

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU031522\  
 Data File : VU047578.D  
 Acq On : 15 Mar 2022 15:32  
 Operator : SY/MD  
 Sample : N1858-03  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

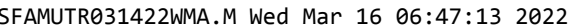
Instrument :  
 MSVOA\_U  
 ClientSampleId :

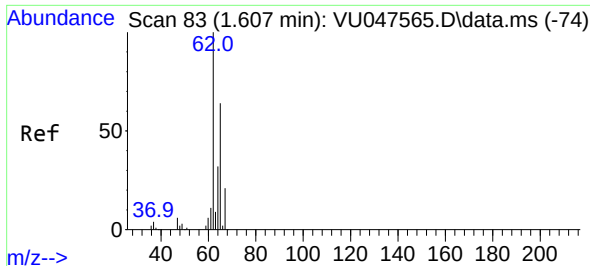
Quant Time: Mar 16 06:47:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR031422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Mar 16 06:43:54 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.253  | 114            | 122523   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117            | 126333   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152            | 63382    | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65             | 29220    | 3.647  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 73.000%  |          |
| 7) Chloroethane-d5            | 1.919  | 69             | 31585    | 4.343  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 86.800%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.572  | 65             | 12410    | 3.303  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 66.000%  |          |
| 20) 2-Butanone-d5             | 4.645  | 46             | 137342   | 59.570 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 119.140% |          |
| 24) Chloroform-d              | 5.067  | 84             | 77512    | 4.405  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 88.200%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.707  | 65             | 45893    | 4.814  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 96.200%  |          |
| 32) Benzene-d6                | 5.732  | 84             | 142072   | 3.863  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 77.200%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67             | 47772    | 4.131  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 82.600%  |          |
| 41) Toluene-d8                | 7.899  | 98             | 117883   | 3.419  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 68.400%# |          |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79             | 18970    | 3.902  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 78.000%  |          |
| 46) 2-Hexanone-d5             | 8.639  | 63             | 119896   | 47.570 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 95.140%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84             | 51418    | 4.452  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 89.000%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152            | 57925    | 4.374  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 87.400%  |          |
| Target Compounds              |        |                |          |        |          |          |
| 5) Vinyl chloride             | 1.607  | 62             | 58235    | 7.638  | ug/L     | 99       |
| 8) Chloroethane               | 1.945  | 64             | 1134     | 0.246  | ug/L #   | 43       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575  | 101            | 297      | 0.047  | ug/L #   | 18       |
| 18) trans-1,2-Dichloroethene  | 3.356  | 96             | 1542     | 0.235  | ug/L     | 86       |
| 22) cis-1,2-Dichloroethene    | 4.671  | 96             | 63474    | 8.719  | ug/L     | 99       |
| 33) Benzene                   | 5.777  | 78             | 19755    | 0.692  | ug/L     | 100      |
| 35) Methylcyclohexane         | 6.764  | 83             | 3036     | 0.279  | ug/L     | 90       |
| 37) 1,2-Dichloropropane       | 6.694  | 63             | 5059     | 0.692  | ug/L #   | 87       |
| 39) cis-1,3-Dichloropropene   | 7.568  | 75             | 1072     | 0.094  | ug/L #   | 75       |
| 53) m,p-Xylene                | 9.694  | 106            | 1220     | 0.096  | ug/L     | 97       |
| 60) Isopropylbenzene          | 10.996 | 105            | 2092     | 0.073  | ug/L     | 94       |
| 61) 1,2,3-Trichloropropane    | 11.812 | 75             | 6600     | 1.241  | ug/L #   | 67       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105            | 4536     | 0.248  | ug/L     | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105            | 4373     | 0.184  | ug/L     | 91       |

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

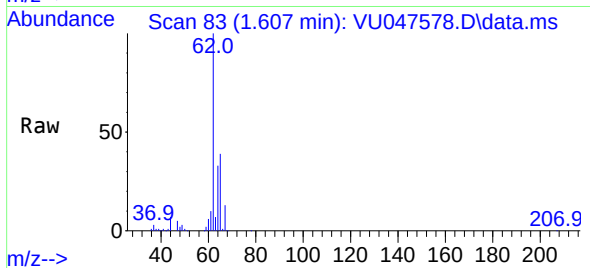
Quant Time: Mar 16 06:47:03 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR031422WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Mar 16 06:43:54 2022  
Response via : Initial Calibration



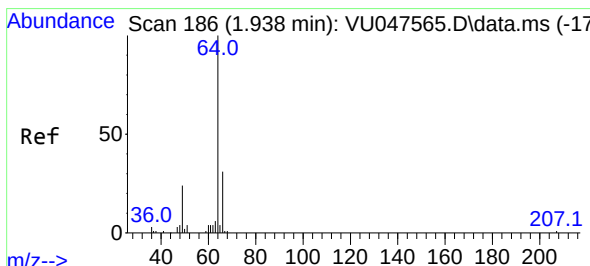
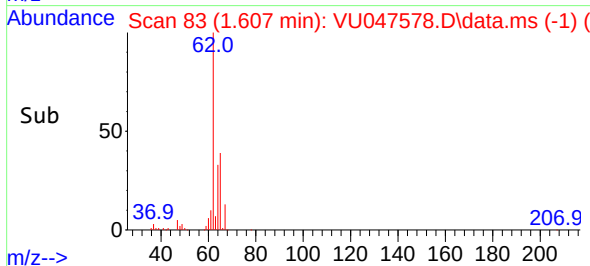
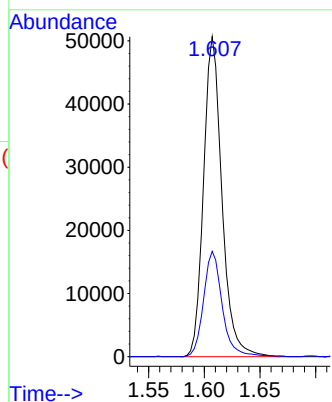


#5  
 Vinyl chloride  
 Concen: 7.638 ug/L  
 RT: 1.607 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: VU047578.D  
 Acq: 15 Mar 2022 15:32

Instrument :  
 MSVOA\_U  
 ClientSampleId :

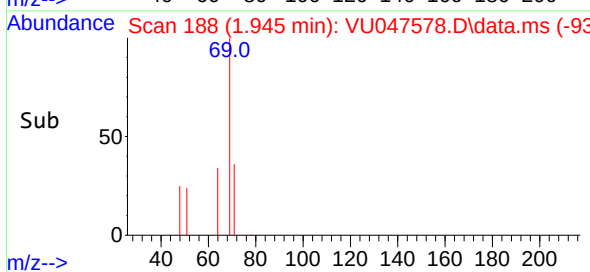
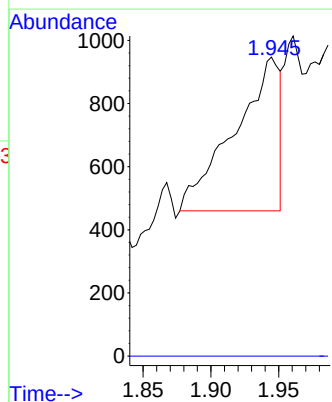
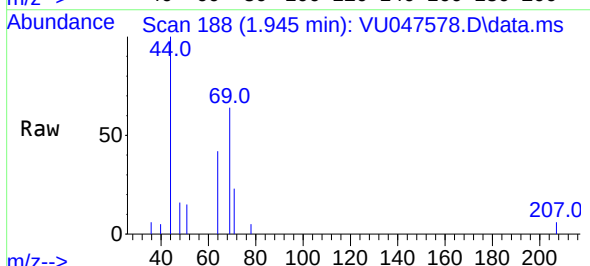


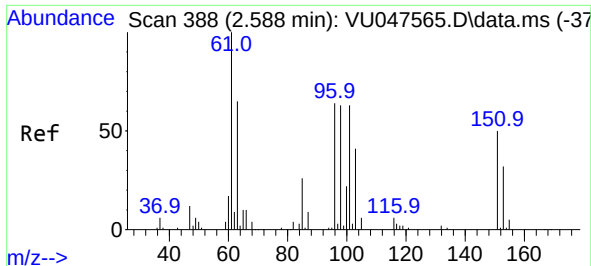
Tgt Ion: 62 Resp: 58235  
 Ion Ratio Lower Upper  
 62 100  
 64 32.9 23.5 43.7



#8  
 Chloroethane  
 Concen: 0.246 ug/L  
 RT: 1.945 min Scan# 188  
 Delta R.T. 0.006 min  
 Lab File: VU047578.D  
 Acq: 15 Mar 2022 15:32

Tgt Ion: 64 Resp: 1134  
 Ion Ratio Lower Upper  
 64 100  
 66 0.0 22.0 40.8#

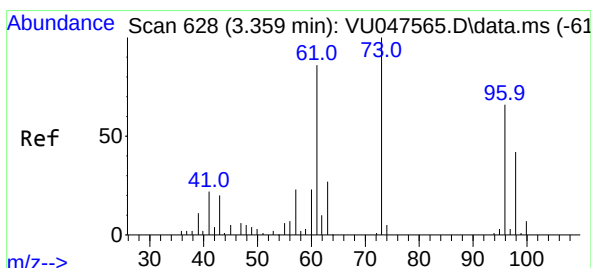
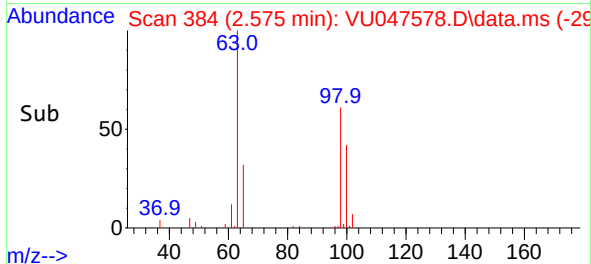
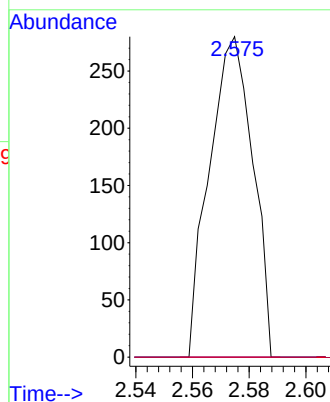
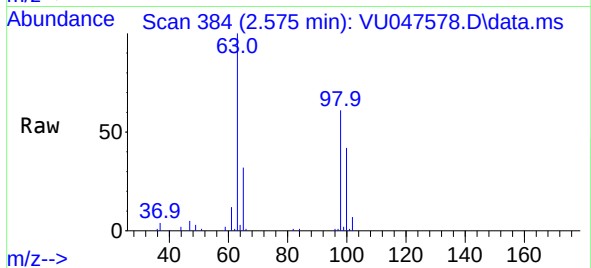




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.047 ug/L  
RT: 2.575 min Scan# 31  
Delta R.T. -0.013 min  
Lab File: VU047578.D  
Acq: 15 Mar 2022 15:32

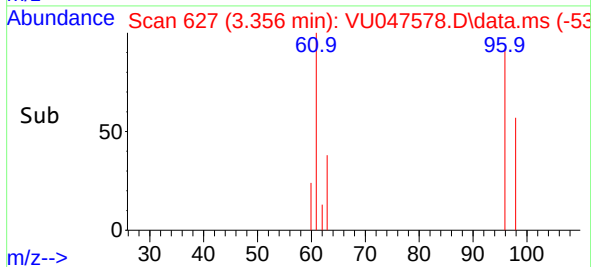
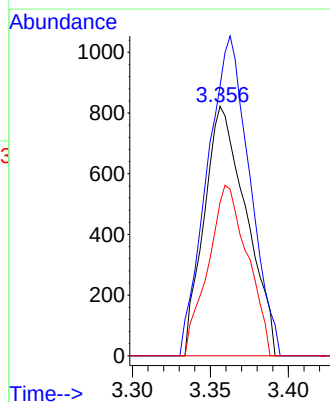
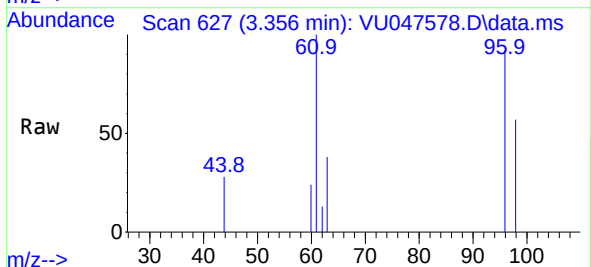
Instrument :  
MSVOA\_U  
ClientSampleId :

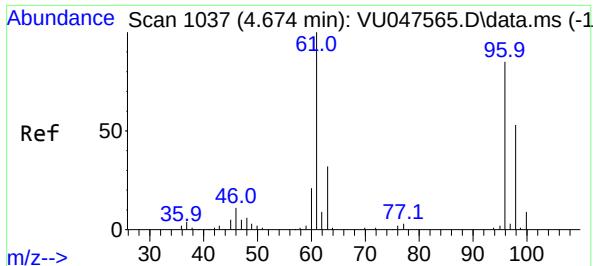
Tgt Ion:101 Resp: 297  
Ion Ratio Lower Upper  
101 100  
85 0.0 34.0 51.0#  
151 0.0 63.8 95.6#



#18  
trans-1,2-Dichloroethene  
Concen: 0.235 ug/L  
RT: 3.356 min Scan# 627  
Delta R.T. -0.003 min  
Lab File: VU047578.D  
Acq: 15 Mar 2022 15:32

Tgt Ion: 96 Resp: 1542  
Ion Ratio Lower Upper  
96 100  
61 108.2 91.7 170.3  
98 61.4 45.1 83.7





#22

cis-1,2-Dichloroethene

Concen: 8.719 ug/L

RT: 4.671 min Scan# 1037

Delta R.T. -0.003 min

Lab File: VU047578.D

Acq: 15 Mar 2022 15:32

Instrument :

MSVOA\_U

ClientSampleId :

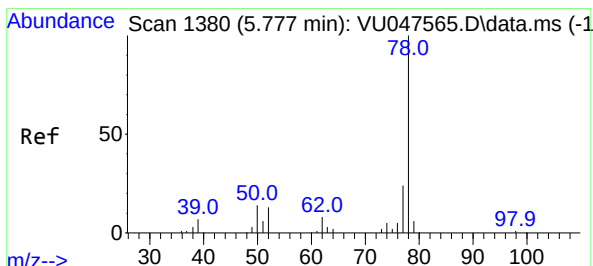
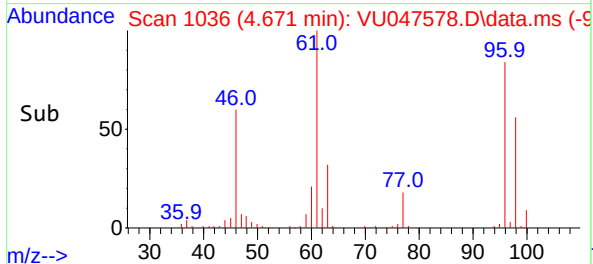
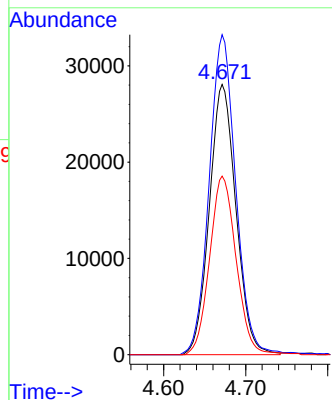
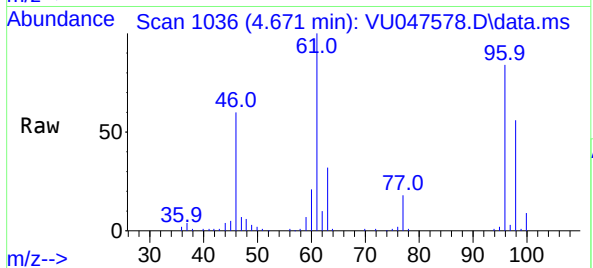
Tgt Ion: 96 Resp: 63474

Ion Ratio Lower Upper

96 100

61 118.4 83.9 155.7

98 66.1 46.4 86.2



#33

Benzene

Concen: 0.692 ug/L

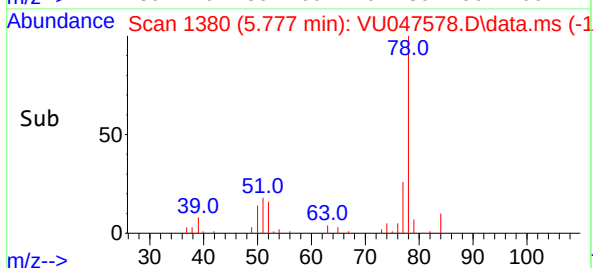
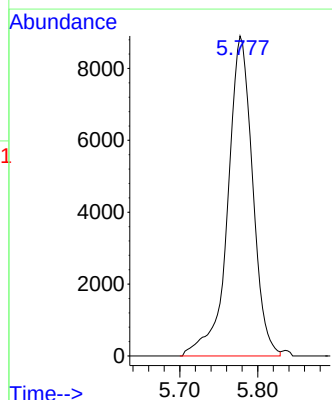
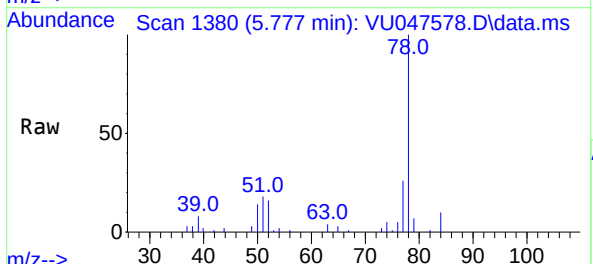
RT: 5.777 min Scan# 1380

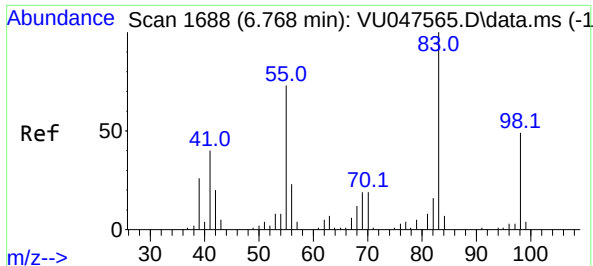
Delta R.T. 0.000 min

Lab File: VU047578.D

Acq: 15 Mar 2022 15:32

Tgt Ion: 78 Resp: 19755





#35

Methylcyclohexane

Concen: 0.279 ug/L

RT: 6.764 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU047578.D

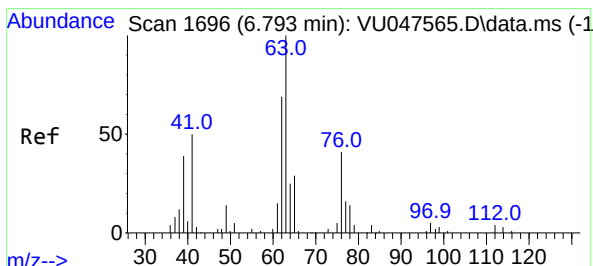
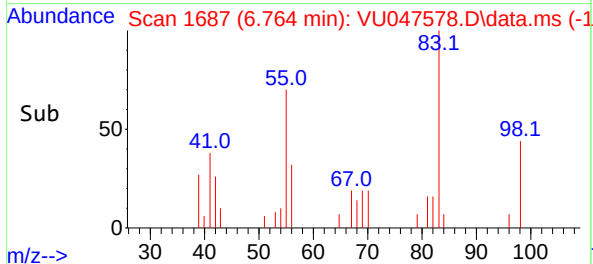
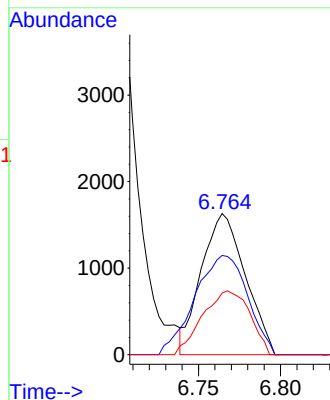
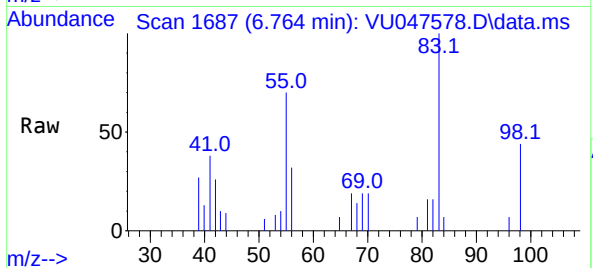
Acq: 15 Mar 2022 15:32

Instrument :

MSVOA\_U

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 83 | Resp: 3036     |
| Ion Ratio   | Lower Upper    |
| 83          | 100            |
| 55          | 84.3 57.3 85.9 |
| 98          | 48.6 37.5 56.3 |



#37

1,2-Dichloropropane

Concen: 0.692 ug/L

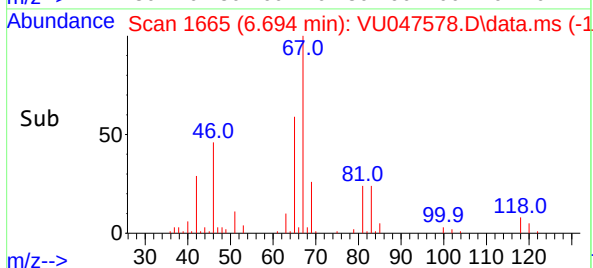
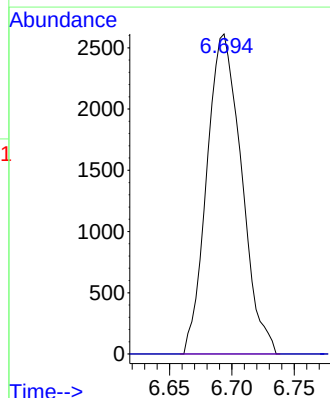
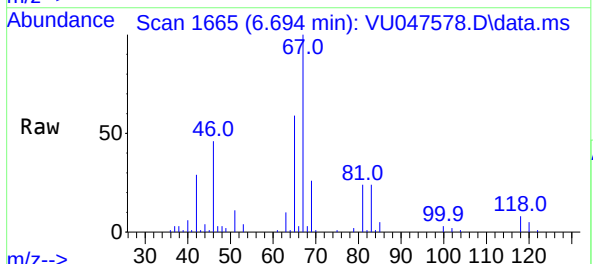
RT: 6.694 min Scan# 1665

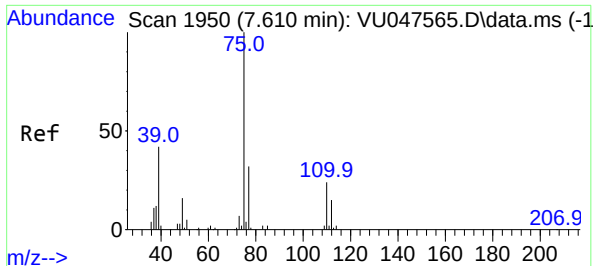
Delta R.T. -0.100 min

Lab File: VU047578.D

Acq: 15 Mar 2022 15:32

|             |              |
|-------------|--------------|
| Tgt Ion: 63 | Resp: 5059   |
| Ion Ratio   | Lower Upper  |
| 63          | 100          |
| 112         | 0.0 3.4 5.0# |





#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU047578.D

Acq: 15 Mar 2022 15:32

Instrument :

MSVOA\_U

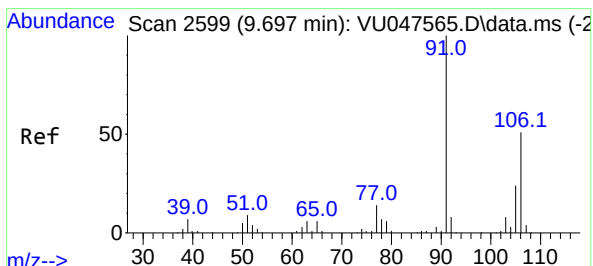
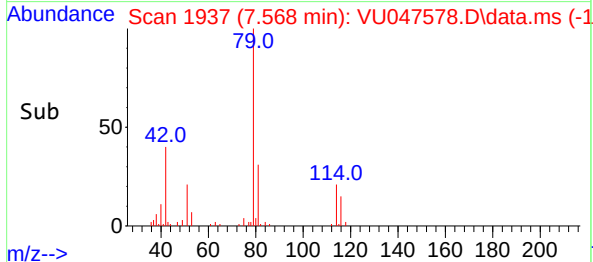
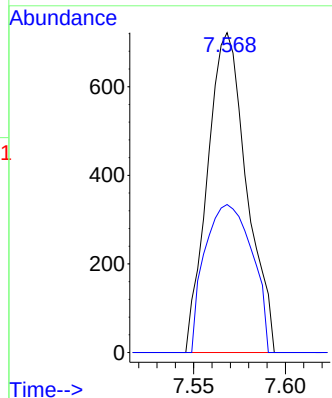
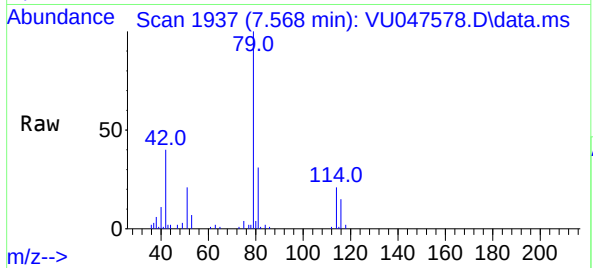
ClientSampleId :

Tgt Ion: 75 Resp: 1072

Ion Ratio Lower Upper

75 100

77 46.3 22.6 42.0#



#53

m,p-Xylene

Concen: 0.096 ug/L

RT: 9.694 min Scan# 2598

Delta R.T. -0.003 min

Lab File: VU047578.D

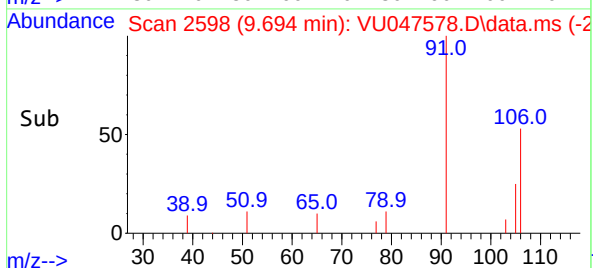
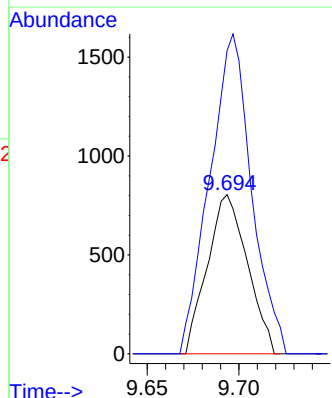
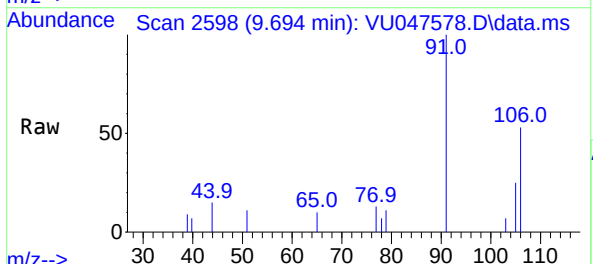
Acq: 15 Mar 2022 15:32

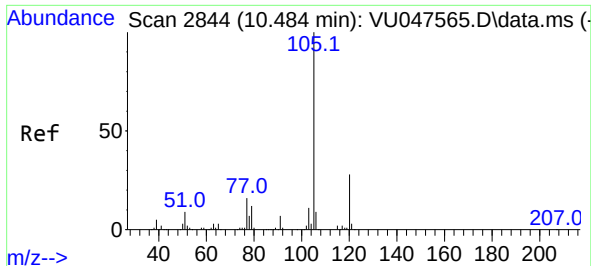
Tgt Ion: 106 Resp: 1220

Ion Ratio Lower Upper

106 100

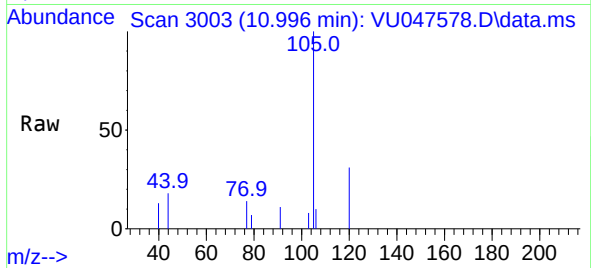
91 190.4 136.6 253.8



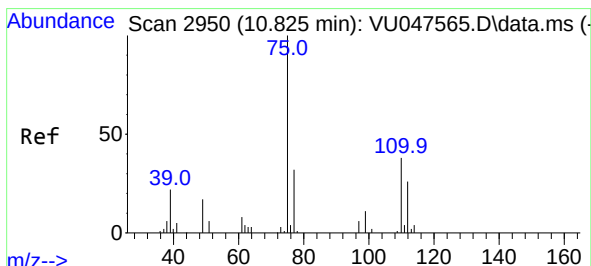
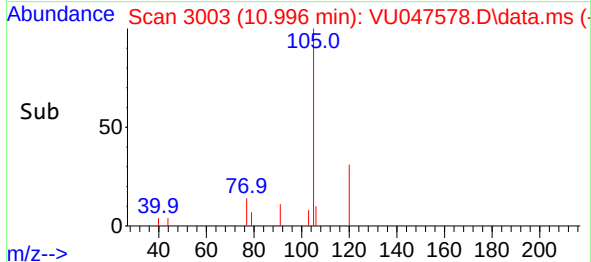
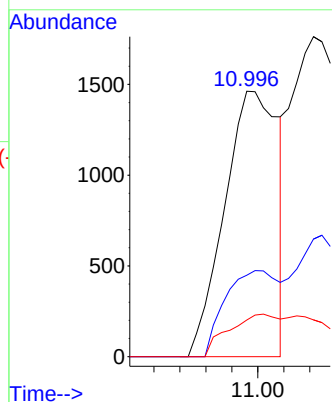


#60  
Isopropylbenzene  
Concen: 0.073 ug/L  
RT: 10.996 min Scan# 3092  
Delta R.T. 0.511 min  
Lab File: VU047578.D  
Acq: 15 Mar 2022 15:32

Instrument :  
MSVOA\_U  
ClientSampleId :

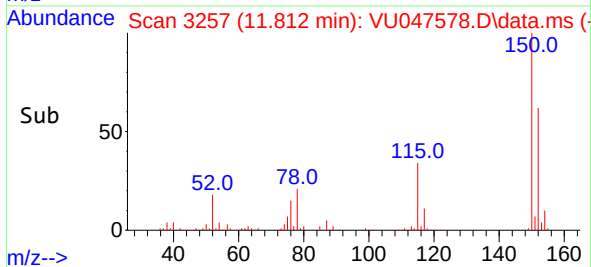
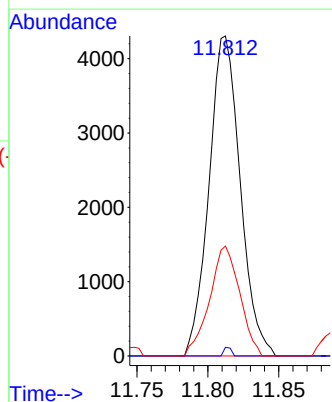
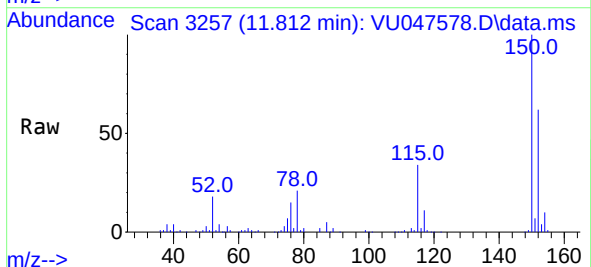


Tgt Ion:105 Resp: 2092  
Ion Ratio Lower Upper  
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77 15.2 12.2 18.4

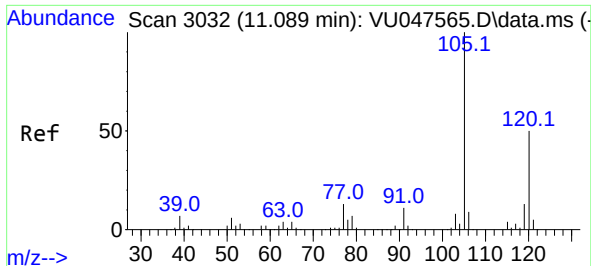


#61  
1,2,3-Trichloropropane  
Concen: 1.241 ug/L  
RT: 11.812 min Scan# 3257  
Delta R.T. 0.987 min  
Lab File: VU047578.D  
Acq: 15 Mar 2022 15:32

Tgt Ion: 75 Resp: 6600  
Ion Ratio Lower Upper  
75 100  
110 0.7 30.2 45.4#  
77 33.1 26.6 39.8



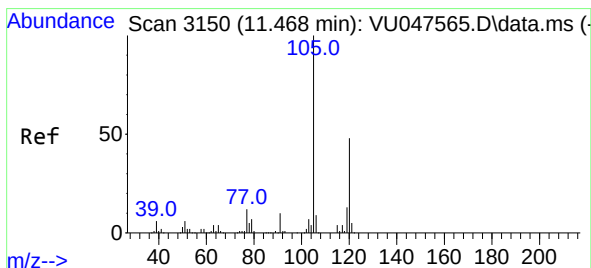
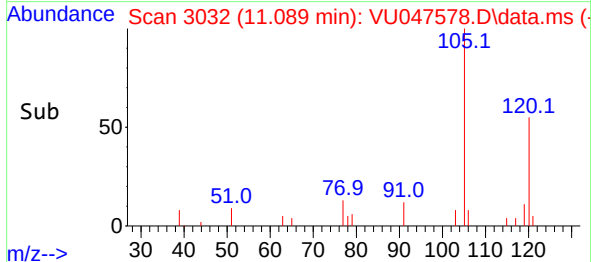
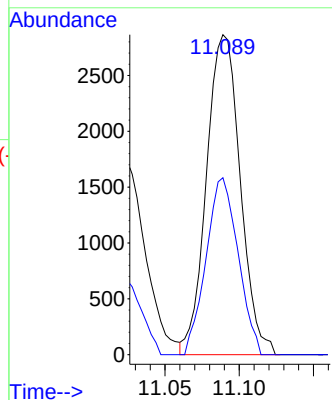
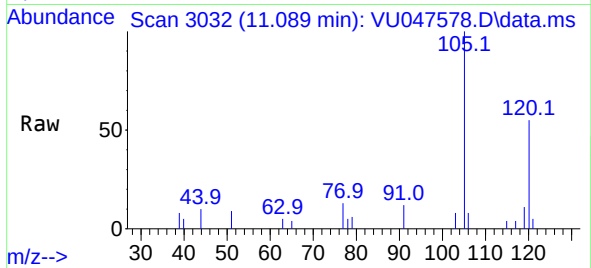




#62  
1,3,5-Trimethylbenzene  
Concen: 0.248 ug/L  
RT: 11.089 min Scan# 3032  
Delta R.T. 0.000 min  
Lab File: VU047578.D  
Acq: 15 Mar 2022 15:32

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:105 Resp: 4536  
Ion Ratio Lower Upper  
105 100  
120 52.3 40.2 60.4



#63  
1,2,4-Trimethylbenzene  
Concen: 0.184 ug/L  
RT: 11.468 min Scan# 3150  
Delta R.T. 0.000 min  
Lab File: VU047578.D  
Acq: 15 Mar 2022 15:32

Tgt Ion:105 Resp: 4373  
Ion Ratio Lower Upper  
105 100  
120 41.8 38.2 57.4

