

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW010622\  
 Data File : VW024288.D  
 Acq On : 06 Jan 2022 11:52  
 Operator : SY/MD  
 Sample : N1025-07DL 5X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jan 07 01:37:10 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM123121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jan 07 01:34:41 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616   | 114   | 241295   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850   | 117   | 229511   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246  | 152   | 124697   | 50.000   | ug/L   | 0.00     |
|                               |         |       |          |          |        |          |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307   | 65    | 76561    | 44.087   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 88.180%  |
| 7) Chloroethane-d5            | 1.571   | 69    | 60276    | 45.691   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 91.380%  |
| 11) 1,1-Dichloroethene-d2     | 2.108   | 63    | 113323   | 34.916   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 69.840%  |
| 21) 2-Butanone-d5             | 3.879   | 46    | 83265    | 86.060   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 86.060%  |
| 24) Chloroform-d              | 4.346   | 84    | 147293   | 46.408   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.820%  |
| 26) 1,2-Dichloroethane-d4     | 5.031   | 65    | 101656   | 47.839   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.680%  |
| 32) Benzene-d6                | 5.047   | 84    | 278322   | 46.470   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.940%  |
| 36) 1,2-Dichloropropane-d6    | 6.066   | 67    | 80899    | 48.197   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 96.400%  |
| 41) Toluene-d8                | 7.313   | 98    | 270666   | 46.675   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 93.360%  |
| 43) trans-1,3-Dichloroprop... | 7.619   | 79    | 44932    | 46.488   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 92.980%  |
| 47) 2-Hexanone-d5             | 8.085   | 63    | 60529    | 83.002   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 83.000%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214  | 84    | 105776   | 44.097   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 88.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622  | 152   | 125173   | 50.361   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 100.720% |
|                               |         |       |          |          |        |          |
| Target Compounds              |         |       |          |          |        | Qvalue   |
| 13) Acetone                   | 2.182   | 43    | 7659     | 8.018    | ug/L   | 87       |
| 19) 1,1-Dichloroethane        | 3.191   | 63    | 1858     | 0.740    | ug/L # | 80       |
| 20) cis-1,2-Dichloroethene    | 3.912   | 96    | 12892    | 7.970    | ug/L   | 88       |
| 33) Benzene                   | 5.101   | 78    | 75012    | 12.854   | ug/L   | 100      |
| 37) 1,2-Dichloropropane       | 6.066   | 63    | 10510    | 7.657    | ug/L # | 84       |
| 42) Toluene                   | 7.387   | 91    | 258645   | 39.482   | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.619   | 75    | 2505     | 1.070    | ug/L   | 87       |
| 51) Chlorobenzene             | 8.879   | 112   | 5831     | 1.322    | ug/L   | 94       |
| 52) Ethylbenzene              | 9.011   | 91    | 59957    | 8.567    | ug/L   | 99       |
| 53) m,p-Xylene                | 9.140   | 106   | 25190    | 8.980    | ug/L   | 93       |
| 54) o-Xylene                  | 9.545   | 106   | 12706    | 4.745    | ug/L   | 90       |
| 60) Isopropylbenzene          | 9.931   | 105   | 16799    | 2.435    | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.915  | 105   | 51232    | 8.646    | ug/L   | 100      |
| 67) 1,2-Dichlorobenzene       | 11.641  | 146   | 7449     | 2.032    | ug/L # | 85       |
| 70) 1,2,4-trichlorobenzene    | 13.265  | 180   | 3313     | 1.416    | ug/L # | 94       |
| 71) Naphthalene               | 13.503  | 128   | 96729    | 14.285   | ug/L   | 99       |
| -----                         |         |       |          |          |        |          |

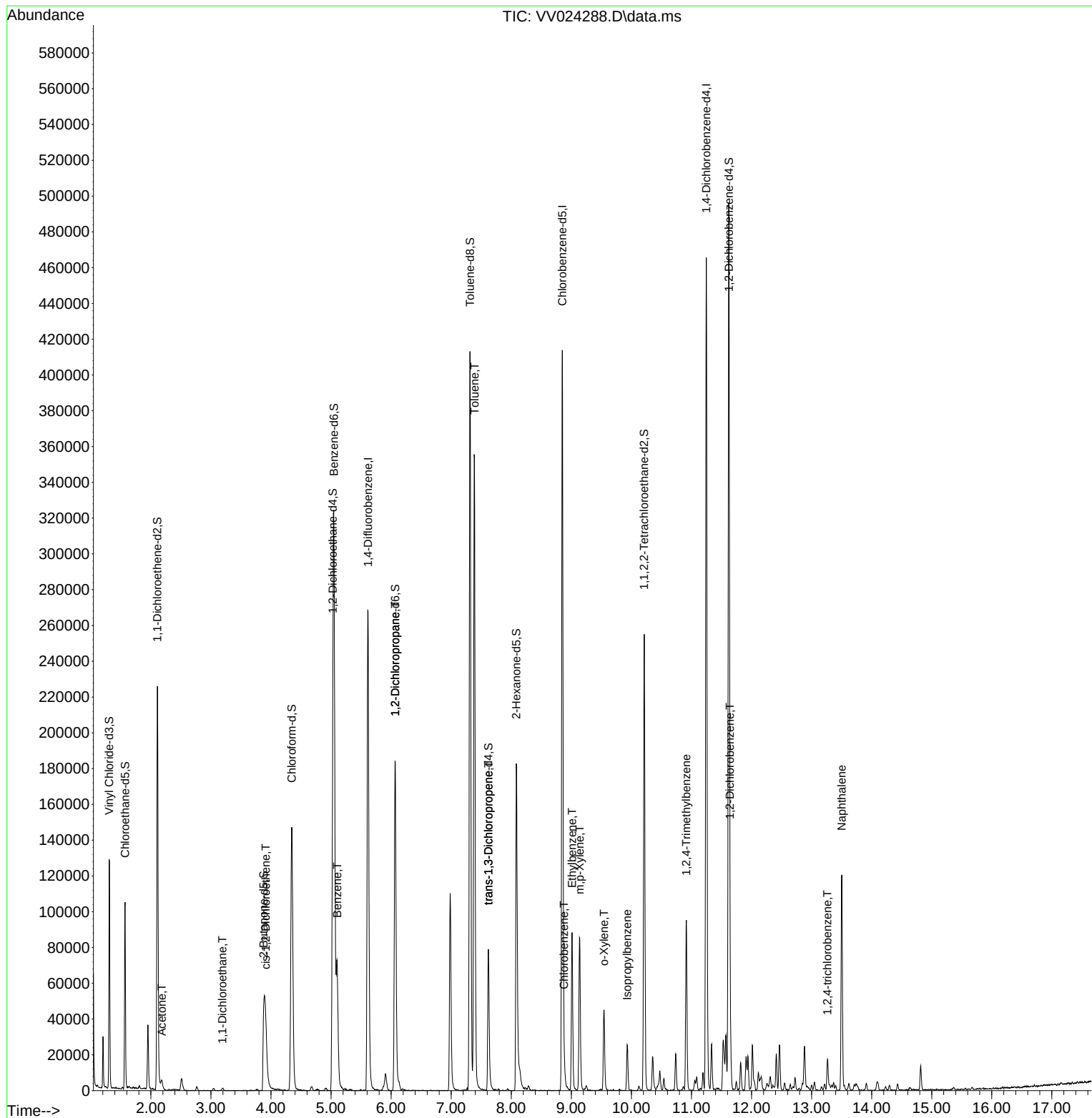
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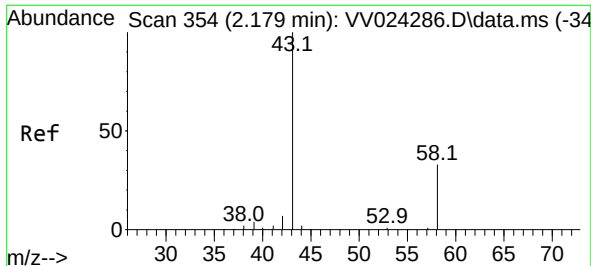
Instrument :  
MSVOA\_V  
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV010622\  
Data File : VV024288.D  
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Quant Time: Jan 07 01:37:10 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM123121WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Jan 07 01:34:41 2022  
Response via : Initial Calibration





#13

Acetone

Concen: 8.018 ug/L

RT: 2.182 min Scan# 354

Delta R.T. 0.003 min

Lab File: VV024288.D

Acq: 06 Jan 2022 11:52

Instrument :

MSVOA\_V

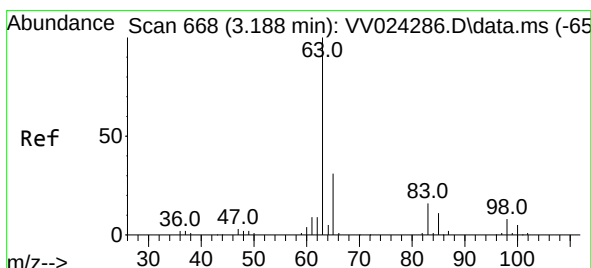
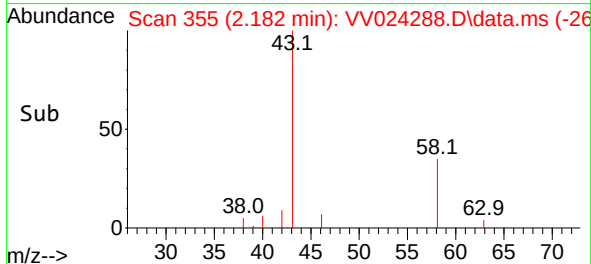
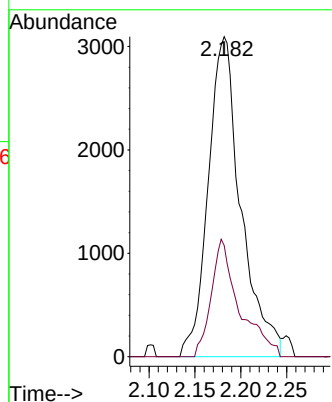
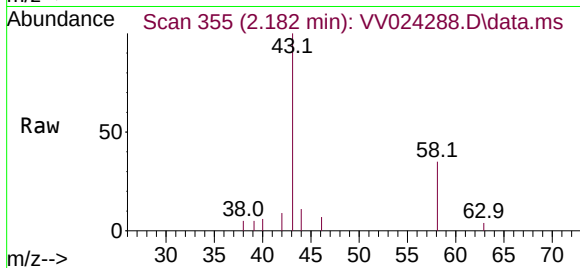
ClientSampleId :

Tgt Ion: 43 Resp: 7659

Ion Ratio Lower Upper

43 100

58 24.4 0.0 63.0



#19

1,1-Dichloroethane

Concen: 0.740 ug/L

RT: 3.191 min Scan# 669

Delta R.T. 0.003 min

Lab File: VV024288.D

Acq: 06 Jan 2022 11:52

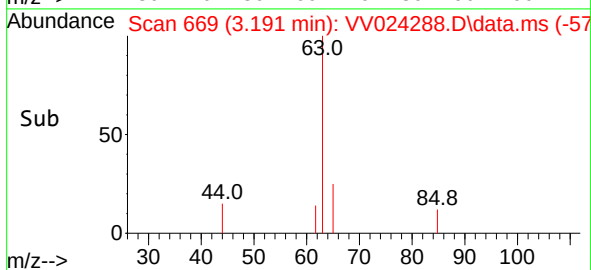
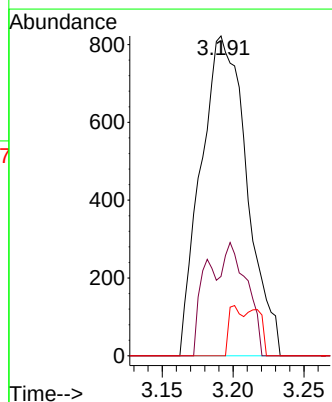
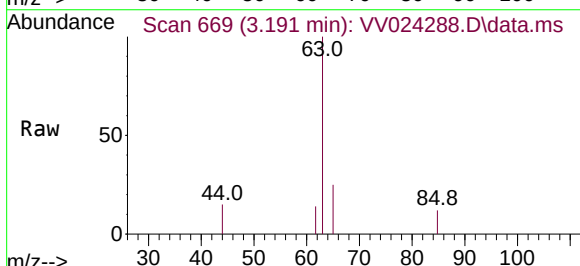
Tgt Ion: 63 Resp: 1858

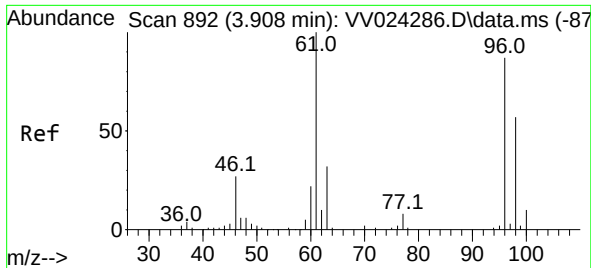
Ion Ratio Lower Upper

63 100

65 24.8 22.4 41.6

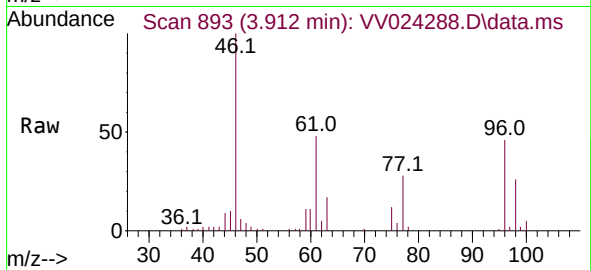
83 0.0 10.6 19.6#



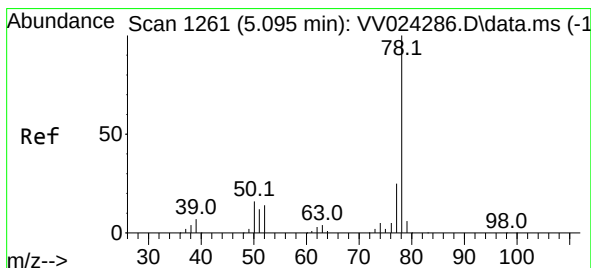
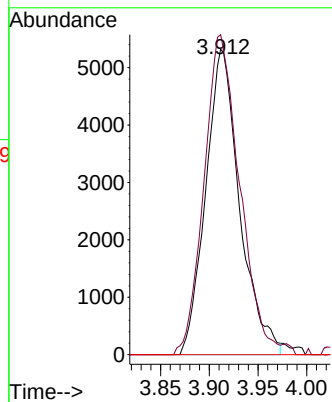
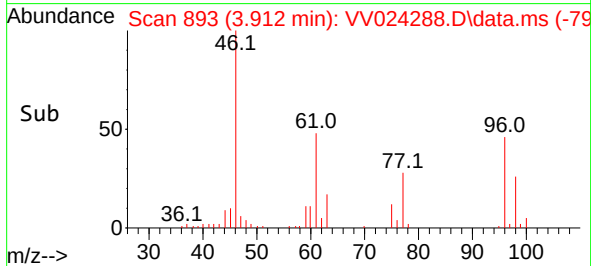


#20  
 cis-1,2-Dichloroethene  
 Concen: 7.970 ug/L  
 RT: 3.912 min Scan# 89  
 Delta R.T. 0.003 min  
 Lab File: VV024288.D  
 Acq: 06 Jan 2022 11:52

Instrument :  
 MSVOA\_V  
 ClientSampleId :

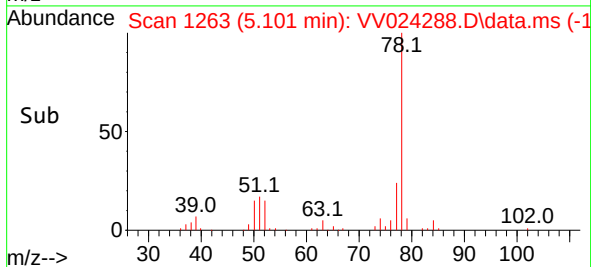
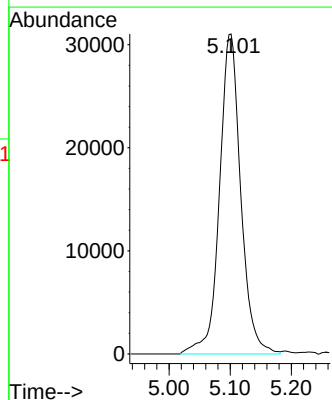
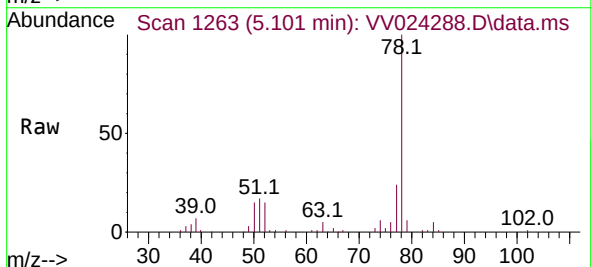


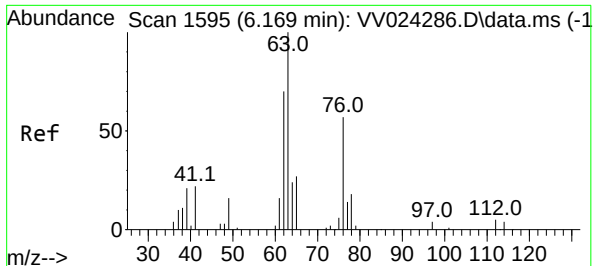
Tgt Ion: 96 Resp: 12892  
 Ion Ratio Lower Upper  
 96 100  
 61 104.6 82.9 153.9  
 68 0.0 0.0 0.0



#33  
 Benzene  
 Concen: 12.854 ug/L  
 RT: 5.101 min Scan# 1263  
 Delta R.T. 0.006 min  
 Lab File: VV024288.D  
 Acq: 06 Jan 2022 11:52

Tgt Ion: 78 Resp: 75012





#37

1,2-Dichloropropane

Concen: 7.657 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV024288.D

Acq: 06 Jan 2022 11:52

Instrument :

MSVOA\_V

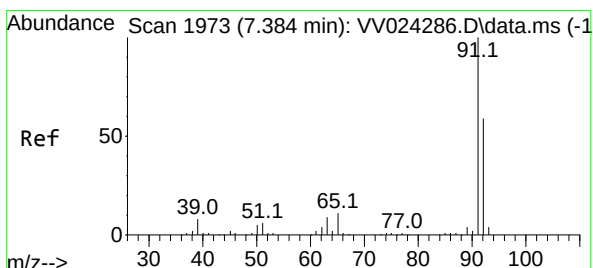
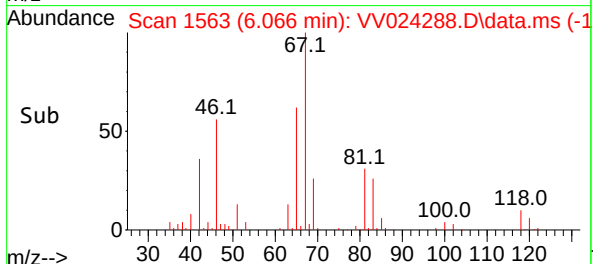
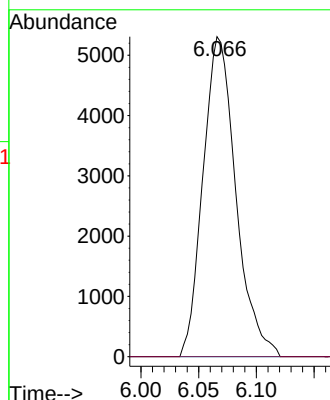
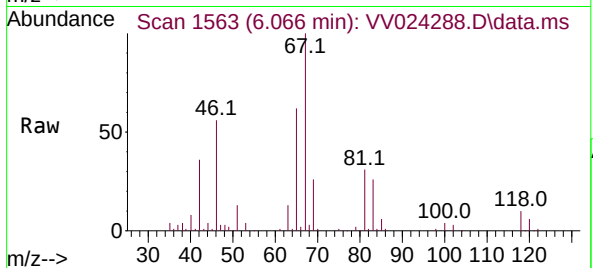
ClientSampleId :

Tgt Ion: 63 Resp: 10510

Ion Ratio Lower Upper

63 100

112 0.7 4.7 7.1#



#42

Toluene

Concen: 39.482 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. 0.003 min

Lab File: VV024288.D

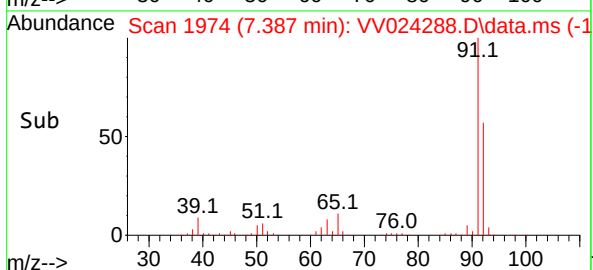
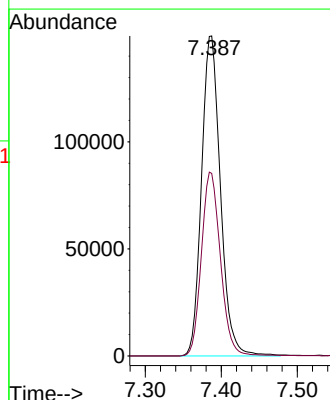
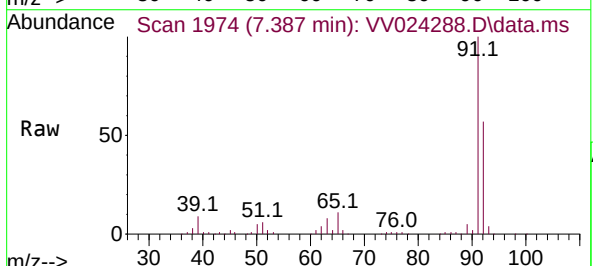
Acq: 06 Jan 2022 11:52

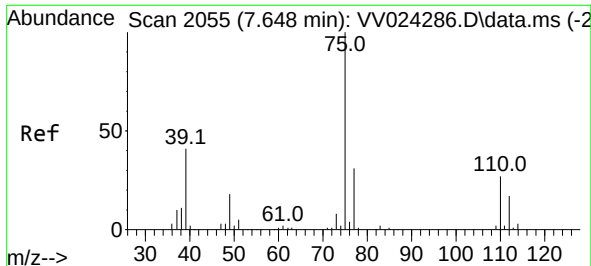
Tgt Ion: 91 Resp: 258645

Ion Ratio Lower Upper

91 100

92 57.0 40.4 75.0

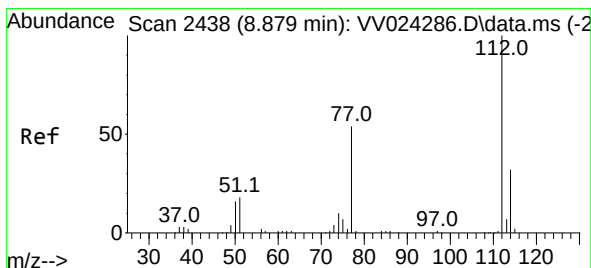
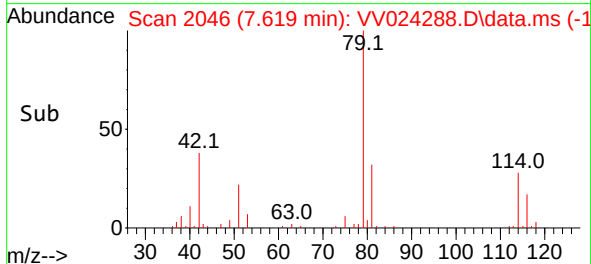
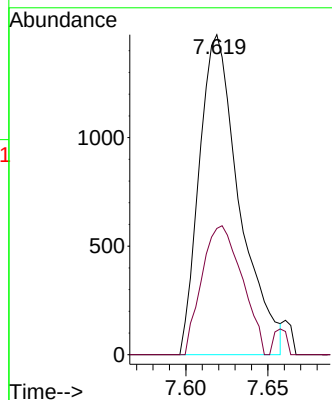
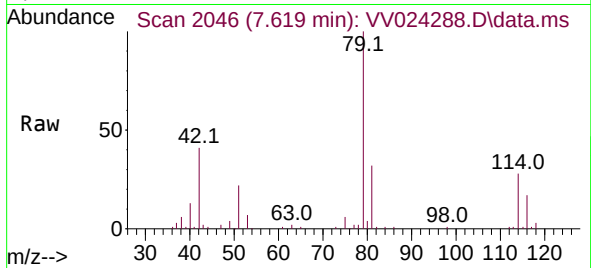




#44  
trans-1,3-Dichloropropene  
Concen: 1.070 ug/L  
RT: 7.619 min Scan# 2055  
Delta R.T. -0.029 min  
Lab File: VV024288.D  
Acq: 06 Jan 2022 11:52

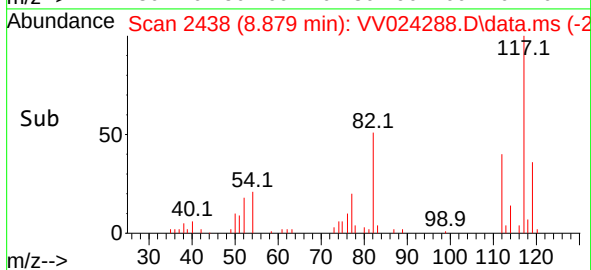
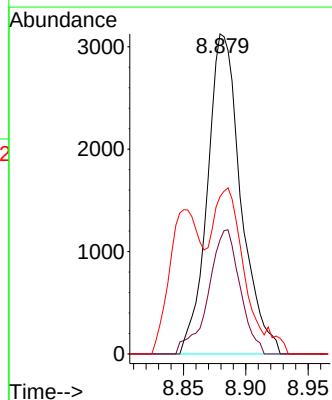
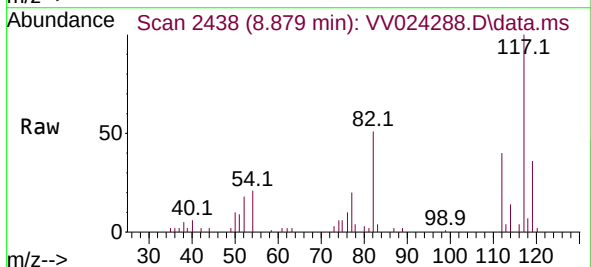
Instrument :  
MSVOA\_V  
ClientSampleId :

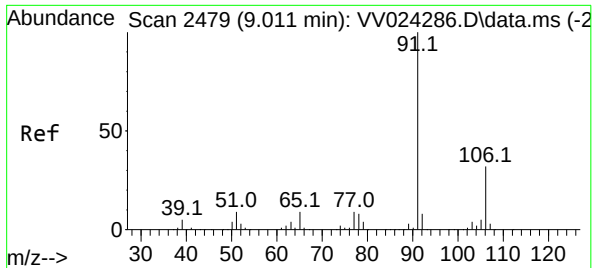
Tgt Ion: 75 Resp: 2505  
Ion Ratio Lower Upper  
75 100  
77 39.5 22.7 42.1



#51  
Chlorobenzene  
Concen: 1.322 ug/L  
RT: 8.879 min Scan# 2438  
Delta R.T. -0.000 min  
Lab File: VV024288.D  
Acq: 06 Jan 2022 11:52

Tgt Ion: 112 Resp: 5831  
Ion Ratio Lower Upper  
112 100  
114 35.6 22.3 41.5  
77 49.2 42.8 64.2





#52

Ethylbenzene

Concen: 8.567 ug/L

RT: 9.011 min Scan# 2479

Delta R.T. -0.000 min

Lab File: VV024288.D

Acq: 06 Jan 2022 11:52

Instrument :

MSVOA\_V

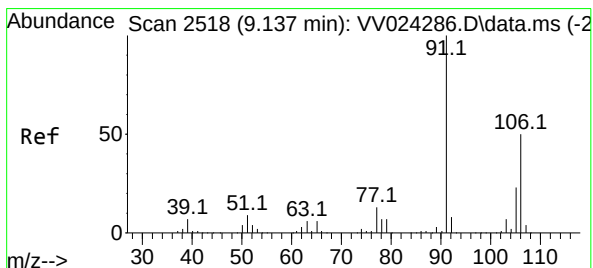
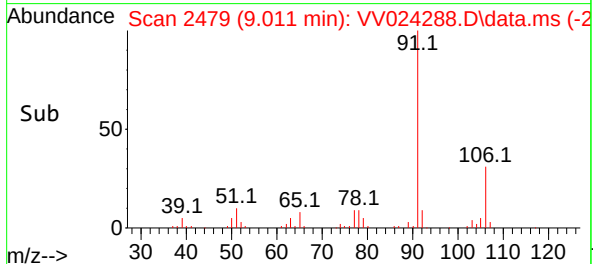
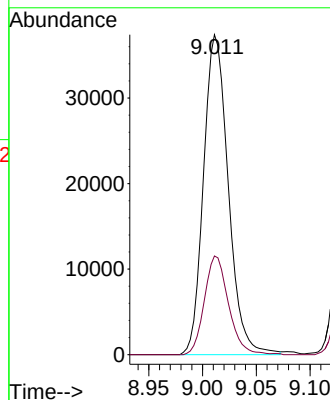
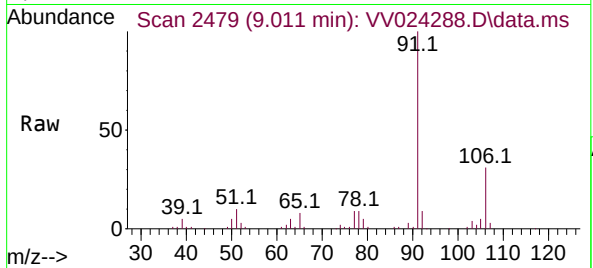
ClientSampleId :

Tgt Ion: 91 Resp: 59957

Ion Ratio Lower Upper

91 100

106 30.9 22.0 41.0



#53

m,p-Xylene

Concen: 8.980 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.003 min

Lab File: VV024288.D

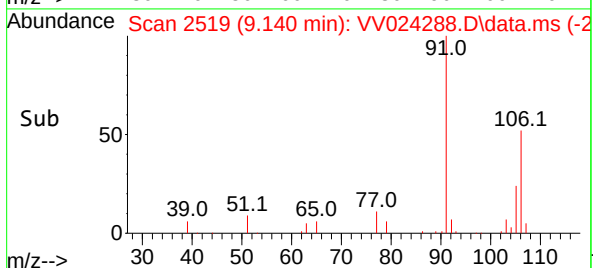
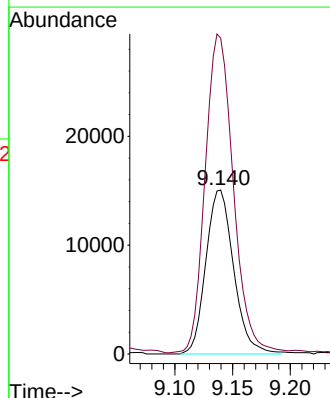
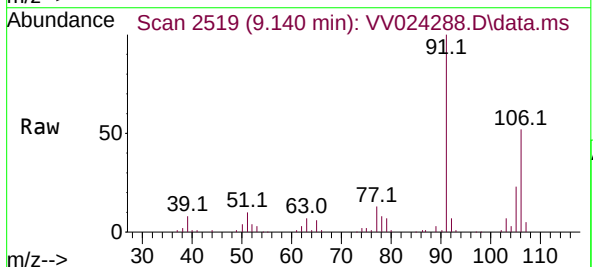
Acq: 06 Jan 2022 11:52

Tgt Ion:106 Resp: 25190

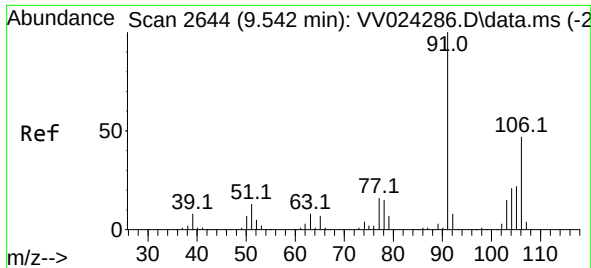
Ion Ratio Lower Upper

106 100

91 192.7 141.8 263.4



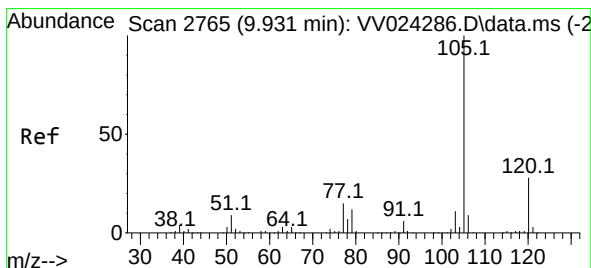
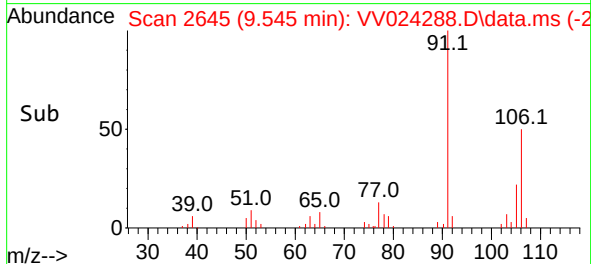
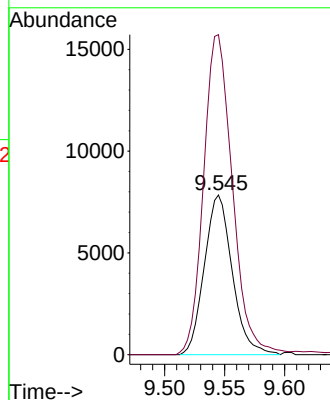
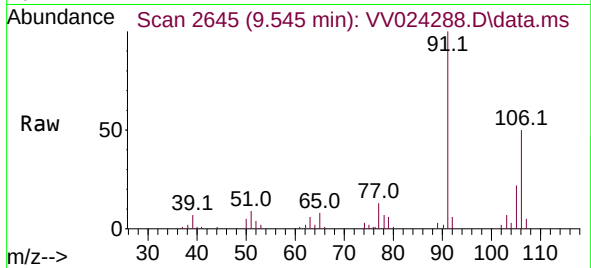




#54  
o-Xylene  
Concen: 4.745 ug/L  
RT: 9.545 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV024288.D  
Acq: 06 Jan 2022 11:52

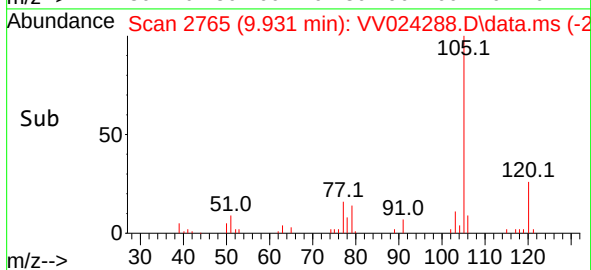
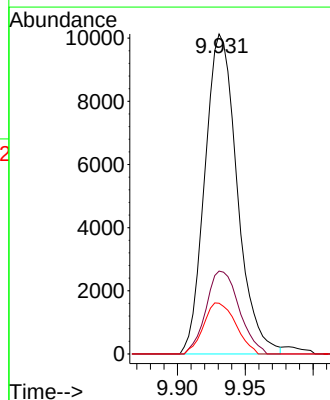
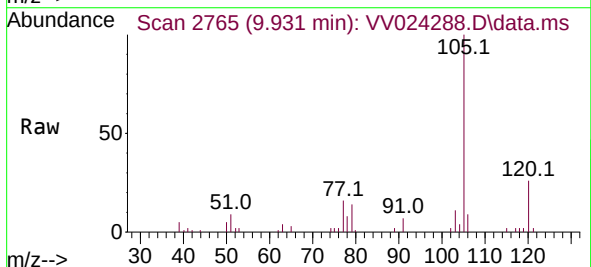
Instrument :  
MSVOA\_V  
ClientSampleId :

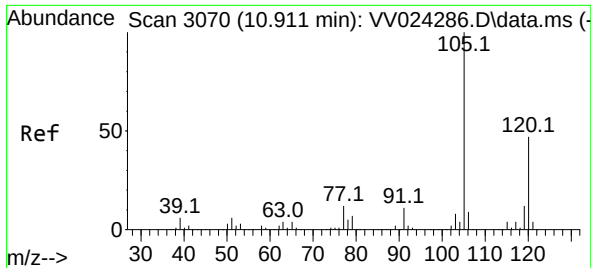
Tgt Ion:106 Resp: 12706  
Ion Ratio Lower Upper  
106 100  
91 200.4 150.9 280.3



#60  
Isopropylbenzene  
Concen: 2.435 ug/L  
RT: 9.931 min Scan# 2765  
Delta R.T. -0.000 min  
Lab File: VV024288.D  
Acq: 06 Jan 2022 11:52

Tgt Ion:105 Resp: 16799  
Ion Ratio Lower Upper  
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77 15.8 11.9 17.9

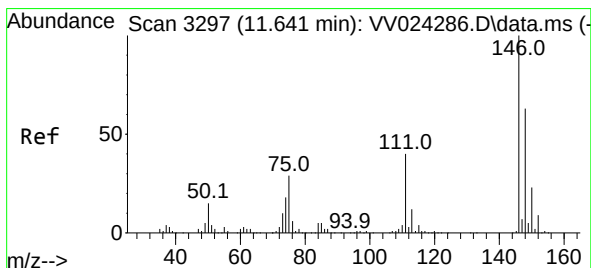
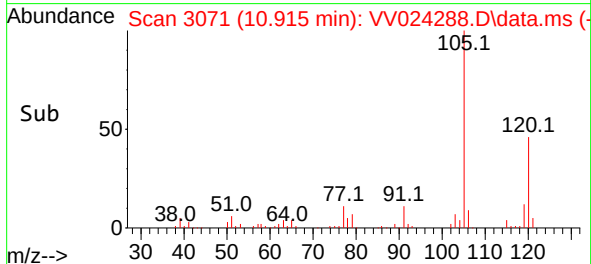
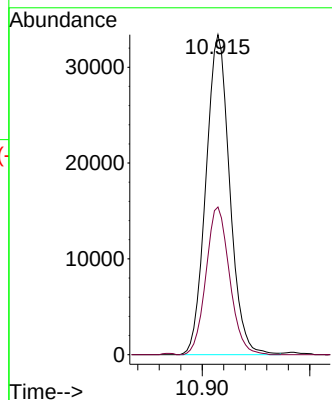
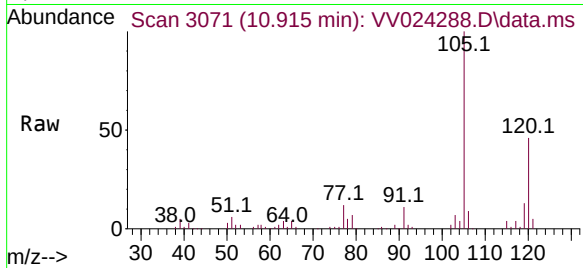




#63  
1,2,4-Trimethylbenzene  
Concen: 8.646 ug/L  
RT: 10.915 min Scan# 3070  
Delta R.T. 0.003 min  
Lab File: VV024288.D  
Acq: 06 Jan 2022 11:52

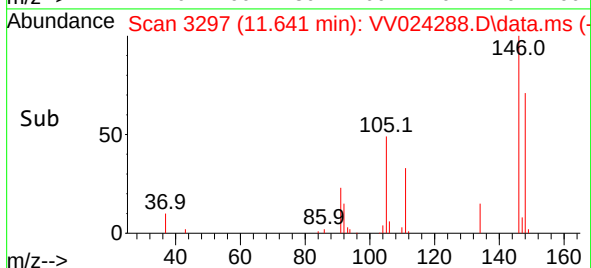
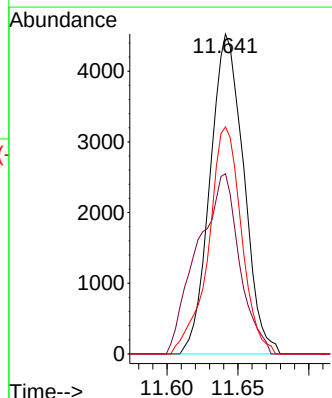
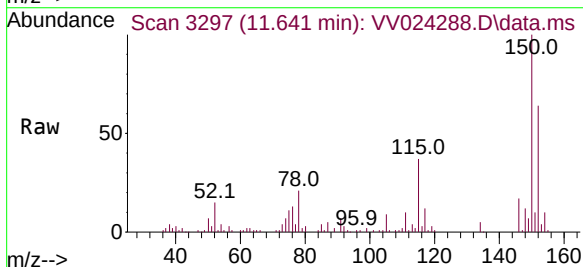
Instrument :  
MSVOA\_V  
ClientSampleId :

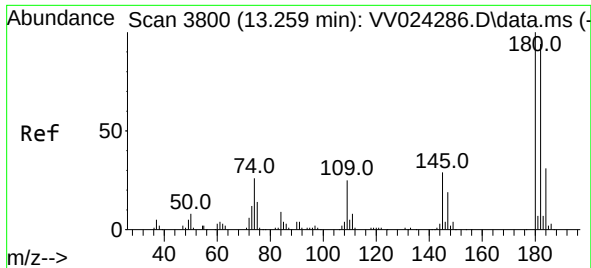
Tgt Ion:105 Resp: 51232  
Ion Ratio Lower Upper  
105 100  
120 45.8 36.6 55.0



#67  
1,2-Dichlorobenzene  
Concen: 2.032 ug/L  
RT: 11.641 min Scan# 3297  
Delta R.T. -0.000 min  
Lab File: VV024288.D  
Acq: 06 Jan 2022 11:52

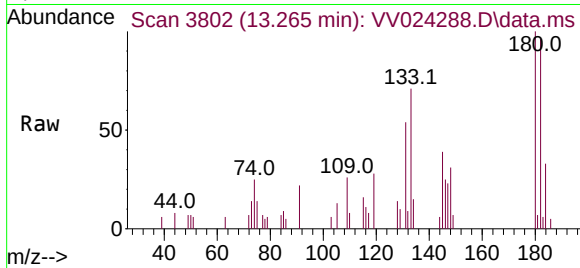
Tgt Ion:146 Resp: 7449  
Ion Ratio Lower Upper  
146 100  
111 56.3 32.0 48.0#  
148 71.0 51.6 77.4



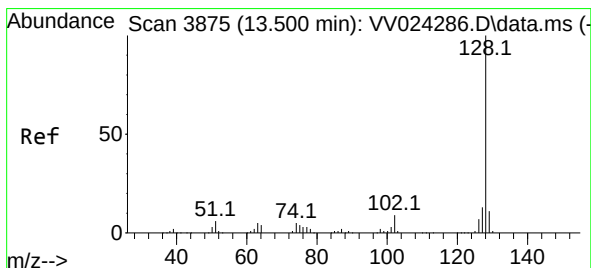
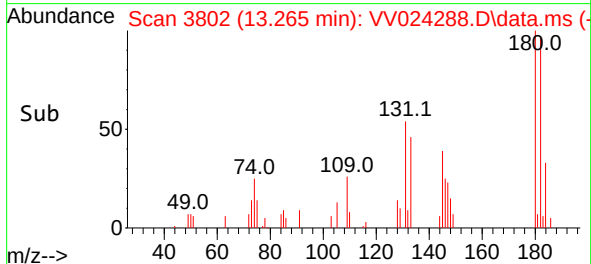
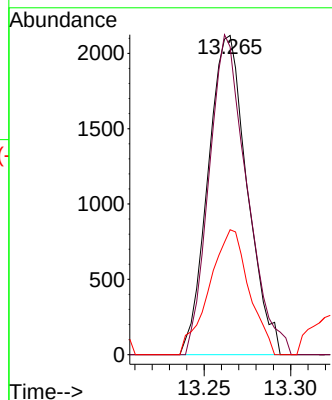


#70  
1,2,4-trichlorobenzene  
Concen: 1.416 ug/L  
RT: 13.265 min Scan# 3802  
Delta R.T. 0.006 min  
Lab File: VV024288.D  
Acq: 06 Jan 2022 11:52

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion:180 Resp: 3313  
Ion Ratio Lower Upper  
180 100  
182 96.9 75.6 113.4  
145 39.8 23.9 35.9#



#71  
Naphthalene  
Concen: 14.285 ug/L  
RT: 13.503 min Scan# 3876  
Delta R.T. 0.003 min  
Lab File: VV024288.D  
Acq: 06 Jan 2022 11:52

Tgt Ion:128 Resp: 96729  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.6 16.0  
129 10.7 8.7 13.1

