

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW032122\  
 Data File : VW025116.D  
 Acq On : 21 Mar 2022 14:01  
 Operator : SY/MD  
 Sample : N2044-02  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Mar 21 14:34:09 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR031522WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Mar 19 00:53:30 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 151157   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853  | 117   | 142254   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 68775    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 51263    | 4.296    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 86.000%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 41765    | 4.779    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 95.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 66473    | 3.446    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 69.000%  |
| 20) 2-Butanone-d5             | 3.912  | 46    | 80361    | 55.720   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 111.440% |
| 24) Chloroform-d              | 4.352  | 84    | 93393    | 4.719    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 40007    | 4.835    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.600%  |
| 32) Benzene-d6                | 5.053  | 84    | 194748   | 4.719    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 57558    | 4.850    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 97.000%  |
| 41) Toluene-d8                | 7.317  | 98    | 171362   | 4.556    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 91.200%  |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 18390    | 4.446    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 89.000%  |
| 46) 2-Hexanone-d5             | 8.091  | 63    | 75142    | 53.254   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 106.500% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 35008    | 5.015    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 100.200% |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 57296    | 4.921    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 98.400%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 19) 1,1-Dichloroethane        | 3.198  | 63    | 2091     | 0.106    | ug/L   | 89       |
| 25) Chloroform                | 4.381  | 83    | 12797    | 0.623    | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 5.043  | 62    | 1007     | 0.099    | ug/L # | 71       |
| 33) Benzene                   | 5.111  | 78    | 3214     | 0.069    | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.072  | 83    | 13319    | 0.683    | ug/L # | 22       |
| 37) 1,2-Dichloropropane       | 6.069  | 63    | 6082     | 0.572    | ug/L # | 86       |
| 39) cis-1,3-Dichloropropene   | 6.995  | 75    | 1250     | 0.085    | ug/L # | 71       |
| 47) Tetrachloroethene         | 7.992  | 164   | 552      | 0.064    | ug/L # | 64       |
| 49) Dibromochloromethane      | 7.976  | 129   | 603      | 0.076    | ug/L # | 10       |
| 52) Ethylbenzene              | 9.021  | 91    | 2512     | 0.049    | ug/L   | 97       |
| 53) m,p-xylene                | 9.146  | 106   | 2015     | 0.102    | ug/L   | 78       |
| 60) Isopropylbenzene          | 10.451 | 105   | 2217     | 0.043    | ug/L # | 84       |
| 61) 1,2,3-Trichloropropane    | 11.249 | 75    | 8561     | 1.480    | ug/L # | 67       |
| 62) 1,3,5-Trimethylbenzene    | 11.336 | 105   | 934      | 0.040    | ug/L   | 87       |
| 68) 1,2-Dibromo-3-chloropr... | 12.246 | 75    | 223      | 0.225    | ug/L # | 1        |
| 71) Naphthalene               | 13.506 | 128   | 1686     | 0.082    | ug/L   | 95       |
| -----                         |        |       |          |          |        |          |

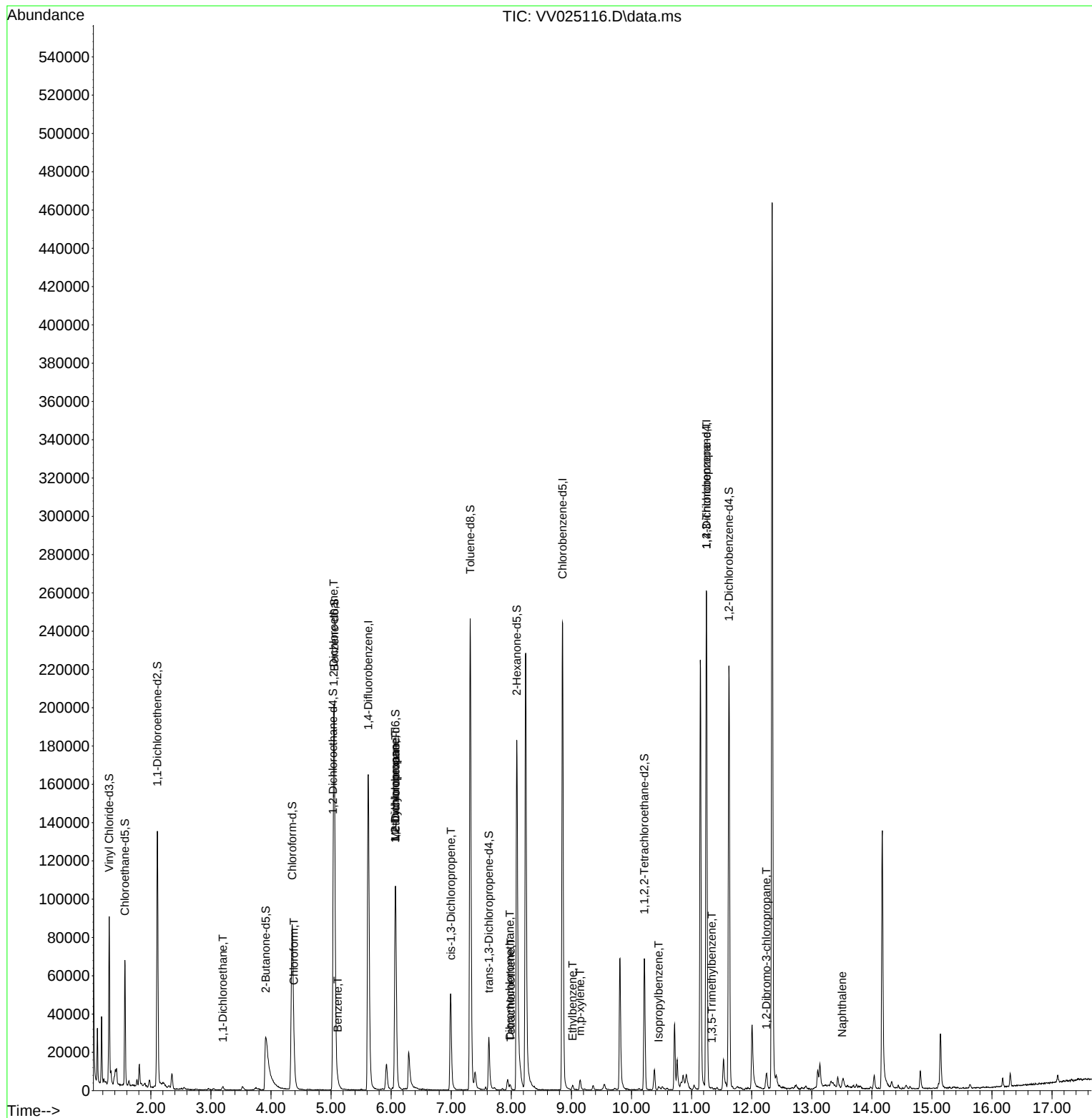
(#) = qualifier out of range (m) = manual integration (+) = signals summed

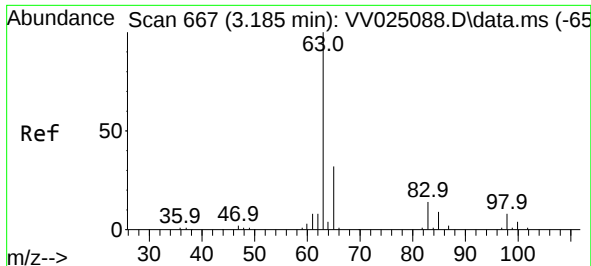
Instrument :  
MSVOA\_V  
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV032122\  
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Quant Time: Mar 21 14:34:09 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR031522WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Mar 19 00:53:30 2022  
Response via : Initial Calibration





#19

1,1-Dichloroethane

Concen: 0.106 ug/L

RT: 3.198 min Scan# 6

Delta R.T. 0.013 min

Lab File: VV025116.D

Acq: 21 Mar 2022 14:01

Instrument :

MSVOA\_V

ClientSampleId :

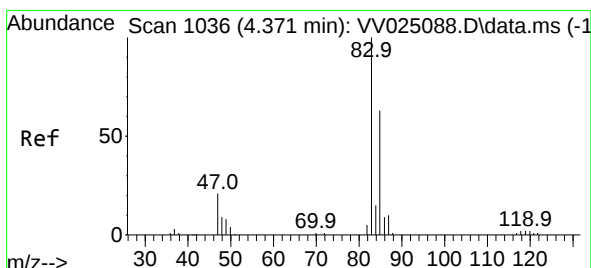
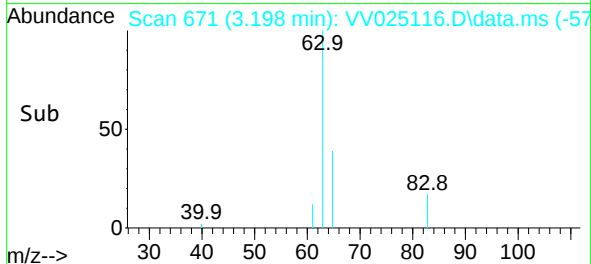
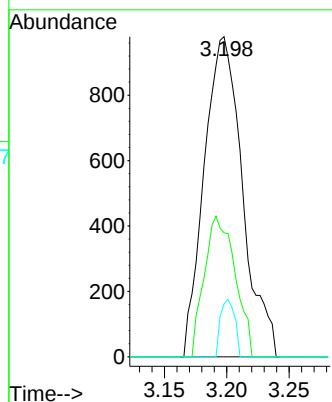
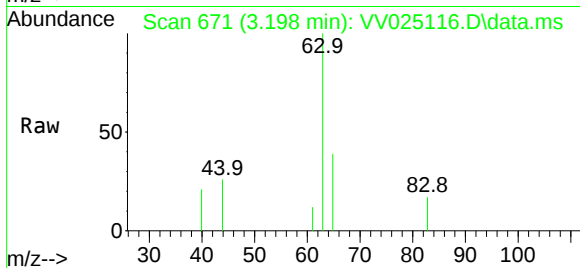
Tgt Ion: 63 Resp: 2091

Ion Ratio Lower Upper

63 100

65 38.7 22.2 41.2

83 16.5 9.4 17.4



#25

Chloroform

Concen: 0.623 ug/L

RT: 4.381 min Scan# 1039

Delta R.T. 0.010 min

Lab File: VV025116.D

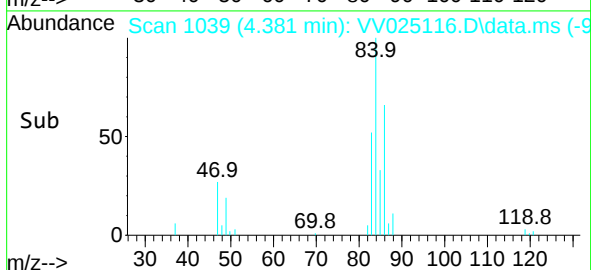
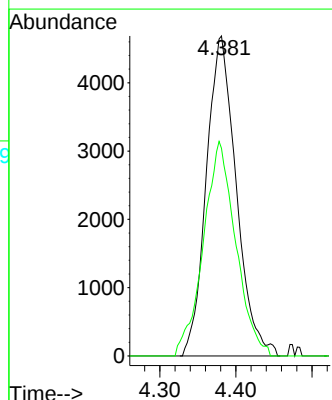
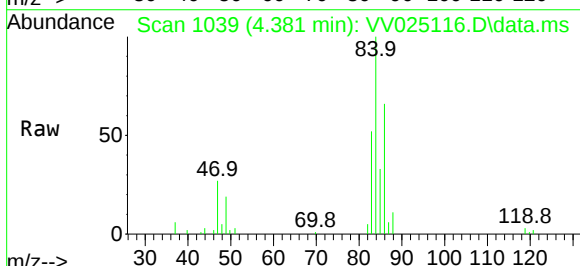
Acq: 21 Mar 2022 14:01

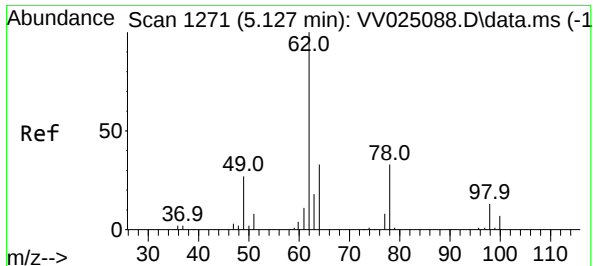
Tgt Ion: 83 Resp: 12797

Ion Ratio Lower Upper

83 100

85 64.9 44.5 82.7





#27

1,2-Dichloroethane

Concen: 0.099 ug/L

RT: 5.043 min Scan# 11

Delta R.T. -0.084 min

Lab File: VV025116.D

Acq: 21 Mar 2022 14:01

Instrument :

MSVOA\_V

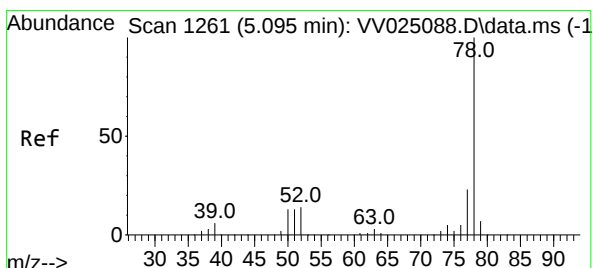
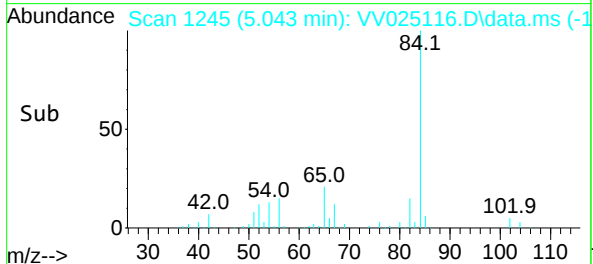
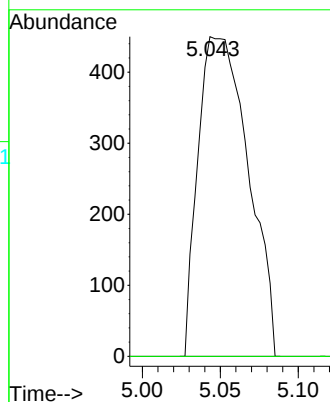
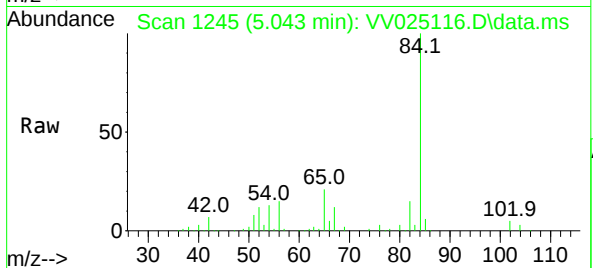
ClientSampleId :

Tgt Ion: 62 Resp: 1007

Ion Ratio Lower Upper

62 100

98 0.0 9.0 13.4#



#33

Benzene

Concen: 0.069 ug/L

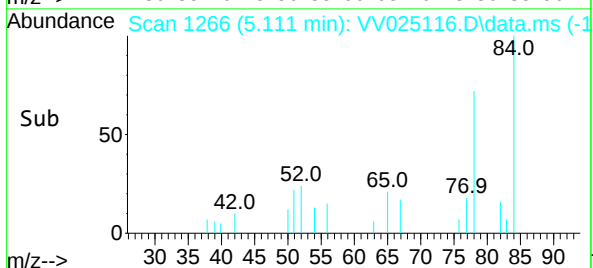
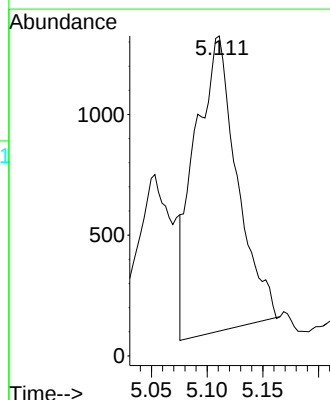
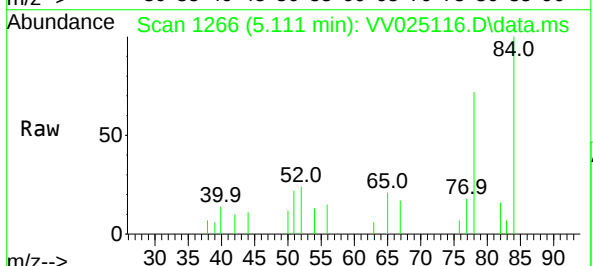
RT: 5.111 min Scan# 1266

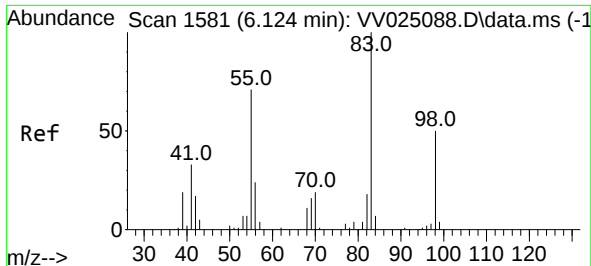
Delta R.T. 0.016 min

Lab File: VV025116.D

Acq: 21 Mar 2022 14:01

Tgt Ion: 78 Resp: 3214

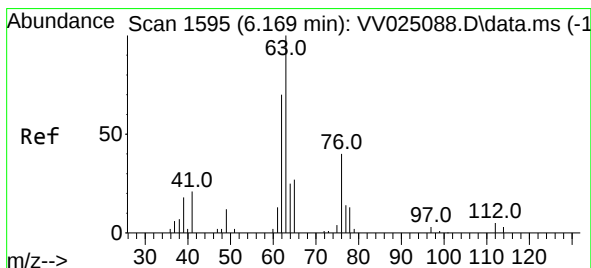
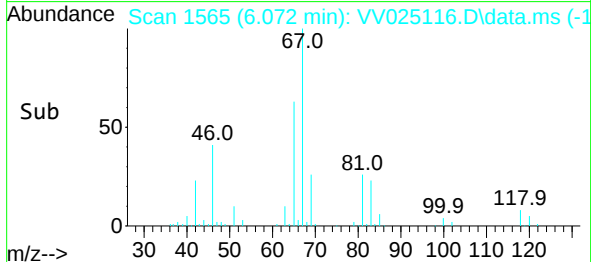
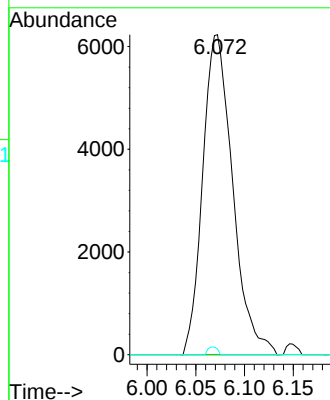
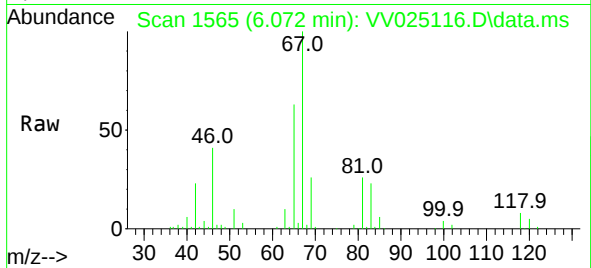




#35  
Methylcyclohexane  
Concen: 0.683 ug/L  
RT: 6.072 min Scan# 1565  
Delta R.T. -0.052 min  
Lab File: VV025116.D  
Acq: 21 Mar 2022 14:01

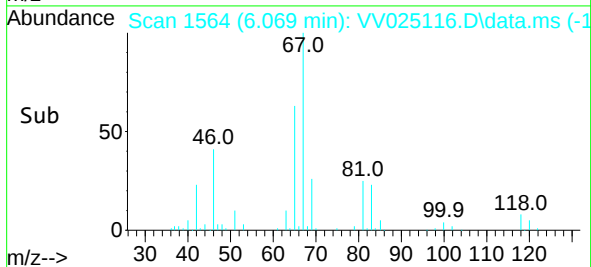
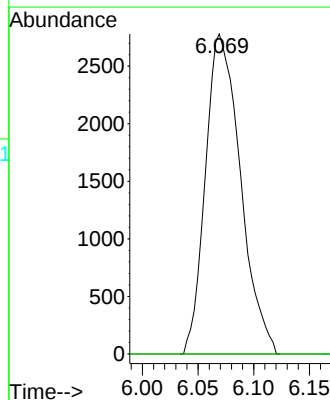
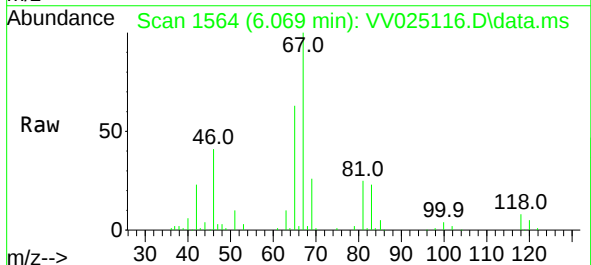
Instrument :  
MSVOA\_V  
ClientSampleId :

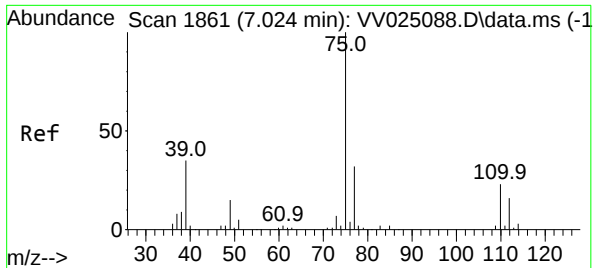
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 1.2   | 55.4  | 83.0# |
| 98      | 0.8   | 38.4  | 57.6# |



#37  
1,2-Dichloropropane  
Concen: 0.572 ug/L  
RT: 6.069 min Scan# 1564  
Delta R.T. -0.100 min  
Lab File: VV025116.D  
Acq: 21 Mar 2022 14:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 112     | 0.0   | 3.8   | 5.6#  |

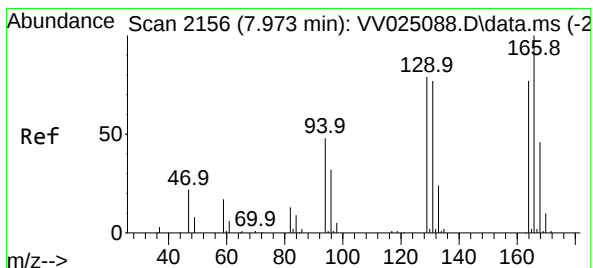
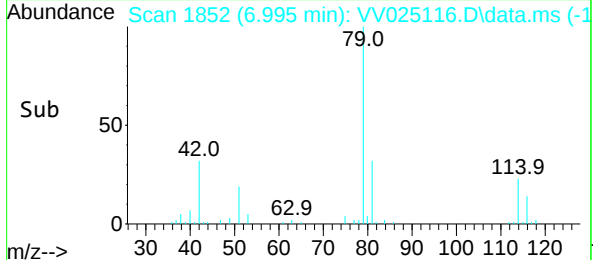
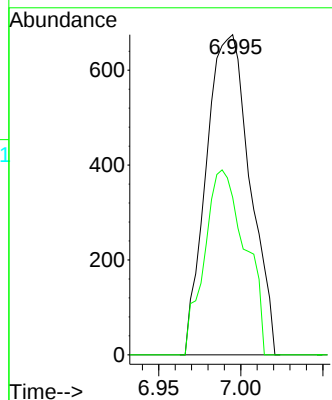
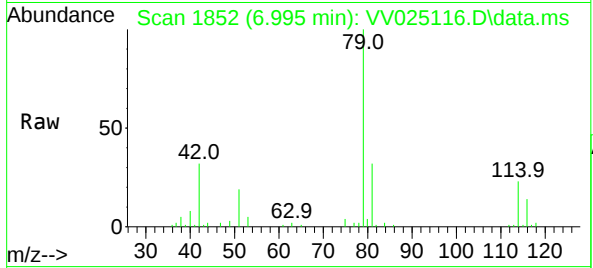




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.085 ug/L  
 RT: 6.995 min Scan# 11  
 Delta R.T. -0.029 min  
 Lab File: VV025116.D  
 Acq: 21 Mar 2022 14:01

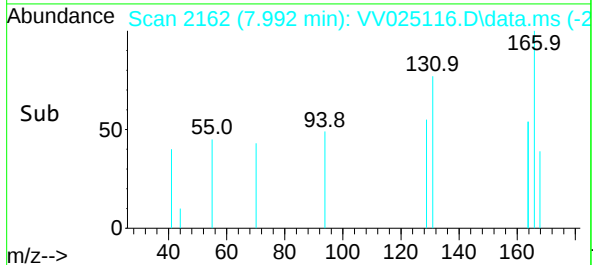
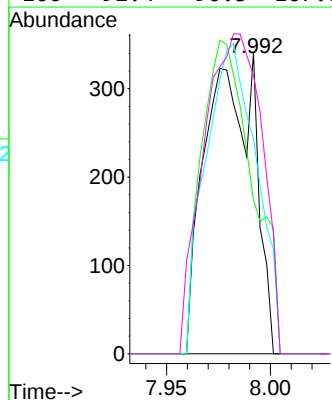
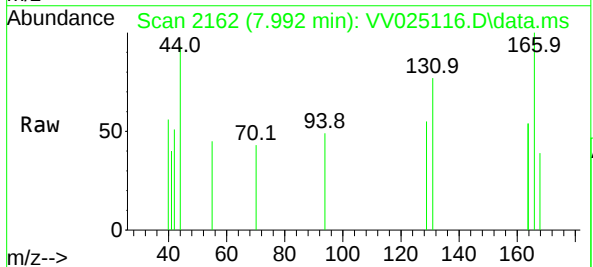
Instrument :  
 MSVOA\_V  
 ClientSampleId :

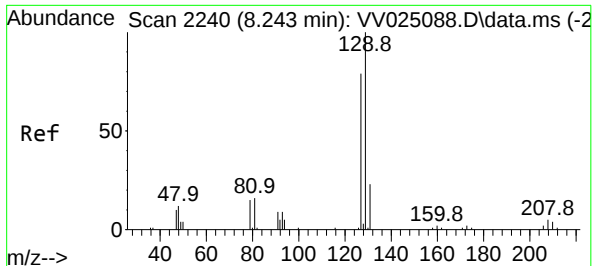
Tgt Ion: 75 Resp: 1250  
 Ion Ratio Lower Upper  
 75 100  
 77 49.2 23.0 42.8#



#47  
 Tetrachloroethene  
 Concen: 0.064 ug/L  
 RT: 7.992 min Scan# 2162  
 Delta R.T. 0.019 min  
 Lab File: VV025116.D  
 Acq: 21 Mar 2022 14:01

Tgt Ion: 164 Resp: 552  
 Ion Ratio Lower Upper  
 164 100  
 129 51.0 70.3 130.7#  
 131 71.3 69.4 129.0  
 166 92.4 90.3 167.7





#49

Dibromochloromethane

Concen: 0.076 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV025116.D

Acq: 21 Mar 2022 14:01

Instrument :

MSVOA\_V

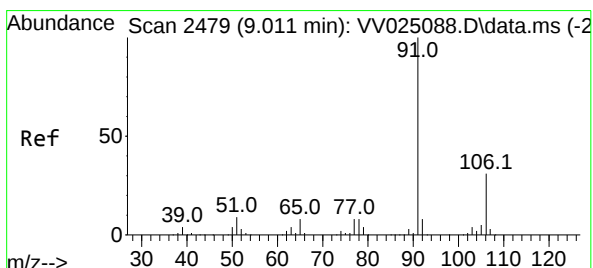
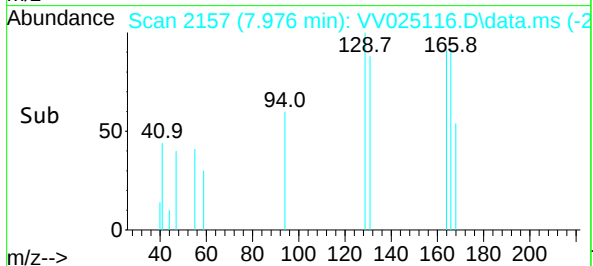
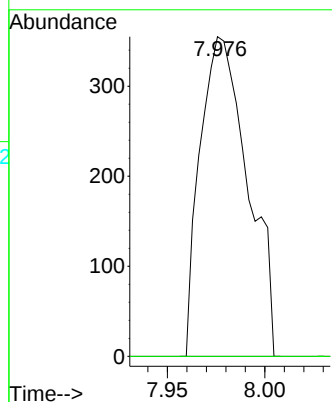
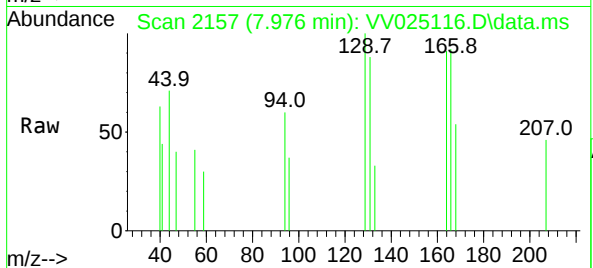
ClientSampleId :

Tgt Ion:129 Resp: 603

Ion Ratio Lower Upper

129 100

127 0.0 54.9 102.1#



#52

Ethylbenzene

Concen: 0.049 ug/L

RT: 9.021 min Scan# 2482

Delta R.T. 0.010 min

Lab File: VV025116.D

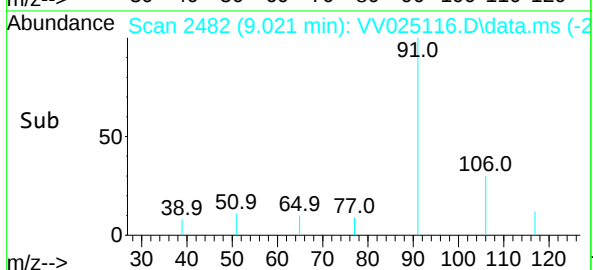
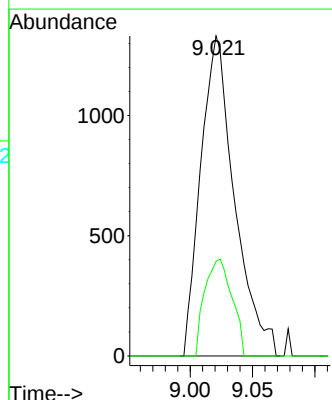
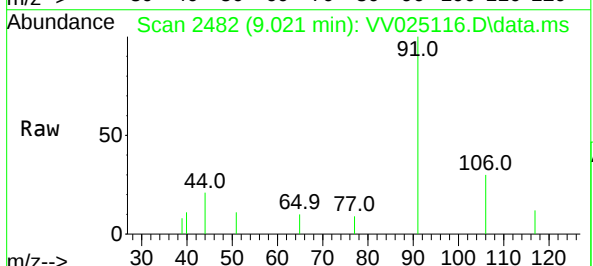
Acq: 21 Mar 2022 14:01

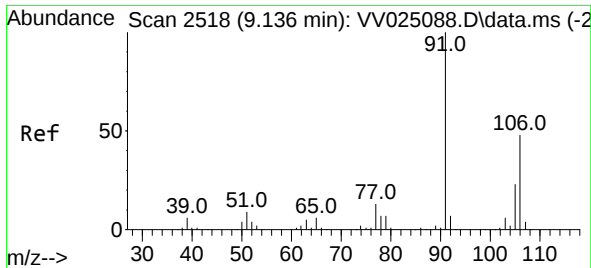
Tgt Ion: 91 Resp: 2512

Ion Ratio Lower Upper

91 100

106 29.5 21.9 40.7

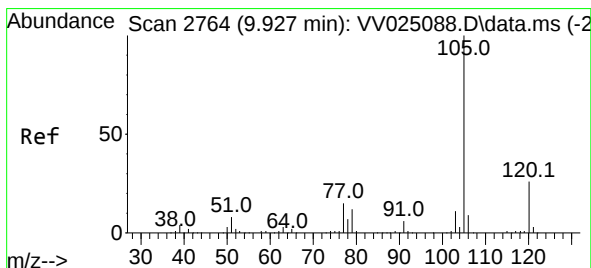
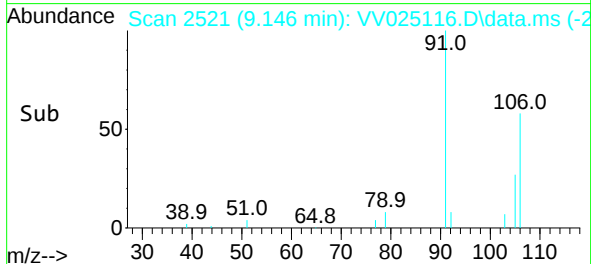
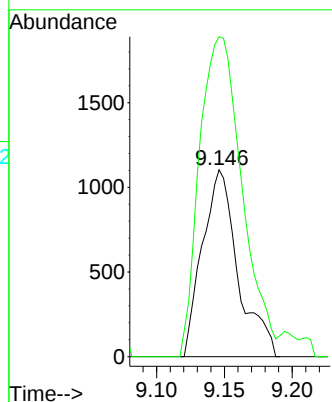
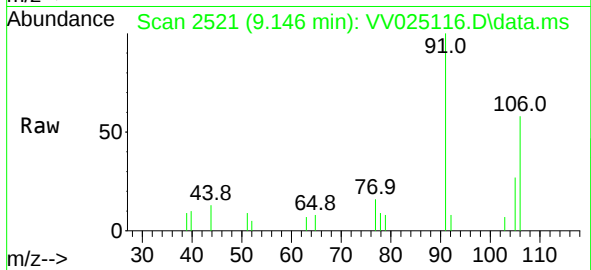




#53  
m,p-xylene  
Concen: 0.102 ug/L  
RT: 9.146 min Scan# 21  
Delta R.T. 0.010 min  
Lab File: VV025116.D  
Acq: 21 Mar 2022 14:01

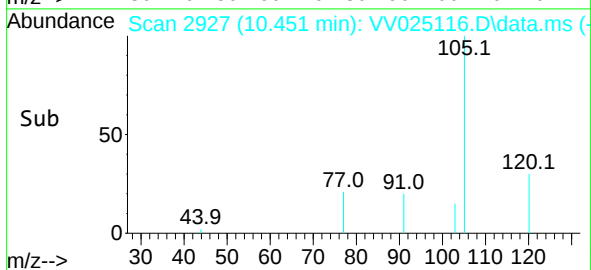
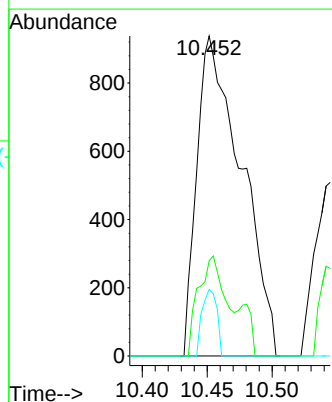
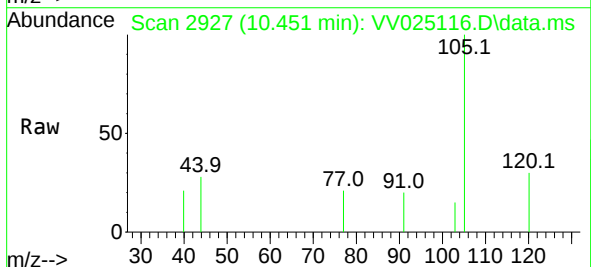
Instrument :  
MSVOA\_V  
ClientSampleId :

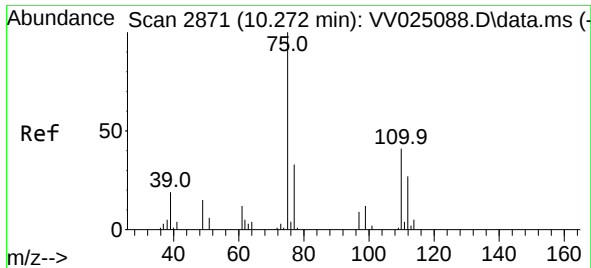
Tgt Ion:106 Resp: 2015  
Ion Ratio Lower Upper  
106 100  
91 171.2 143.4 266.4



#60  
Isopropylbenzene  
Concen: 0.043 ug/L  
RT: 10.451 min Scan# 2927  
Delta R.T. 0.524 min  
Lab File: VV025116.D  
Acq: 21 Mar 2022 14:01

Tgt Ion:105 Resp: 2217  
Ion Ratio Lower Upper  
105 100  
120 19.0 20.7 31.1#  
77 6.9 12.2 18.2#

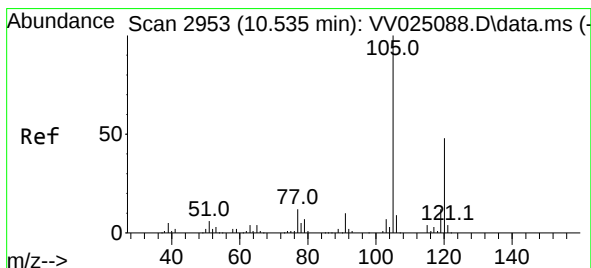
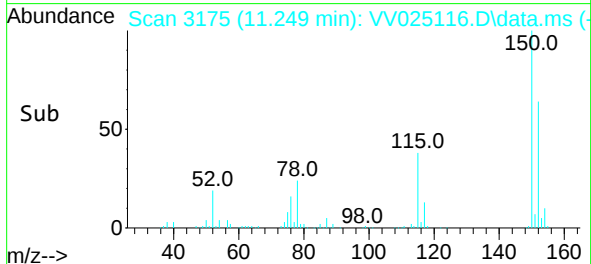
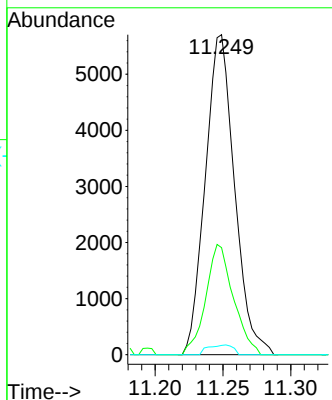
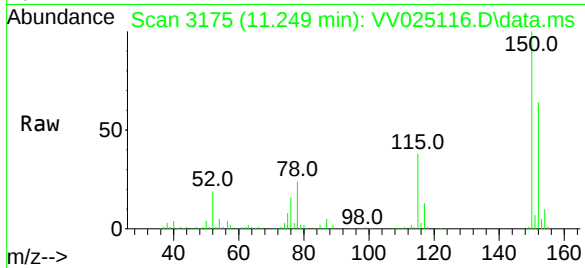




#61  
 1,2,3-Trichloropropane  
 Concen: 1.480 ug/L  
 RT: 11.249 min Scan# 3175  
 Delta R.T. 0.977 min  
 Lab File: VV025116.D  
 Acq: 21 Mar 2022 14:01

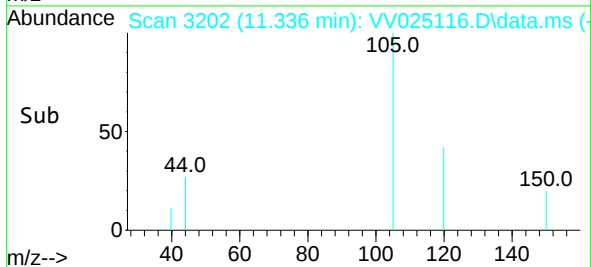
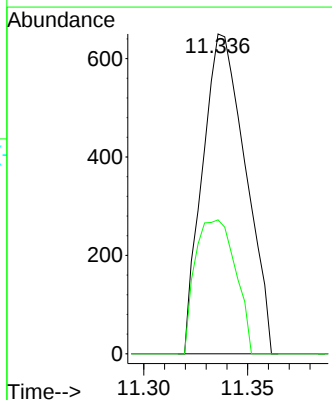
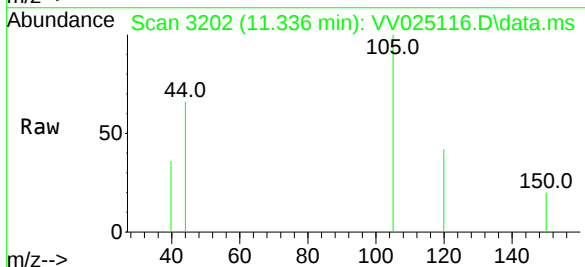
Instrument :  
 MSVOA\_V  
 ClientSampleId :

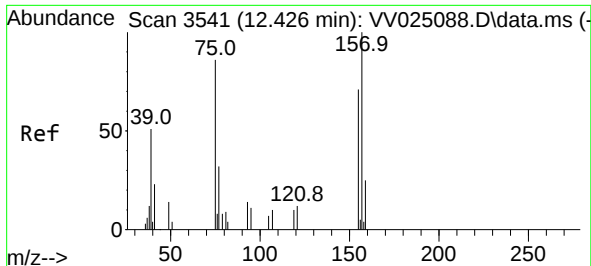
Tgt Ion: 75 Resp: 8561  
 Ion Ratio Lower Upper  
 75 100  
 77 32.5 25.7 38.5  
 110 2.6 31.2 46.8#



#62  
 1,3,5-Trimethylbenzene  
 Concen: 0.040 ug/L  
 RT: 11.336 min Scan# 3202  
 Delta R.T. 0.801 min  
 Lab File: VV025116.D  
 Acq: 21 Mar 2022 14:01

Tgt Ion: 105 Resp: 934  
 Ion Ratio Lower Upper  
 105 100  
 120 39.2 38.5 57.7

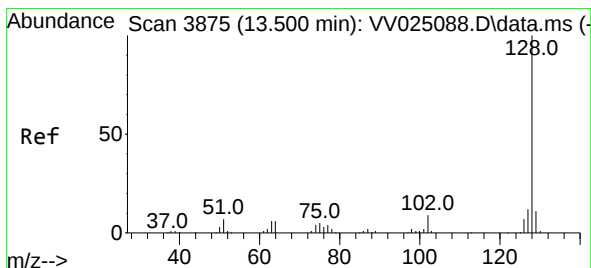
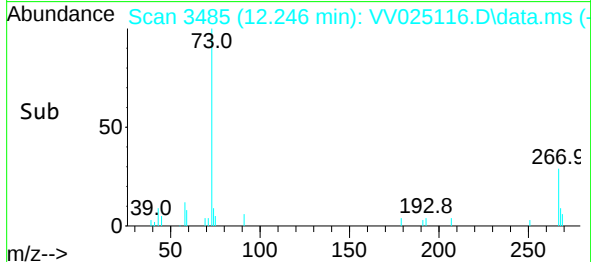
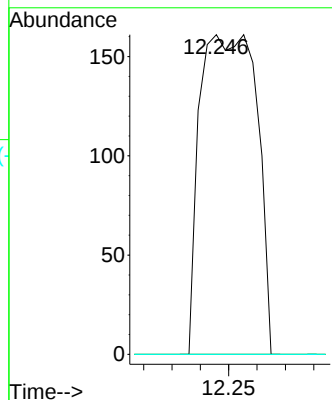
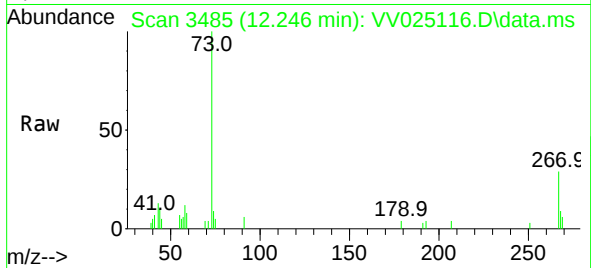




#68  
1,2-Dibromo-3-chloropropane  
Concen: 0.225 ug/L  
RT: 12.246 min Scan# 34  
Delta R.T. -0.180 min  
Lab File: VV025116.D  
Acq: 21 Mar 2022 14:01

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 75 Resp: 223  
Ion Ratio Lower Upper  
75 100  
155 0.0 65.9 98.9#  
157 0.0 89.7 134.5#



#71  
Naphthalene  
Concen: 0.082 ug/L  
RT: 13.506 min Scan# 3877  
Delta R.T. 0.006 min  
Lab File: VV025116.D  
Acq: 21 Mar 2022 14:01

Tgt Ion: 128 Resp: 1686  
Ion Ratio Lower Upper  
128 100  
129 8.8 8.5 12.7  
127 14.5 9.8 14.8

