

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW060922\  
 Data File : VW026075.D  
 Acq On : 10 Jun 2022 00:08  
 Operator : SY/MD  
 Sample : N3272-12  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0B56

Quant Time: Jun 10 05:45:38 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR060822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jun 10 05:25:55 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.625  | 114   | 167682   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 167051   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 67105    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.323  | 65    | 41235    | 4.189    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 83.800%  |
| 7) Chloroethane-d5            | 1.584  | 69    | 45995    | 4.469    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 89.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.124  | 63    | 63048    | 2.773    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 55.400%# |
| 20) 2-Butanone-d5             | 3.915  | 46    | 90649    | 62.266   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 124.540% |
| 24) Chloroform-d              | 4.362  | 84    | 108853   | 5.218    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 104.400% |
| 26) 1,2-Dichloroethane-d4     | 5.043  | 65    | 47413    | 5.572    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 111.400% |
| 32) Benzene-d6                | 5.060  | 84    | 182323   | 4.517    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.076  | 67    | 65252    | 5.225    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 104.600% |
| 41) Toluene-d8                | 7.320  | 98    | 136405   | 3.824    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 76.400%  |
| 43) trans-1,3-Dichloroprop... | 7.632  | 79    | 15081    | 4.102    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 82.000%  |
| 46) 2-Hexanone-d5             | 8.092  | 63    | 81758    | 50.530   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 101.060% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 47793    | 5.676    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 113.600% |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 54552    | 5.314    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 106.200% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.256  | 50    | 825      | 0.045    | ug/L # | 75       |
| 5) Vinyl chloride             | 1.327  | 62    | 469933   | 24.353   | ug/L   | 98       |
| 8) Chloroethane               | 1.327  | 64    | 150160   | 12.652   | ug/L # | 43       |
| 14) Carbon disulfide          | 2.314  | 76    | 7900     | 0.205    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 2.777  | 96    | 2720     | 0.214    | ug/L   | 95       |
| 33) Benzene                   | 5.114  | 78    | 2633     | 0.050    | ug/L   | 100      |
| 34) Trichloroethene           | 5.924  | 95    | 24877    | 1.814    | ug/L   | 91       |
| 35) Methylcyclohexane         | 6.076  | 83    | 14530    | 0.687    | ug/L # | 20       |
| 37) 1,2-Dichloropropane       | 6.079  | 63    | 6981     | 0.549    | ug/L # | 86       |
| 42) Toluene                   | 7.397  | 91    | 17380    | 0.317    | ug/L   | 99       |
| 47) Tetrachloroethene         | 7.982  | 164   | 8900     | 0.838    | ug/L   | 97       |
| 49) Dibromochloromethane      | 7.979  | 129   | 8609     | 0.955    | ug/L # | 9        |
| 52) Ethylbenzene              | 9.024  | 91    | 3780     | 0.066    | ug/L   | 97       |
| 53) m,p-Xylene                | 9.143  | 106   | 6648     | 0.299    | ug/L   | 96       |
| 54) o-Xylene                  | 9.548  | 106   | 1455     | 0.069    | ug/L   | 89       |
| 60) Isopropylbenzene          | 9.937  | 105   | 1453     | 0.033    | ug/L # | 89       |
| 61) 1,2,3-Trichloropropane    | 11.249 | 75    | 8054     | 1.538    | ug/L # | 66       |
| 62) 1,3,5-Trimethylbenzene    | 10.452 | 105   | 2011     | 0.057    | ug/L   | 95       |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105   | 3594     | 0.102    | ug/L   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV060922\  
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Acq On : 10 Jun 2022 00:08  
Operator : SY/MD  
Sample : N3272-12  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0B56

Quant Time: Jun 10 05:45:38 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR060822WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Jun 10 05:25:55 2022  
Response via : Initial Calibration

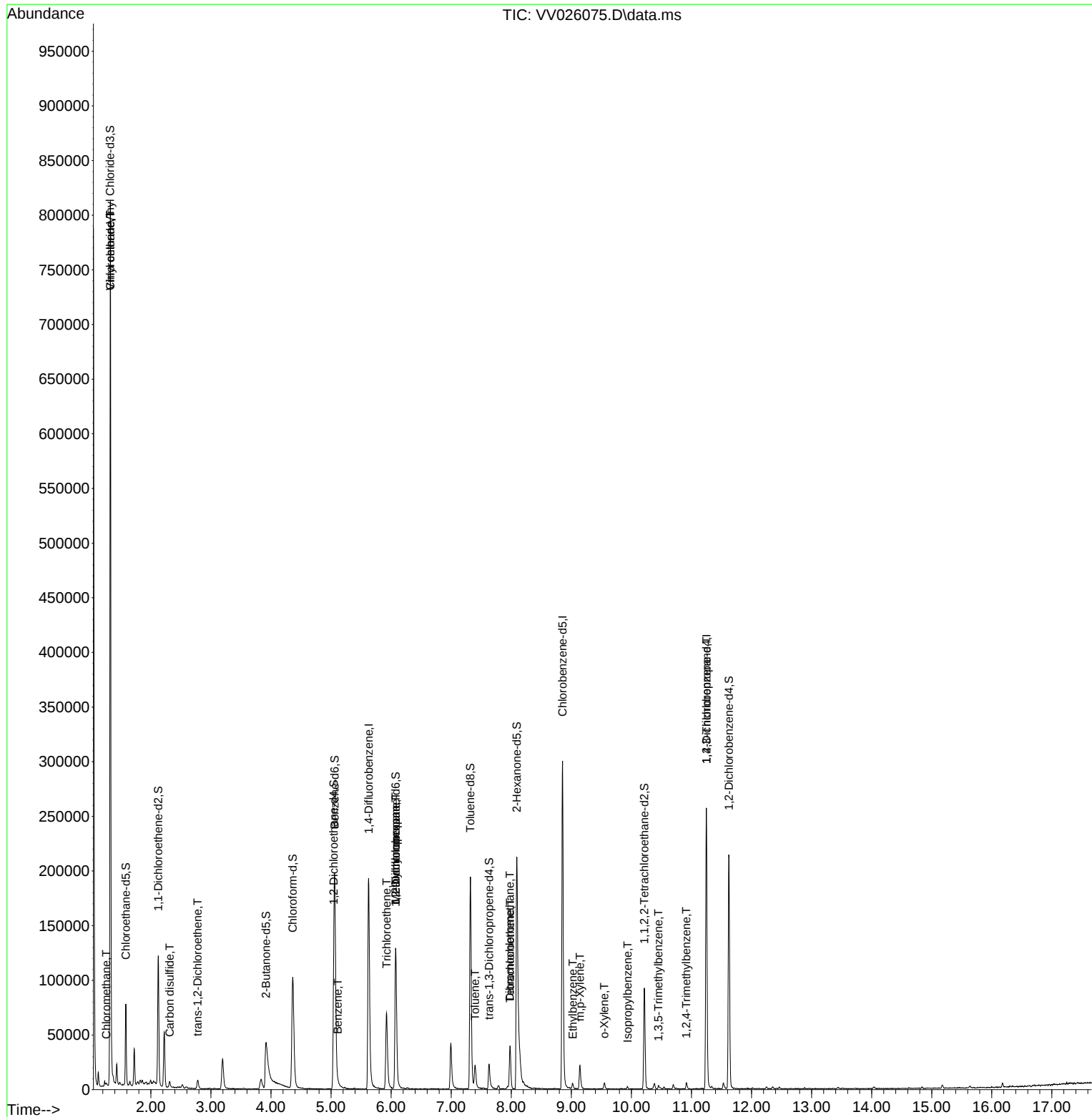
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
| -----    |      |      |          |      |       |          |
| -----    |      |      |          |      |       |          |

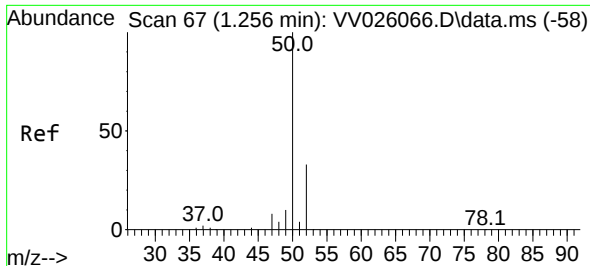
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV060922\  
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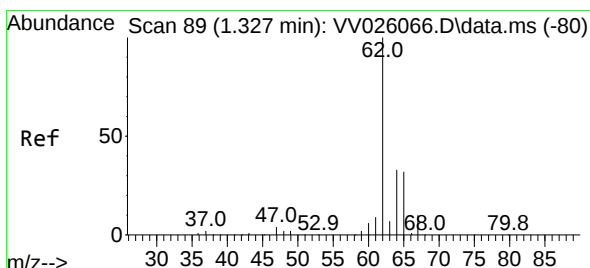
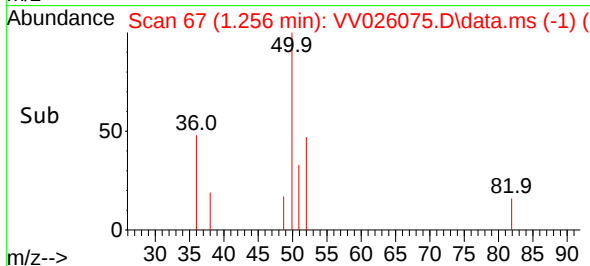
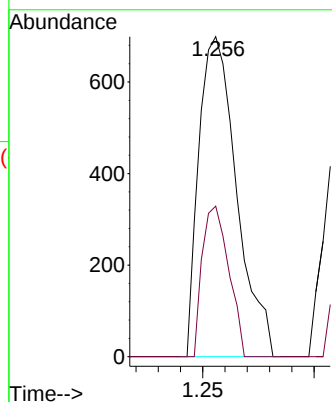
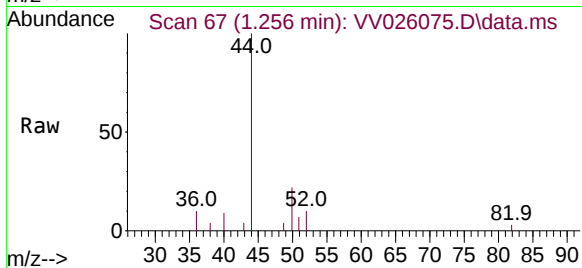




#3  
Chloromethane  
Concen: 0.045 ug/L  
RT: 1.256 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VV026075.D  
Acq: 10 Jun 2022 00:08

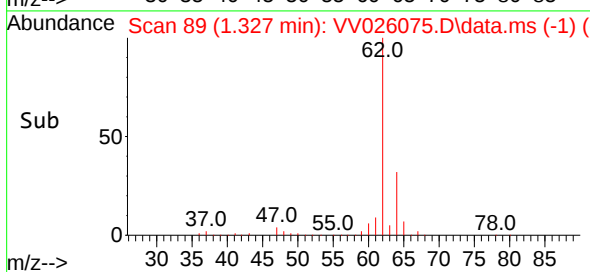
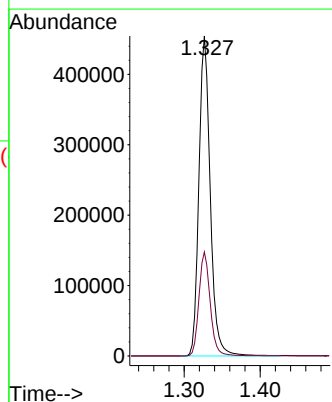
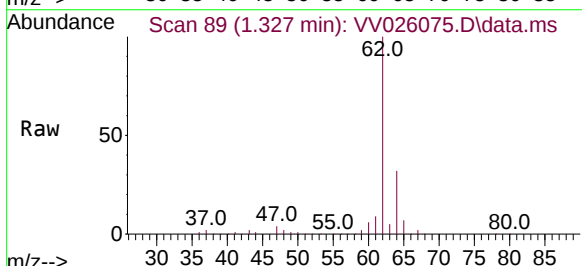
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0B56

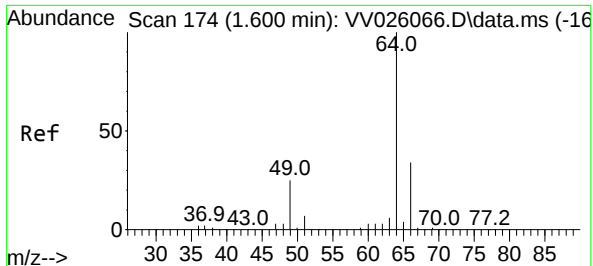
Tgt Ion: 50 Resp: 825  
Ion Ratio Lower Upper  
50 100  
52 47.1 23.0 42.6#



#5  
Vinyl chloride  
Concen: 24.353 ug/L  
RT: 1.327 min Scan# 89  
Delta R.T. 0.000 min  
Lab File: VV026075.D  
Acq: 10 Jun 2022 00:08

Tgt Ion: 62 Resp: 469933  
Ion Ratio Lower Upper  
62 100  
64 32.5 23.4 43.4

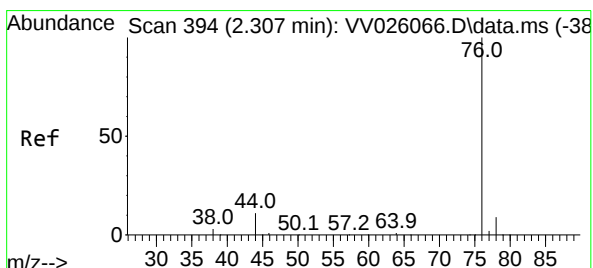
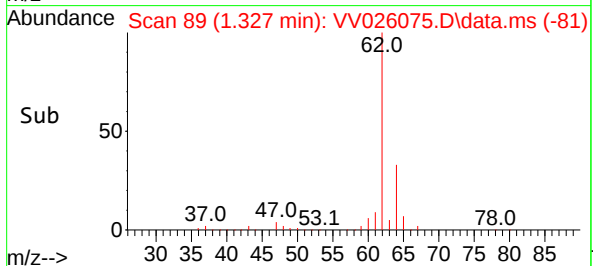
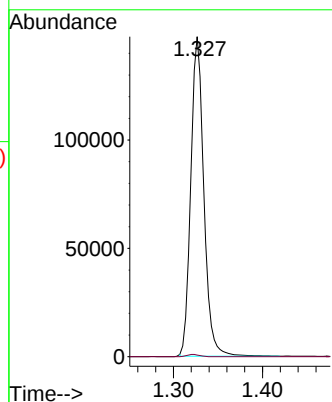
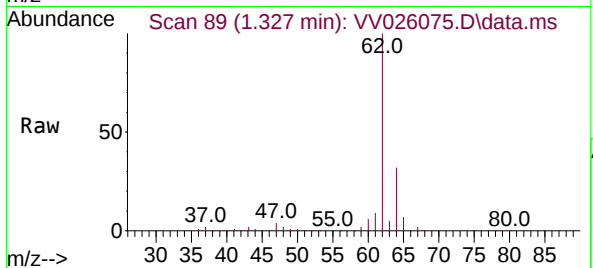




#8  
Chloroethane  
Concen: 12.652 ug/L  
RT: 1.327 min Scan# 89  
Delta R.T. -0.273 min  
Lab File: VV026075.D  
Acq: 10 Jun 2022 00:08

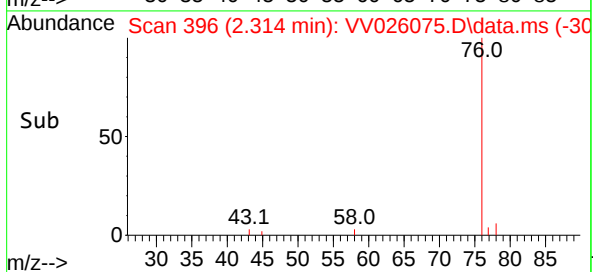
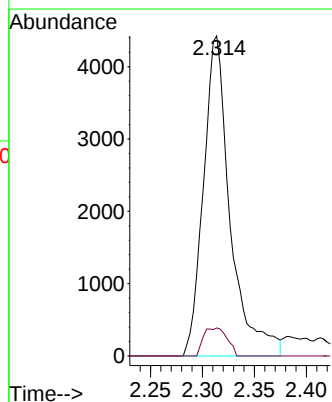
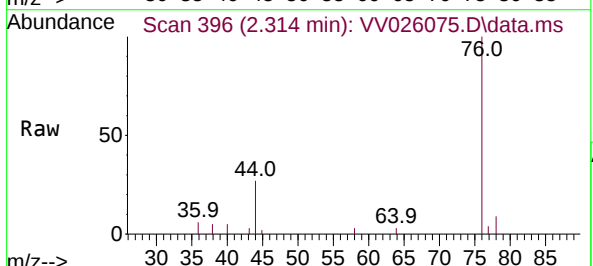
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0B56

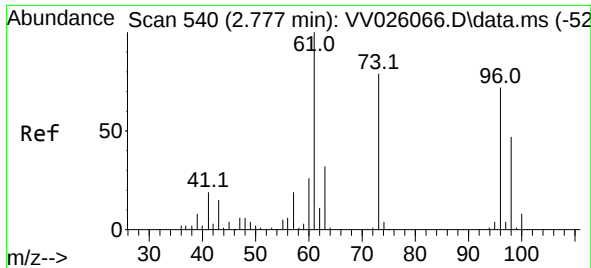
Tgt Ion: 64 Resp: 150160  
Ion Ratio Lower Upper  
64 100  
66 0.5 23.0 42.8#



#14  
Carbon disulfide  
Concen: 0.205 ug/L  
RT: 2.314 min Scan# 396  
Delta R.T. 0.006 min  
Lab File: VV026075.D  
Acq: 10 Jun 2022 00:08

Tgt Ion: 76 Resp: 7900  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.4 11.0

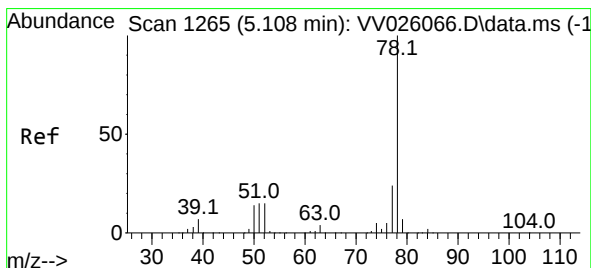
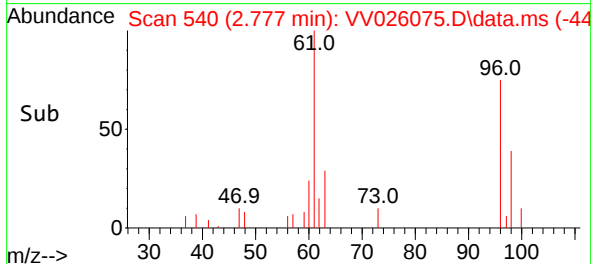
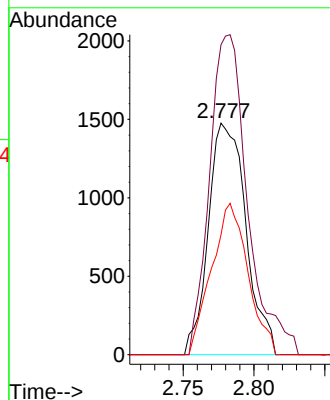
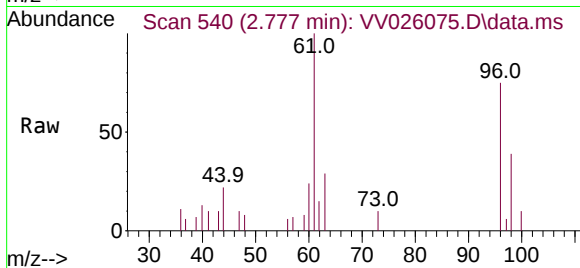




#18  
trans-1,2-Dichloroethene  
Concen: 0.214 ug/L  
RT: 2.777 min Scan# 540  
Delta R.T. 0.000 min  
Lab File: VV026075.D  
Acq: 10 Jun 2022 00:08

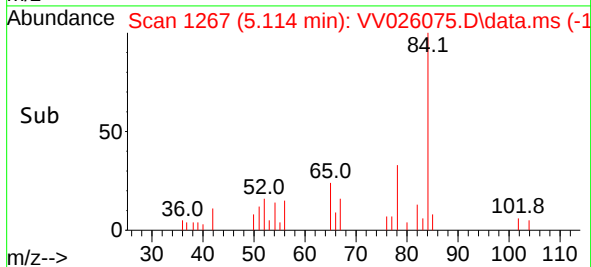
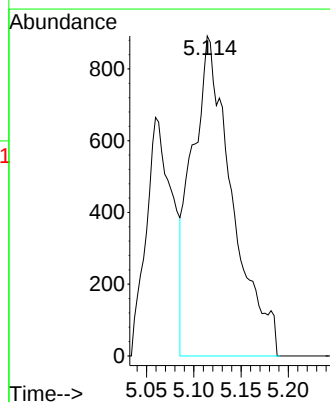
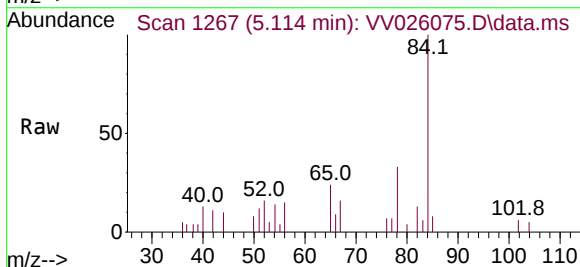
Instrument :  
MSVOA\_V  
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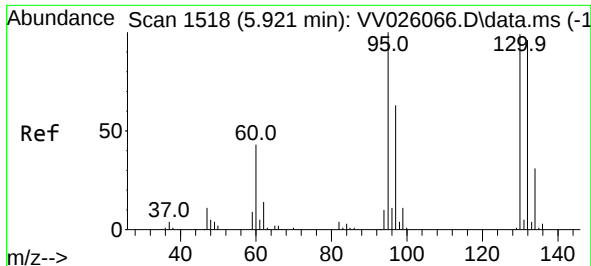
Tgt Ion: 96 Resp: 2720  
Ion Ratio Lower Upper  
96 100  
61 133.9 94.3 175.1  
98 51.8 44.4 82.5



#33  
Benzene  
Concen: 0.050 ug/L  
RT: 5.114 min Scan# 1267  
Delta R.T. 0.006 min  
Lab File: VV026075.D  
Acq: 10 Jun 2022 00:08

Tgt Ion: 78 Resp: 2633



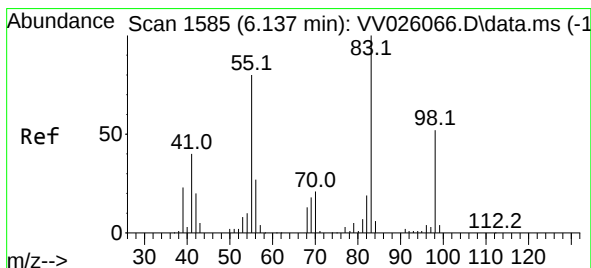
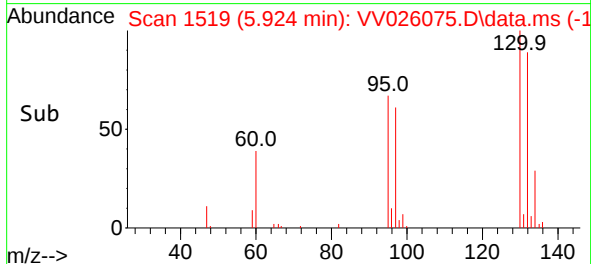
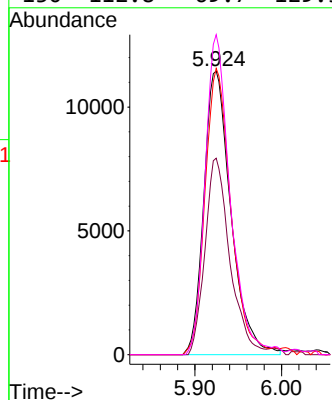
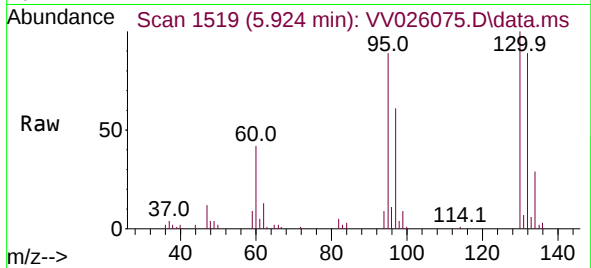


#34  
Trichloroethene  
Concen: 1.814 ug/L  
RT: 5.924 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VV026075.D  
Acq: 10 Jun 2022 00:08

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0B56

Tgt Ion: 95 Resp: 24877

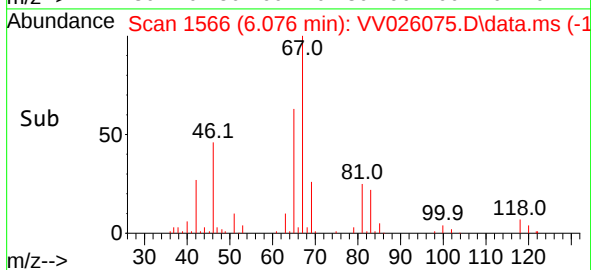
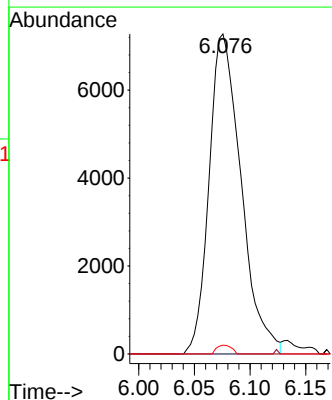
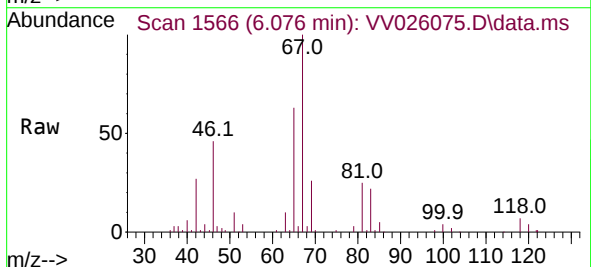
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 69.2  | 44.0  | 81.6  |
| 132 | 100.9 | 67.5  | 125.4 |
| 130 | 112.8 | 69.7  | 129.5 |

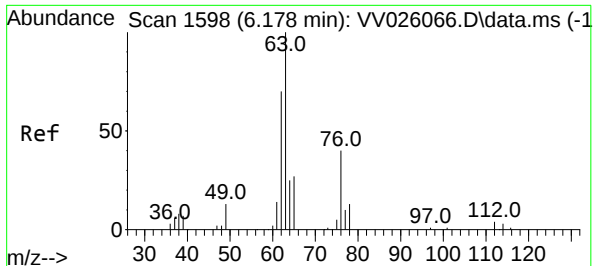


#35  
Methylcyclohexane  
Concen: 0.687 ug/L  
RT: 6.076 min Scan# 1566  
Delta R.T. -0.061 min  
Lab File: VV026075.D  
Acq: 10 Jun 2022 00:08

Tgt Ion: 83 Resp: 14530

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 0.1   | 59.4  | 89.0# |
| 98  | 1.3   | 38.9  | 58.3# |





#37

1,2-Dichloropropane

Concen: 0.549 ug/L

RT: 6.079 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV026075.D

Acq: 10 Jun 2022 00:08

Instrument :

MSVOA\_V

ClientSampleId :

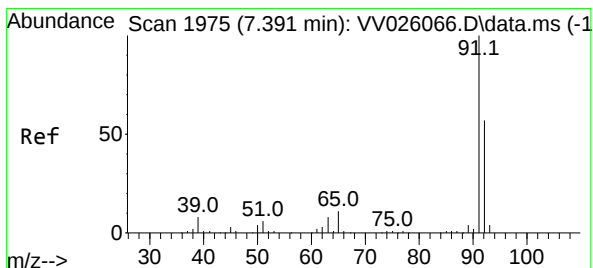
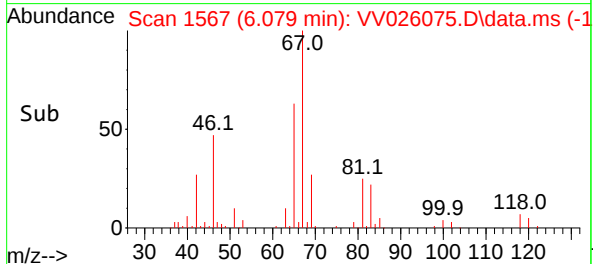
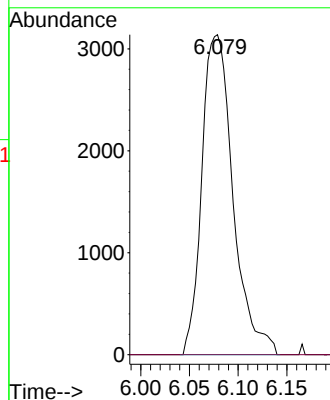
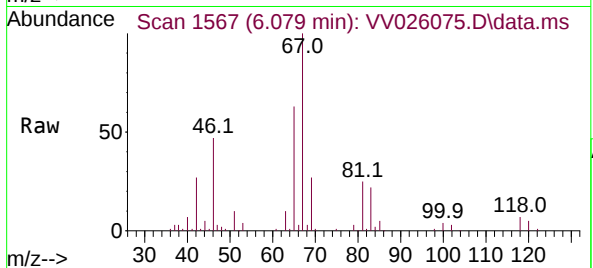
C0B56

Tgt Ion: 63 Resp: 6981

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#42

Toluene

Concen: 0.317 ug/L

RT: 7.397 min Scan# 1977

Delta R.T. 0.006 min

Lab File: VV026075.D

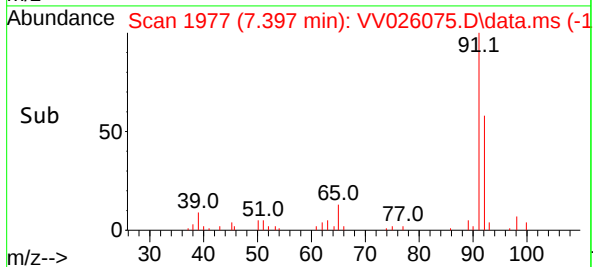
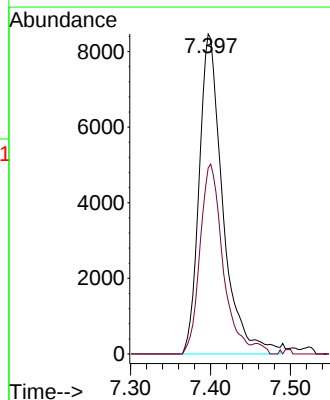
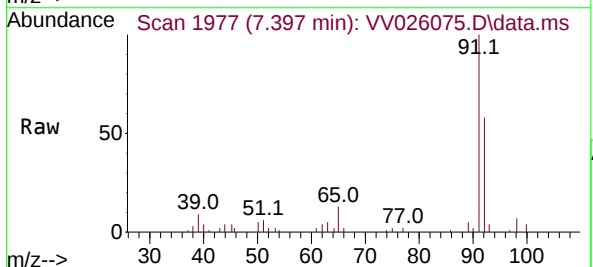
Acq: 10 Jun 2022 00:08

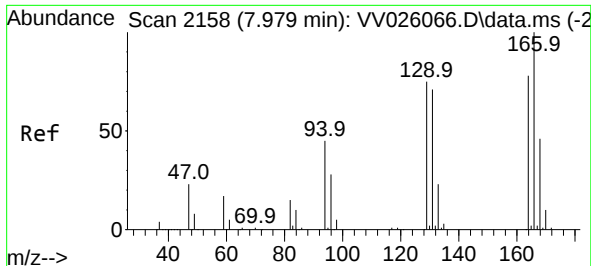
Tgt Ion: 91 Resp: 17380

Ion Ratio Lower Upper

91 100

92 58.1 41.2 76.4





#47

Tetrachloroethene

Concen: 0.838 ug/L

RT: 7.982 min Scan# 2158

Delta R.T. 0.003 min

Lab File: VV026075.D

Acq: 10 Jun 2022 00:08

Instrument :

MSVOA\_V

ClientSampleId :

C0B56

Tgt Ion:164 Resp: 8900

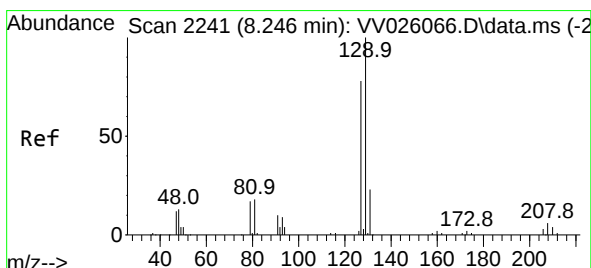
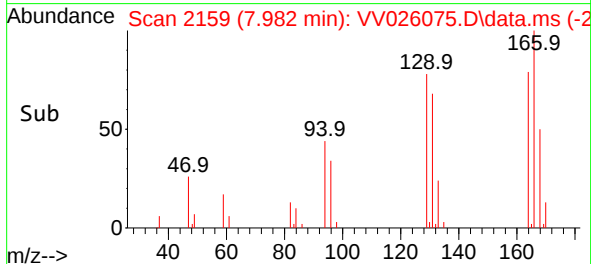
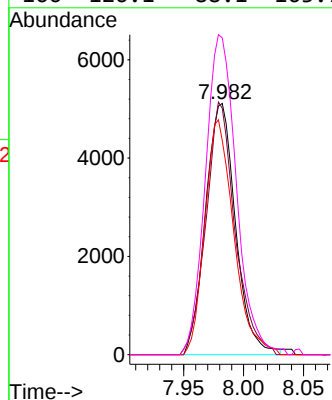
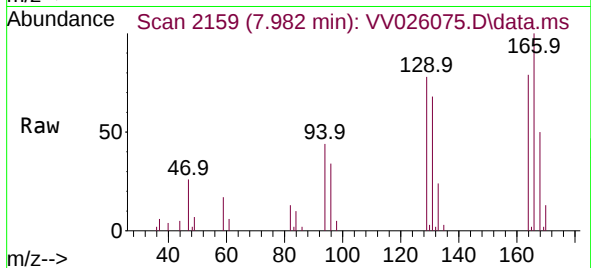
Ion Ratio Lower Upper

164 100

129 98.1 68.3 126.9

131 85.2 66.5 123.5

166 126.1 88.1 163.7



#49

Dibromochloromethane

Concen: 0.955 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.267 min

Lab File: VV026075.D

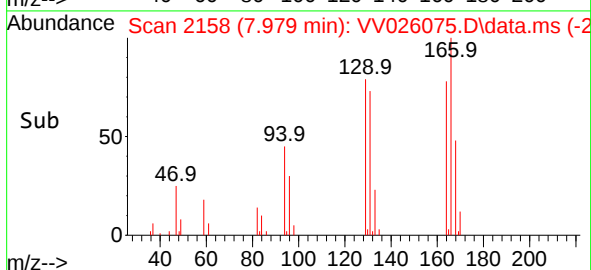
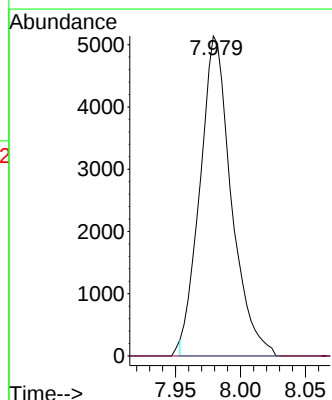
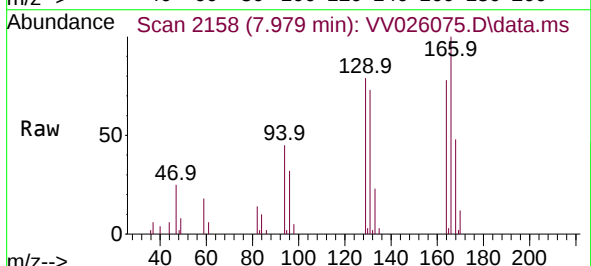
Acq: 10 Jun 2022 00:08

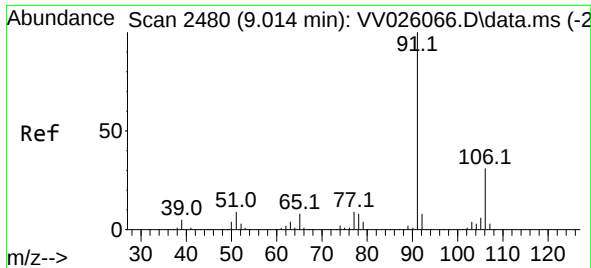
Tgt Ion:129 Resp: 8609

Ion Ratio Lower Upper

129 100

127 0.0 55.9 103.7#

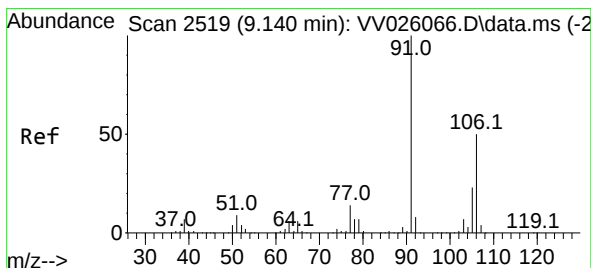
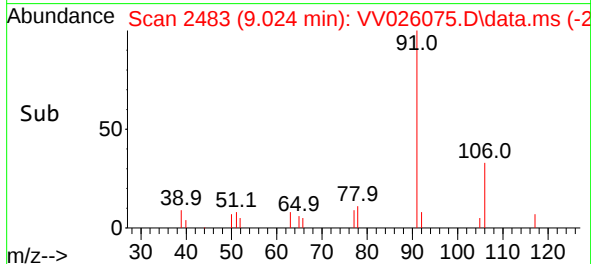
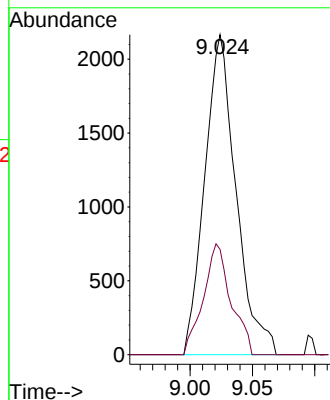
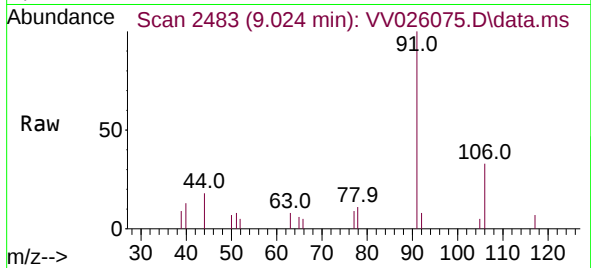




#52  
Ethylbenzene  
Concen: 0.066 ug/L  
RT: 9.024 min Scan# 2480  
Delta R.T. 0.010 min  
Lab File: VV026075.D  
Acq: 10 Jun 2022 00:08

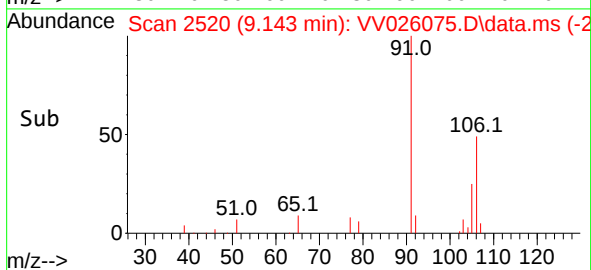
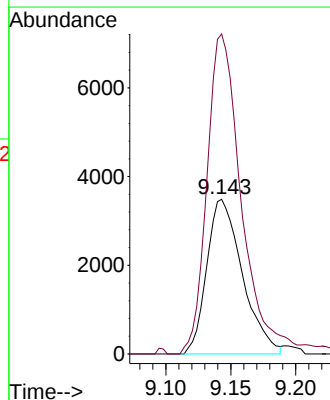
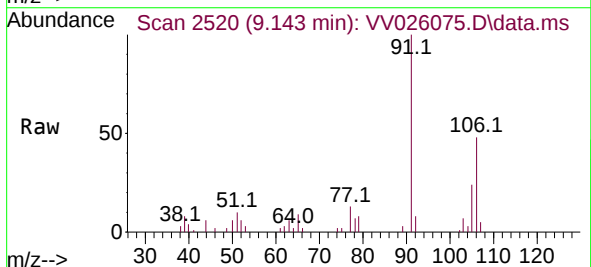
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0B56

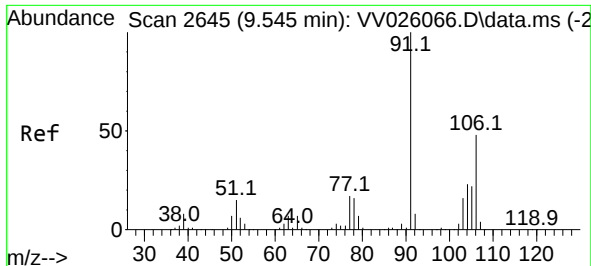
Tgt Ion: 91 Resp: 3780  
Ion Ratio Lower Upper  
91 100  
106 32.9 21.8 40.6



#53  
m,p-Xylene  
Concen: 0.299 ug/L  
RT: 9.143 min Scan# 2520  
Delta R.T. 0.003 min  
Lab File: VV026075.D  
Acq: 10 Jun 2022 00:08

Tgt Ion: 106 Resp: 6648  
Ion Ratio Lower Upper  
106 100  
91 206.7 140.4 260.8

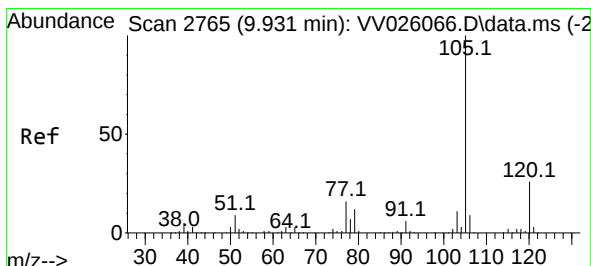
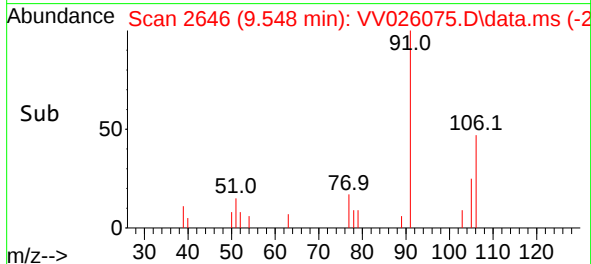
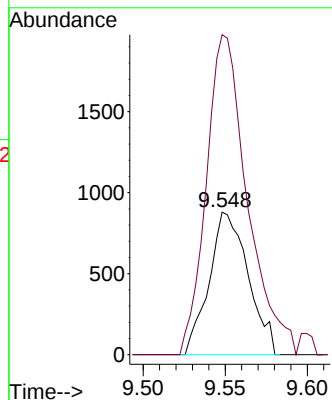
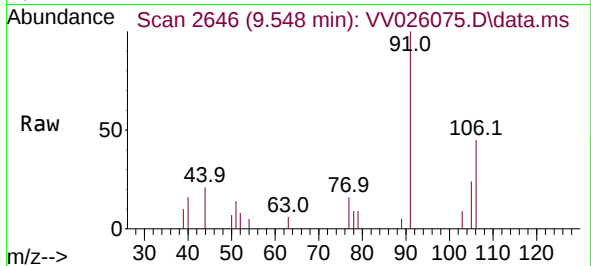




#54  
o-Xylene  
Concen: 0.069 ug/L  
RT: 9.548 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV026075.D  
Acq: 10 Jun 2022 00:08

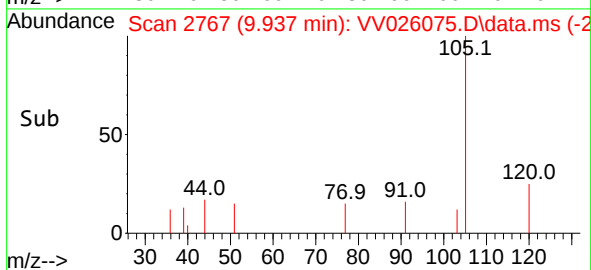
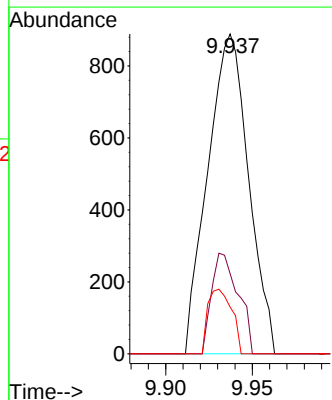
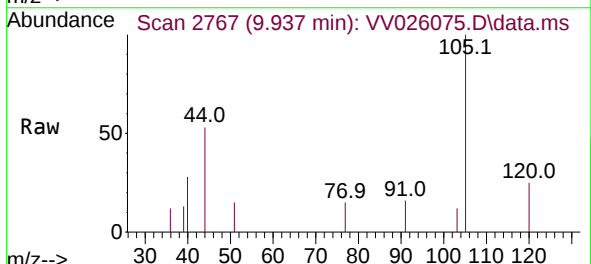
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0B56

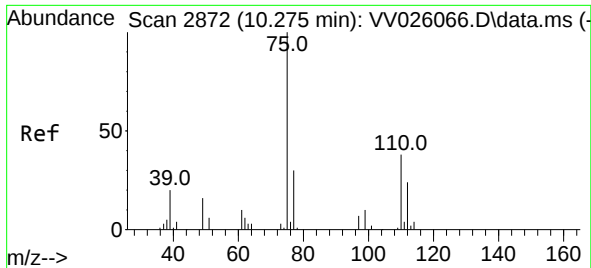
Tgt Ion:106 Resp: 1455  
Ion Ratio Lower Upper  
106 100  
91 224.4 145.4 270.0



#60  
Isopropylbenzene  
Concen: 0.033 ug/L  
RT: 9.937 min Scan# 2767  
Delta R.T. 0.006 min  
Lab File: VV026075.D  
Acq: 10 Jun 2022 00:08

Tgt Ion:105 Resp: 1453  
Ion Ratio Lower Upper  
105 100  
120 20.5 21.3 31.9#  
77 11.8 12.4 18.6#

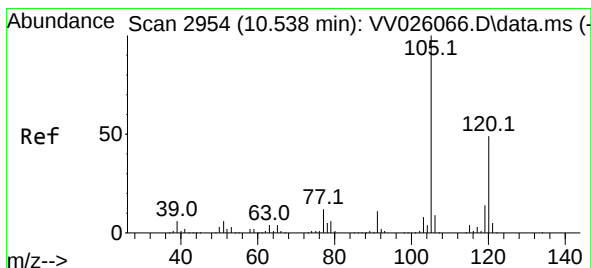
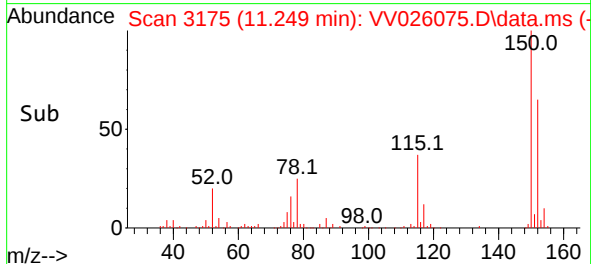
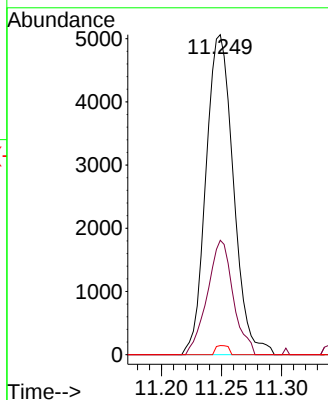
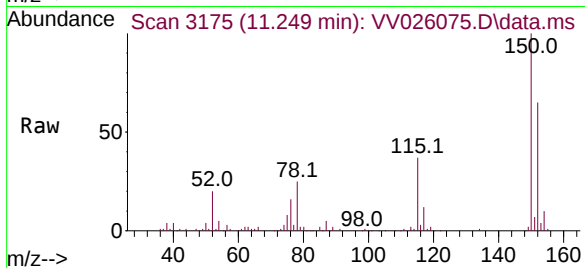




#61  
1,2,3-Trichloropropane  
Concen: 1.538 ug/L  
RT: 11.249 min Scan# 31  
Delta R.T. 0.974 min  
Lab File: VV026075.D  
Acq: 10 Jun 2022 00:08

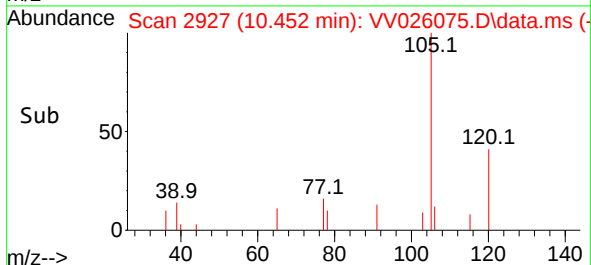
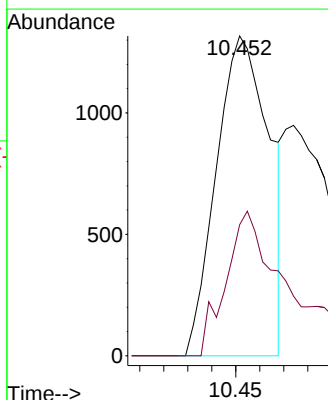
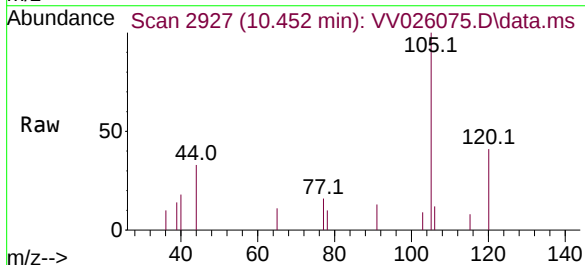
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0B56

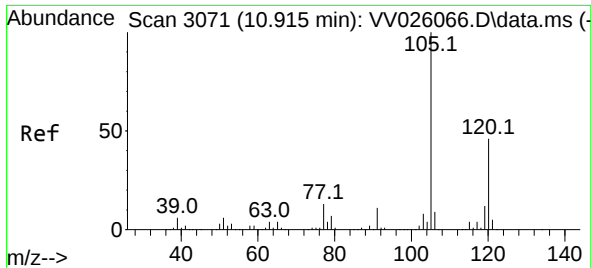
Tgt Ion: 75 Resp: 8054  
Ion Ratio Lower Upper  
75 100  
77 33.6 26.6 40.0  
110 1.3 32.0 48.0#



#62  
1,3,5-Trimethylbenzene  
Concen: 0.057 ug/L  
RT: 10.452 min Scan# 2927  
Delta R.T. -0.087 min  
Lab File: VV026075.D  
Acq: 10 Jun 2022 00:08

Tgt Ion: 105 Resp: 2011  
Ion Ratio Lower Upper  
105 100  
120 52.1 38.8 58.2





#63  
 1,2,4-Trimethylbenzene  
 Concen: 0.102 ug/L  
 RT: 10.915 min Scan# 3071  
 Delta R.T. 0.000 min  
 Lab File: VV026075.D  
 Acq: 10 Jun 2022 00:08

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0B56

Tgt Ion:105 Resp: 3594  
 Ion Ratio Lower Upper  
 105 100  
 120 47.3 36.7 55.1

