

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW081622\  
 Data File : VW027408.D  
 Acq On : 16 Aug 2022 12:45  
 Operator : SY/MD  
 Sample : N4133-06  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F5E47RE

Quant Time: Aug 16 18:53:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR081122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Aug 16 00:24:20 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.612  | 114   | 132696   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 143827   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 66498    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.301  | 65    | 38567    | 3.345    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 67.000%  |
| 7) Chloroethane-d5            | 1.561  | 69    | 34372    | 4.105    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 82.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.101  | 63    | 64340    | 3.077    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 61.600%  |
| 20) 2-Butanone-d5             | 3.892  | 46    | 105326   | 53.946   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 107.900% |
| 24) Chloroform-d              | 4.342  | 84    | 83696    | 3.959    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 79.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.030  | 65    | 49540    | 4.918    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.400%  |
| 32) Benzene-d6                | 5.047  | 84    | 168555   | 3.973    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 79.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 62948    | 4.798    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 96.000%  |
| 41) Toluene-d8                | 7.313  | 98    | 134724   | 3.468    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 69.400%# |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79    | 18236    | 4.013    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 80.200%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 76419    | 43.456   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 86.920%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 45094    | 4.751    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 95.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 55516    | 4.837    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 96.800%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 5) Vinyl chloride             | 1.304  | 62    | 13558    | 0.922    | ug/L   | 91       |
| 6) Bromomethane               | 1.513  | 94    | 459      | 0.067    | ug/L   | 73       |
| 8) Chloroethane               | 1.494  | 64    | 3075     | 0.376    | ug/L # | 52       |
| 18) trans-1,2-Dichloroethene  | 2.754  | 96    | 6362     | 0.541    | ug/L   | 93       |
| 22) cis-1,2-Dichloroethene    | 3.908  | 96    | 2958     | 0.256    | ug/L   | 97       |
| 25) Chloroform                | 4.375  | 83    | 16631    | 0.719    | ug/L   | 97       |
| 33) Benzene                   | 5.098  | 78    | 34774    | 0.707    | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.066  | 83    | 15070    | 0.895    | ug/L # | 16       |
| 42) Toluene                   | 7.394  | 91    | 14319    | 0.292    | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 7.625  | 75    | 959      | 0.074    | ug/L # | 81       |
| 51) Chlorobenzene             | 8.889  | 112   | 2283     | 0.071    | ug/L   | 95       |
| 52) Ethylbenzene              | 9.014  | 91    | 29698    | 0.603    | ug/L   | 98       |
| 53) m,p-Xylene                | 9.140  | 106   | 20383    | 1.085    | ug/L   | 100      |
| 54) o-Xylene                  | 9.545  | 106   | 10820    | 0.589    | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.541 | 105   | 1693     | 0.146    | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.914 | 105   | 5245     | 0.158    | ug/L   | 99       |
| -----                         |        |       |          |          |        |          |

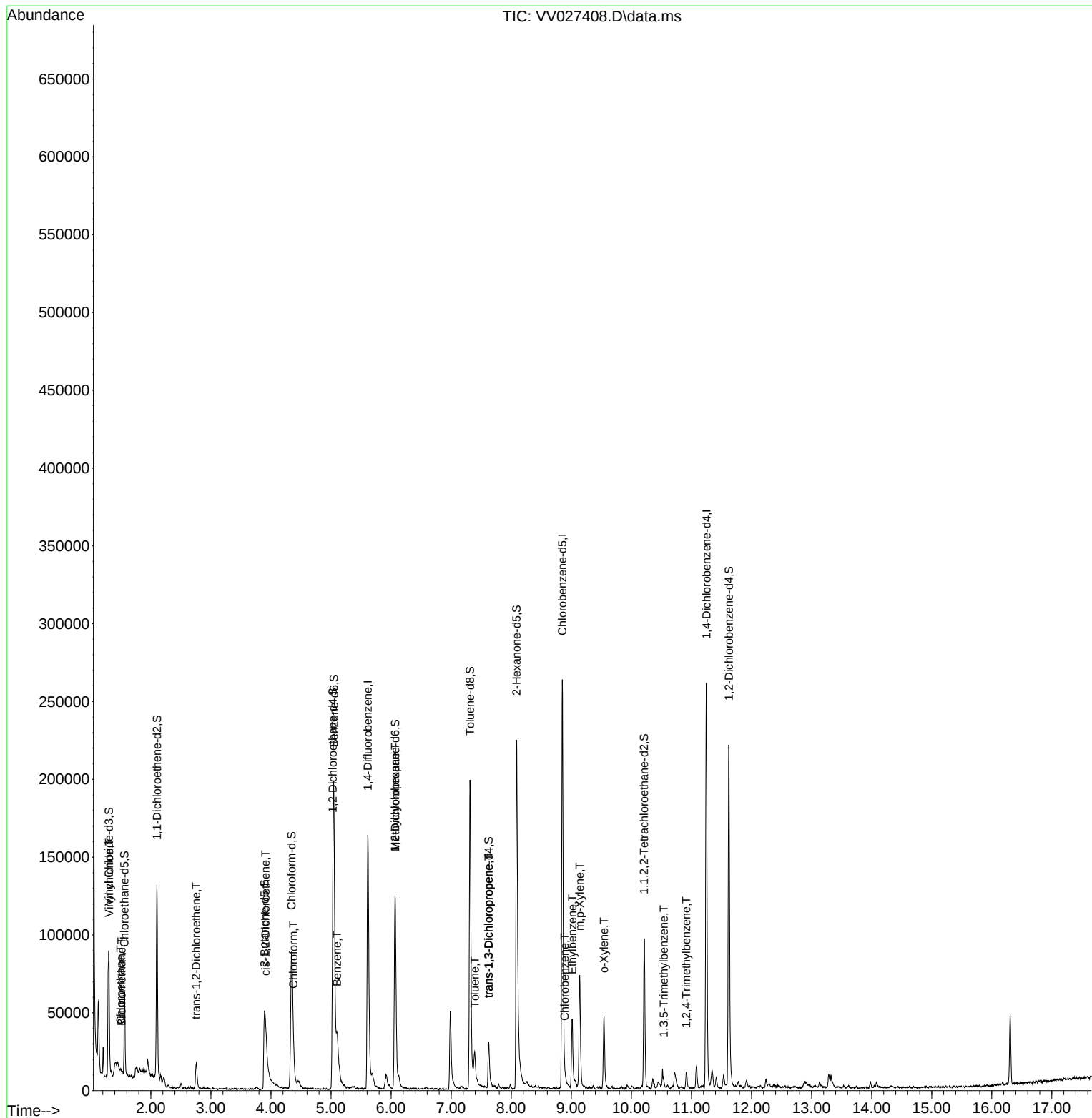
(#) = qualifier out of range (m) = manual integration (+) = signals summed

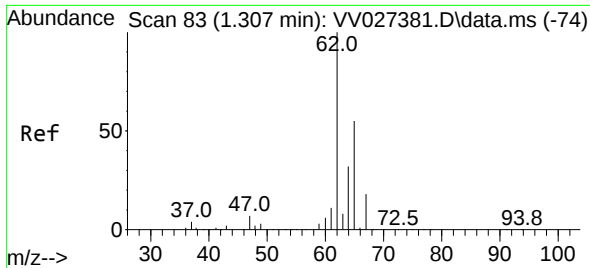
**Instrument :**  
MSVOA\_V  
**ClientSampleId :**  
F5E47RE

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV081622\  
Data File : VV027408.D  
Acq On : 16 Aug 2022 12:45  
Operator : SY/MD  
Sample : N4133-06  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
F5E47RE

Quant Time: Aug 16 18:53:54 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR081122WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Aug 16 00:24:20 2022  
Response via : Initial Calibration

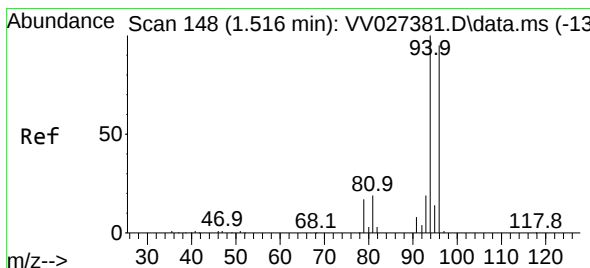
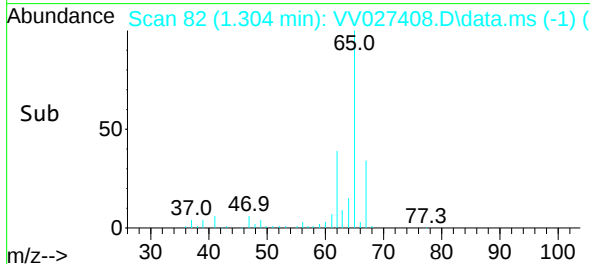
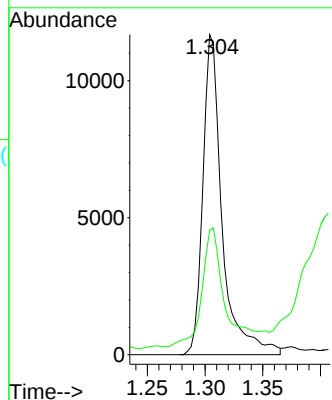
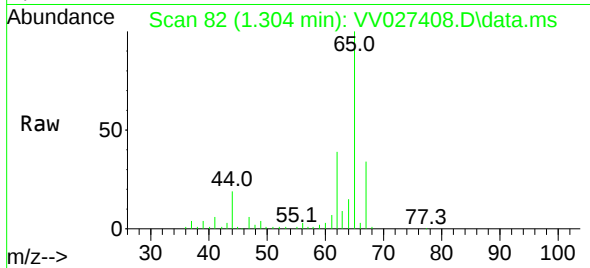




#5  
 Vinyl chloride  
 Concen: 0.922 ug/L  
 RT: 1.304 min Scan# 81  
 Delta R.T. -0.003 min  
 Lab File: VV027408.D  
 Acq: 16 Aug 2022 12:45

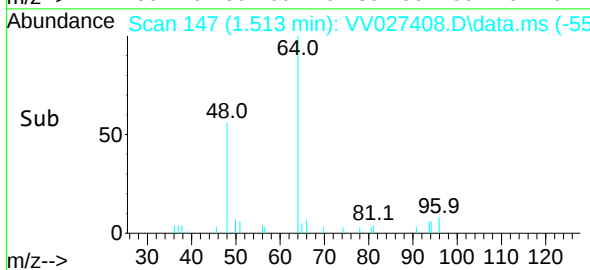
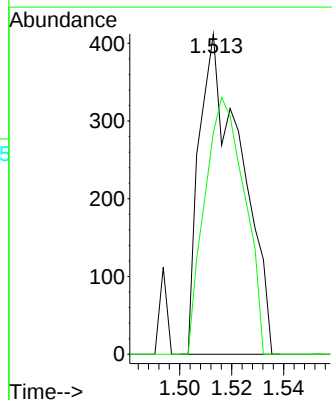
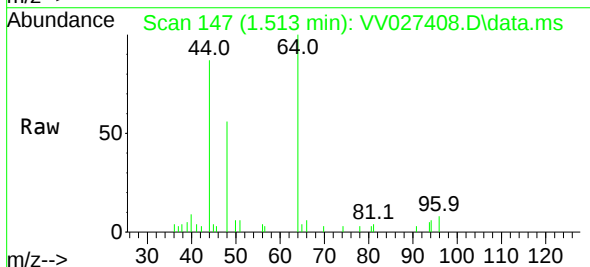
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F5E47RE

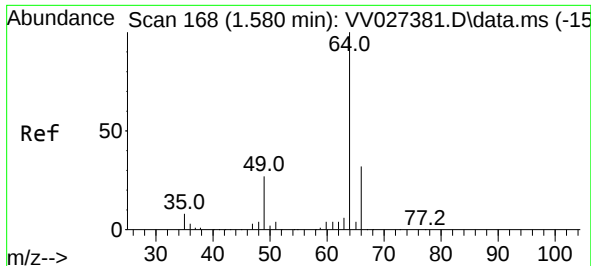
Tgt Ion: 62 Resp: 13558  
 Ion Ratio Lower Upper  
 62 100  
 64 38.9 23.7 44.1



#6  
 Bromomethane  
 Concen: 0.067 ug/L  
 RT: 1.513 min Scan# 147  
 Delta R.T. -0.003 min  
 Lab File: VV027408.D  
 Acq: 16 Aug 2022 12:45

Tgt Ion: 94 Resp: 459  
 Ion Ratio Lower Upper  
 94 100  
 96 69.2 67.2 124.8

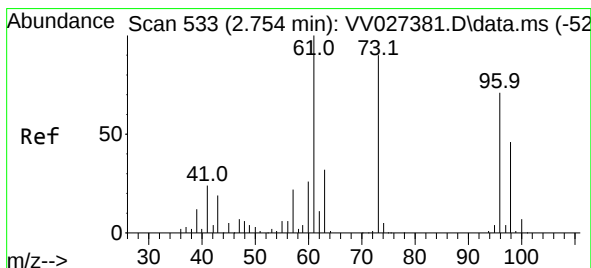
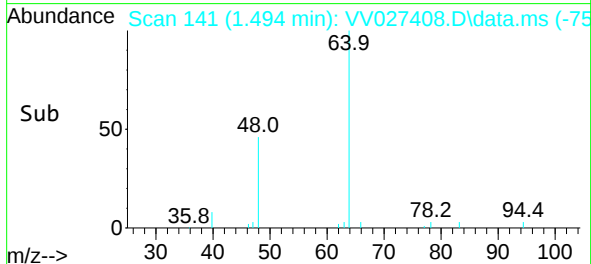
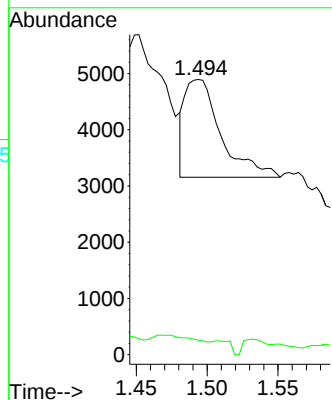
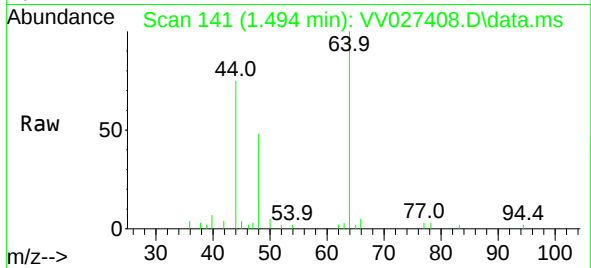




#8  
Chloroethane  
Concen: 0.376 ug/L  
RT: 1.494 min Scan# 14  
Delta R.T. -0.087 min  
Lab File: VV027408.D  
Acq: 16 Aug 2022 12:45

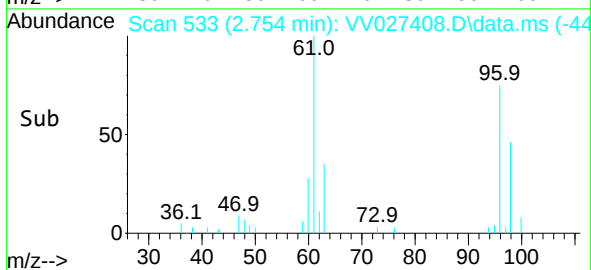
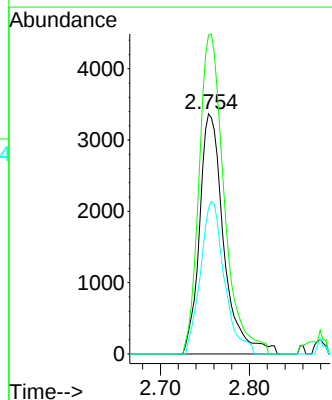
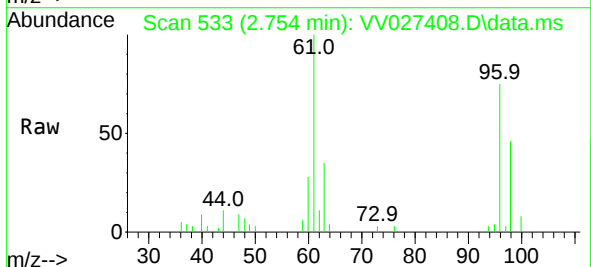
Instrument :  
MSVOA\_V  
ClientSampleId :  
F5E47RE

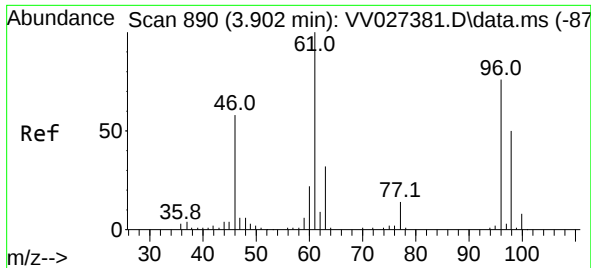
Tgt Ion: 64 Resp: 3075  
Ion Ratio Lower Upper  
64 100  
66 5.3 22.3 41.5#



#18  
trans-1,2-Dichloroethene  
Concen: 0.541 ug/L  
RT: 2.754 min Scan# 533  
Delta R.T. 0.000 min  
Lab File: VV027408.D  
Acq: 16 Aug 2022 12:45

Tgt Ion: 96 Resp: 6362  
Ion Ratio Lower Upper  
96 100  
61 132.9 99.6 185.0  
98 60.6 45.1 83.7

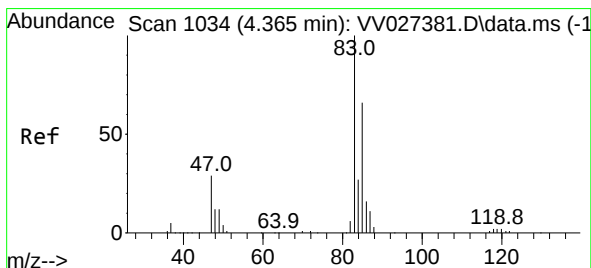
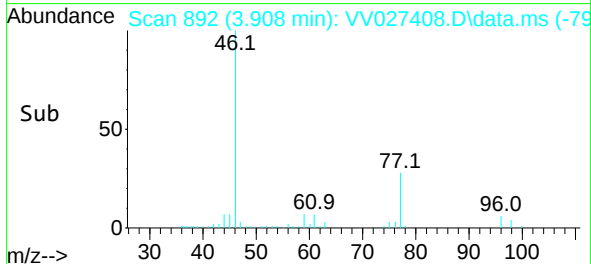
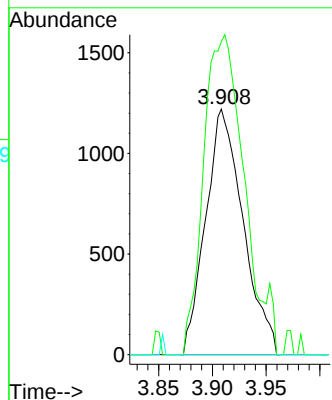
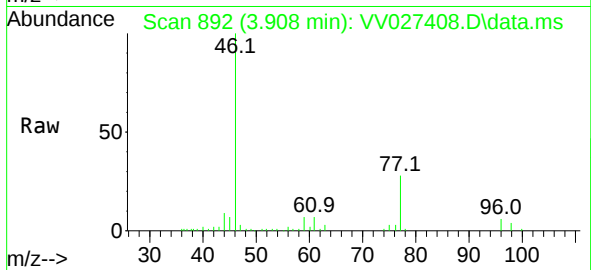




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.256 ug/L  
 RT: 3.908 min Scan# 891  
 Delta R.T. 0.006 min  
 Lab File: VV027408.D  
 Acq: 16 Aug 2022 12:45

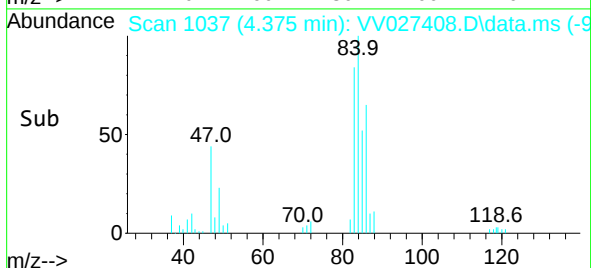
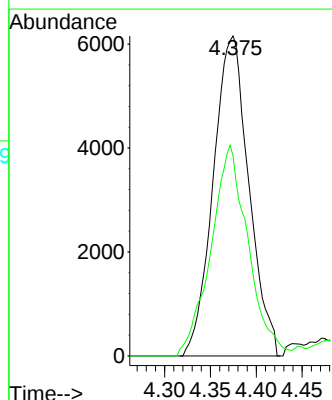
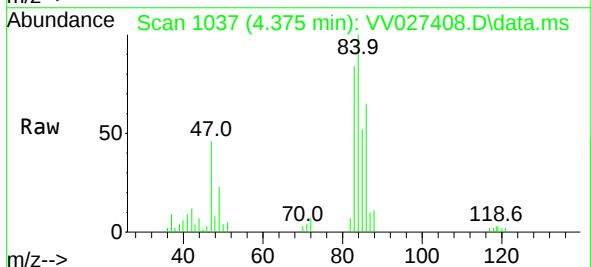
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F5E47RE

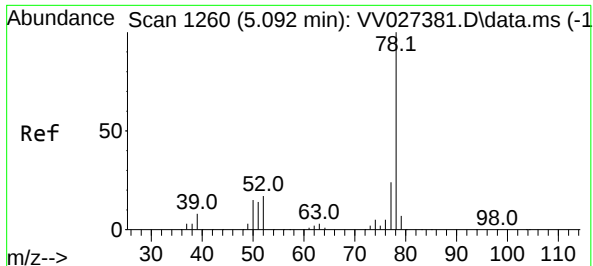
Tgt Ion: 96 Resp: 2958  
 Ion Ratio Lower Upper  
 96 100  
 61 127.5 91.3 169.5  
 68 0.0 0.0 0.0



#25  
 Chloroform  
 Concen: 0.719 ug/L  
 RT: 4.375 min Scan# 1037  
 Delta R.T. 0.010 min  
 Lab File: VV027408.D  
 Acq: 16 Aug 2022 12:45

Tgt Ion: 83 Resp: 16631  
 Ion Ratio Lower Upper  
 83 100  
 85 62.6 45.2 84.0

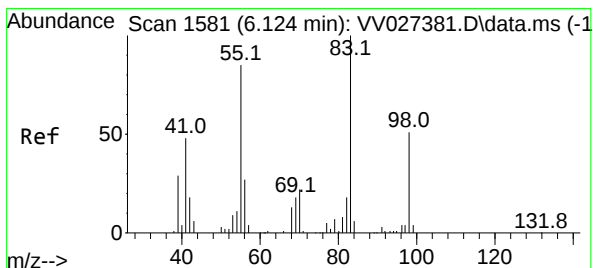
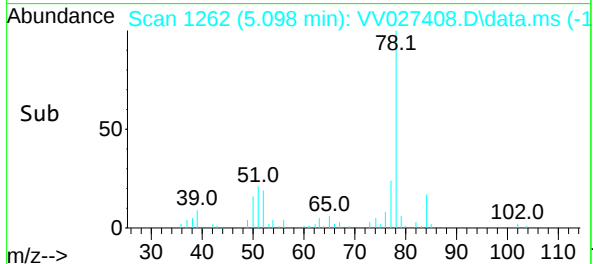
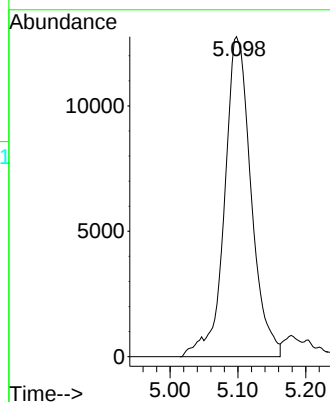
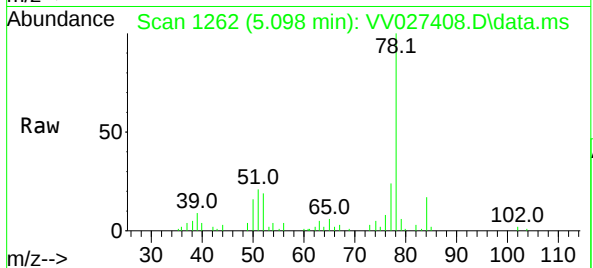




#33  
Benzene  
Concen: 0.707 ug/L  
RT: 5.098 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VV027408.D  
Acq: 16 Aug 2022 12:45

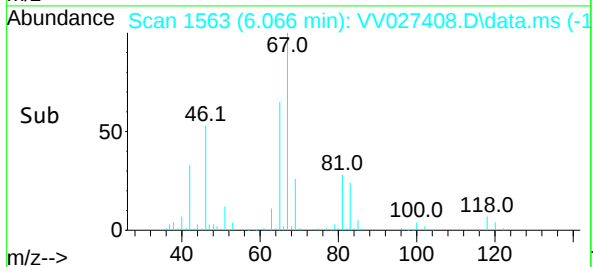
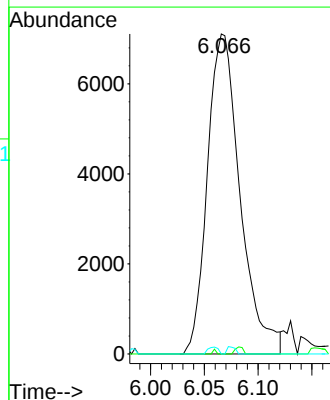
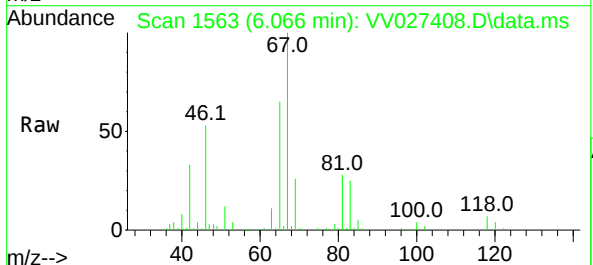
Instrument :  
MSVOA\_V  
ClientSampleId :  
F5E47RE

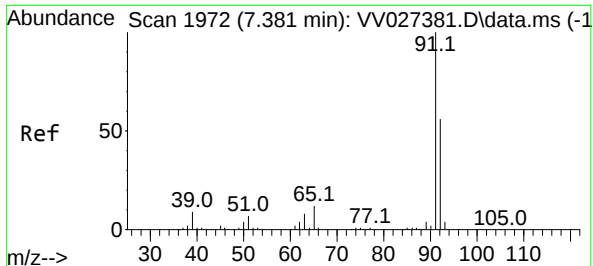
Tgt Ion: 78 Resp: 34774



#35  
Methylcyclohexane  
Concen: 0.895 ug/L  
RT: 6.066 min Scan# 1563  
Delta R.T. -0.058 min  
Lab File: VV027408.D  
Acq: 16 Aug 2022 12:45

Tgt Ion: 83 Resp: 15070  
Ion Ratio Lower Upper  
83 100  
55 0.1 67.0 100.6#  
98 0.7 38.7 58.1#





#42

Toluene

Concen: 0.292 ug/L

RT: 7.394 min Scan# 1972

Delta R.T. 0.013 min

Lab File: VV027408.D

Acq: 16 Aug 2022 12:45

Instrument :

MSVOA\_V

ClientSampleId :

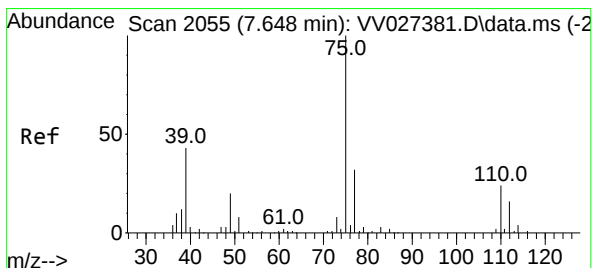
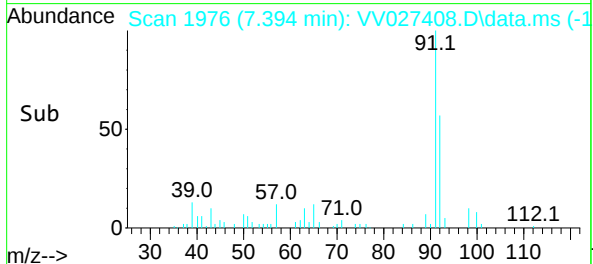
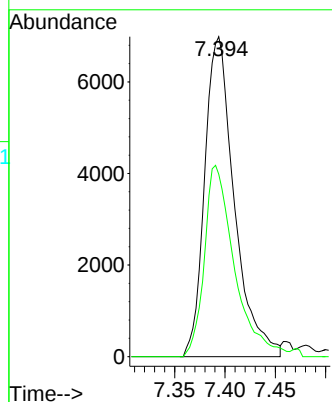
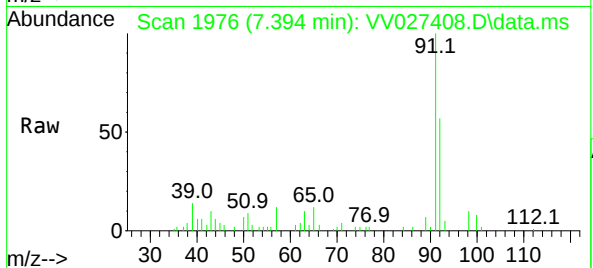
F5E47RE

Tgt Ion: 91 Resp: 14319

Ion Ratio Lower Upper

91 100

92 57.0 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 0.074 ug/L

RT: 7.625 min Scan# 2048

Delta R.T. -0.022 min

Lab File: VV027408.D

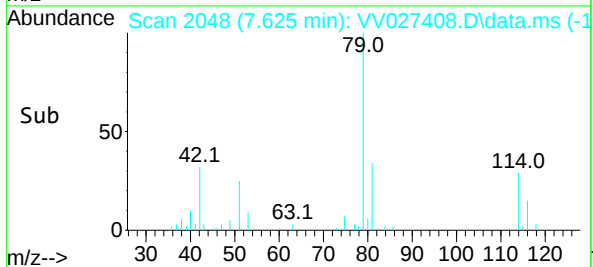
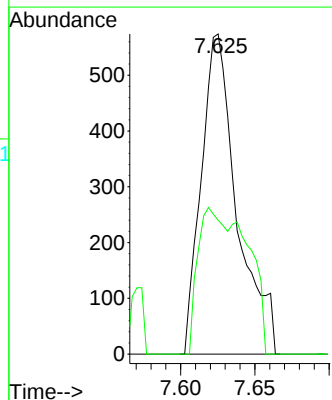
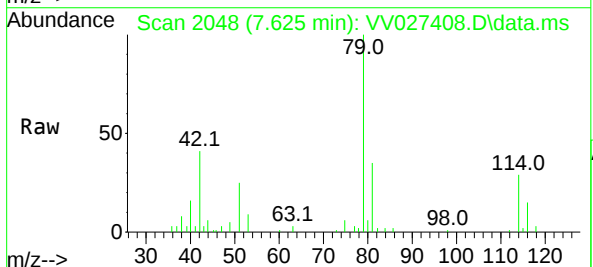
Acq: 16 Aug 2022 12:45

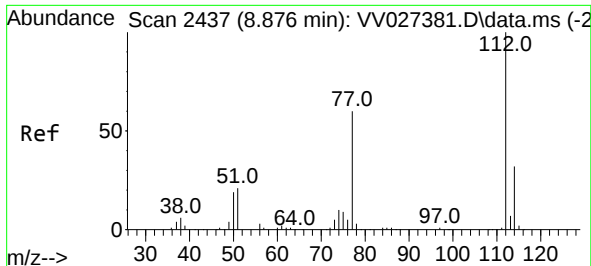
Tgt Ion: 75 Resp: 959

Ion Ratio Lower Upper

75 100

77 41.8 21.9 40.7#

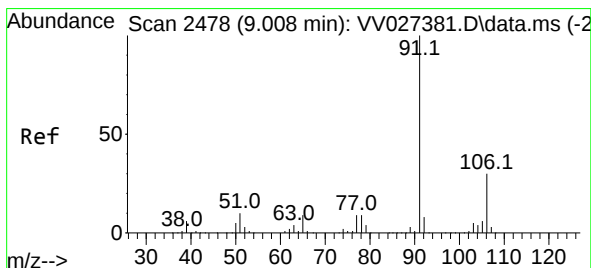
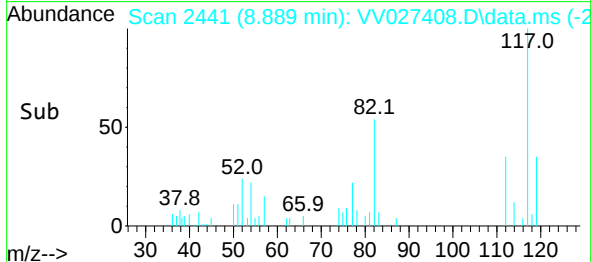
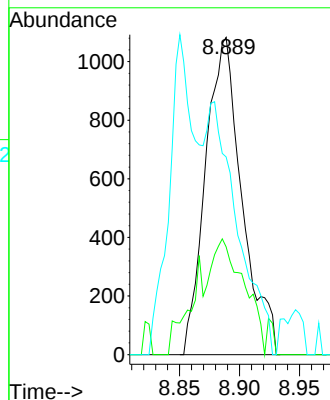
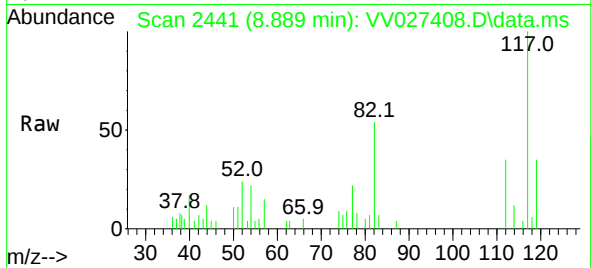




#51  
Chlorobenzene  
Concen: 0.071 ug/L  
RT: 8.889 min Scan# 2441  
Delta R.T. 0.013 min  
Lab File: VV027408.D  
Acq: 16 Aug 2022 12:45

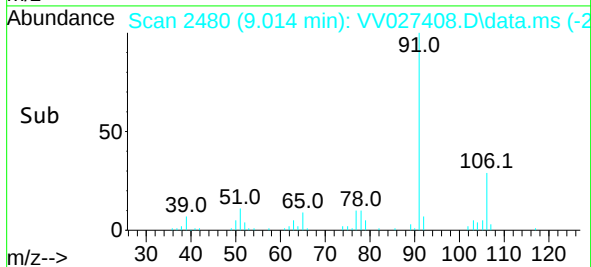
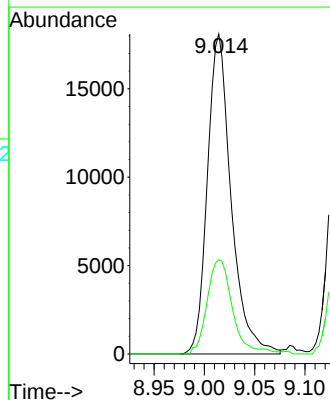
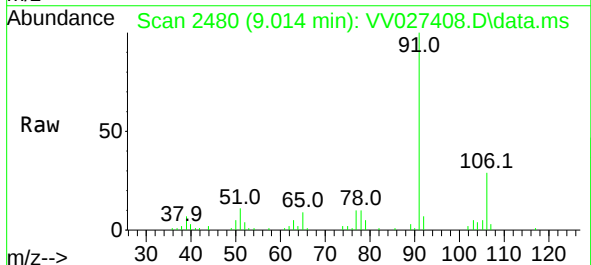
Instrument :  
MSVOA\_V  
ClientSampleId :  
F5E47RE

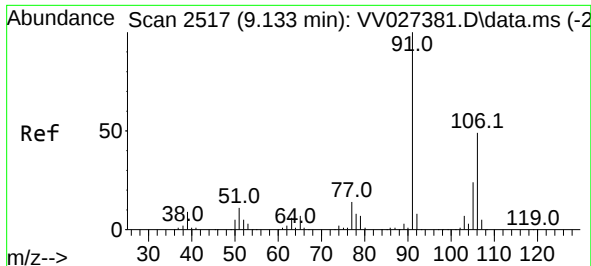
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 112   | Resp: | 2283 |
| Ion Ratio | Lower | Upper |      |
| 112       | 100   |       |      |
| 114       | 34.0  | 22.5  | 41.9 |
| 77        | 62.3  | 46.4  | 69.6 |



#52  
Ethylbenzene  
Concen: 0.603 ug/L  
RT: 9.014 min Scan# 2480  
Delta R.T. 0.006 min  
Lab File: VV027408.D  
Acq: 16 Aug 2022 12:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 91    | Resp: | 29698 |
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 106       | 29.4  | 21.5  | 39.9  |

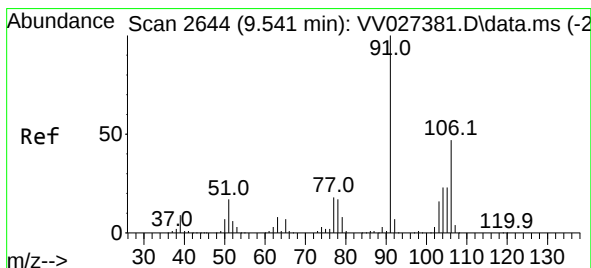
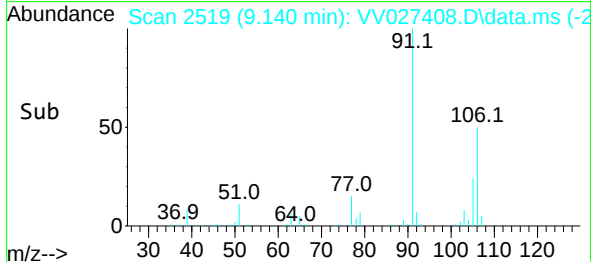
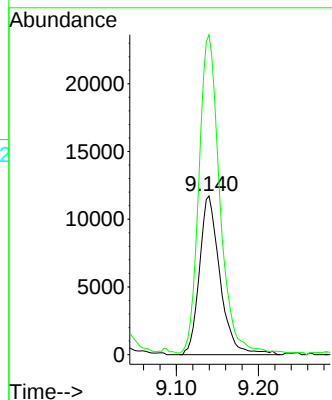
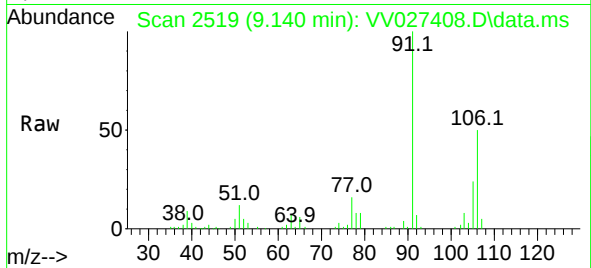




#53  
m,p-Xylene  
Concen: 1.085 ug/L  
RT: 9.140 min Scan# 2517  
Delta R.T. 0.006 min  
Lab File: VV027408.D  
Acq: 16 Aug 2022 12:45

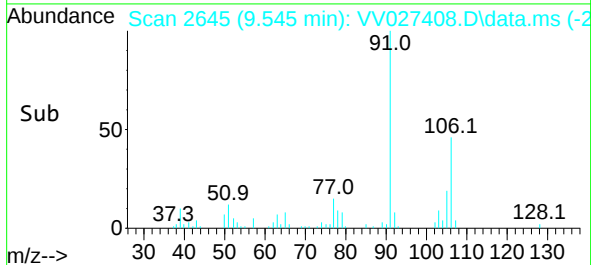
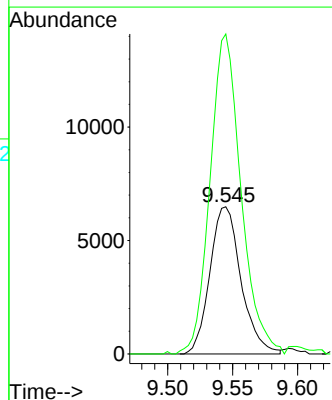
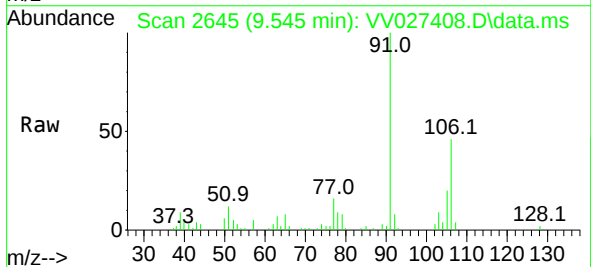
Instrument :  
MSVOA\_V  
ClientSampleId :  
F5E47RE

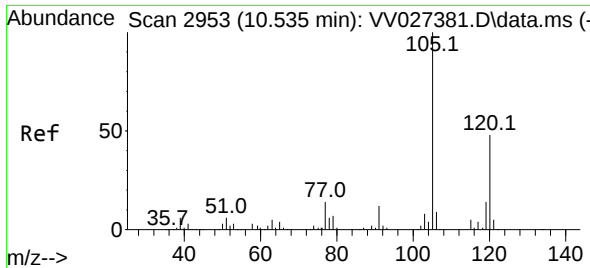
Tgt Ion:106 Resp: 20383  
Ion Ratio Lower Upper  
106 100  
91 201.6 141.5 262.9



#54  
o-Xylene  
Concen: 0.589 ug/L  
RT: 9.545 min Scan# 2645  
Delta R.T. 0.003 min  
Lab File: VV027408.D  
Acq: 16 Aug 2022 12:45

Tgt Ion:106 Resp: 10820  
Ion Ratio Lower Upper  
106 100  
91 217.3 153.2 284.4

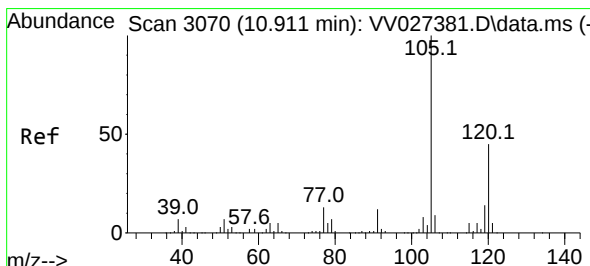
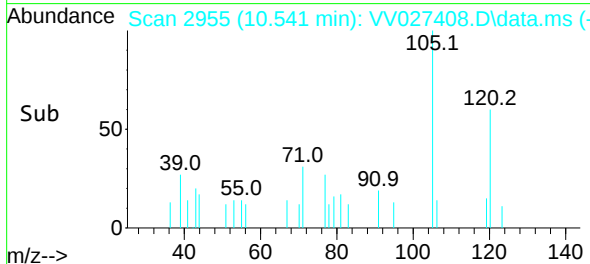
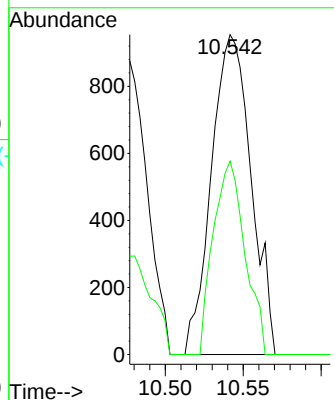
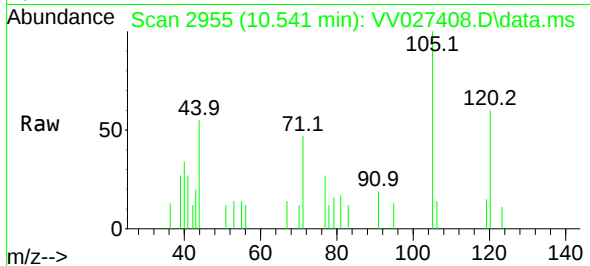




#62  
 1,3,5-Trimethylbenzene  
 Concen: 0.146 ug/L  
 RT: 10.541 min Scan# 2955  
 Delta R.T. 0.006 min  
 Lab File: VV027408.D  
 Acq: 16 Aug 2022 12:45

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F5E47RE

Tgt Ion:105 Resp: 1693  
 Ion Ratio Lower Upper  
 105 100  
 120 48.1 38.2 57.4



#63  
 1,2,4-Trimethylbenzene  
 Concen: 0.158 ug/L  
 RT: 10.914 min Scan# 3071  
 Delta R.T. 0.003 min  
 Lab File: VV027408.D  
 Acq: 16 Aug 2022 12:45

Tgt Ion:105 Resp: 5245  
 Ion Ratio Lower Upper  
 105 100  
 120 45.8 36.2 54.2

