

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW061122\  
 Data File : VW026127.D  
 Acq On : 11 Jun 2022 14:09  
 Operator : SY/MD  
 Sample : N3272-14DL 20X  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jun 13 01:18:55 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR060822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Jun 13 01:15:38 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 5.625  | 114  | 139344   | 5.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.854  | 117  | 128402   | 5.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.249 | 152  | 50148    | 5.000 | ug/L  | 0.00     |

|                               |        |                |          |        |           |      |
|-------------------------------|--------|----------------|----------|--------|-----------|------|
| System Monitoring Compounds   |        |                |          |        |           |      |
| 4) Vinyl Chloride-d3          | 1.323  | 65             | 45248    | 5.532  | ug/L      | 0.00 |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 110.600%  |      |
| 7) Chloroethane-d5            | 1.584  | 69             | 55985    | 6.547  | ug/L      | 0.00 |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 131.000%# |      |
| 11) 1,1-Dichloroethene-d2     | 2.124  | 63             | 71192    | 3.768  | ug/L      | 0.00 |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 75.400%   |      |
| 20) 2-Butanone-d5             | 3.931  | 46             | 93655    | 77.414 | ug/L      | 0.02 |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 154.820%# |      |
| 24) Chloroform-d              | 4.365  | 84             | 112509   | 6.490  | ug/L      | 0.00 |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 129.800%# |      |
| 26) 1,2-Dichloroethane-d4     | 5.043  | 65             | 48514    | 6.861  | ug/L      | 0.00 |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 137.200%# |      |
| 32) Benzene-d6                | 5.060  | 84             | 200828   | 6.473  | ug/L      | 0.00 |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 129.400%# |      |
| 36) 1,2-Dichloropropane-d6    | 6.076  | 67             | 67669    | 7.050  | ug/L      | 0.00 |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 141.000%# |      |
| 41) Toluene-d8                | 7.320  | 98             | 143323   | 5.227  | ug/L      | 0.00 |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 104.600%  |      |
| 43) trans-1,3-Dichloroprop... | 7.629  | 79             | 13857    | 4.903  | ug/L      | 0.00 |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 98.000%   |      |
| 46) 2-Hexanone-d5             | 8.092  | 63             | 74190    | 59.654 | ug/L      | 0.00 |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 119.300%  |      |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84             | 41428    | 6.401  | ug/L      | 0.00 |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 128.000%# |      |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152            | 48912    | 6.375  | ug/L      | 0.00 |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 127.600%# |      |

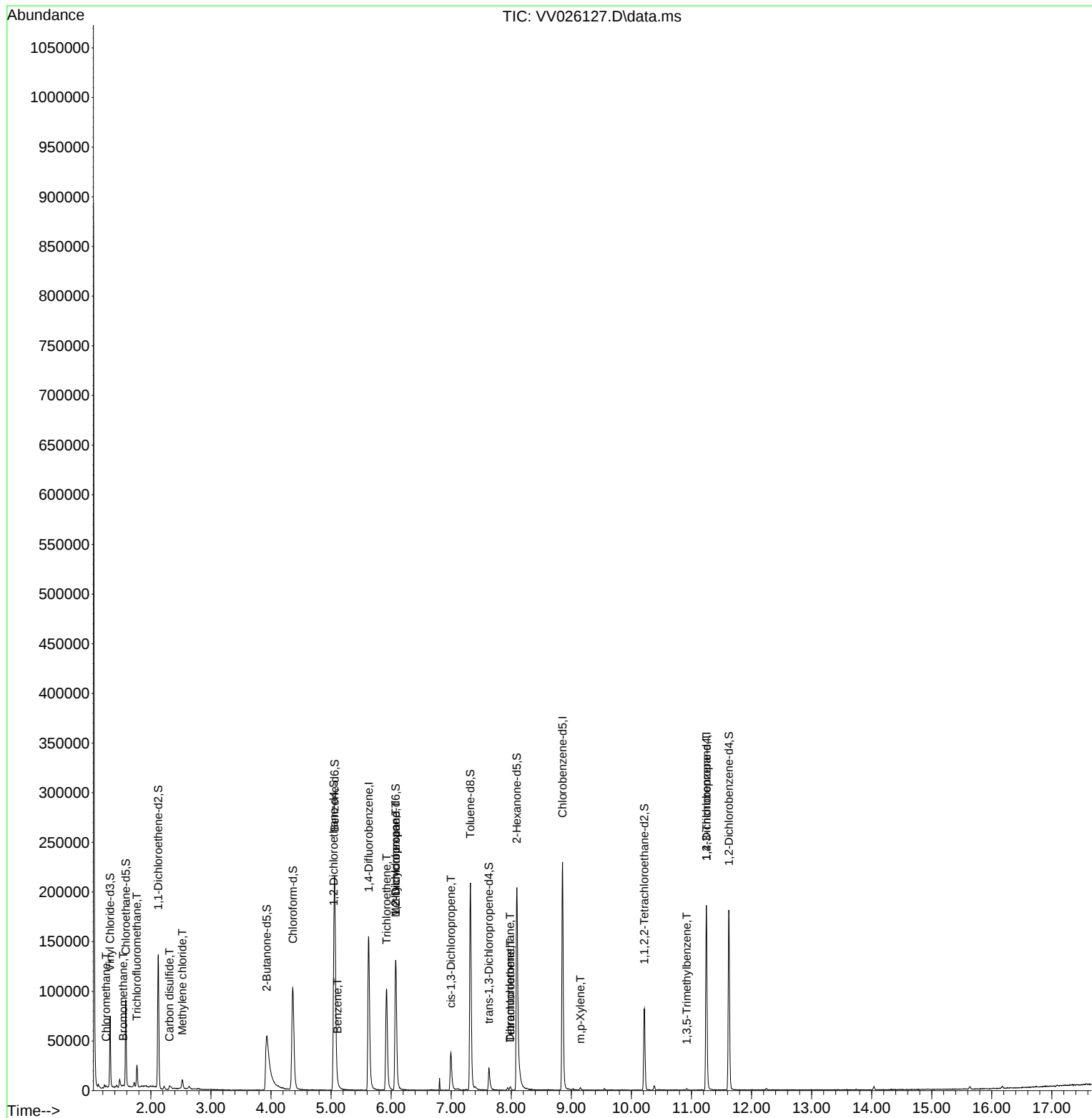
| Target Compounds            |        |     |       |       | Qvalue    |
|-----------------------------|--------|-----|-------|-------|-----------|
| 3) Chloromethane            | 1.256  | 50  | 765   | 0.050 | ug/L 87   |
| 6) Bromomethane             | 1.539  | 94  | 680   | 0.073 | ug/L 99   |
| 9) Trichlorofluoromethane   | 1.767  | 101 | 12690 | 0.621 | ug/L 100  |
| 14) Carbon disulfide        | 2.310  | 76  | 10018 | 0.313 | ug/L 95   |
| 16) Methylene chloride      | 2.523  | 84  | 3733  | 0.334 | ug/L 98   |
| 33) Benzene                 | 5.108  | 78  | 1904  | 0.047 | ug/L 100  |
| 34) Trichloroethene         | 5.924  | 95  | 37117 | 3.521 | ug/L 99   |
| 35) Methylcyclohexane       | 6.079  | 83  | 15563 | 0.958 | ug/L # 19 |
| 37) 1,2-Dichloropropane     | 6.076  | 63  | 7081  | 0.724 | ug/L # 86 |
| 39) cis-1,3-Dichloropropene | 6.995  | 75  | 1266  | 0.105 | ug/L # 73 |
| 47) Tetrachloroethene       | 7.986  | 164 | 877   | 0.107 | ug/L 89   |
| 49) Dibromochloromethane    | 7.982  | 129 | 705   | 0.102 | ug/L # 9  |
| 53) m,p-Xylene              | 9.149  | 106 | 869   | 0.051 | ug/L 71   |
| 61) 1,2,3-Trichloropropane  | 11.249 | 75  | 6006  | 1.534 | ug/L # 64 |
| 62) 1,3,5-Trimethylbenzene  | 10.921 | 105 | 1116  | 0.042 | ug/L 98   |

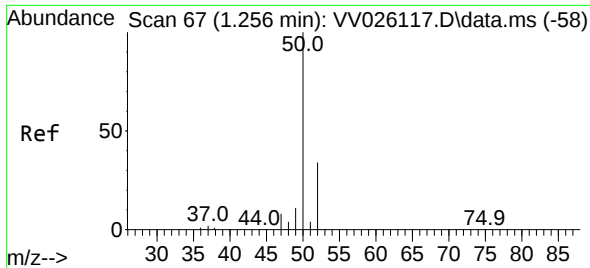
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV061122\  
Data File : VV026127.D  
Acq On : 11 Jun 2022 14:09  
Operator : SY/MD  
Sample : N3272-14DL 20X  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Jun 13 01:18:55 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR060822WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Mon Jun 13 01:15:38 2022  
Response via : Initial Calibration

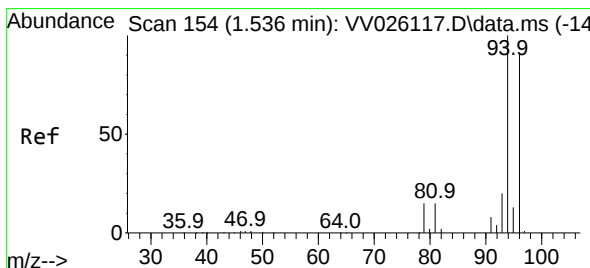
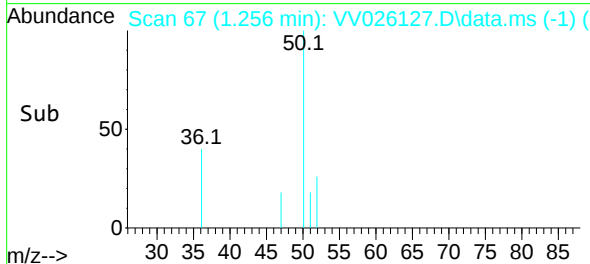
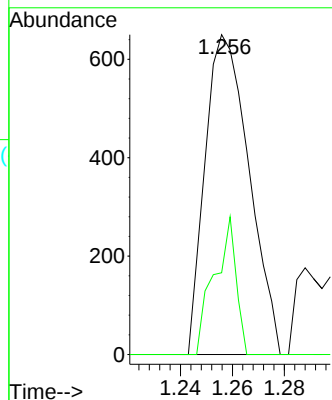
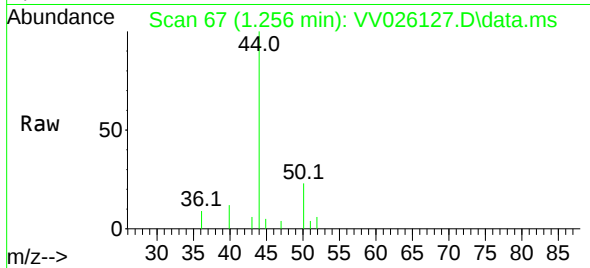




#3  
Chloromethane  
Concen: 0.050 ug/L  
RT: 1.256 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VV026127.D  
Acq: 11 Jun 2022 14:09

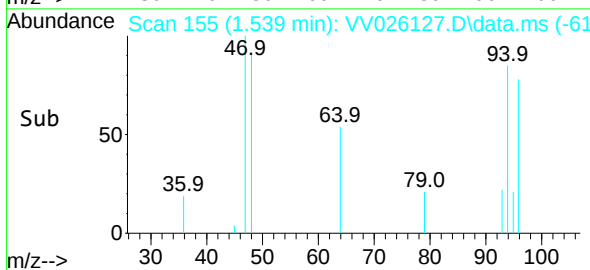
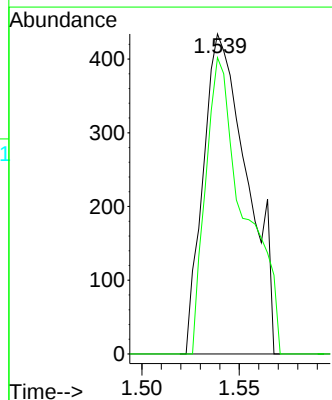
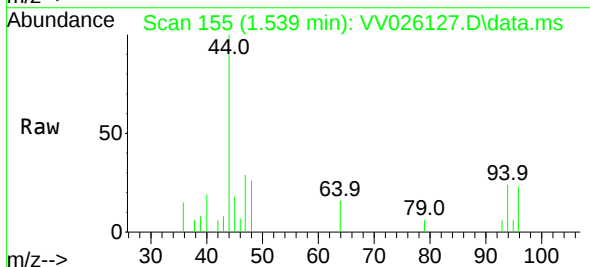
Instrument :  
MSVOA\_V  
ClientSampleId :

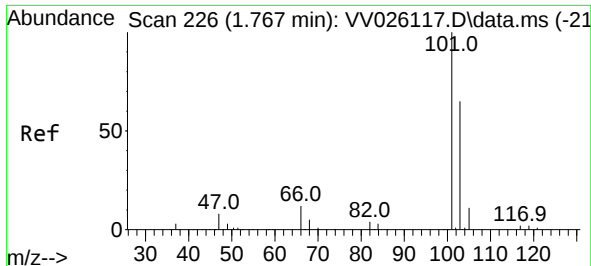
Tgt Ion: 50 Resp: 765  
Ion Ratio Lower Upper  
50 100  
52 25.5 23.0 42.6



#6  
Bromomethane  
Concen: 0.073 ug/L  
RT: 1.539 min Scan# 155  
Delta R.T. 0.003 min  
Lab File: VV026127.D  
Acq: 11 Jun 2022 14:09

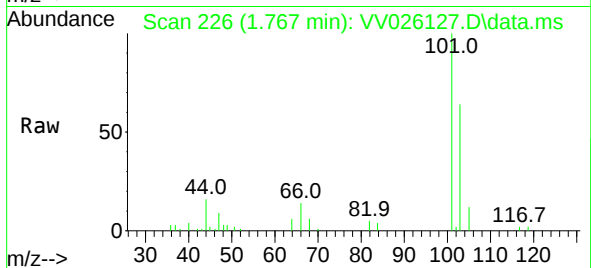
Tgt Ion: 94 Resp: 680  
Ion Ratio Lower Upper  
94 100  
96 92.6 65.5 121.6



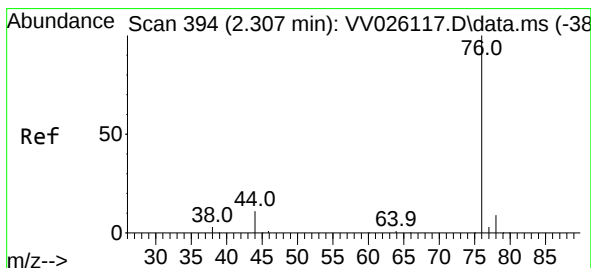
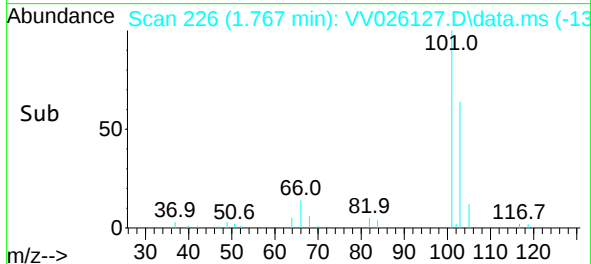
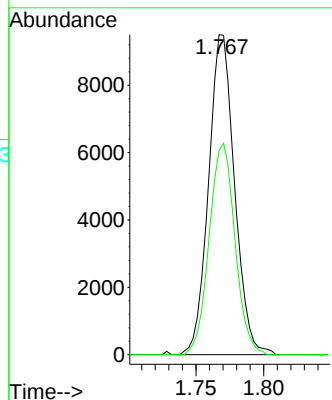


#9  
Trichlorofluoromethane  
Concen: 0.621 ug/L  
RT: 1.767 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV026127.D  
Acq: 11 Jun 2022 14:09

Instrument :  
MSVOA\_V  
ClientSampleId :

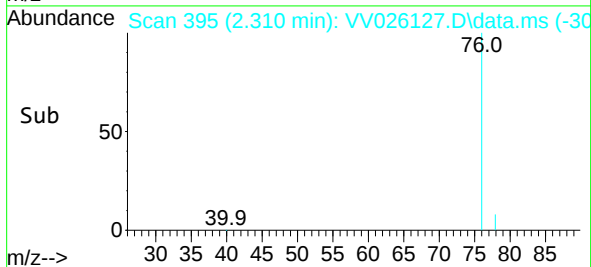
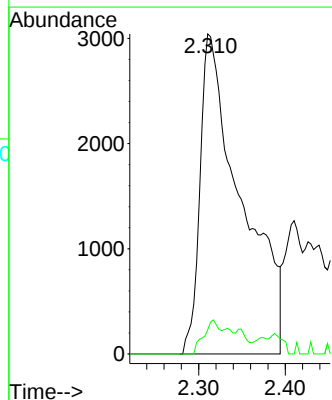
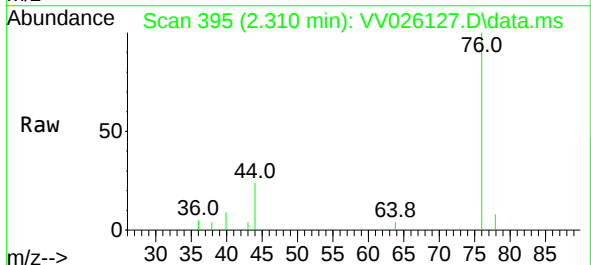


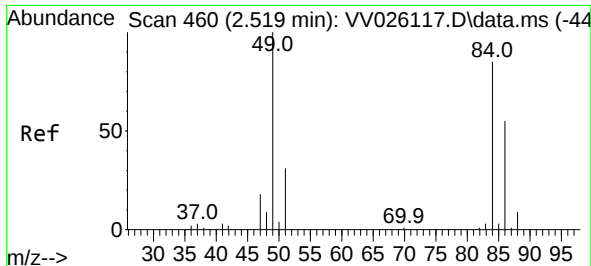
Tgt Ion:101 Resp: 12690  
Ion Ratio Lower Upper  
101 100  
103 65.4 52.6 78.8



#14  
Carbon disulfide  
Concen: 0.313 ug/L  
RT: 2.310 min Scan# 395  
Delta R.T. 0.003 min  
Lab File: VV026127.D  
Acq: 11 Jun 2022 14:09

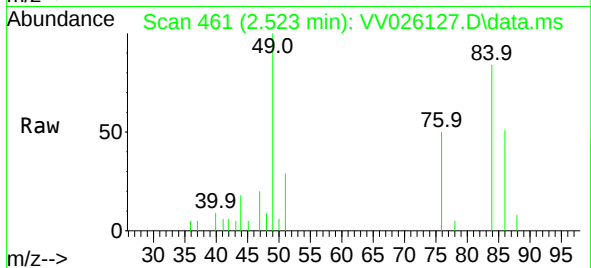
Tgt Ion: 76 Resp: 10018  
Ion Ratio Lower Upper  
76 100  
78 7.6 7.4 11.0





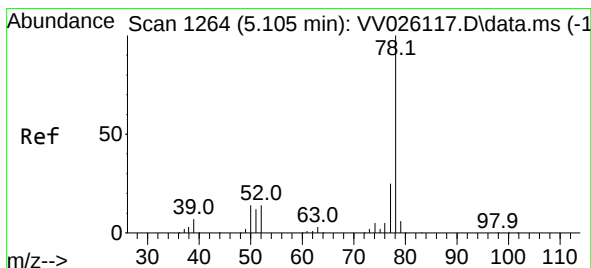
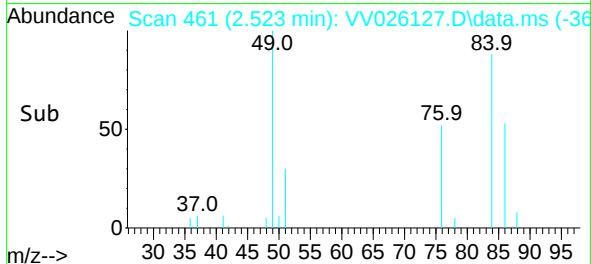
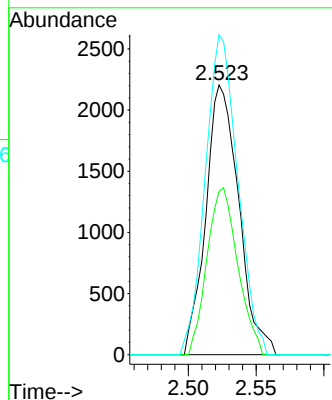
#16  
Methylene chloride  
Concen: 0.334 ug/L  
RT: 2.523 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VV026127.D  
Acq: 11 Jun 2022 14:09

Instrument :  
MSVOA\_V  
ClientSampleId :



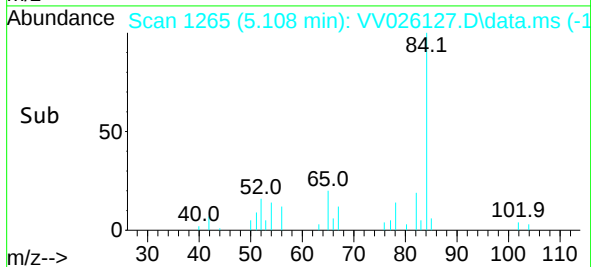
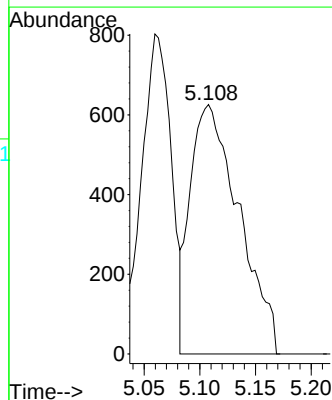
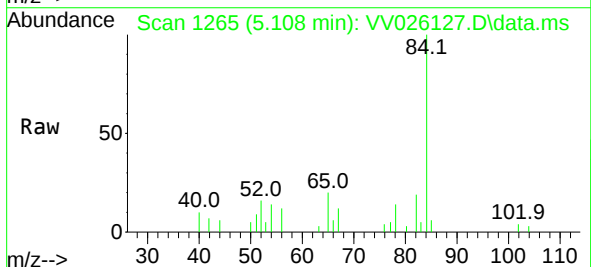
Tgt Ion: 84 Resp: 3733

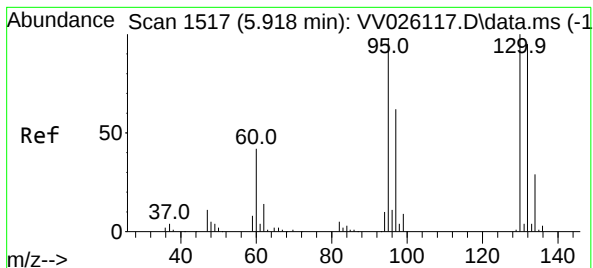
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 86  | 60.6  | 45.6  | 84.6  |
| 49  | 118.6 | 82.9  | 153.9 |



#33  
Benzene  
Concen: 0.047 ug/L  
RT: 5.108 min Scan# 1265  
Delta R.T. 0.003 min  
Lab File: VV026127.D  
Acq: 11 Jun 2022 14:09

Tgt Ion: 78 Resp: 1904





#34

Trichloroethene

Concen: 3.521 ug/L

RT: 5.924 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV026127.D

Acq: 11 Jun 2022 14:09

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 95 Resp: 37117

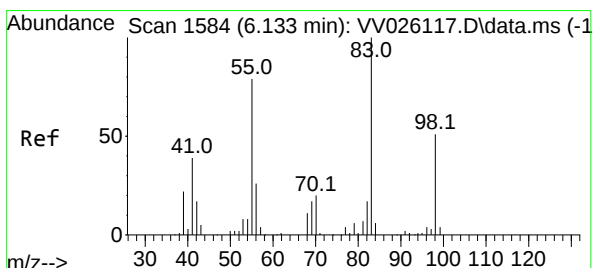
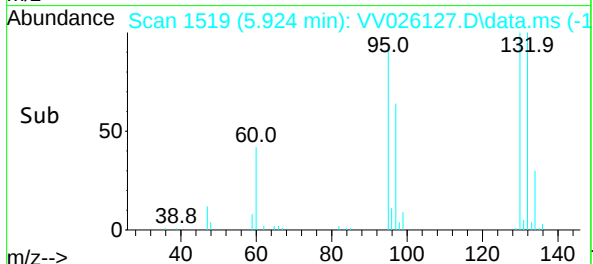
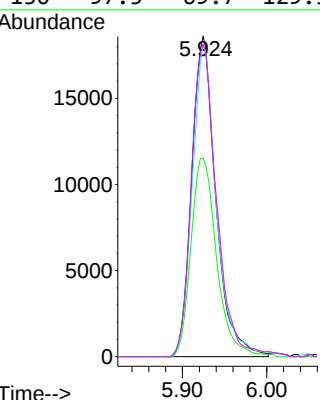
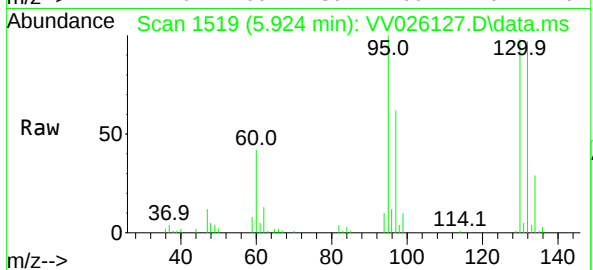
Ion Ratio Lower Upper

95 100

97 62.1 44.0 81.6

132 97.5 67.5 125.4

130 97.5 69.7 129.5



#35

Methylcyclohexane

Concen: 0.958 ug/L

RT: 6.079 min Scan# 1567

Delta R.T. -0.055 min

Lab File: VV026127.D

Acq: 11 Jun 2022 14:09

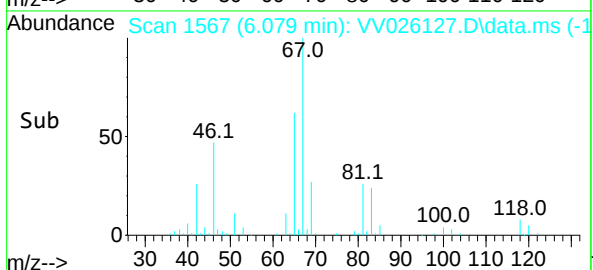
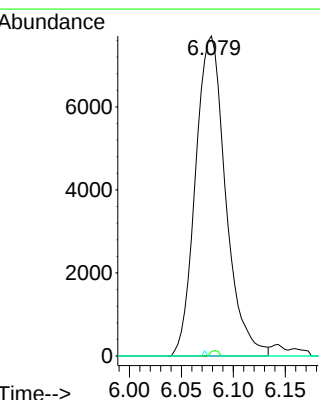
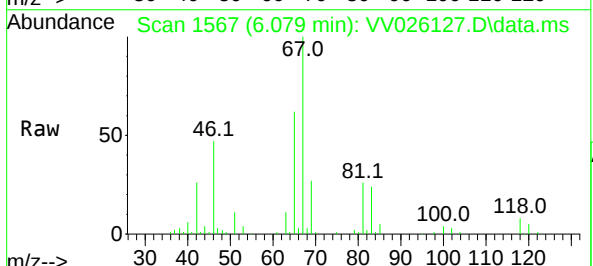
Tgt Ion: 83 Resp: 15563

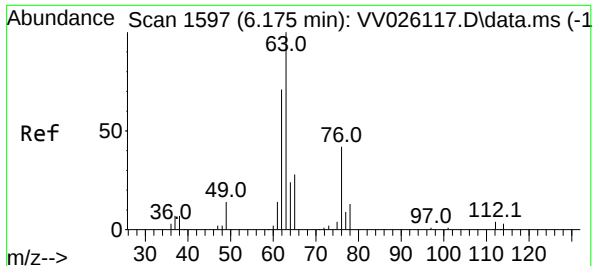
Ion Ratio Lower Upper

83 100

55 0.4 59.4 89.0#

98 0.0 38.9 58.3#





#37

1,2-Dichloropropane

Concen: 0.724 ug/L

RT: 6.076 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV026127.D

Acq: 11 Jun 2022 14:09

Instrument :

MSVOA\_V

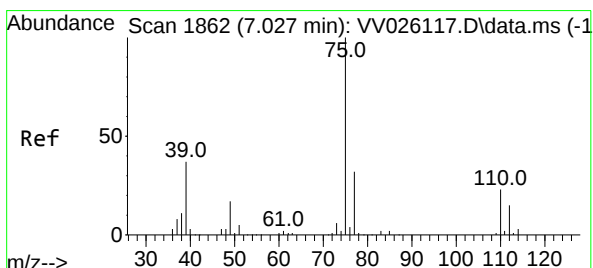
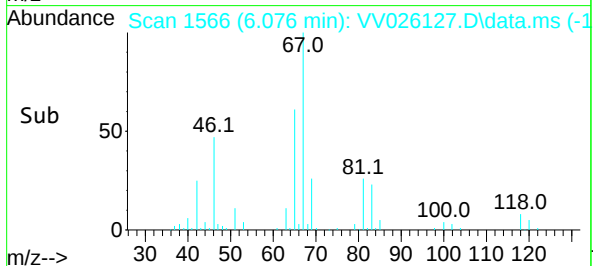
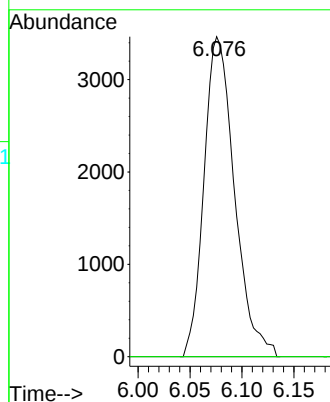
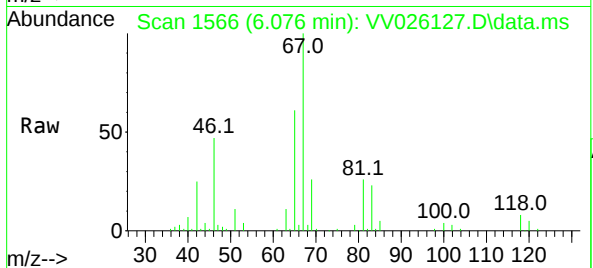
ClientSampleId :

Tgt Ion: 63 Resp: 7081

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.105 ug/L

RT: 6.995 min Scan# 1852

Delta R.T. -0.032 min

Lab File: VV026127.D

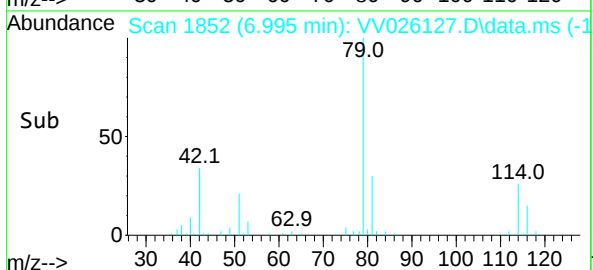
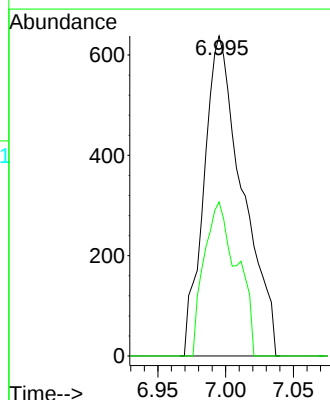
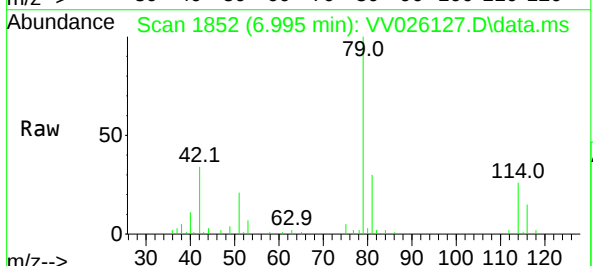
Acq: 11 Jun 2022 14:09

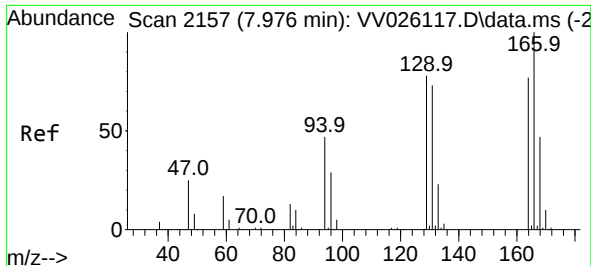
Tgt Ion: 75 Resp: 1266

Ion Ratio Lower Upper

75 100

77 48.1 23.2 43.0#





#47

Tetrachloroethene

Concen: 0.107 ug/L

RT: 7.986 min Scan# 2159

Delta R.T. 0.010 min

Lab File: VV026127.D

Acq: 11 Jun 2022 14:09

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion:164 Resp: 877

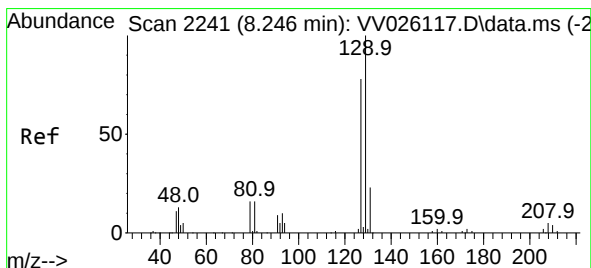
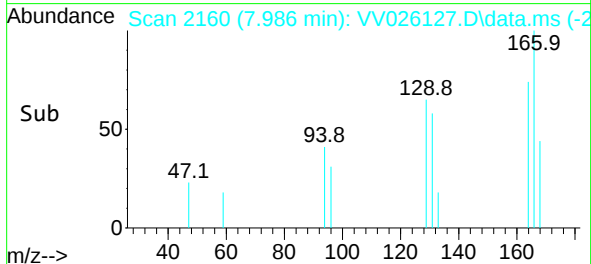
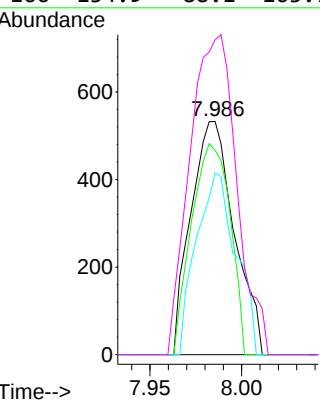
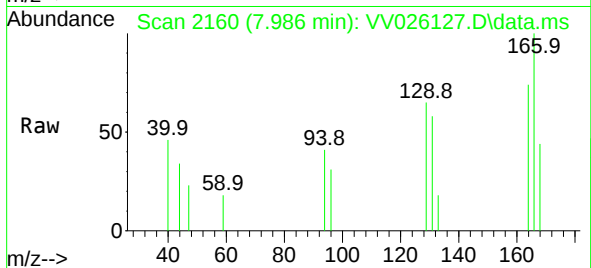
Ion Ratio Lower Upper

164 100

129 87.6 68.3 126.9

131 77.9 66.5 123.5

166 134.9 88.1 163.7



#49

Dibromochloromethane

Concen: 0.102 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. -0.264 min

Lab File: VV026127.D

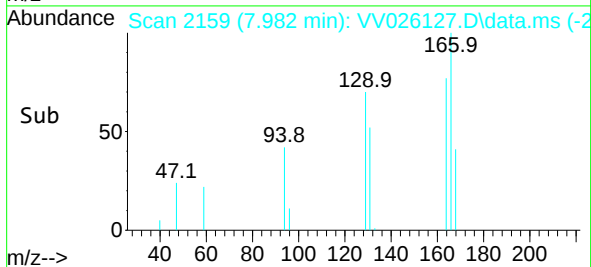
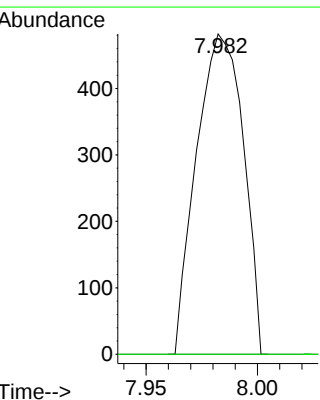
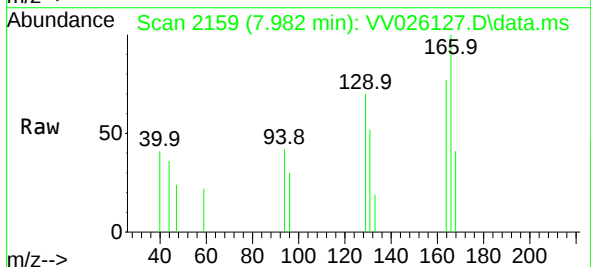
Acq: 11 Jun 2022 14:09

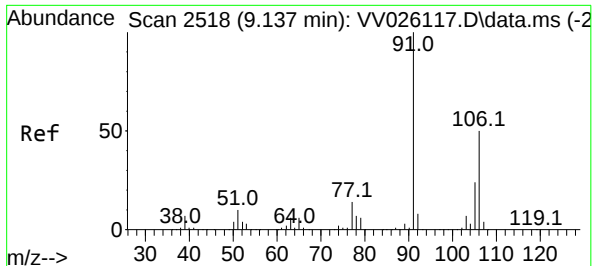
Tgt Ion:129 Resp: 705

Ion Ratio Lower Upper

129 100

127 0.0 55.9 103.7#

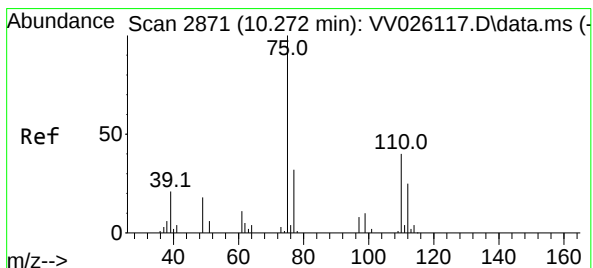
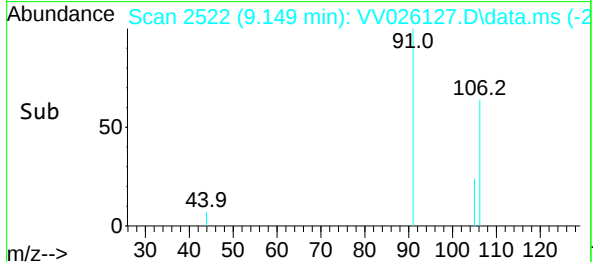
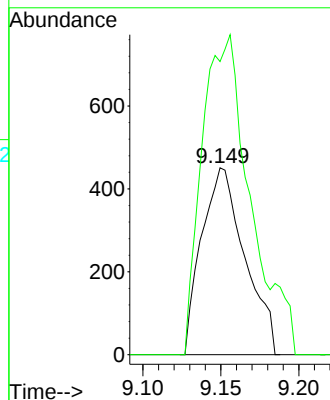
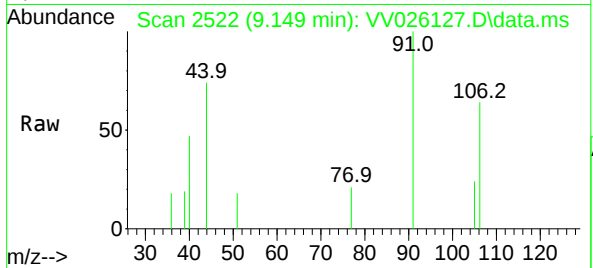




#53  
 m,p-Xylene  
 Concen: 0.051 ug/L  
 RT: 9.149 min Scan# 21  
 Delta R.T. 0.013 min  
 Lab File: VV026127.D  
 Acq: 11 Jun 2022 14:09

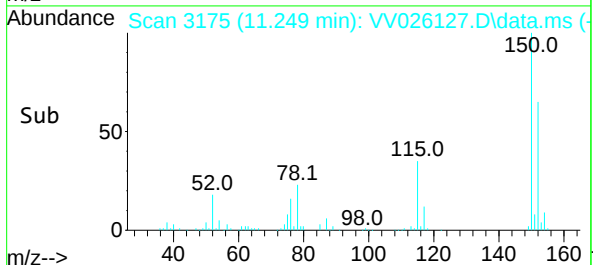
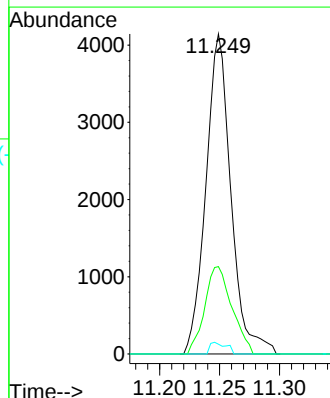
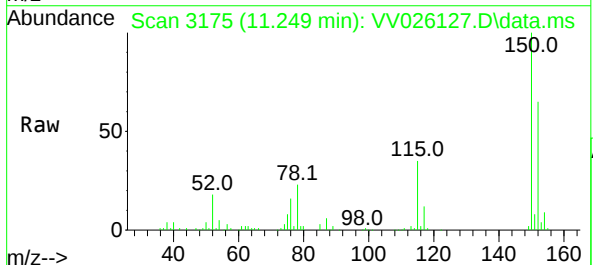
Instrument :  
 MSVOA\_V  
 ClientSampleId :

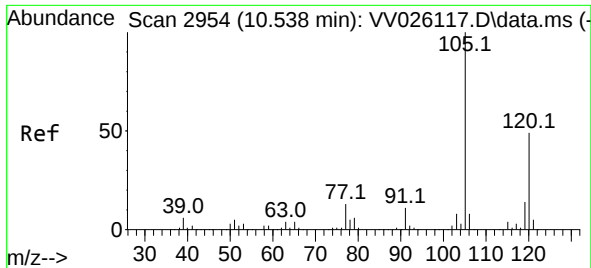
Tgt Ion:106 Resp: 869  
 Ion Ratio Lower Upper  
 106 100  
 91 156.8 140.4 260.8



#61  
 1,2,3-Trichloropropane  
 Concen: 1.534 ug/L  
 RT: 11.249 min Scan# 3175  
 Delta R.T. 0.978 min  
 Lab File: VV026127.D  
 Acq: 11 Jun 2022 14:09

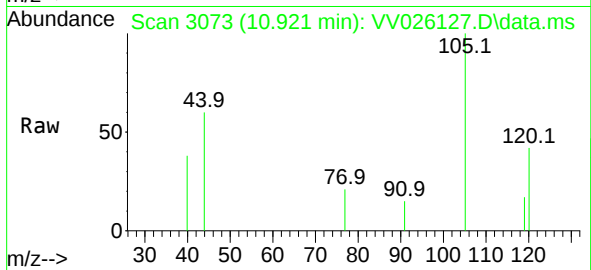
Tgt Ion: 75 Resp: 6006  
 Ion Ratio Lower Upper  
 75 100  
 77 29.7 26.6 40.0  
 110 2.3 32.0 48.0#





#62  
 1,3,5-Trimethylbenzene  
 Concen: 0.042 ug/L  
 RT: 10.921 min Scan# 30  
 Delta R.T. 0.383 min  
 Lab File: VV026127.D  
 Acq: 11 Jun 2022 14:09

Instrument :  
 MSVOA\_V  
 ClientSampleId :



Tgt Ion:105 Resp: 1116  
 Ion Ratio Lower Upper  
 105 100  
 120 47.1 38.8 58.2

