

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW111021\  
 Data File : VW023377.D  
 Acq On : 11 Nov 2021 10:43  
 Operator : SY/MD  
 Sample : M4558-08DL 100X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 64 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 12 00:28:10 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR110421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 11 08:19:32 2021  
 Response via : Initial Calibration

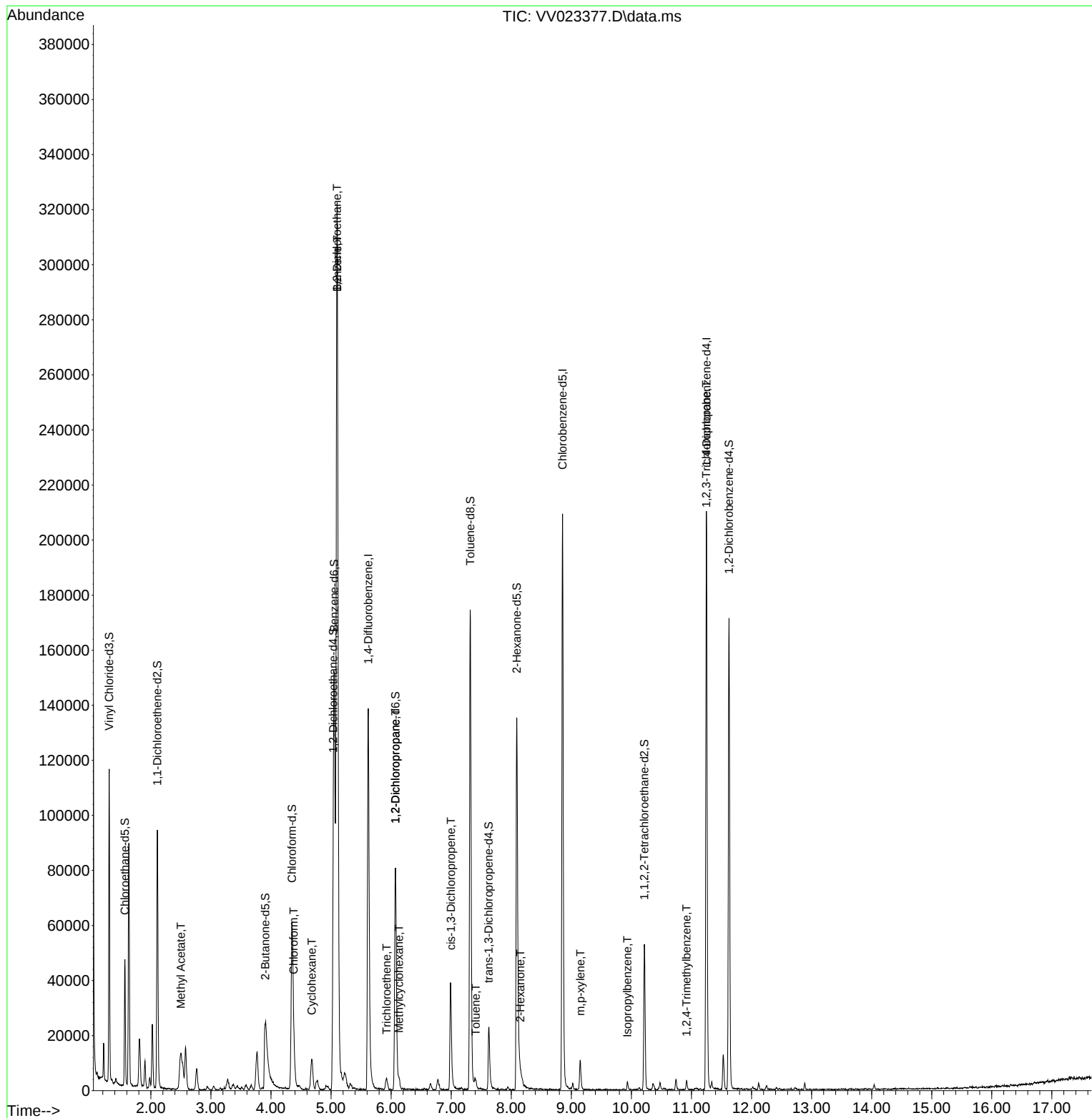
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 121025   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 115373   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 56163    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 33732    | 4.449    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 89.000%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 27964    | 4.525    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 90.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 48564    | 3.422    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 68.400%  |
| 20) 2-Butanone-d5             | 3.905  | 46    | 59273    | 45.378   | ug/L   | 0.02     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 90.760%  |
| 24) Chloroform-d              | 4.352  | 84    | 61085    | 3.781    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 75.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.037  | 65    | 32002    | 4.404    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 88.000%  |
| 32) Benzene-d6                | 5.053  | 84    | 133375   | 4.506    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 39184    | 4.497    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 90.000%  |
| 41) Toluene-d8                | 7.317  | 98    | 117078   | 4.221    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 84.400%  |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 14251    | 4.313    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 86.200%  |
| 46) 2-Hexanone-d5             | 8.092  | 63    | 47206    | 38.830   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 77.660%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 24984    | 3.987    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 79.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 45130    | 4.826    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 96.600%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 15) Methyl Acetate            | 2.500  | 43    | 5841     | 2.586    | ug/L # | 48       |
| 25) Chloroform                | 4.378  | 83    | 8189     | 0.513    | ug/L   | 89       |
| 27) 1,2-Dichloroethane        | 5.098  | 62    | 2186     | 0.257    | ug/L # | 72       |
| 30) Cyclohexane               | 4.680  | 56    | 5518     | 0.439    | ug/L   | 97       |
| 33) Benzene                   | 5.101  | 78    | 328275   | 10.180   | ug/L   | 100      |
| 34) Trichloroethene           | 5.928  | 95    | 816      | 0.095    | ug/L # | 80       |
| 35) Methylcyclohexane         | 6.133  | 83    | 1097     | 0.081    | ug/L # | 71       |
| 37) 1,2-Dichloropropane       | 6.072  | 63    | 4416     | 0.587    | ug/L # | 83       |
| 39) cis-1,3-Dichloropropene   | 6.995  | 75    | 1154     | 0.107    | ug/L   | 90       |
| 42) Toluene                   | 7.410  | 91    | 2811     | 0.081    | ug/L   | 97       |
| 48) 2-Hexanone                | 8.149  | 43    | 3630     | 1.484    | ug/L # | 39       |
| 53) m,p-xylene                | 9.149  | 106   | 3499     | 0.245    | ug/L   | 87       |
| 60) Isopropylbenzene          | 9.934  | 105   | 2042     | 0.063    | ug/L   | 95       |
| 61) 1,2,3-Trichloropropane    | 11.246 | 75    | 5840     | 1.565    | ug/L # | 65       |
| 63) 1,2,4-Trimethylbenzene    | 10.918 | 105   | 1745     | 0.066    | ug/L   | 94       |
| -----                         |        |       |          |          |        |          |

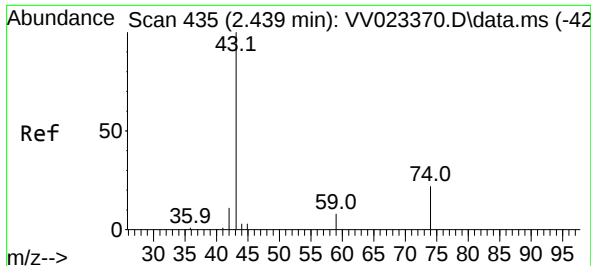
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV111021\  
Data File : VV023377.D  
Acq On : 11 Nov 2021 10:43  
Operator : SY/MD  
Sample : M4558-08DL 100X  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 64 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Nov 12 00:28:10 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR110421WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Nov 11 08:19:32 2021  
Response via : Initial Calibration

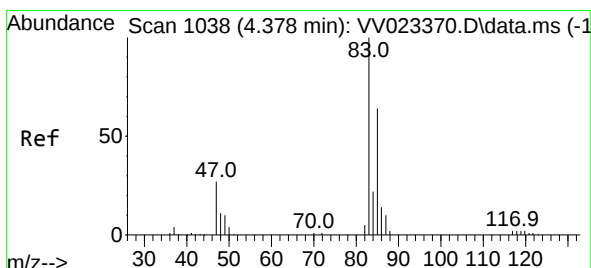
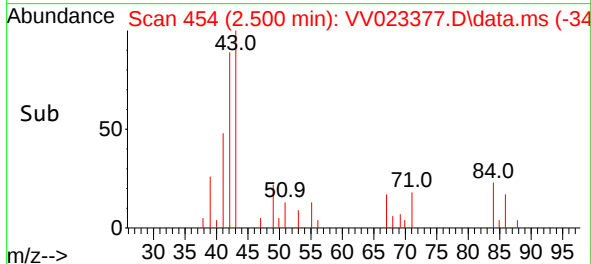
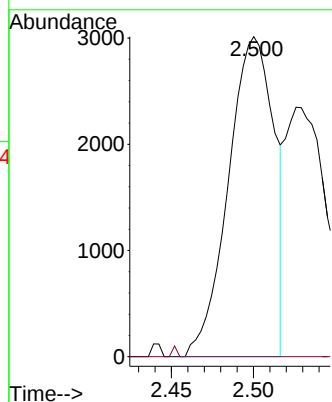
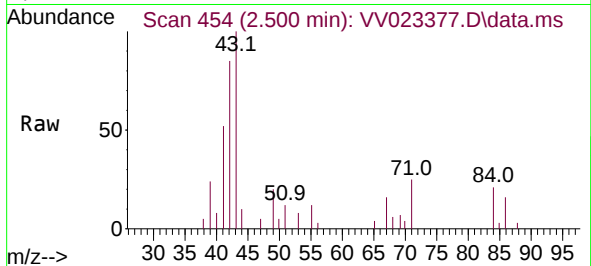




#15  
Methyl Acetate  
Concen: 2.586 ug/L  
RT: 2.500 min Scan# 41  
Delta R.T. 0.061 min  
Lab File: VV023377.D  
Acq: 11 Nov 2021 10:43

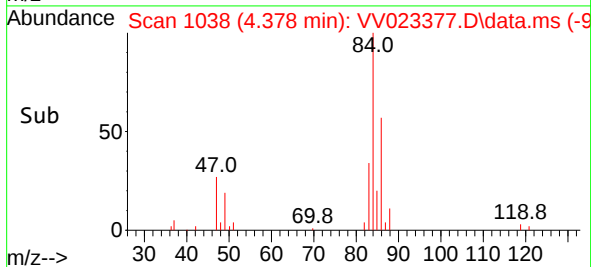
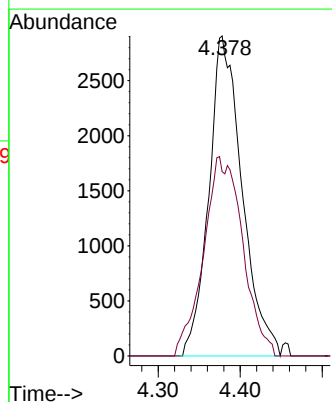
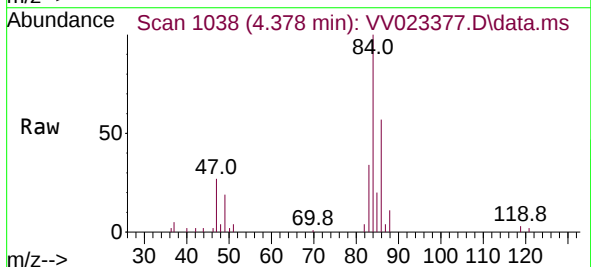
Instrument :  
MSVOA\_V  
ClientSampleId :

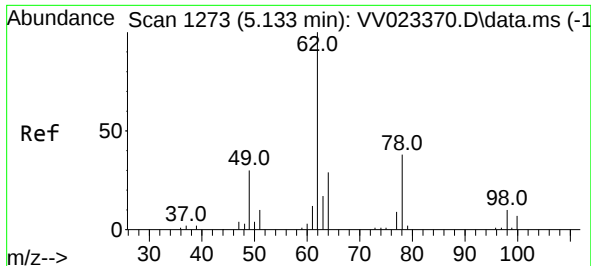
Tgt Ion: 43 Resp: 5841  
Ion Ratio Lower Upper  
43 100  
74 0.3 22.2 33.2#



#25  
Chloroform  
Concen: 0.513 ug/L  
RT: 4.378 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VV023377.D  
Acq: 11 Nov 2021 10:43

Tgt Ion: 83 Resp: 8189  
Ion Ratio Lower Upper  
83 100  
85 57.6 46.8 86.8





#27

1,2-Dichloroethane

Concen: 0.257 ug/L

RT: 5.098 min Scan# 1126

Delta R.T. -0.035 min

Lab File: VV023377.D

Acq: 11 Nov 2021 10:43

Instrument :

MSVOA\_V

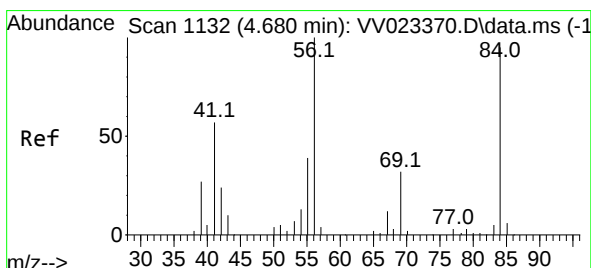
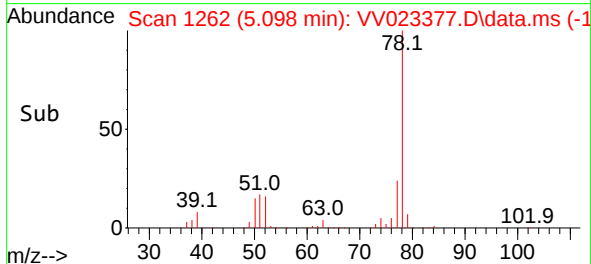
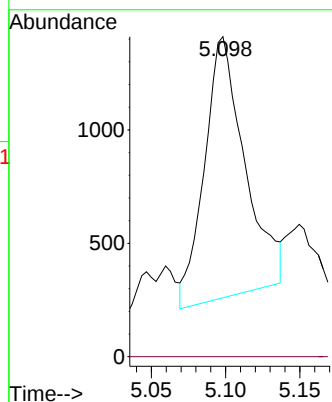
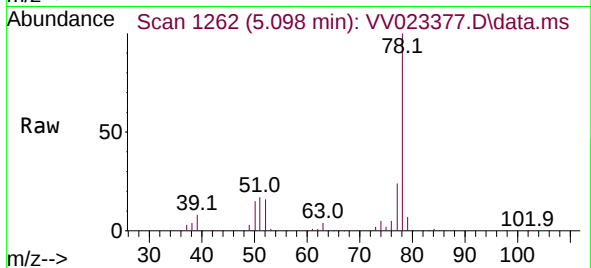
ClientSampleId :

Tgt Ion: 62 Resp: 2186

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#30

Cyclohexane

Concen: 0.439 ug/L

RT: 4.680 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VV023377.D

Acq: 11 Nov 2021 10:43

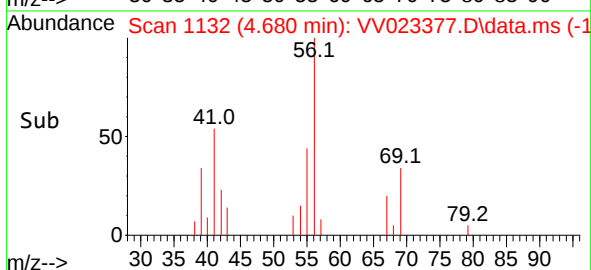
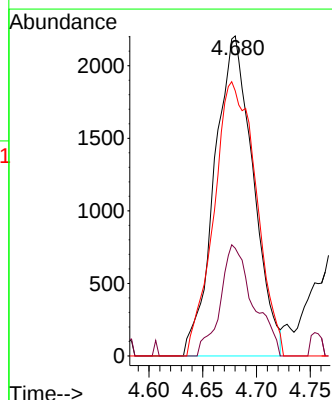
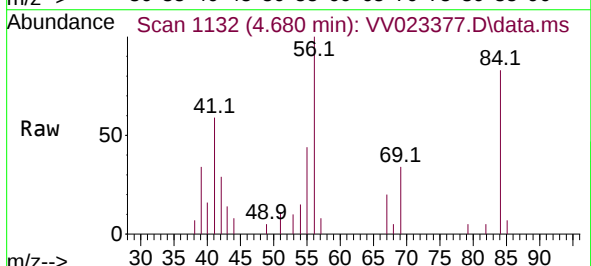
Tgt Ion: 56 Resp: 5518

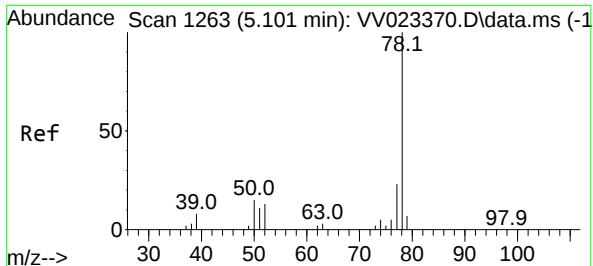
Ion Ratio Lower Upper

56 100

69 29.5 23.5 35.3

84 93.4 71.6 107.4

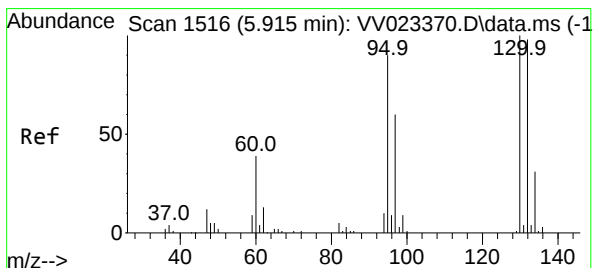
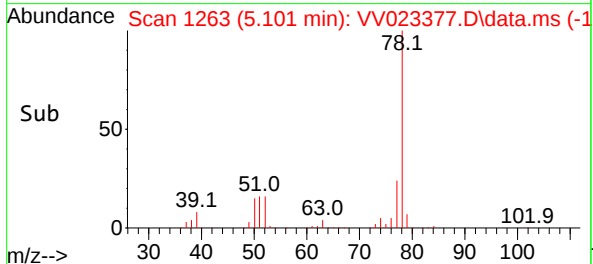
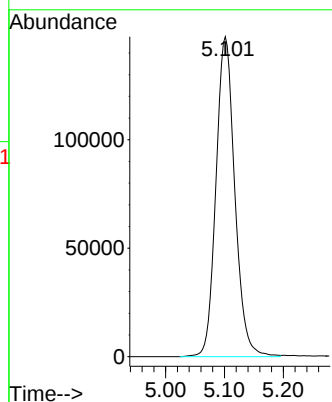
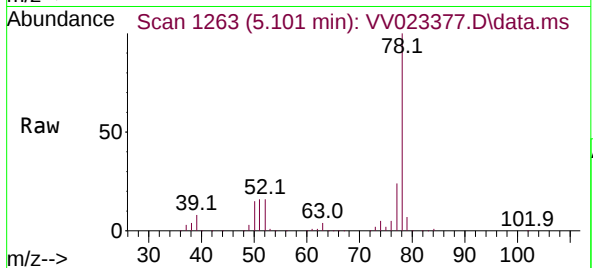




#33  
Benzene  
Concen: 10.180 ug/L  
RT: 5.101 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV023377.D  
Acq: 11 Nov 2021 10:43

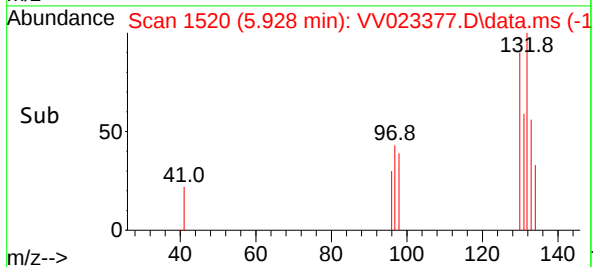
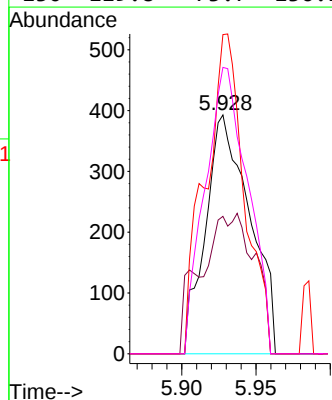
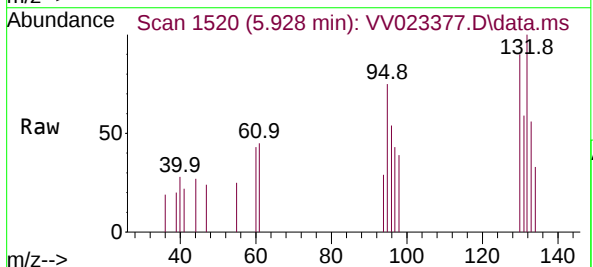
Instrument :  
MSVOA\_V  
ClientSampleId :

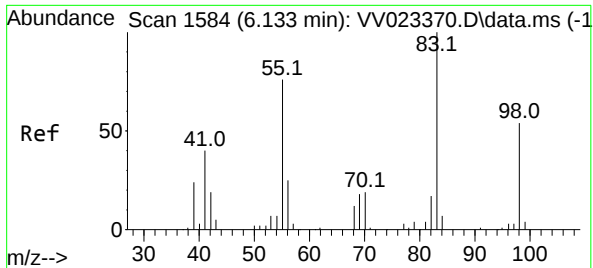
Tgt Ion: 78 Resp: 328275



#34  
Trichloroethene  
Concen: 0.095 ug/L  
RT: 5.928 min Scan# 1520  
Delta R.T. 0.013 min  
Lab File: VV023377.D  
Acq: 11 Nov 2021 10:43

Tgt Ion: 95 Resp: 816  
Ion Ratio Lower Upper  
95 100  
97 57.5 45.0 83.6  
132 133.6 69.7 129.4#  
130 119.8 73.7 136.9

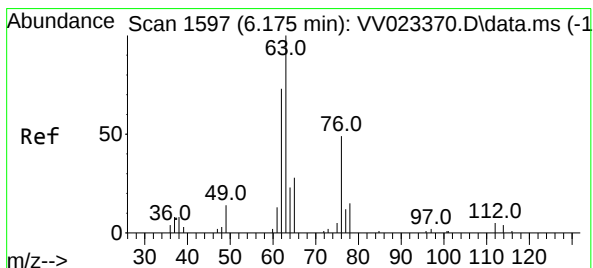
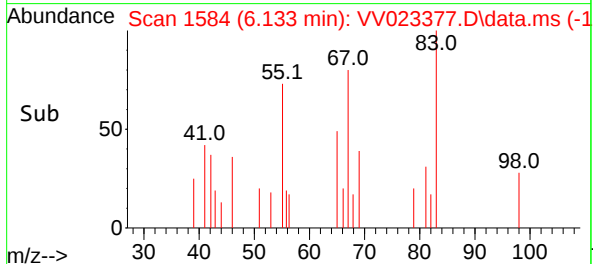
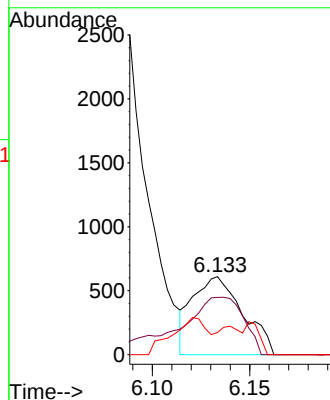
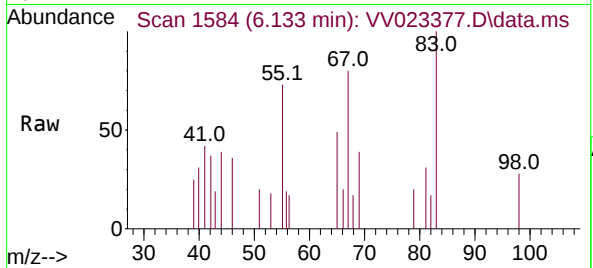




#35  
Methylcyclohexane  
Concen: 0.081 ug/L  
RT: 6.133 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV023377.D  
Acq: 11 Nov 2021 10:43

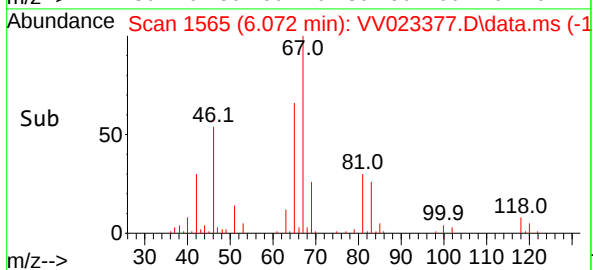
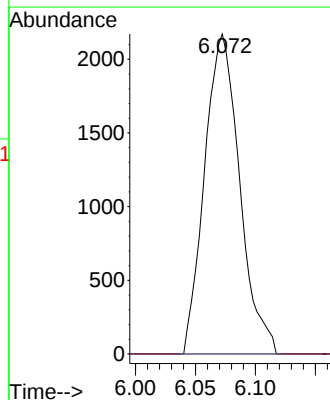
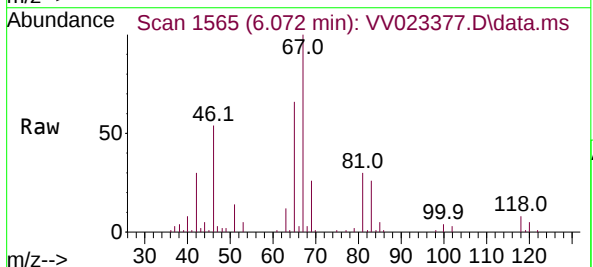
Instrument :  
MSVOA\_V  
ClientSampleId :

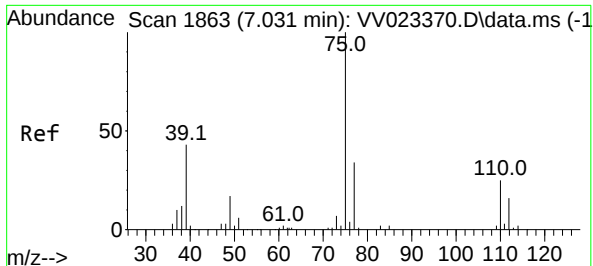
Tgt Ion: 83 Resp: 1097  
Ion Ratio Lower Upper  
83 100  
55 95.5 62.8 94.2#  
98 17.1 37.9 56.9#



#37  
1,2-Dichloropropane  
Concen: 0.587 ug/L  
RT: 6.072 min Scan# 1565  
Delta R.T. -0.103 min  
Lab File: VV023377.D  
Acq: 11 Nov 2021 10:43

Tgt Ion: 63 Resp: 4416  
Ion Ratio Lower Upper  
63 100  
112 0.0 4.6 6.8#





#39

cis-1,3-Dichloropropene

Concen: 0.107 ug/L

RT: 6.995 min Scan# 11

Delta R.T. -0.035 min

Lab File: VV023377.D

Acq: 11 Nov 2021 10:43

Instrument :

MSVOA\_V

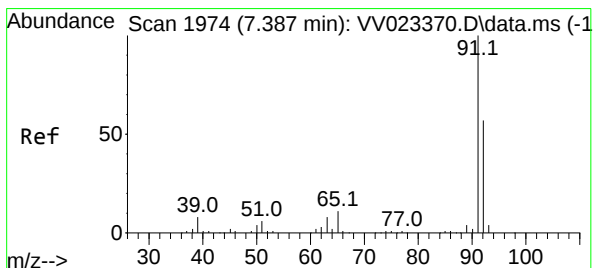
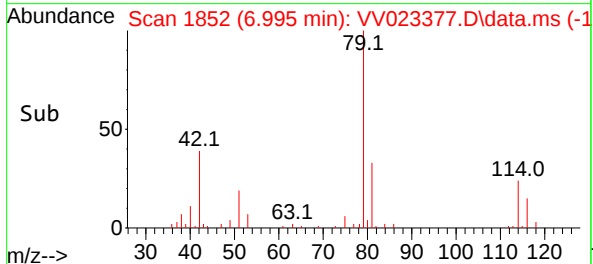
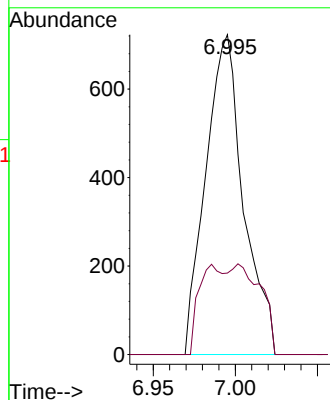
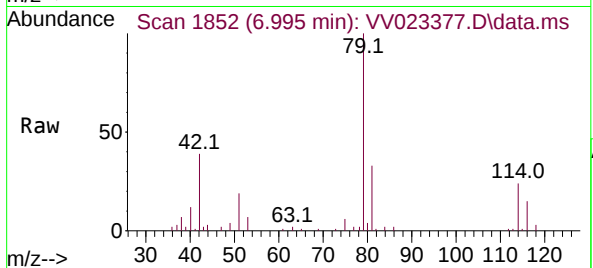
ClientSampleId :

Tgt Ion: 75 Resp: 1154

Ion Ratio Lower Upper

75 100

77 25.4 21.6 40.2



#42

Toluene

Concen: 0.081 ug/L

RT: 7.410 min Scan# 1981

Delta R.T. 0.023 min

Lab File: VV023377.D

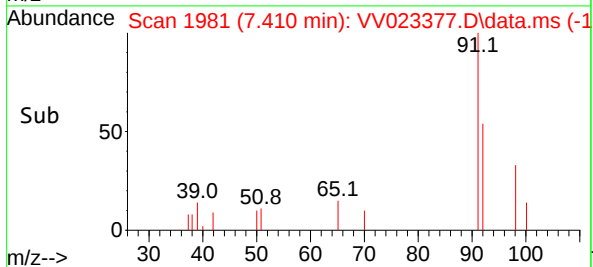
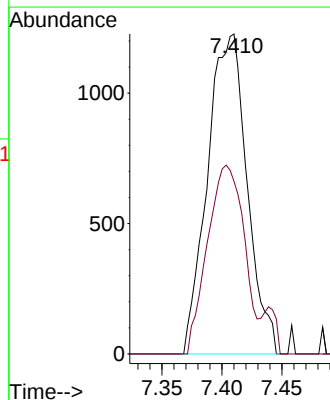
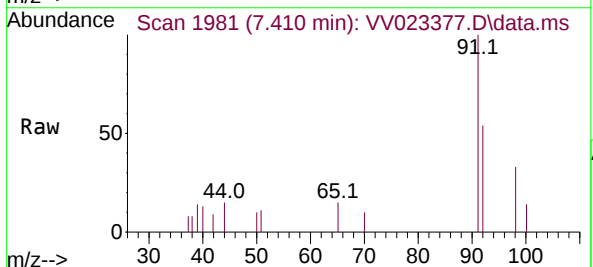
Acq: 11 Nov 2021 10:43

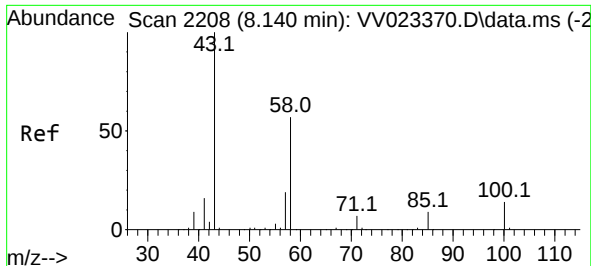
Tgt Ion: 91 Resp: 2811

Ion Ratio Lower Upper

91 100

92 54.0 39.3 72.9

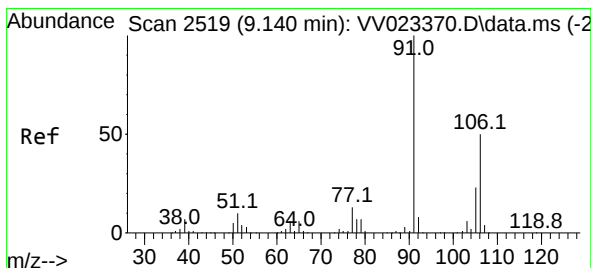
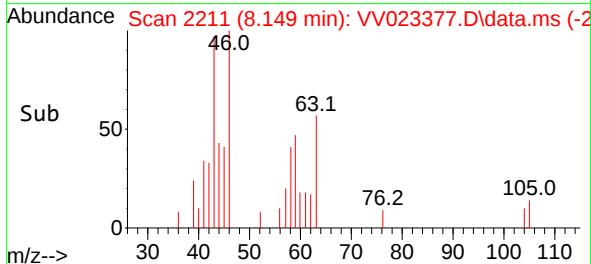
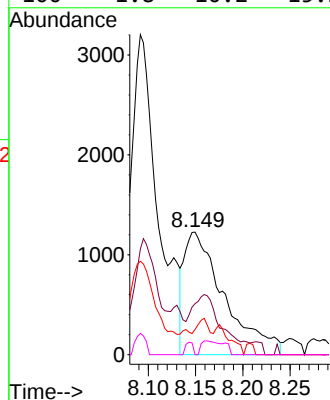
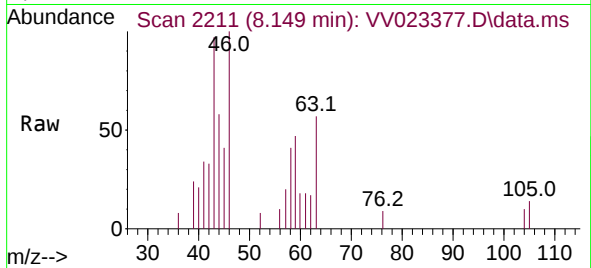




#48  
2-Hexanone  
Concen: 1.484 ug/L  
RT: 8.149 min Scan# 2111  
Delta R.T. 0.010 min  
Lab File: VV023377.D  
Acq: 11 Nov 2021 10:43

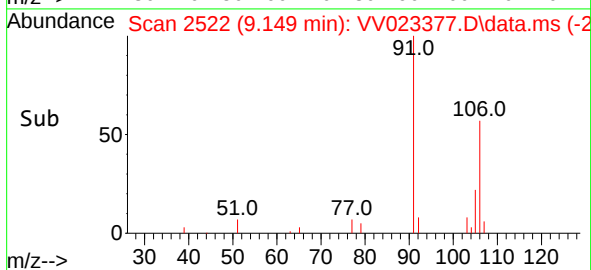
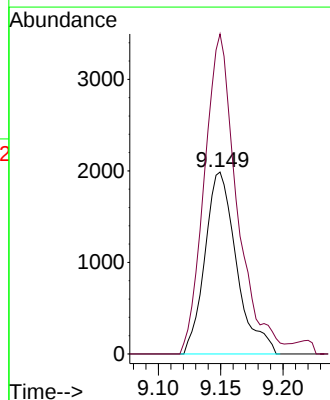
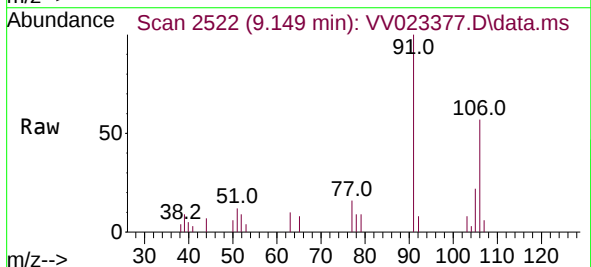
Instrument :  
MSVOA\_V  
ClientSampleId :

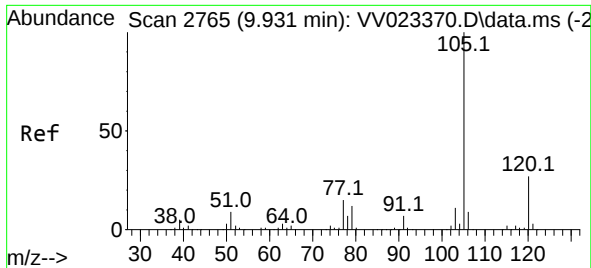
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|-------------|----------------|
| Tgt Ion: 43 | Resp: 3630     |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 58          | 0.0 43.7 65.5# |
| 57          | 0.0 14.1 21.1# |
| 100         | 1.8 10.2 15.2# |



#53  
m,p-xylene  
Concen: 0.245 ug/L  
RT: 9.149 min Scan# 2522  
Delta R.T. 0.010 min  
Lab File: VV023377.D  
Acq: 11 Nov 2021 10:43

|              |                   |
|--------------|-------------------|
| Tgt Ion: 106 | Resp: 3499        |
| Ion Ratio    | Lower Upper       |
| 106          | 100               |
| 91           | 175.9 137.2 254.8 |

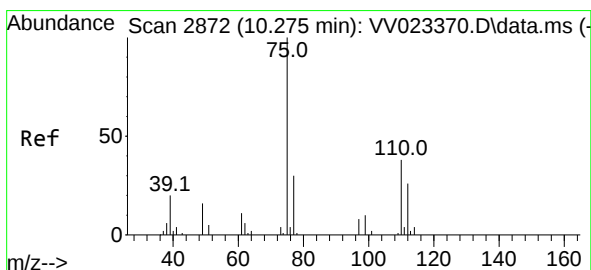
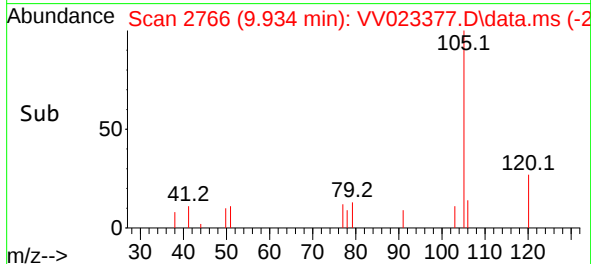
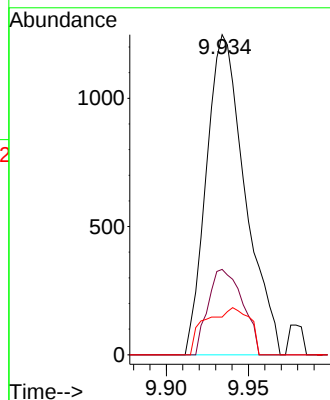
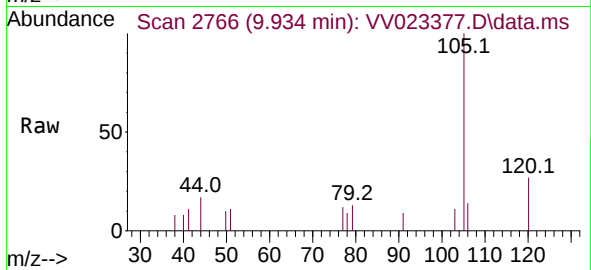




#60  
Isopropylbenzene  
Concen: 0.063 ug/L  
RT: 9.934 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV023377.D  
Acq: 11 Nov 2021 10:43

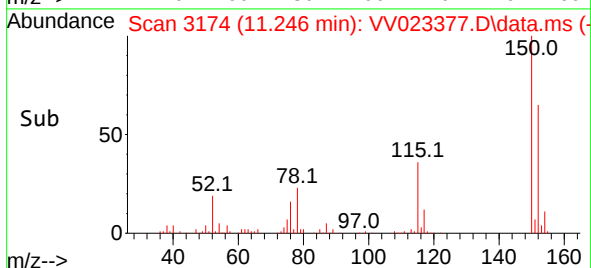
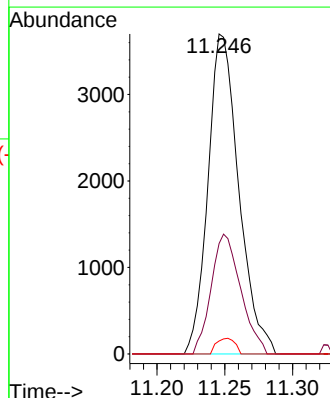
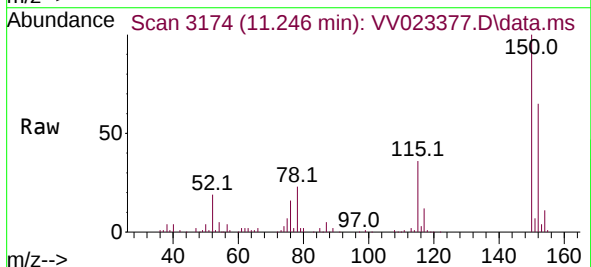
Instrument :  
MSVOA\_V  
ClientSampleId :

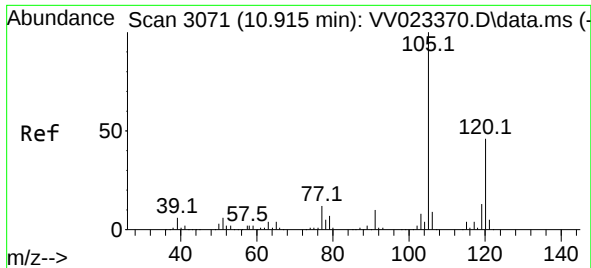
Tgt Ion:105 Resp: 2042  
Ion Ratio Lower Upper  
105 100  
120 23.7 21.7 32.5  
77 16.8 12.6 19.0



#61  
1,2,3-Trichloropropane  
Concen: 1.565 ug/L  
RT: 11.246 min Scan# 3174  
Delta R.T. 0.971 min  
Lab File: VV023377.D  
Acq: 11 Nov 2021 10:43

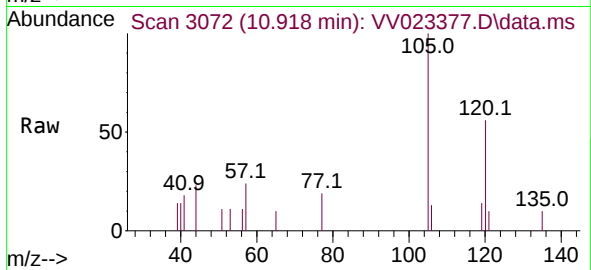
Tgt Ion: 75 Resp: 5840  
Ion Ratio Lower Upper  
75 100  
77 36.0 26.6 39.8  
110 2.9 31.8 47.6#





#63  
 1,2,4-Trimethylbenzene  
 Concen: 0.066 ug/L  
 RT: 10.918 min Scan# 3072  
 Delta R.T. 0.003 min  
 Lab File: VV023377.D  
 Acq: 11 Nov 2021 10:43

Instrument :  
 MSVOA\_V  
 ClientSampleId :



Tgt Ion:105 Resp: 1745  
 Ion Ratio Lower Upper  
 105 100  
 120 50.5 37.4 56.2

