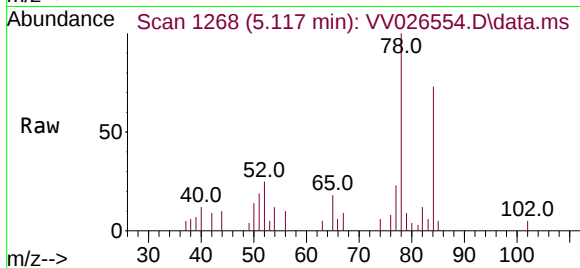




#33  
Benzene  
Concen: 0.122 ug/L  
RT: 5.117 min Scan# 11  
Delta R.T. 0.016 min  
Lab File: VV026554.D  
Acq: 24 Jun 2022 14:39

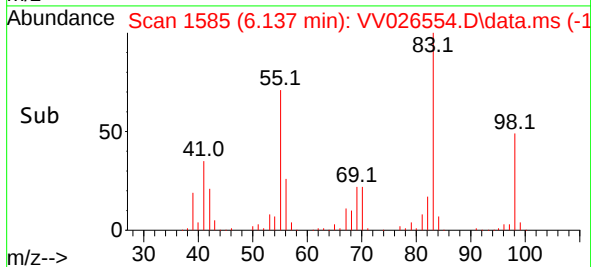
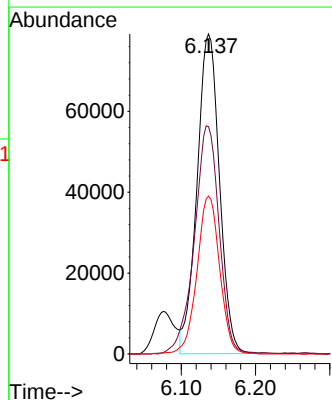
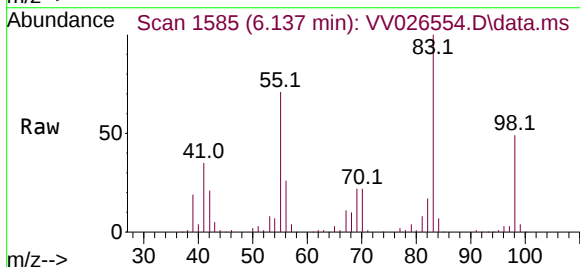
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AF2DL

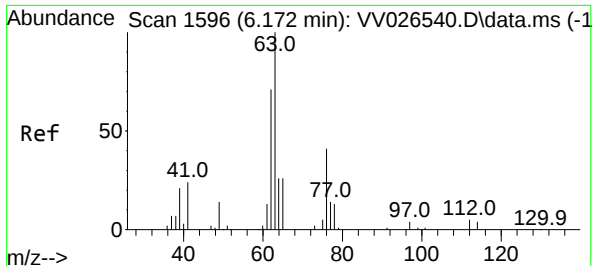
Tgt Ion: 78 Resp: 8096



#35  
Methylcyclohexane  
Concen: 6.465 ug/L  
RT: 6.137 min Scan# 1585  
Delta R.T. 0.006 min  
Lab File: VV026554.D  
Acq: 24 Jun 2022 14:39

Tgt Ion: 83 Resp: 166307  
Ion Ratio Lower Upper  
83 100  
55 78.7 57.0 85.4  
98 50.0 39.8 59.8





#37

1,2-Dichloropropane

Concen: 0.115 ug/L

RT: 6.133 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV026554.D

Acq: 24 Jun 2022 14:39

Instrument :

MSVOA\_V

ClientSampleId :

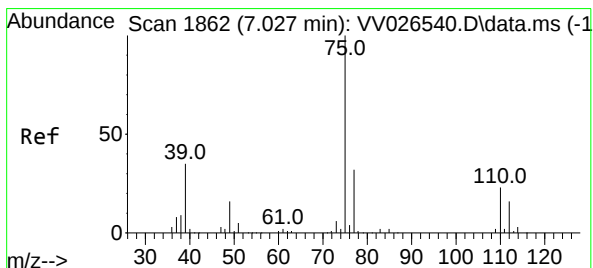
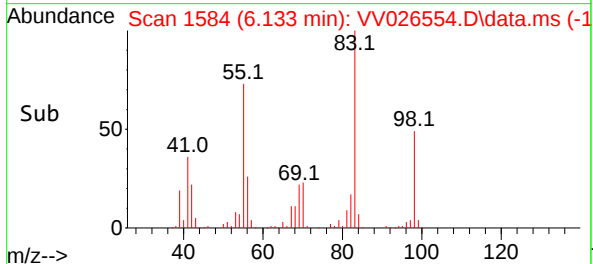
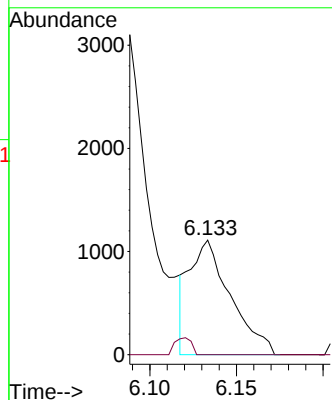
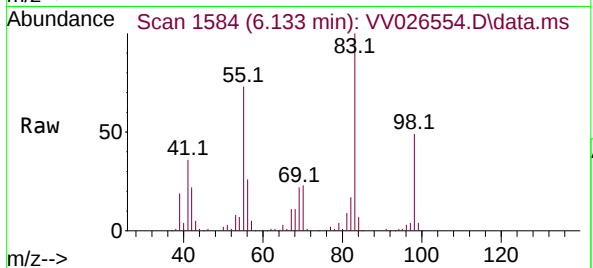
C0AF2DL

Tgt Ion: 63 Resp: 1839

Ion Ratio Lower Upper

63 100

112 6.0 4.2 6.4



#39

cis-1,3-Dichloropropene

Concen: 0.118 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.039 min

Lab File: VV026554.D

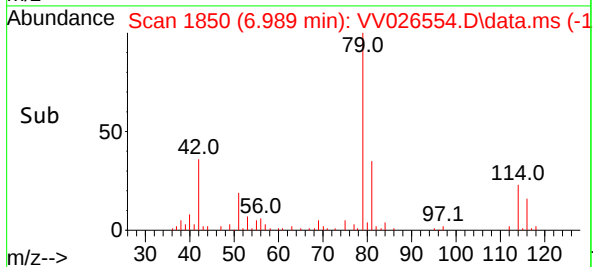
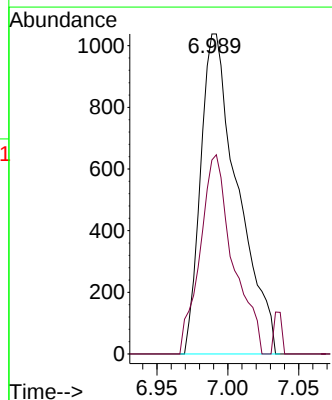
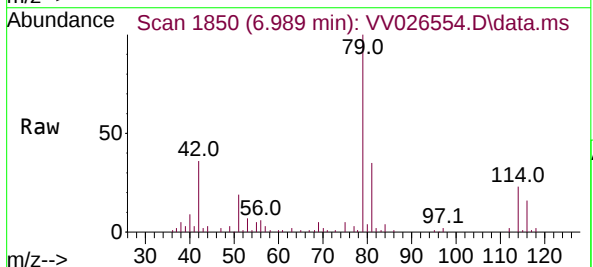
Acq: 24 Jun 2022 14:39

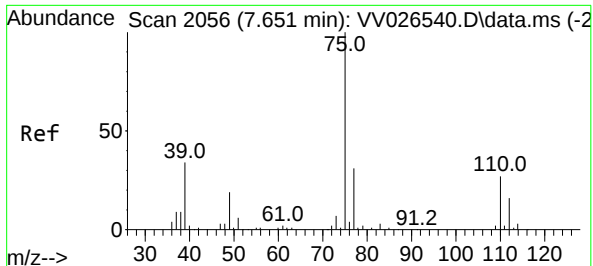
Tgt Ion: 75 Resp: 1889

Ion Ratio Lower Upper

75 100

77 60.6 22.8 42.4#

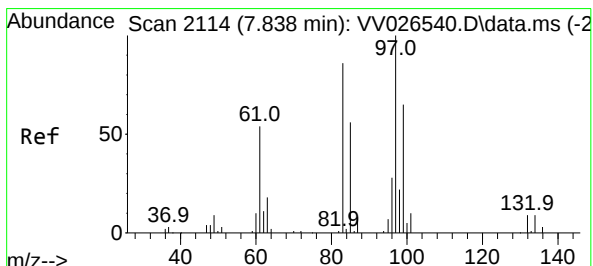
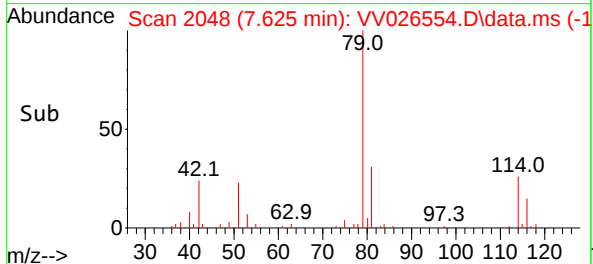
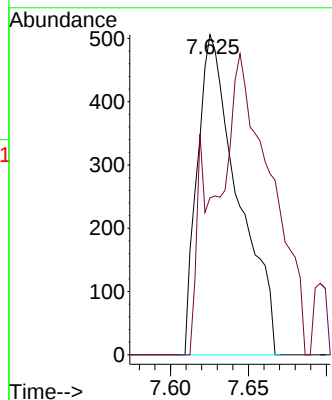
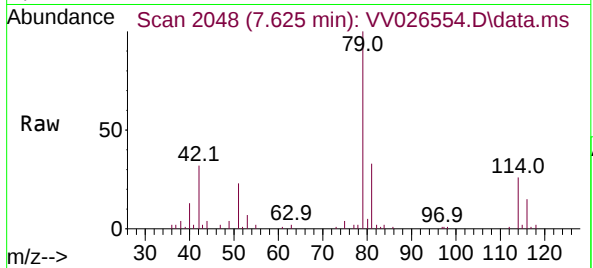




#44  
trans-1,3-Dichloropropene  
Concen: 0.077 ug/L  
RT: 7.625 min Scan# 2098  
Delta R.T. -0.026 min  
Lab File: VV026554.D  
Acq: 24 Jun 2022 14:39

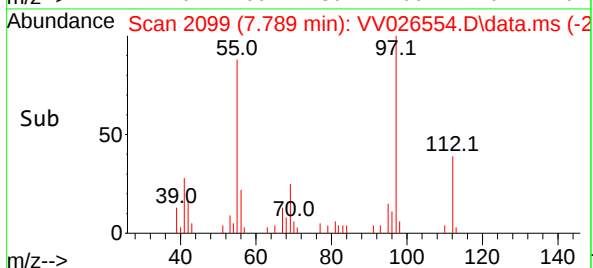
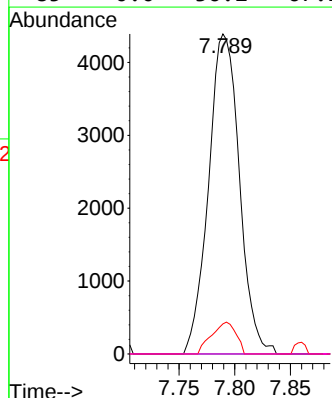
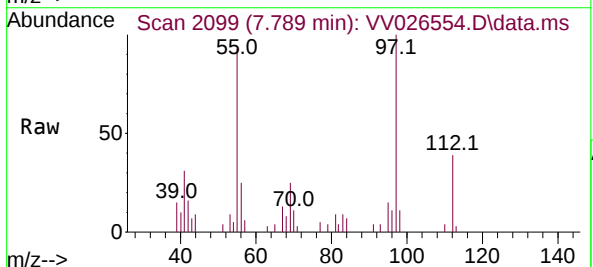
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AF2DL

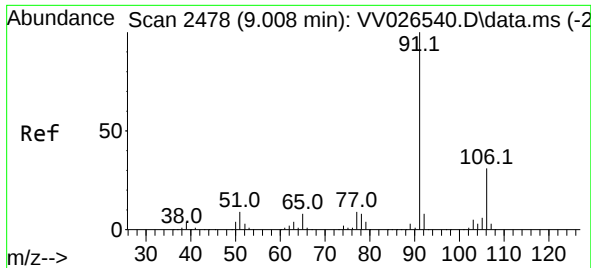
Tgt Ion: 75 Resp: 918  
Ion Ratio Lower Upper  
75 100  
77 49.0 23.1 42.9#



#45  
1,1,2-Trichloroethane  
Concen: 0.842 ug/L  
RT: 7.789 min Scan# 2099  
Delta R.T. -0.048 min  
Lab File: VV026554.D  
Acq: 24 Jun 2022 14:39

Tgt Ion: 97 Resp: 8465  
Ion Ratio Lower Upper  
97 100  
99 0.0 43.4 80.6#  
83 9.4 58.0 107.8#  
85 0.0 36.2 67.2#

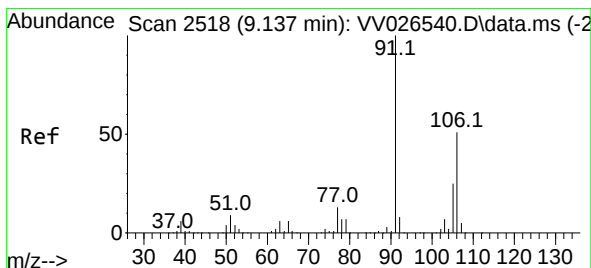
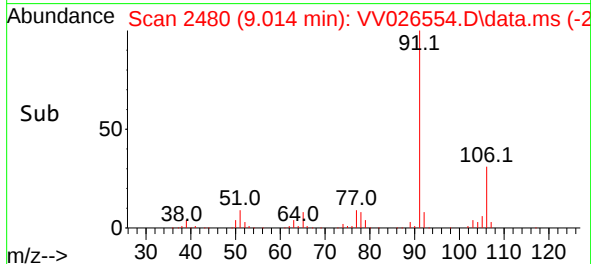
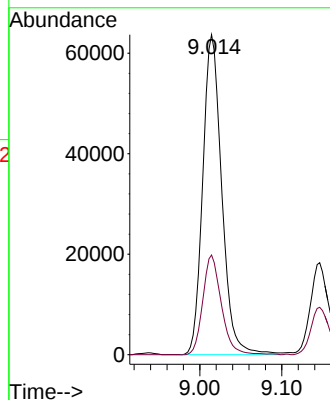
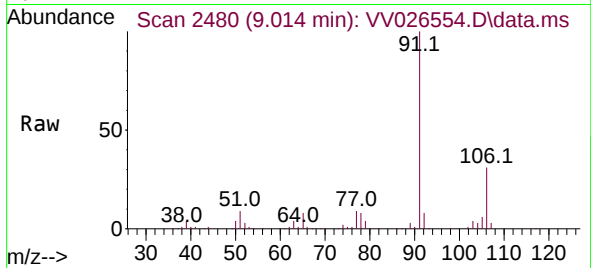




#52  
Ethylbenzene  
Concen: 1.453 ug/L  
RT: 9.014 min Scan# 2478  
Delta R.T. 0.006 min  
Lab File: VV026554.D  
Acq: 24 Jun 2022 14:39

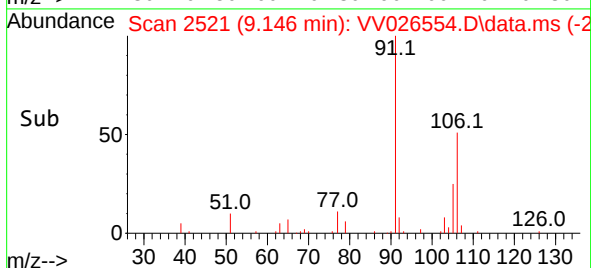
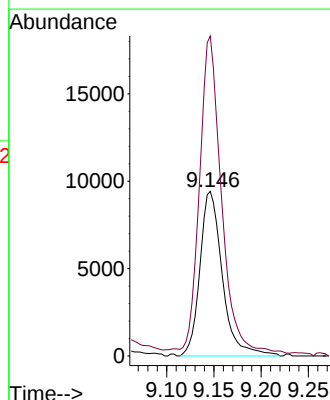
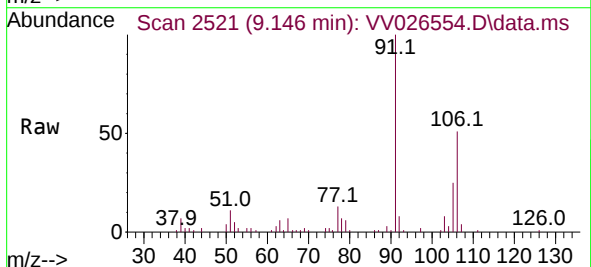
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AF2DL

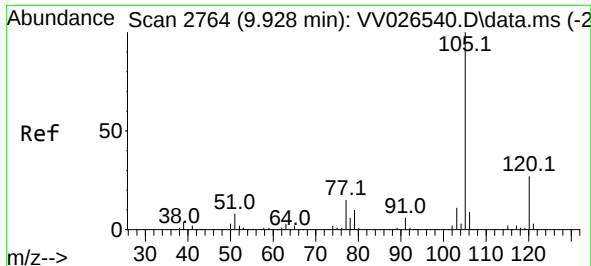
Tgt Ion: 91 Resp: 102619  
Ion Ratio Lower Upper  
91 100  
106 31.2 22.1 41.1



#53  
m,p-Xylene  
Concen: 0.564 ug/L  
RT: 9.146 min Scan# 2521  
Delta R.T. 0.010 min  
Lab File: VV026554.D  
Acq: 24 Jun 2022 14:39

Tgt Ion: 106 Resp: 15541  
Ion Ratio Lower Upper  
106 100  
91 194.4 139.9 259.9

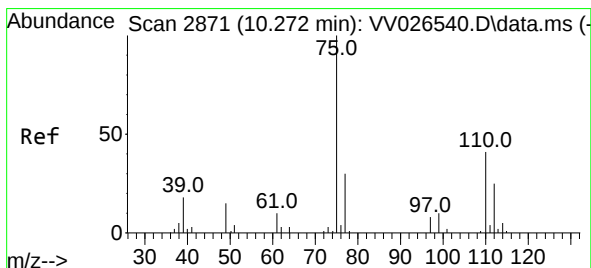
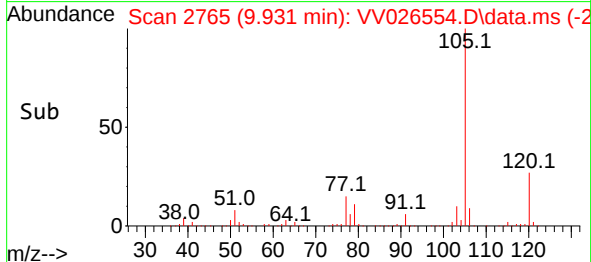
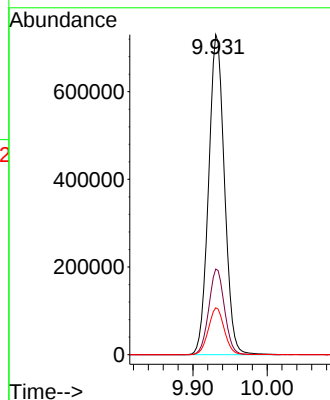
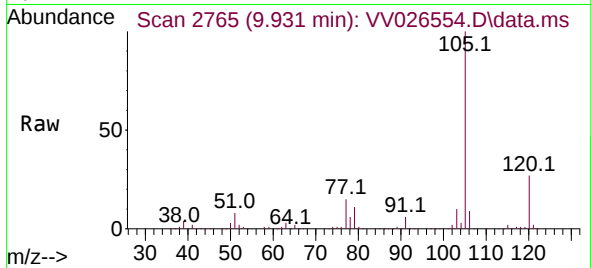




#60  
Isopropylbenzene  
Concen: 15.784 ug/L  
RT: 9.931 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV026554.D  
Acq: 24 Jun 2022 14:39

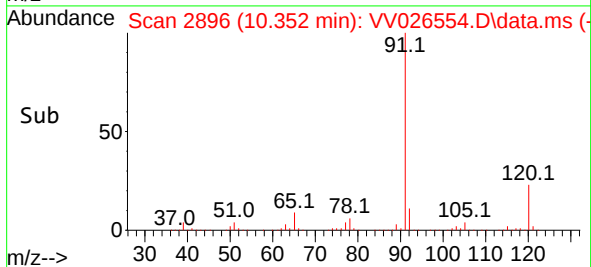
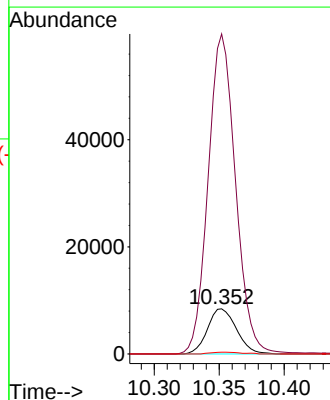
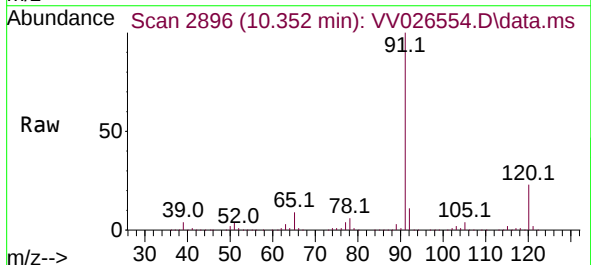
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AF2DL

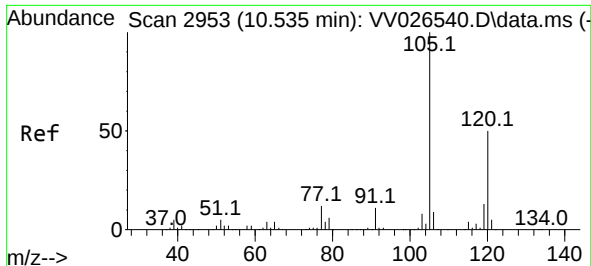
Tgt Ion:105 Resp: 1080407  
Ion Ratio Lower Upper  
105 100  
120 26.6 21.4 32.2  
77 14.7 11.6 17.4



#61  
1,2,3-Trichloropropane  
Concen: 1.816 ug/L  
RT: 10.352 min Scan# 2896  
Delta R.T. 0.080 min  
Lab File: VV026554.D  
Acq: 24 Jun 2022 14:39

Tgt Ion: 75 Resp: 13049  
Ion Ratio Lower Upper  
75 100  
77 671.9 25.8 38.6#  
110 4.1 32.5 48.7#





#62

1,3,5-Trimethylbenzene

Concen: 3.036 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.379 min

Lab File: VV026554.D

Acq: 24 Jun 2022 14:39

Instrument :

MSVOA\_V

ClientSampleId :

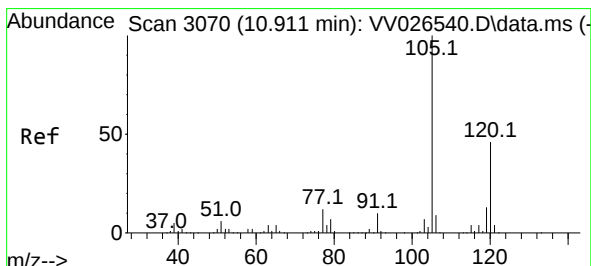
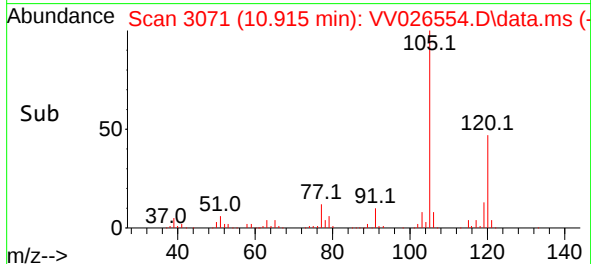
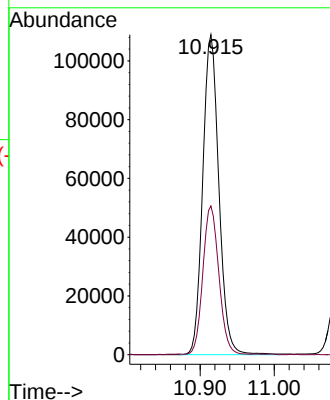
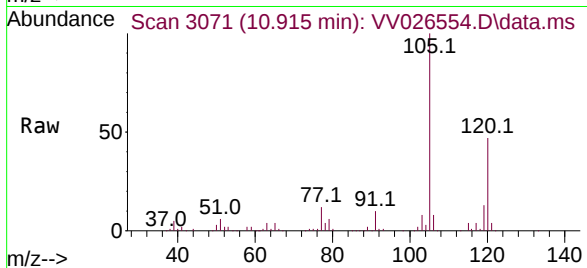
C0AF2DL

Tgt Ion:105 Resp: 164261

Ion Ratio Lower Upper

105 100

120 45.7 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 3.079 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV026554.D

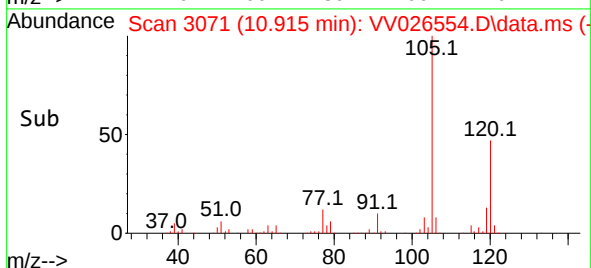
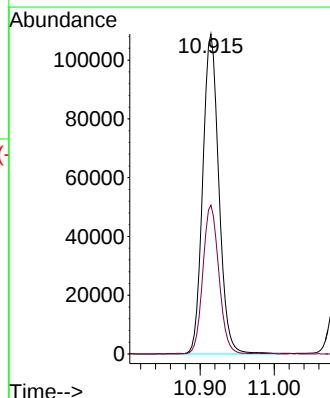
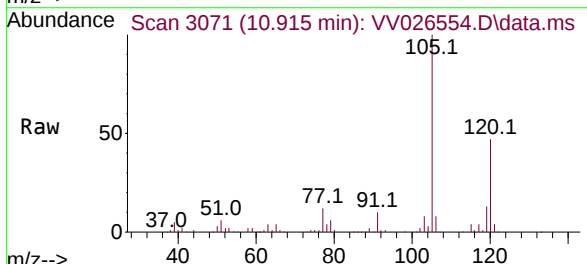
Acq: 24 Jun 2022 14:39

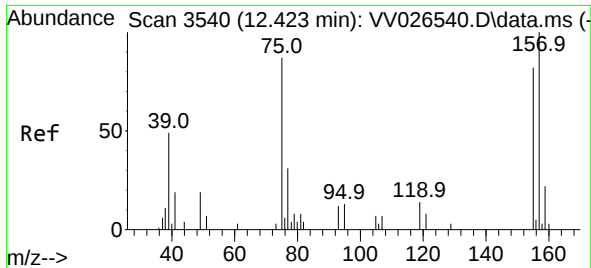
Tgt Ion:105 Resp: 164261

Ion Ratio Lower Upper

105 100

120 45.7 37.4 56.2

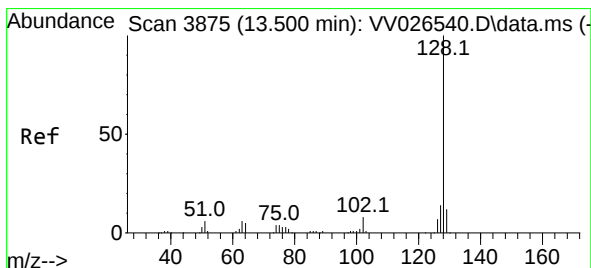
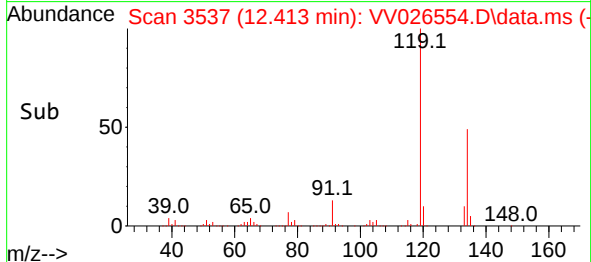
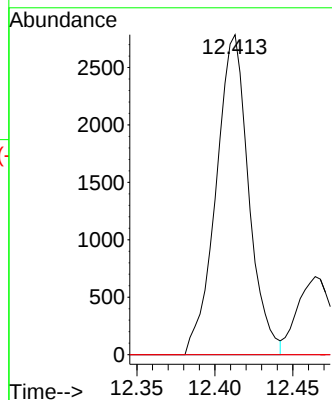
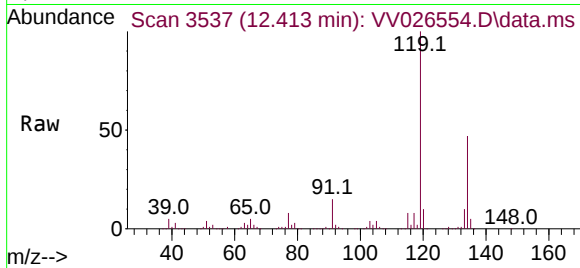




#68  
 1,2-Dibromo-3-chloropropane  
 Concen: 3.151 ug/L  
 RT: 12.413 min Scan# 3537  
 Delta R.T. -0.010 min  
 Lab File: VV026554.D  
 Acq: 24 Jun 2022 14:39

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AF2DL

Tgt Ion: 75 Resp: 4062  
 Ion Ratio Lower Upper  
 75 100  
 155 0.0 74.7 112.1#  
 157 0.0 96.9 145.3#



#71  
 Naphthalene  
 Concen: 34.306 ug/L  
 RT: 13.500 min Scan# 3875  
 Delta R.T. -0.000 min  
 Lab File: VV026554.D  
 Acq: 24 Jun 2022 14:39

Tgt Ion: 128 Resp: 756587  
 Ion Ratio Lower Upper  
 128 100  
 129 11.0 8.6 12.8  
 127 12.9 10.2 15.4

