

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120721\  
 Data File : VX025577.D  
 Acq On : 07 Dec 2021 14:20  
 Operator : JC/MD  
 Sample : M4881-19ME  
 Misc : 3.86g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EW9F5ME

Quant Time: Dec 08 05:34:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML112221WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 08 05:26:42 2021  
 Response via : Initial Calibration

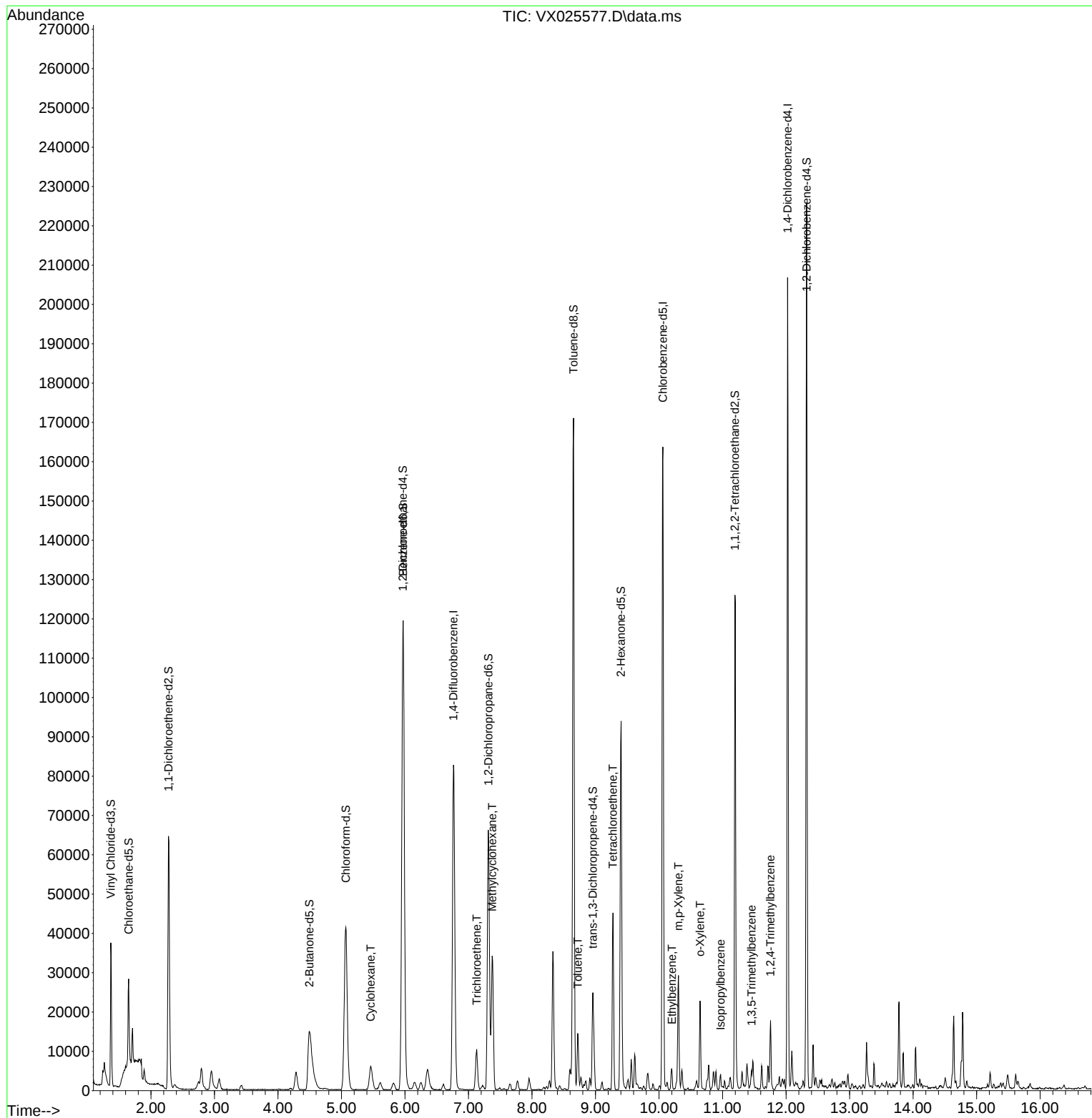
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.763   | 114   | 96486    | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.061  | 117   | 85636    | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024  | 152   | 43757    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368   | 65    | 25423    | 38.609   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 77.220%  |
| 7) Chloroethane-d5            | 1.648   | 69    | 13822    | 25.433   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 50.860%# |
| 11) 1,1-Dichloroethene-d2     | 2.276   | 63    | 39090    | 37.232   | ug/L   | -0.03    |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 74.460%  |
| 21) 2-Butanone-d5             | 4.495   | 46    | 45321    | 92.461   | ug/L   | 0.04     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 92.460%  |
| 24) Chloroform-d              | 5.068   | 84    | 55347    | 48.094   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.180%  |
| 26) 1,2-Dichloroethane-d4     | 5.964   | 65    | 36348    | 50.672   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 101.340% |
| 32) Benzene-d6                | 5.970   | 84    | 118481   | 52.203   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 104.400% |
| 36) 1,2-Dichloropropane-d6    | 7.312   | 67    | 36050    | 51.302   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 102.600% |
| 41) Toluene-d8                | 8.653   | 98    | 107731   | 50.288   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 100.580% |
| 43) trans-1,3-Dichloroprop... | 8.958   | 79    | 12227    | 34.609   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 69.220%  |
| 47) 2-Hexanone-d5             | 9.403   | 63    | 32327    | 88.377   | ug/L   | 0.02     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 88.380%  |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195  | 84    | 47430    | 47.759   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 95.520%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.323  | 152   | 43650    | 50.861   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 101.720% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 29) Cyclohexane               | 5.458   | 56    | 4142     | 4.721    | ug/L   | 99       |
| 34) Trichloroethene           | 7.129   | 95    | 3477     | 5.778    | ug/L   | 96       |
| 35) Methylcyclohexane         | 7.373   | 83    | 15143    | 15.989   | ug/L   | 96       |
| 42) Toluene                   | 8.720   | 91    | 9912     | 3.929    | ug/L   | 94       |
| 46) Tetrachloroethene         | 9.275   | 164   | 9132     | 17.895   | ug/L   | 98       |
| 52) Ethylbenzene              | 10.201  | 91    | 3623     | 1.336    | ug/L   | 97       |
| 53) m,p-Xylene                | 10.305  | 106   | 7308     | 6.654    | ug/L   | 91       |
| 54) o-Xylene                  | 10.646  | 106   | 5071     | 4.612    | ug/L   | 99       |
| 60) Isopropylbenzene          | 10.969  | 105   | 2304     | 0.819    | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 11.457  | 105   | 2146     | 0.912    | ug/L   | 96       |
| 63) 1,2,4-Trimethylbenzene    | 11.756  | 105   | 6735     | 2.834    | ug/L # | 80       |
| -----                         |         |       |          |          |        |          |

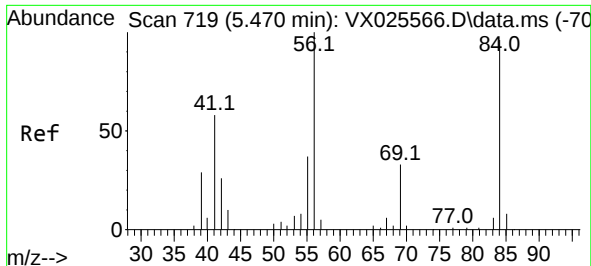
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Wed Dec 08 05:26:42 2021  
Response via : Initial Calibration





#29

Cyclohexane

Concen: 4.721 ug/L

RT: 5.458 min Scan# 719

Delta R.T. -0.012 min

Lab File: VX025577.D

Acq: 07 Dec 2021 14:20

Instrument :

MSVOA\_X

ClientSampleId :

EW9F5ME

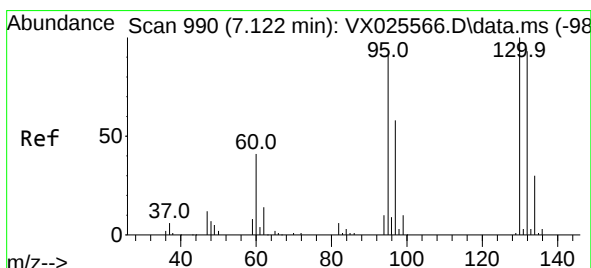
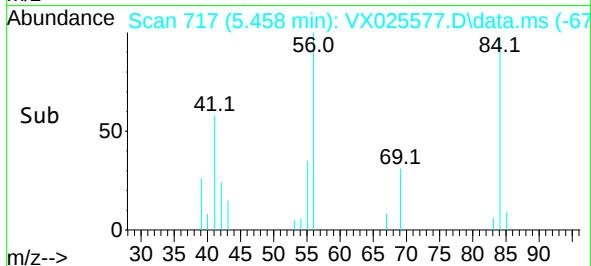
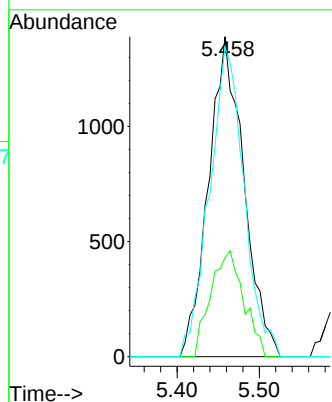
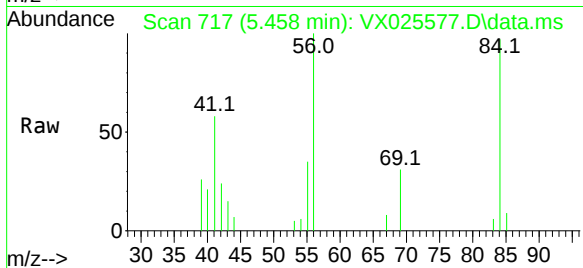
Tgt Ion: 56 Resp: 4142

Ion Ratio Lower Upper

56 100

69 31.0 25.4 38.2

84 95.2 76.6 114.8



#34

Trichloroethene

Concen: 5.778 ug/L

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX025577.D

Acq: 07 Dec 2021 14:20

Tgt Ion: 95 Resp: 3477

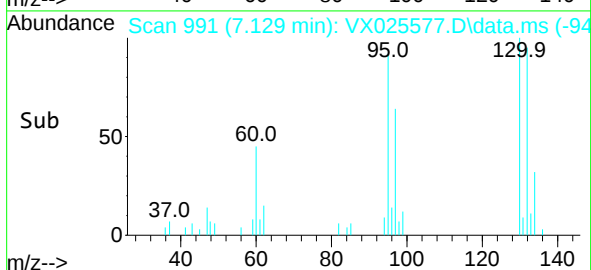
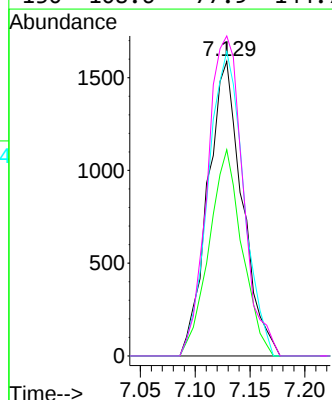
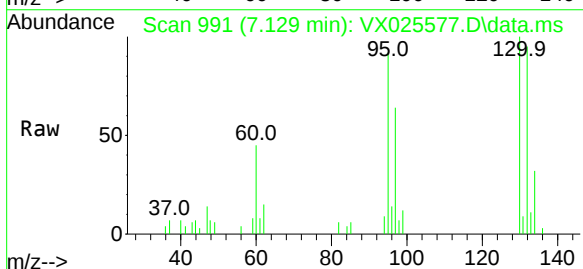
Ion Ratio Lower Upper

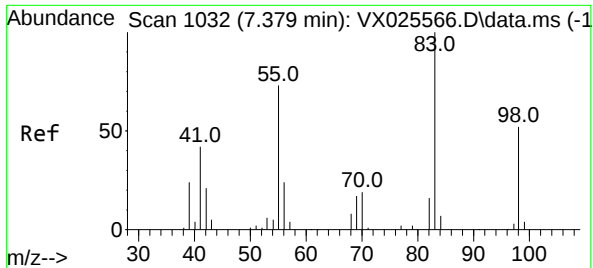
95 100

97 70.0 46.0 85.4

132 103.3 75.0 139.2

130 108.6 77.9 144.7





#35

Methylcyclohexane

Concen: 15.989 ug/L

RT: 7.373 min Scan# 1031

Delta R.T. -0.006 min

Lab File: VX025577.D

Acq: 07 Dec 2021 14:20

Instrument :

MSVOA\_X

ClientSampleId :

EW9F5ME

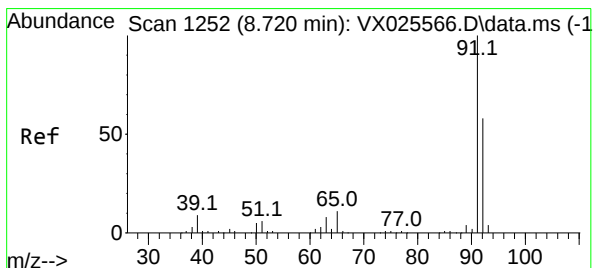
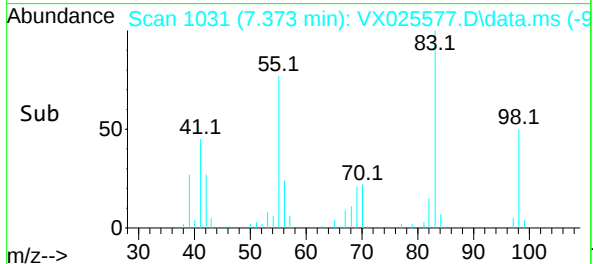
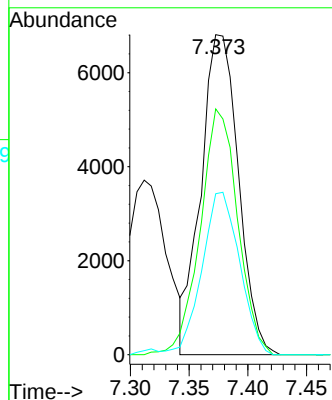
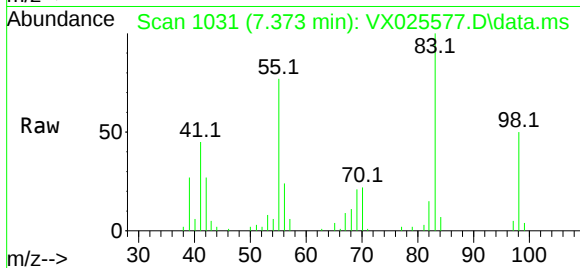
Tgt Ion: 83 Resp: 15143

Ion Ratio Lower Upper

83 100

55 76.6 57.3 85.9

98 51.0 41.1 61.7



#42

Toluene

Concen: 3.929 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX025577.D

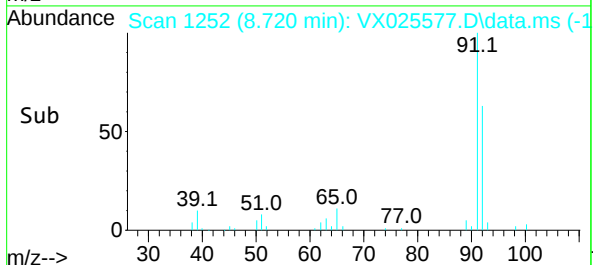
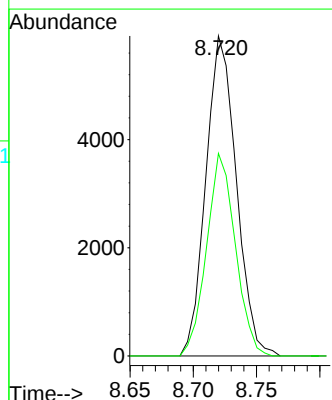
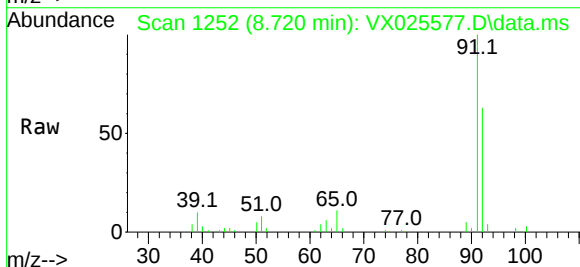
Acq: 07 Dec 2021 14:20

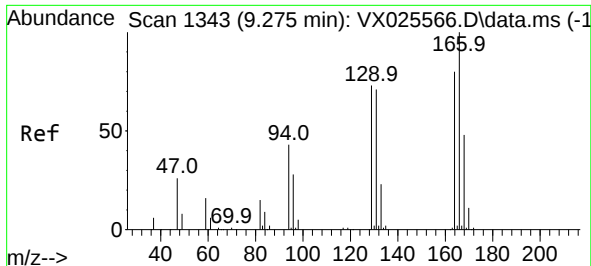
Tgt Ion: 91 Resp: 9912

Ion Ratio Lower Upper

91 100

92 63.3 41.2 76.6

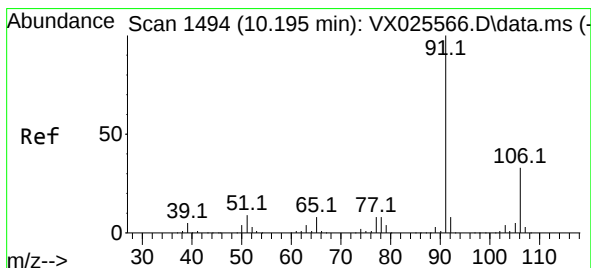
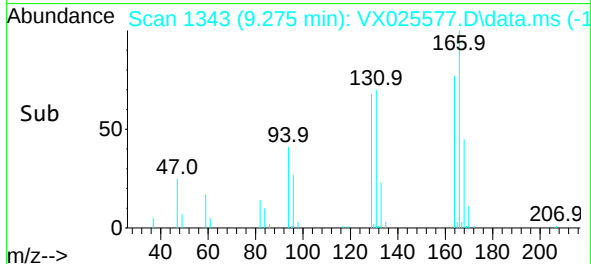
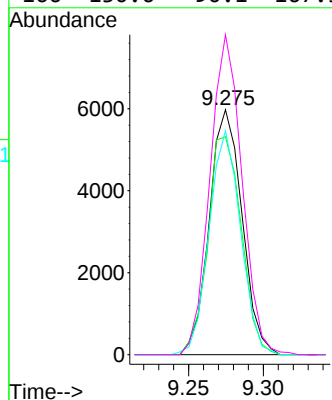
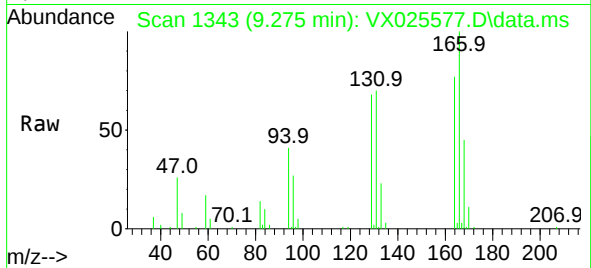




#46  
Tetrachloroethene  
Concen: 17.895 ug/L  
RT: 9.275 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX025577.D  
Acq: 07 Dec 2021 14:20

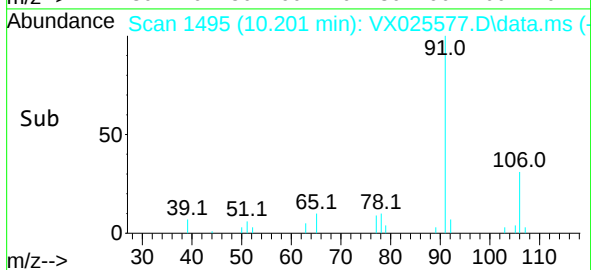
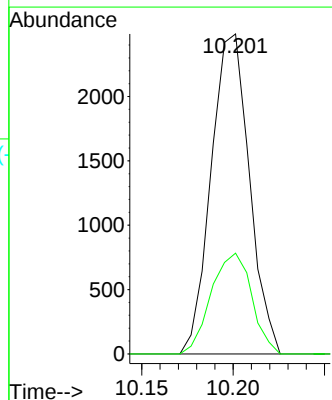
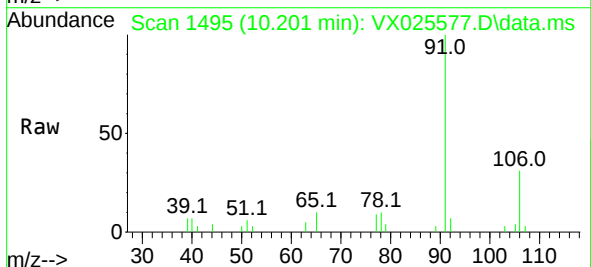
Instrument :  
MSVOA\_X  
ClientSampleId :  
EW9F5ME

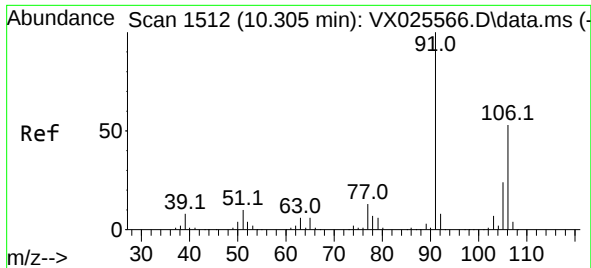
Tgt Ion:164 Resp: 9132  
Ion Ratio Lower Upper  
164 100  
129 89.0 64.7 120.1  
131 91.4 63.2 117.4  
166 130.6 90.1 167.3



#52  
Ethylbenzene  
Concen: 1.336 ug/L  
RT: 10.201 min Scan# 1495  
Delta R.T. 0.006 min  
Lab File: VX025577.D  
Acq: 07 Dec 2021 14:20

Tgt Ion: 91 Resp: 3623  
Ion Ratio Lower Upper  
91 100  
106 31.5 23.1 42.9

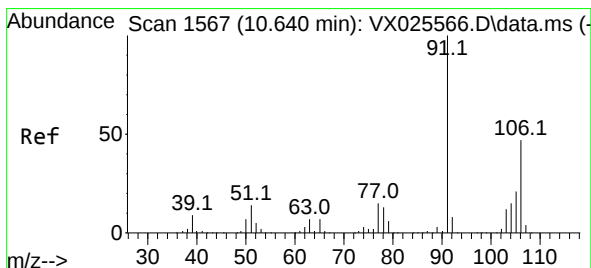
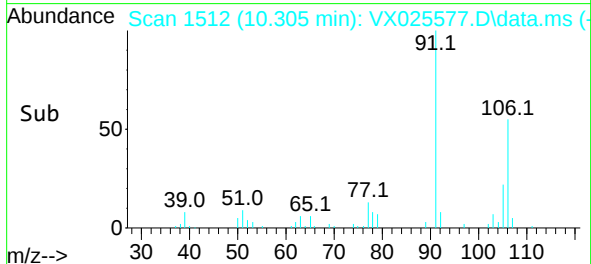
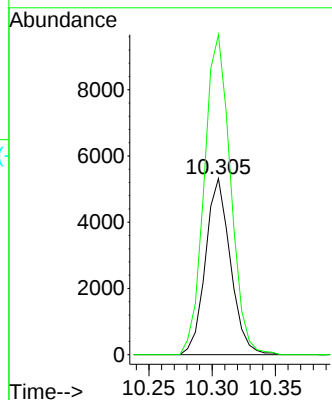
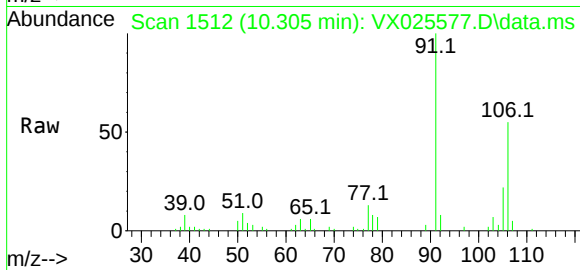




#53  
m,p-Xylene  
Concen: 6.654 ug/L  
RT: 10.305 min Scan# 1512  
Delta R.T. 0.000 min  
Lab File: VX025577.D  
Acq: 07 Dec 2021 14:20

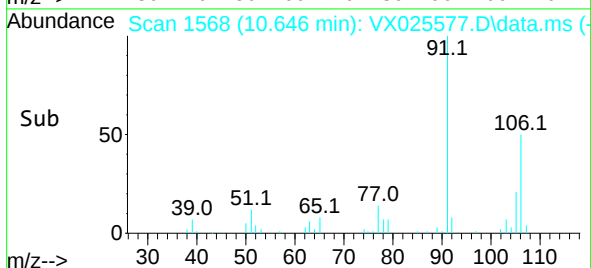
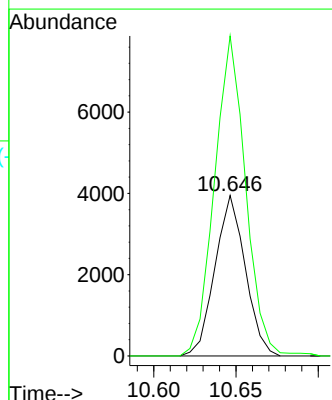
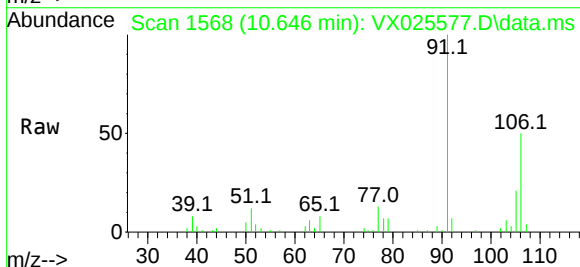
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ClientSampleId :  
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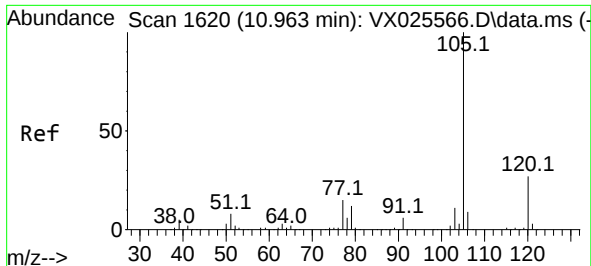
Tgt Ion:106 Resp: 7308  
Ion Ratio Lower Upper  
106 100  
91 181.6 136.8 254.2



#54  
o-Xylene  
Concen: 4.612 ug/L  
RT: 10.646 min Scan# 1568  
Delta R.T. 0.006 min  
Lab File: VX025577.D  
Acq: 07 Dec 2021 14:20

Tgt Ion:106 Resp: 5071  
Ion Ratio Lower Upper  
106 100  
91 199.3 140.5 260.9

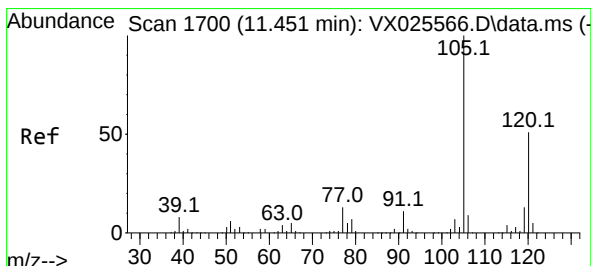
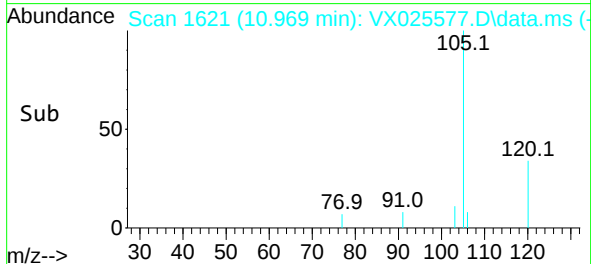
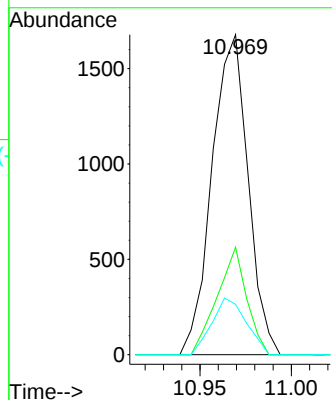
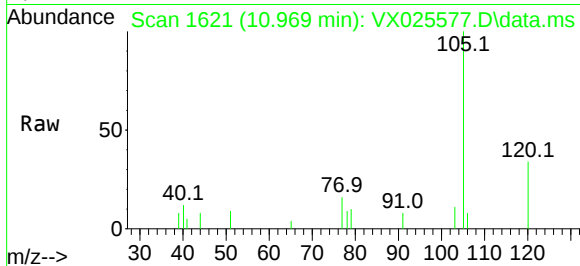




#60  
Isopropylbenzene  
Concen: 0.819 ug/L  
RT: 10.969 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VX025577.D  
Acq: 07 Dec 2021 14:20

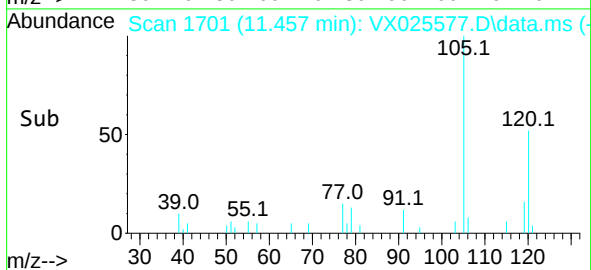
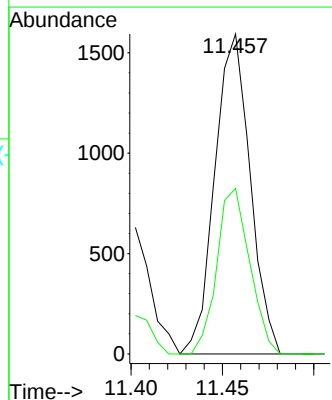
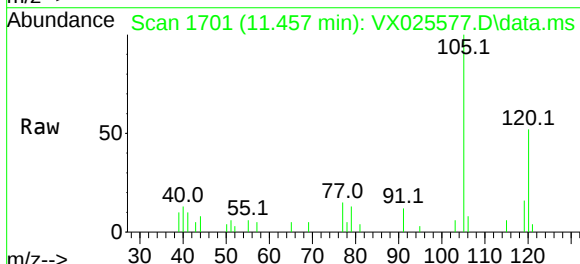
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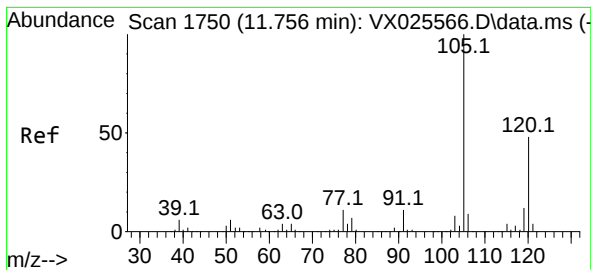
Tgt Ion:105 Resp: 2304  
Ion Ratio Lower Upper  
105 100  
120 27.6 22.3 33.5  
77 17.0 11.5 17.3



#62  
1,3,5-Trimethylbenzene  
Concen: 0.912 ug/L  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.006 min  
Lab File: VX025577.D  
Acq: 07 Dec 2021 14:20

Tgt Ion:105 Resp: 2146  
Ion Ratio Lower Upper  
105 100  
120 48.2 41.0 61.4





#63

1,2,4-Trimethylbenzene

Concen: 2.834 ug/L

RT: 11.756 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX025577.D

Acq: 07 Dec 2021 14:20

Instrument :

MSVOA\_X

ClientSampleId :

EW9F5ME

Tgt Ion:105 Resp: 6735

Ion Ratio Lower Upper

105 100

120 46.4 0.1 0.1#

