

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV110221\  
 Data File : VV023145.D  
 Acq On : 02 Nov 2021 13:58  
 Operator : SY/MD  
 Sample : M4400-23  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 02 22:42:13 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR102221WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 02 22:38:58 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 5.622  | 114            | 122628   | 5.000  | ug/L     | 0.01     |
| 28) Chlorobenzene-d5          | 8.854  | 117            | 126229   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152            | 63883    | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65             | 46553    | 4.344  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 86.800%  |          |
| 7) Chloroethane-d5            | 1.568  | 69             | 37186    | 5.610  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 112.200% |          |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63             | 64243    | 4.156  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 83.200%  |          |
| 20) 2-Butanone-d5             | 3.886  | 46             | 85948    | 50.001 | ug/L     | -0.01    |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 100.000% |          |
| 24) Chloroform-d              | 4.352  | 84             | 91251    | 5.238  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 104.800% |          |
| 26) 1,2-Dichloroethane-d4     | 5.037  | 65             | 43303    | 5.273  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 105.400% |          |
| 32) Benzene-d6                | 5.053  | 84             | 178153   | 4.834  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 96.600%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67             | 52837    | 4.657  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 93.200%  |          |
| 41) Toluene-d8                | 7.317  | 98             | 153588   | 4.640  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 92.800%  |          |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79             | 19534    | 4.914  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 98.200%  |          |
| 46) 2-Hexanone-d5             | 8.088  | 63             | 69066    | 46.931 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 93.860%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84             | 35597    | 4.544  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 90.800%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152            | 60809    | 5.335  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 106.600% |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        | Qvalue   |          |
| 3) Chloromethane              | 1.240  | 50             | 1073     | 0.128  | ug/L #   | 78       |
| 5) Vinyl chloride             | 1.314  | 62             | 349      | 0.040  | ug/L #   | 1        |
| 12) 1,1-Dichloroethene        | 2.111  | 96             | 544      | 0.087  | ug/L #   | 1        |
| 13) Acetone                   | 2.179  | 43             | 9170     | 10.873 | ug/L     | 87       |
| 30) Cyclohexane               | 4.680  | 56             | 1545     | 0.124  | ug/L #   | 94       |
| 33) Benzene                   | 5.105  | 78             | 66256    | 1.950  | ug/L     | 100      |
| 37) 1,2-Dichloropropane       | 6.072  | 63             | 6098     | 0.712  | ug/L #   | 83       |
| 39) cis-1,3-Dichloropropene   | 6.989  | 75             | 1462     | 0.137  | ug/L #   | 67       |
| 42) Toluene                   | 7.391  | 91             | 184398   | 5.357  | ug/L     | 97       |
| 52) Ethylbenzene              | 9.018  | 91             | 20778    | 0.608  | ug/L     | 99       |
| 53) m,p-xylene                | 9.140  | 106            | 26649    | 1.945  | ug/L     | 98       |
| 54) o-xylene                  | 9.545  | 106            | 17158    | 1.330  | ug/L     | 99       |
| 55) Styrene                   | 9.545  | 104            | 1233     | 0.055  | ug/L #   | 1        |
| 61) 1,2,3-Trichloropropane    | 9.551  | 75             | 318      | 0.071  | ug/L #   | 1        |
| 62) 1,3,5-Trimethylbenzene    | 10.545 | 105            | 4777     | 0.184  | ug/L     | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105            | 21999    | 0.849  | ug/L     | 99       |
| 71) Naphthalene               | 13.509 | 128            | 5433     | 0.369  | ug/L     | 98       |

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Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

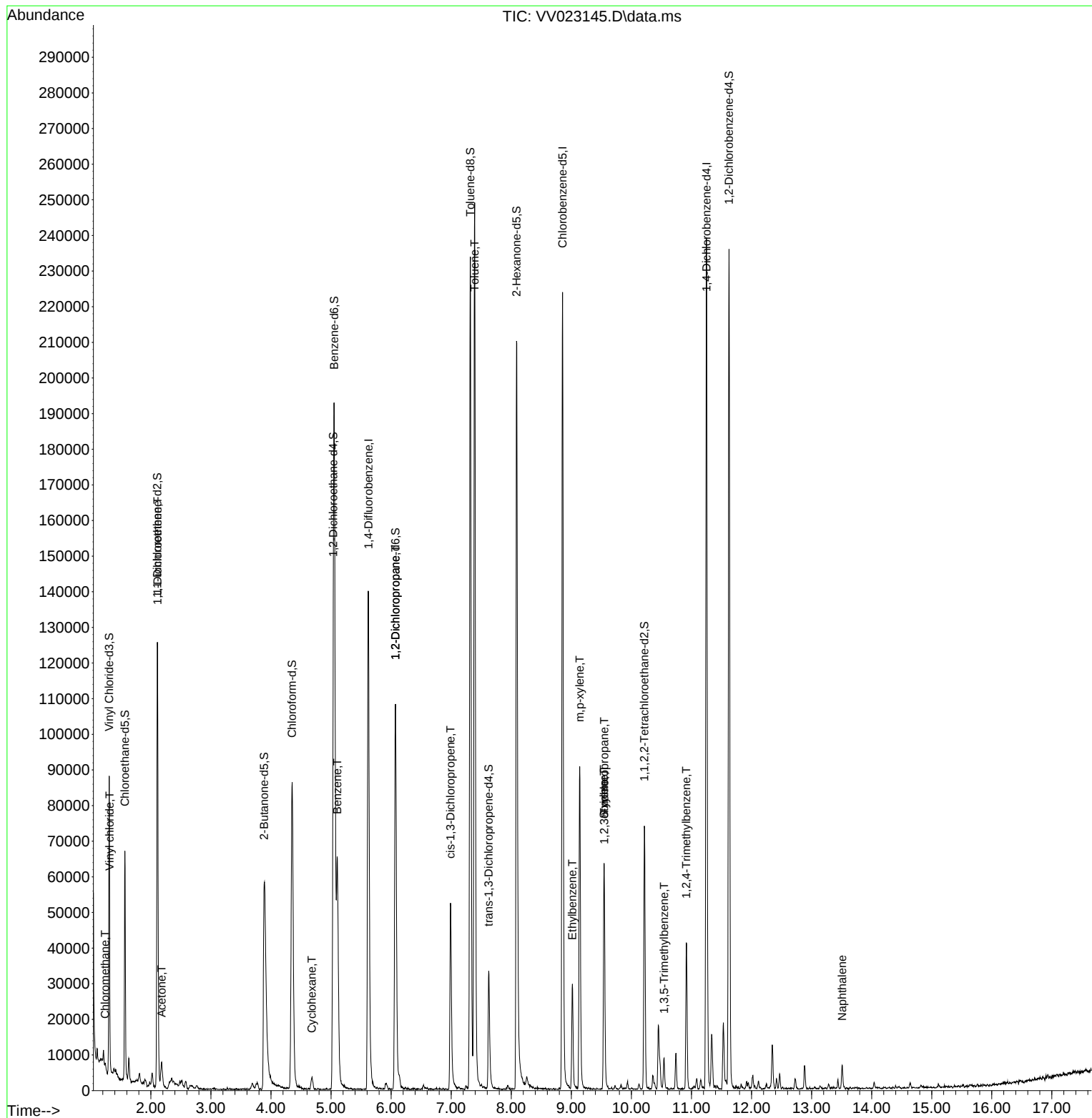
Quant Time: Nov 02 22:42:13 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR102221WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Nov 02 22:38:58 2021  
Response via : Initial Calibration

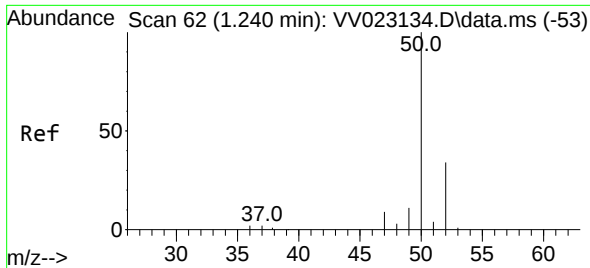
| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

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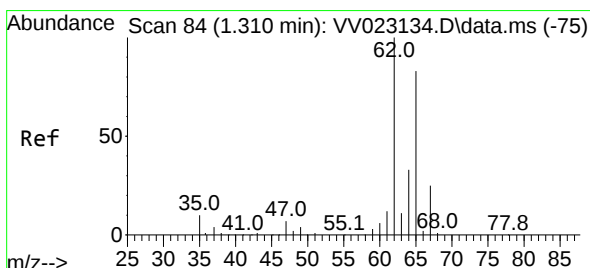
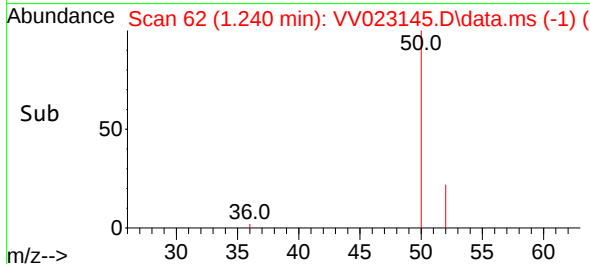
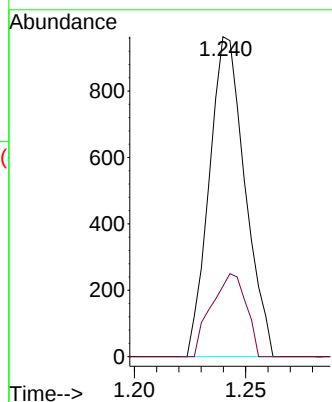
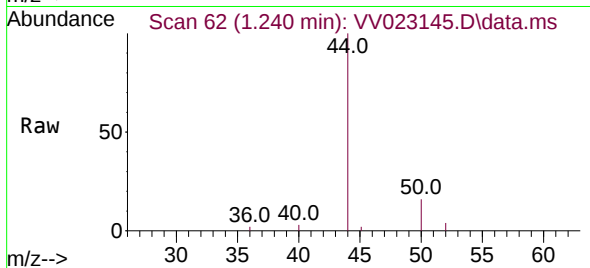




#3  
Chloromethane  
Concen: 0.128 ug/L  
RT: 1.240 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VV023145.D  
Acq: 02 Nov 2021 13:58

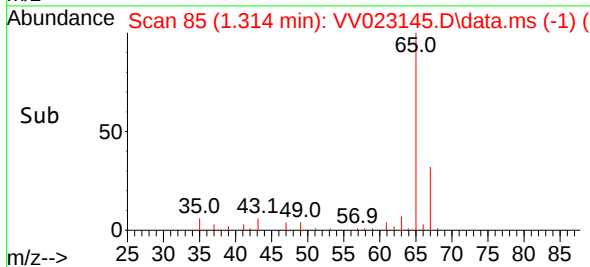
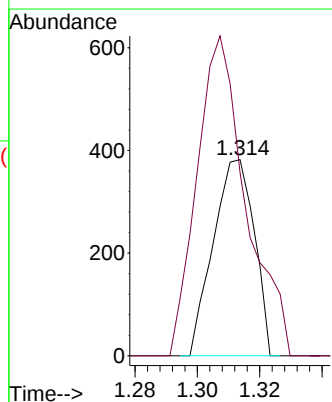
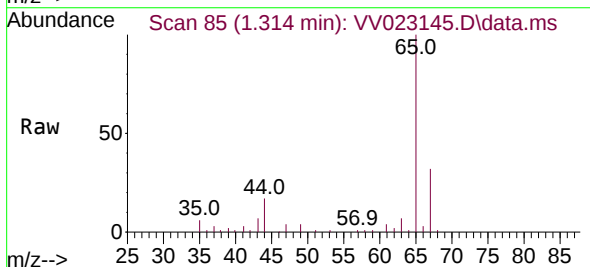
Instrument :  
MSVOA\_V  
ClientSampleId :

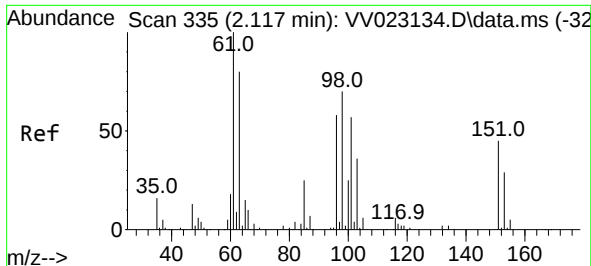
Tgt Ion: 50 Resp: 1073  
Ion Ratio Lower Upper  
50 100  
52 22.0 24.3 45.1#



#5  
Vinyl chloride  
Concen: 0.040 ug/L  
RT: 1.314 min Scan# 85  
Delta R.T. 0.003 min  
Lab File: VV023145.D  
Acq: 02 Nov 2021 13:58

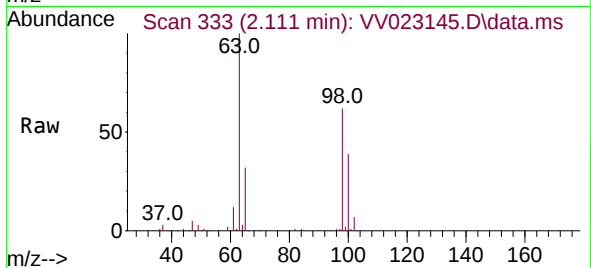
Tgt Ion: 62 Resp: 349  
Ion Ratio Lower Upper  
62 100  
64 93.5 23.1 42.9#



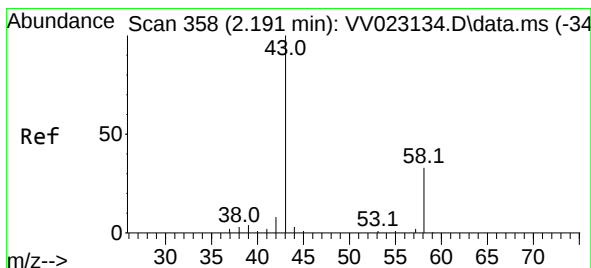
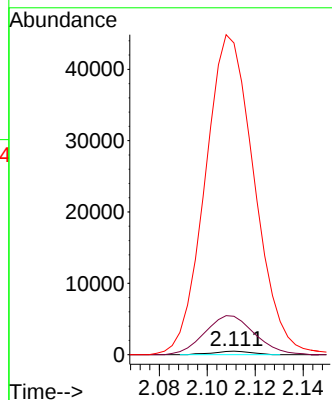
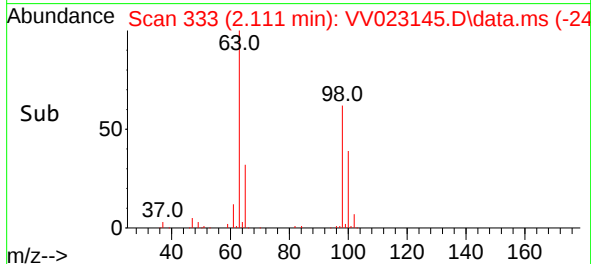


#12  
1,1-Dichloroethene  
Concen: 0.087 ug/L  
RT: 2.111 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VV023145.D  
Acq: 02 Nov 2021 13:58

Instrument :  
MSVOA\_V  
ClientSampleId :

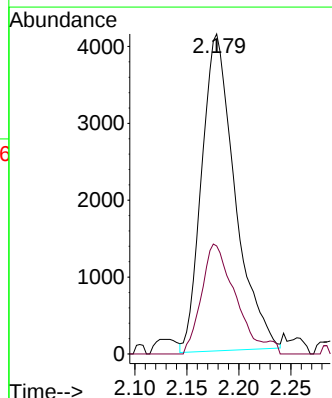
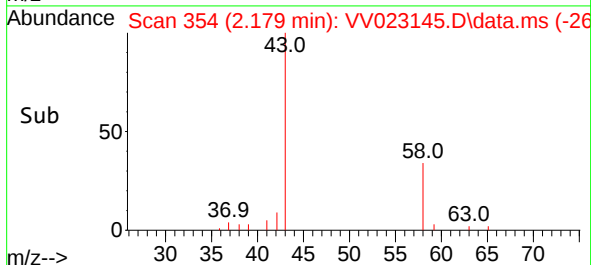
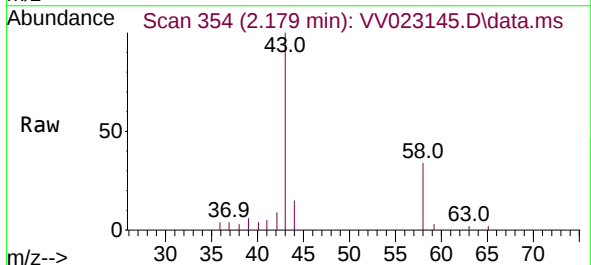


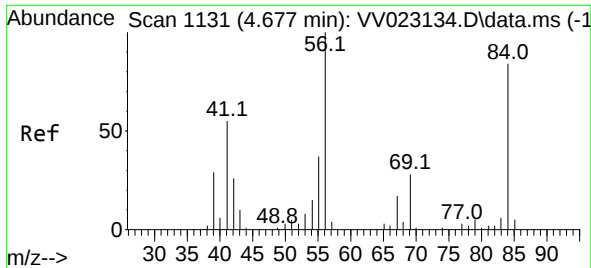
Tgt Ion: 96 Resp: 544  
Ion Ratio Lower Upper  
96 100  
61 1104.5 121.5 225.7#  
63 8950.8 99.6 185.0#



#13  
Acetone  
Concen: 10.873 ug/L  
RT: 2.179 min Scan# 354  
Delta R.T. -0.013 min  
Lab File: VV023145.D  
Acq: 02 Nov 2021 13:58

Tgt Ion: 43 Resp: 9170  
Ion Ratio Lower Upper  
43 100  
58 34.7 0.0 55.4

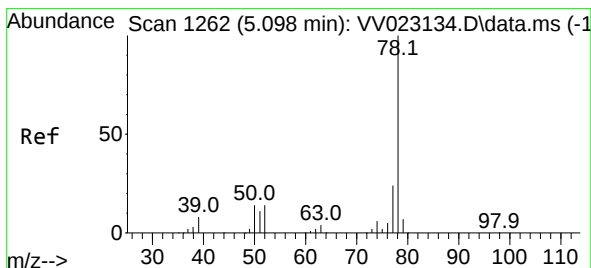
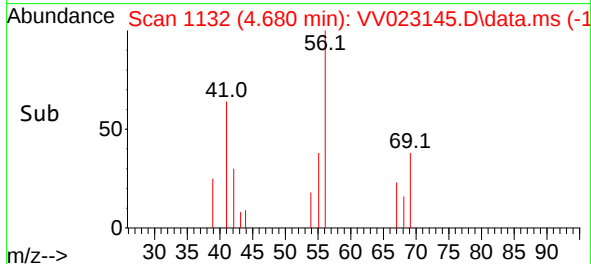
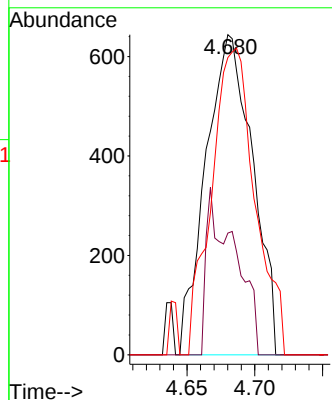
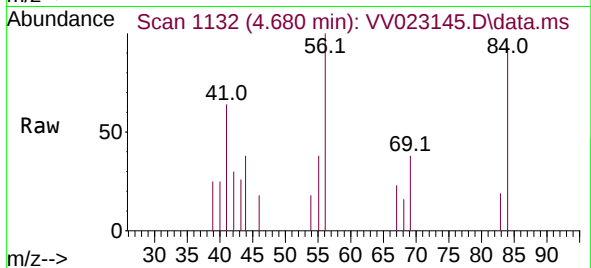




#30  
Cyclohexane  
Concen: 0.124 ug/L  
RT: 4.680 min Scan# 1131  
Delta R.T. 0.003 min  
Lab File: VV023145.D  
Acq: 02 Nov 2021 13:58

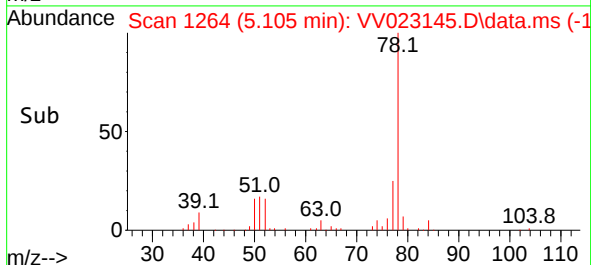
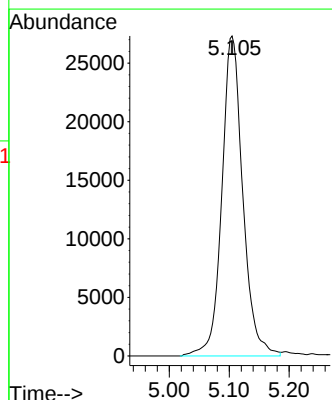
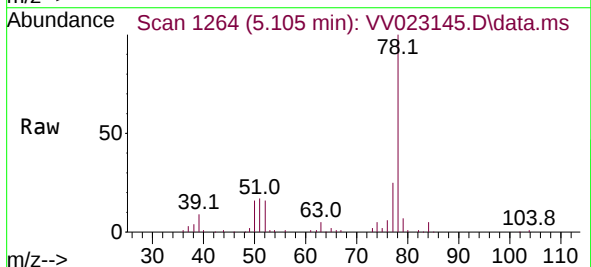
Instrument :  
MSVOA\_V  
ClientSampleId :

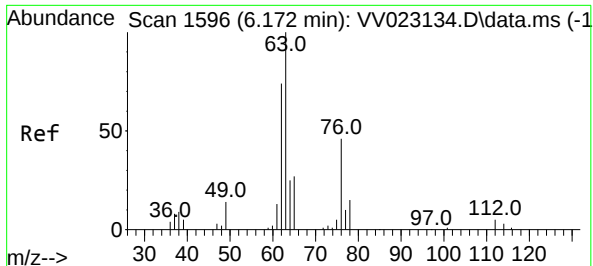
Tgt Ion: 56 Resp: 1545  
Ion Ratio Lower Upper  
56 100  
69 15.7 23.5 35.3#  
84 89.7 71.6 107.4



#33  
Benzene  
Concen: 1.950 ug/L  
RT: 5.105 min Scan# 1264  
Delta R.T. 0.007 min  
Lab File: VV023145.D  
Acq: 02 Nov 2021 13:58

Tgt Ion: 78 Resp: 66256





#37

1,2-Dichloropropane

Concen: 0.712 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV023145.D

Acq: 02 Nov 2021 13:58

Instrument :

MSVOA\_V

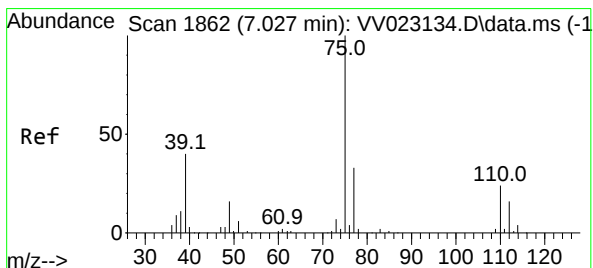
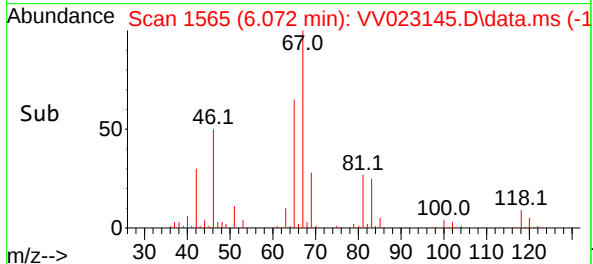
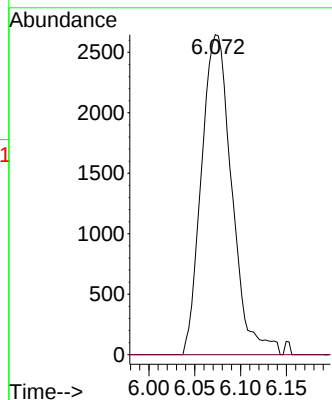
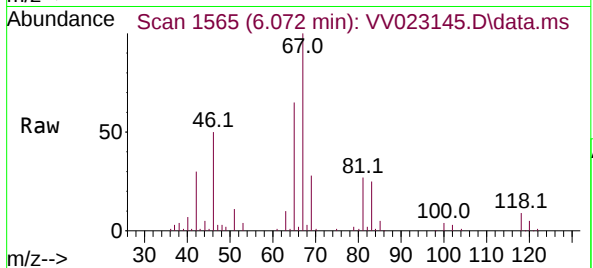
ClientSampleId :

Tgt Ion: 63 Resp: 6098

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#39

cis-1,3-Dichloropropene

Concen: 0.137 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.038 min

Lab File: VV023145.D

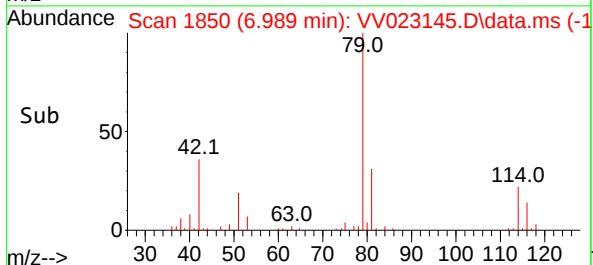
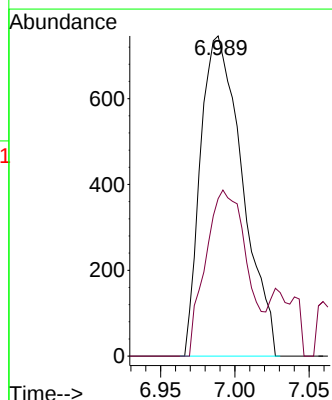
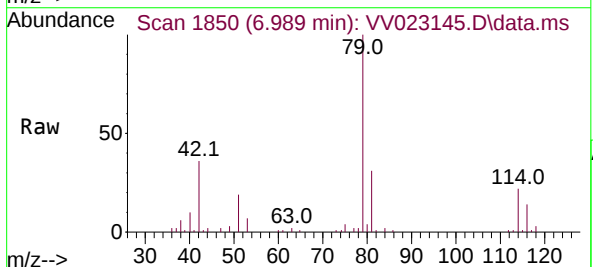
Acq: 02 Nov 2021 13:58

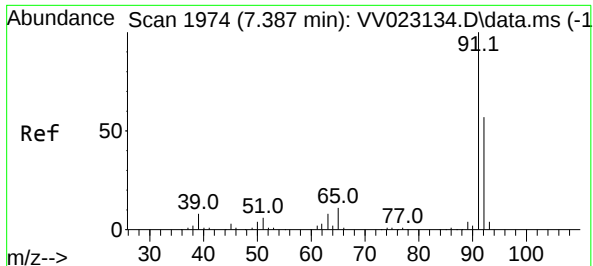
Tgt Ion: 75 Resp: 1462

Ion Ratio Lower Upper

75 100

77 49.2 21.6 40.2#





#42

Toluene

Concen: 5.357 ug/L

RT: 7.391 min Scan# 1974

Delta R.T. 0.003 min

Lab File: VV023145.D

Acq: 02 Nov 2021 13:58

Instrument :

MSVOA\_V

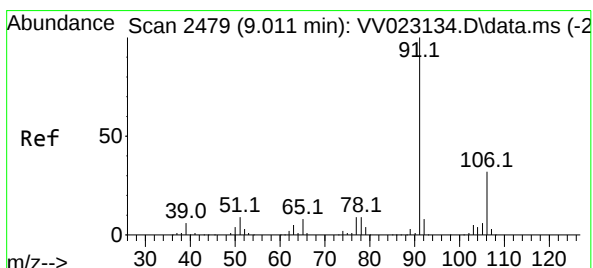
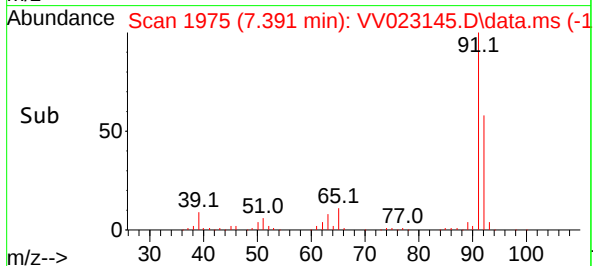
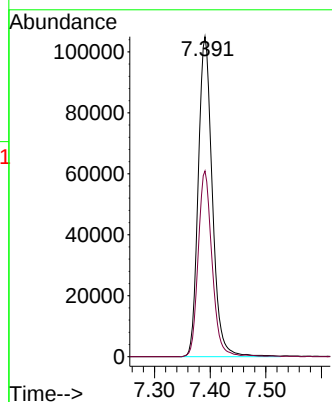
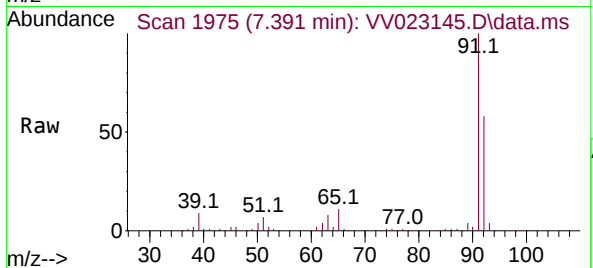
ClientSampleId :

Tgt Ion: 91 Resp: 184398

Ion Ratio Lower Upper

91 100

92 58.1 39.3 72.9



#52

Ethylbenzene

Concen: 0.608 ug/L

RT: 9.018 min Scan# 2481

Delta R.T. 0.007 min

Lab File: VV023145.D

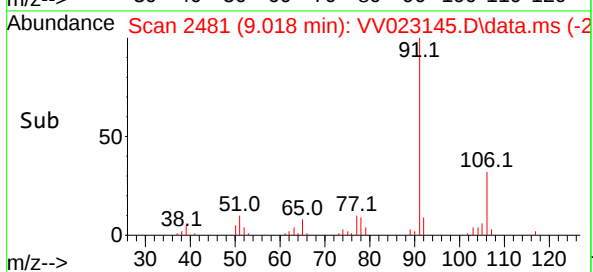
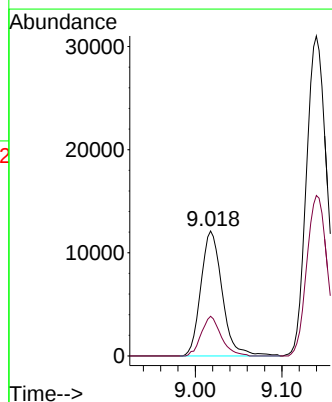
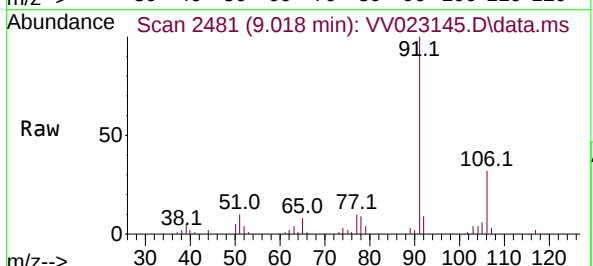
Acq: 02 Nov 2021 13:58

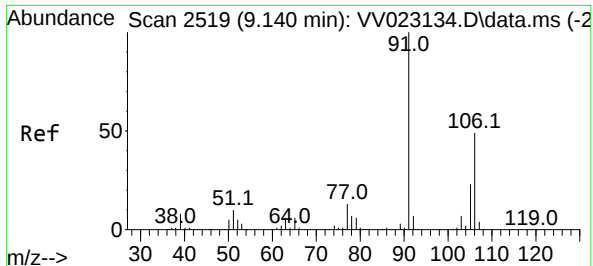
Tgt Ion: 91 Resp: 20778

Ion Ratio Lower Upper

91 100

106 31.8 22.5 41.9

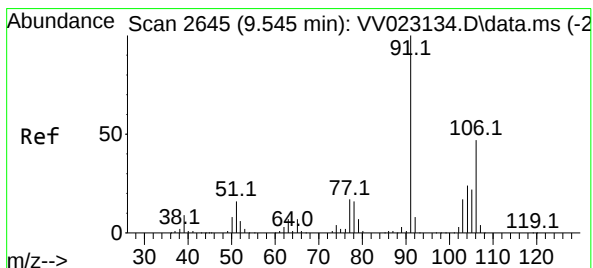
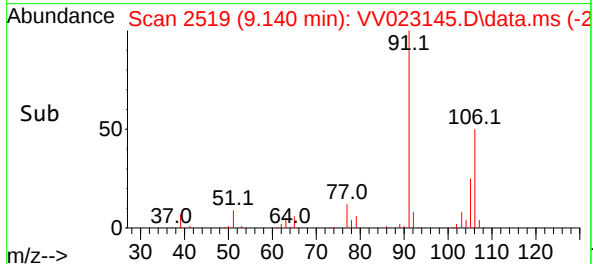
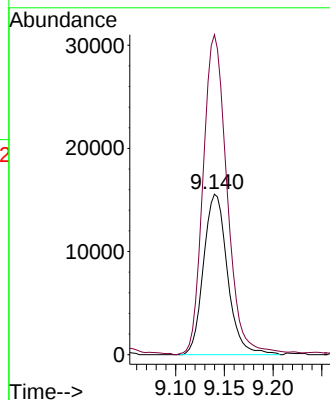
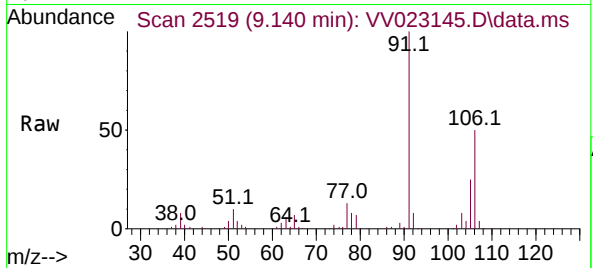




#53  
m,p-xylene  
Concen: 1.945 ug/L  
RT: 9.140 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV023145.D  
Acq: 02 Nov 2021 13:58

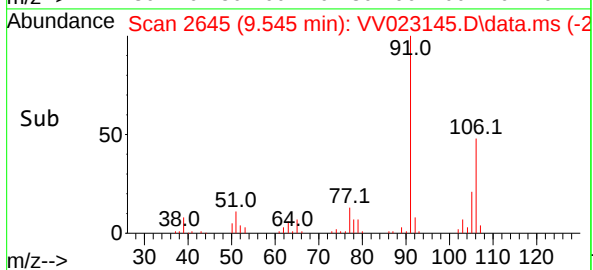
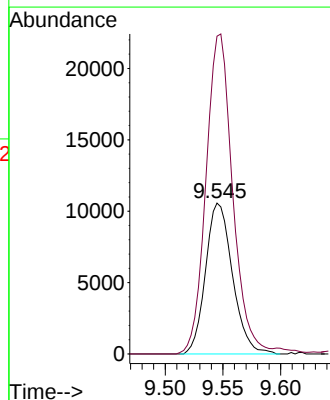
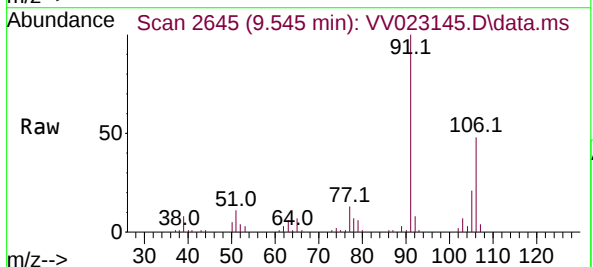
Instrument :  
MSVOA\_V  
ClientSampleId :

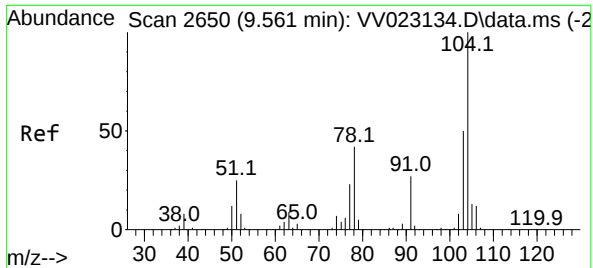
Tgt Ion:106 Resp: 26649  
Ion Ratio Lower Upper  
106 100  
91 199.4 137.2 254.8



#54  
o-xylene  
Concen: 1.330 ug/L  
RT: 9.545 min Scan# 2645  
Delta R.T. 0.000 min  
Lab File: VV023145.D  
Acq: 02 Nov 2021 13:58

Tgt Ion:106 Resp: 17158  
Ion Ratio Lower Upper  
106 100  
91 210.5 148.3 275.5

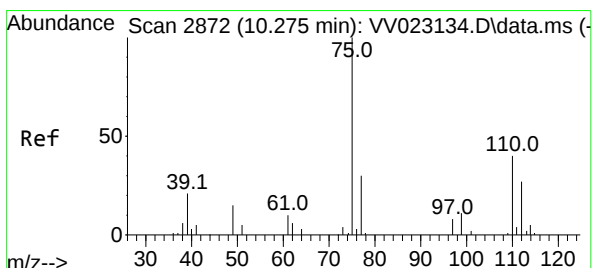
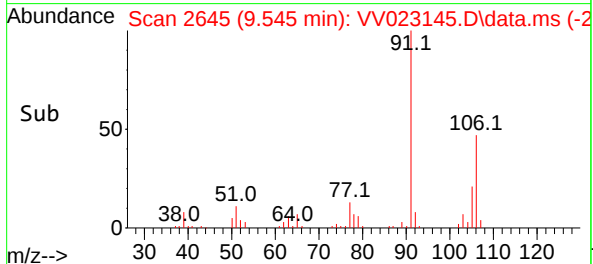
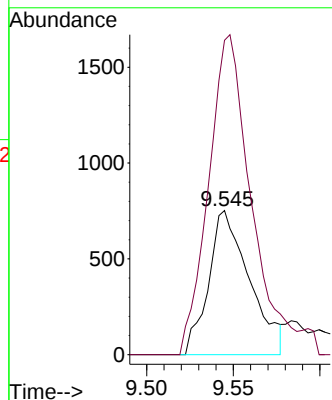
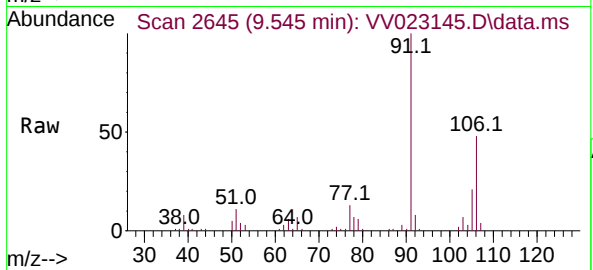




#55  
Styrene  
Concen: 0.055 ug/L  
RT: 9.545 min Scan# 2645  
Delta R.T. -0.016 min  
Lab File: VV023145.D  
Acq: 02 Nov 2021 13:58

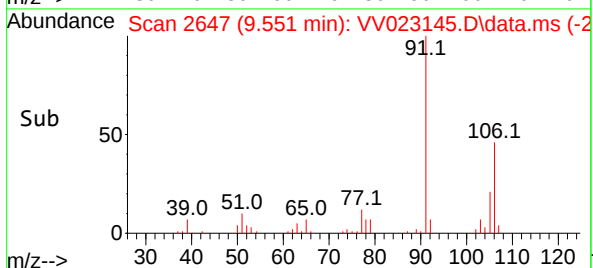
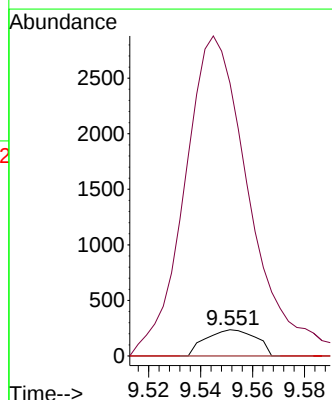
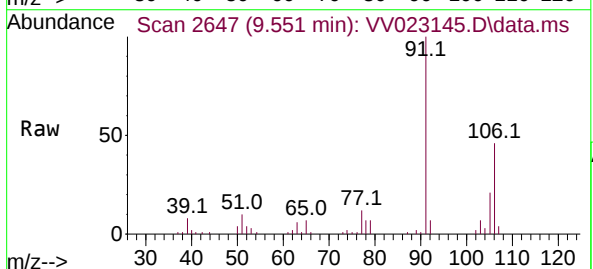
Instrument :  
MSVOA\_V  
ClientSampleId :

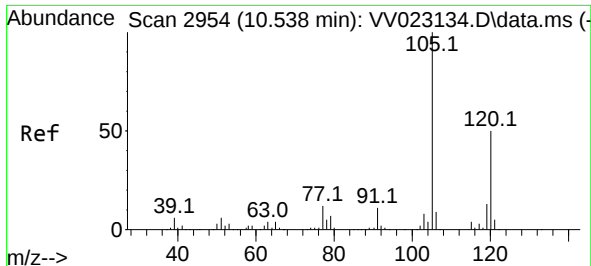
Tgt Ion:104 Resp: 1233  
Ion Ratio Lower Upper  
104 100  
78 218.2 29.3 54.3#



#61  
1,2,3-Trichloropropane  
Concen: 0.071 ug/L  
RT: 9.551 min Scan# 2647  
Delta R.T. -0.723 min  
Lab File: VV023145.D  
Acq: 02 Nov 2021 13:58

Tgt Ion: 75 Resp: 318  
Ion Ratio Lower Upper  
75 100  
77 1572.0 26.6 39.8#  
110 0.0 31.8 47.6#





#62

1,3,5-Trimethylbenzene

Concen: 0.184 ug/L

RT: 10.545 min Scan# 2954

Delta R.T. 0.007 min

Lab File: VV023145.D

Acq: 02 Nov 2021 13:58

Instrument :

MSVOA\_V

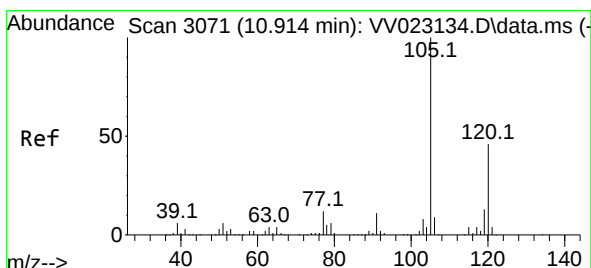
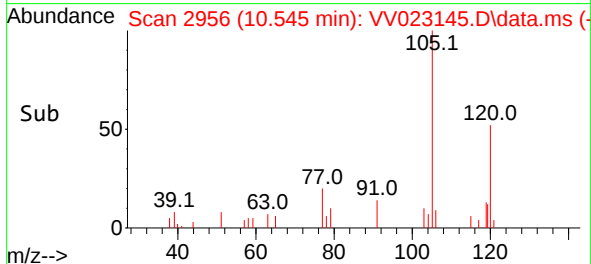
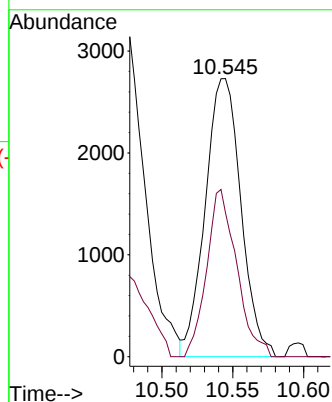
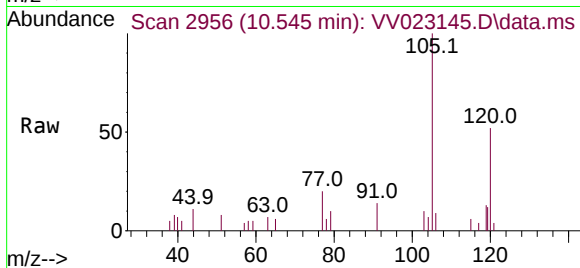
ClientSampleId :

Tgt Ion:105 Resp: 4777

Ion Ratio Lower Upper

105 100

120 50.6 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 0.849 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.000 min

Lab File: VV023145.D

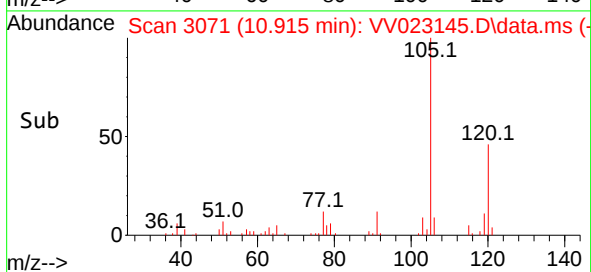
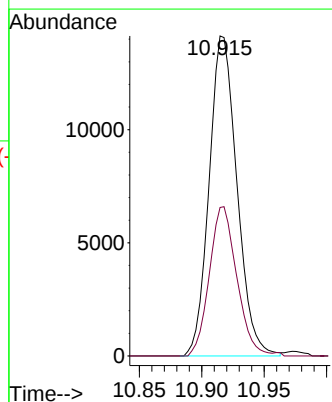
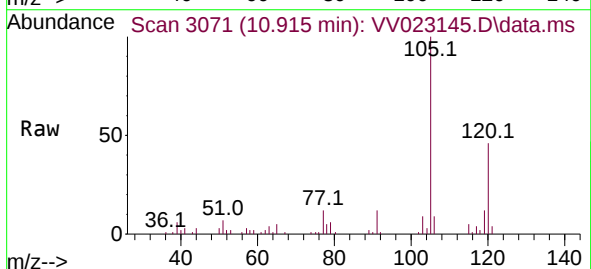
Acq: 02 Nov 2021 13:58

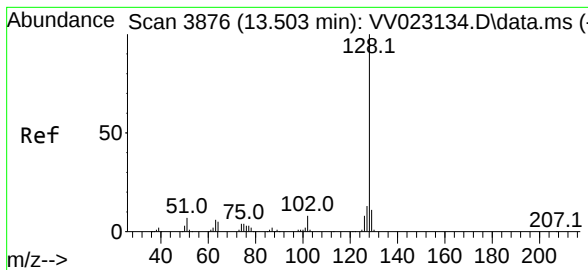
Tgt Ion:105 Resp: 21999

Ion Ratio Lower Upper

105 100

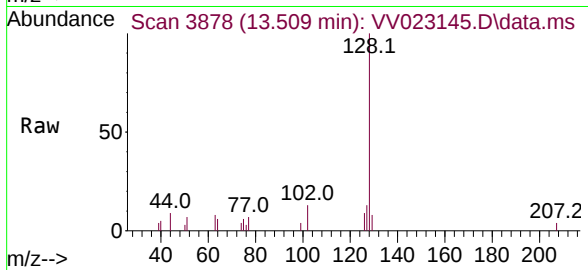
120 46.1 37.4 56.2





#71  
Naphthalene  
Concen: 0.369 ug/L  
RT: 13.509 min Scan# 3878  
Delta R.T. 0.007 min  
Lab File: VV023145.D  
Acq: 02 Nov 2021 13:58

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion:128 Resp: 5433  
Ion Ratio Lower Upper  
128 100  
129 9.6 8.6 13.0  
127 12.8 10.5 15.7

