

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV112022\  
 Data File : VV029231.D  
 Acq On : 20 Nov 2022 17:40  
 Operator : SY/MD  
 Sample : N5652-08  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 21 00:59:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Nov 21 00:54:18 2022  
 Response via : Initial Calibration

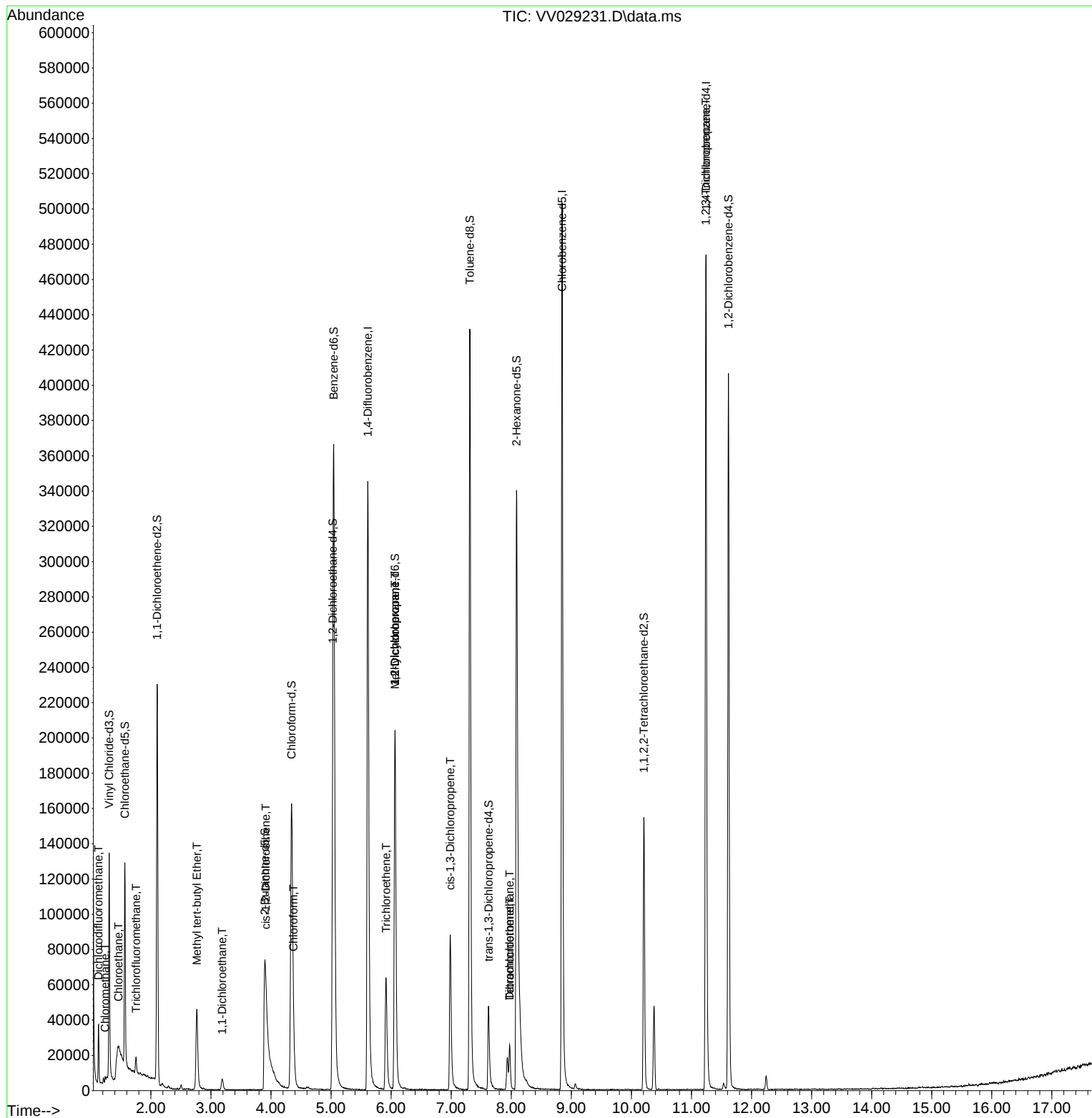
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.613  | 114   | 326385   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.847  | 117   | 301309   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.243 | 152   | 138742   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 89595    | 4.503    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 90.000%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 74288    | 4.247    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 85.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 115168   | 3.176    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 63.600%  |
| 20) 2-Butanone-d5             | 3.899  | 46    | 190606   | 57.225   | ug/L   | 0.02     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 114.440% |
| 24) Chloroform-d              | 4.342  | 84    | 174870   | 4.281    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 85.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.027  | 65    | 80851    | 4.399    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 88.000%  |
| 32) Benzene-d6                | 5.043  | 84    | 359685   | 3.999    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 80.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 109366   | 4.355    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 87.000%  |
| 41) Toluene-d8                | 7.310  | 98    | 310650   | 3.837    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 76.800%  |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79    | 31588    | 3.856    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 77.200%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 154007   | 44.049   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 88.100%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207 | 84    | 77587    | 4.456    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 89.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.616 | 152   | 115682   | 4.660    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 93.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127  | 85    | 18466    | 0.679    | ug/L   | 97       |
| 3) Chloromethane              | 1.240  | 50    | 2603     | 0.115    | ug/L   | 96       |
| 8) Chloroethane               | 1.462  | 64    | 58089    | 3.838    | ug/L # | 51       |
| 9) Trichlorofluoromethane     | 1.754  | 101   | 4972     | 0.143    | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 2.767  | 73    | 49789    | 1.175    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.188  | 63    | 6582     | 0.176    | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 3.912  | 96    | 2086     | 0.090    | ug/L   | 81       |
| 25) Chloroform                | 4.375  | 83    | 23385    | 0.595    | ug/L   | 95       |
| 34) Trichloroethene           | 5.915  | 95    | 24505    | 1.040    | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.063  | 83    | 25923    | 0.626    | ug/L # | 21       |
| 37) 1,2-Dichloropropane       | 6.066  | 63    | 10951    | 0.516    | ug/L # | 85       |
| 39) cis-1,3-Dichloropropene   | 6.985  | 75    | 2189     | 0.074    | ug/L # | 18       |
| 47) Tetrachloroethene         | 7.973  | 164   | 6652     | 0.352    | ug/L   | 88       |
| 49) Dibromochloromethane      | 7.973  | 129   | 5170     | 0.308    | ug/L # | 10       |
| 61) 1,2,3-Trichloropropane    | 11.239 | 75    | 14703    | 1.551    | ug/L # | 64       |

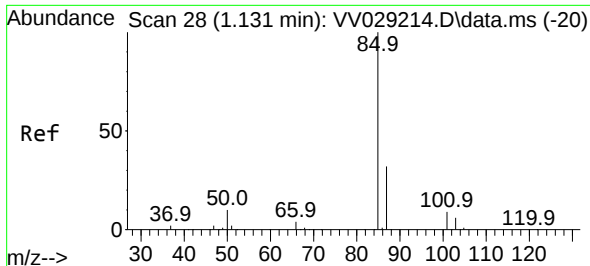
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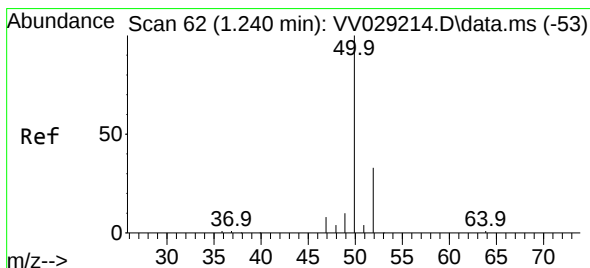
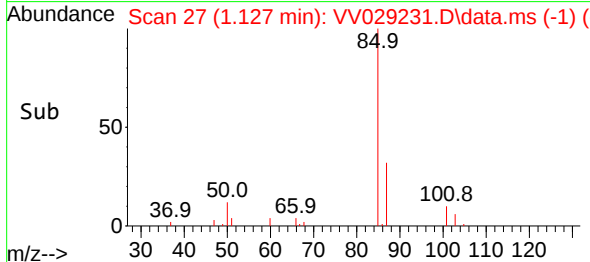
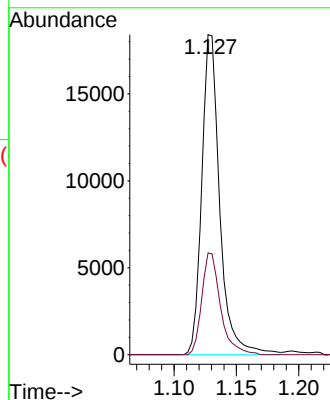
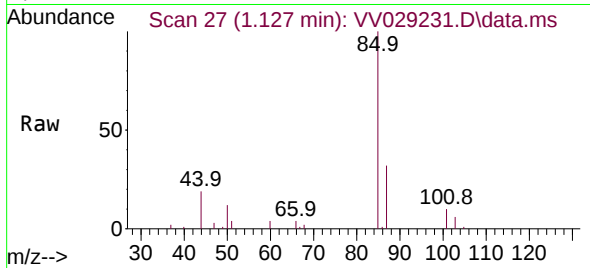




#2  
 Dichlorodifluoromethane  
 Concen: 0.679 ug/L  
 RT: 1.127 min Scan# 21  
 Delta R.T. -0.003 min  
 Lab File: VV029231.D  
 Acq: 20 Nov 2022 17:40

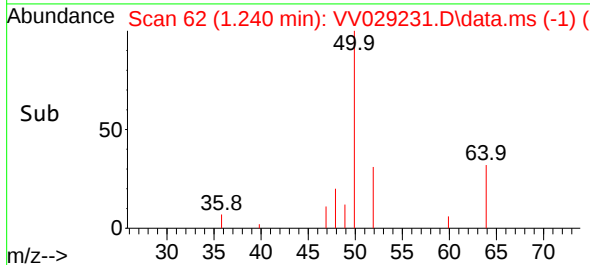
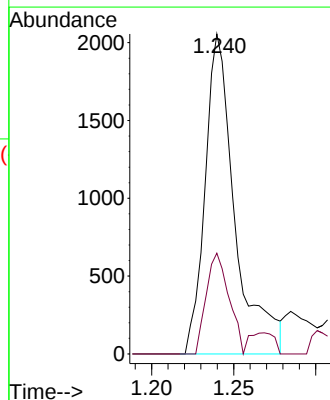
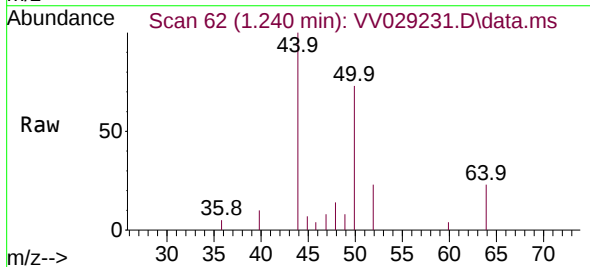
Instrument :  
 MSVOA\_V  
 ClientSampleId :

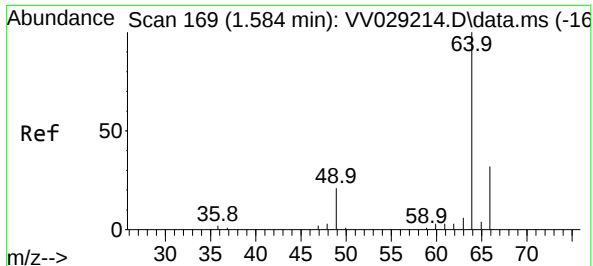
Tgt Ion: 85 Resp: 18466  
 Ion Ratio Lower Upper  
 85 100  
 87 33.1 25.0 37.4



#3  
 Chloromethane  
 Concen: 0.115 ug/L  
 RT: 1.240 min Scan# 62  
 Delta R.T. -0.000 min  
 Lab File: VV029231.D  
 Acq: 20 Nov 2022 17:40

Tgt Ion: 50 Resp: 2603  
 Ion Ratio Lower Upper  
 50 100  
 52 31.5 23.7 43.9

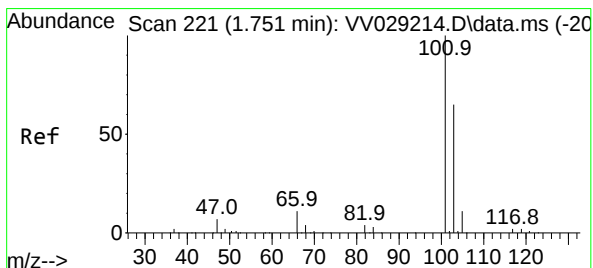
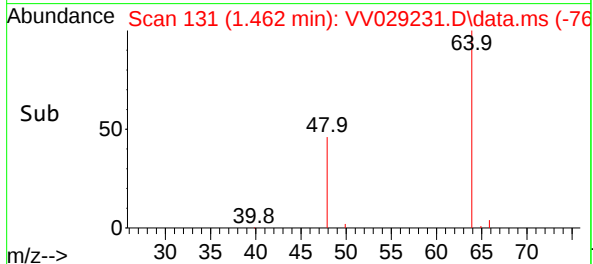
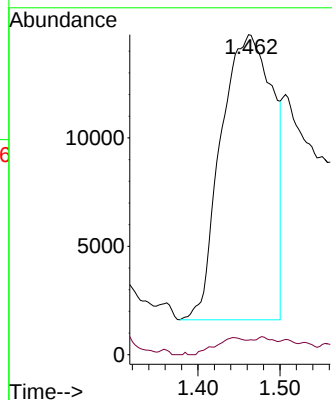
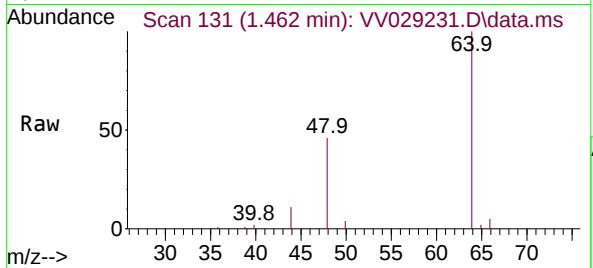




#8  
Chloroethane  
Concen: 3.838 ug/L  
RT: 1.462 min Scan# 11  
Delta R.T. -0.122 min  
Lab File: VV029231.D  
Acq: 20 Nov 2022 17:40

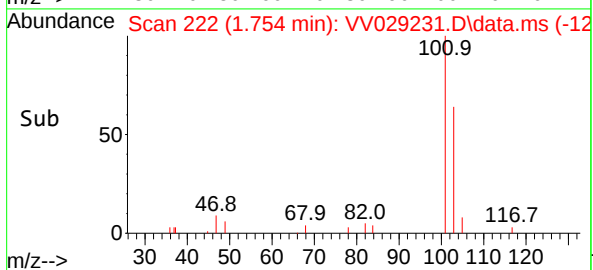
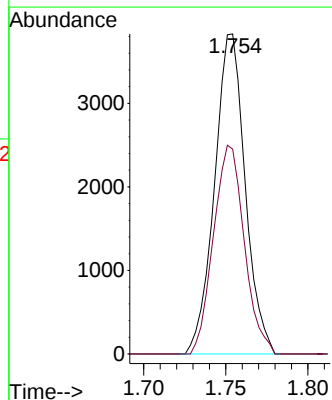
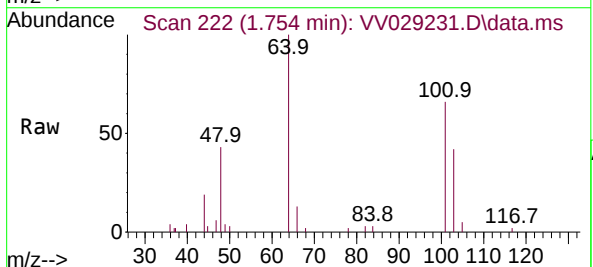
Instrument :  
MSVOA\_V  
ClientSampleId :

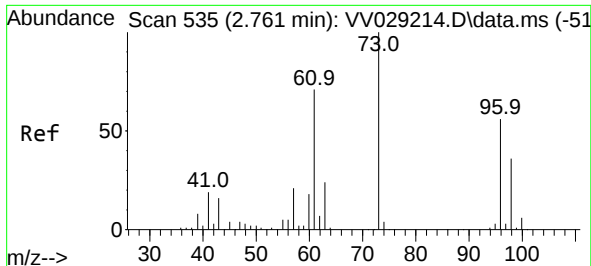
Tgt Ion: 64 Resp: 58089  
Ion Ratio Lower Upper  
64 100  
66 4.6 22.0 40.8#



#9  
Trichlorofluoromethane  
Concen: 0.143 ug/L  
RT: 1.754 min Scan# 222  
Delta R.T. 0.003 min  
Lab File: VV029231.D  
Acq: 20 Nov 2022 17:40

Tgt Ion:101 Resp: 4972  
Ion Ratio Lower Upper  
101 100  
103 65.6 51.3 76.9

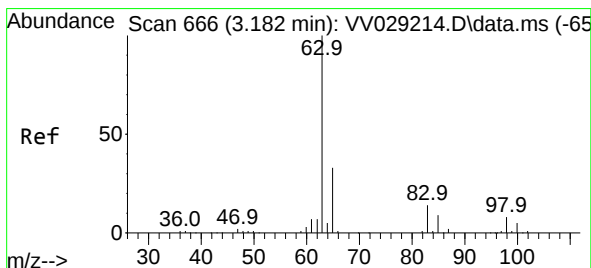
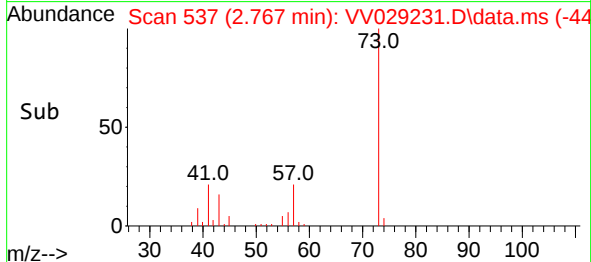
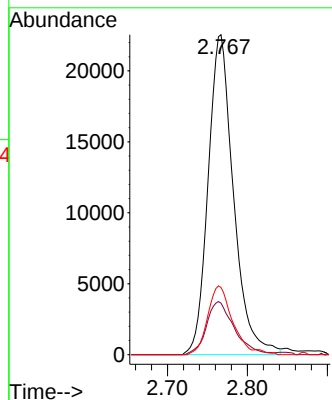
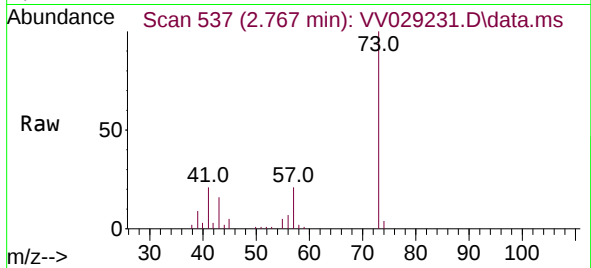




#17  
Methyl tert-butyl Ether  
Concen: 1.175 ug/L  
RT: 2.767 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VV029231.D  
Acq: 20 Nov 2022 17:40

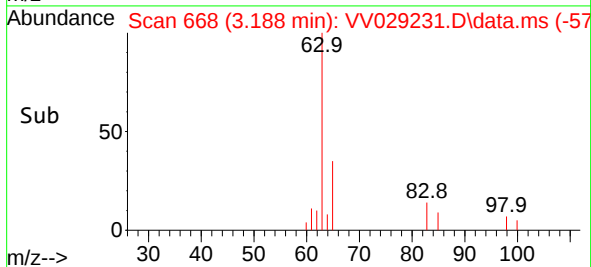
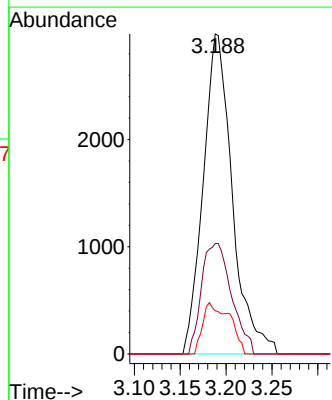
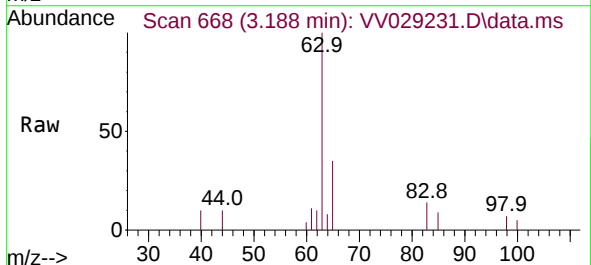
Instrument :  
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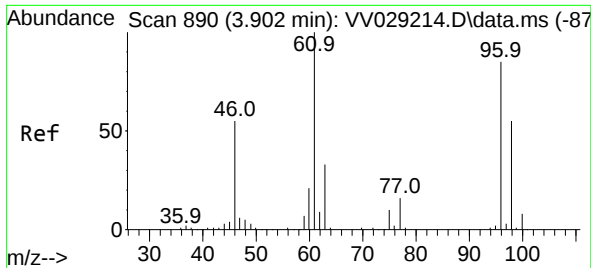
Tgt Ion: 73 Resp: 49789  
Ion Ratio Lower Upper  
73 100  
43 18.2 13.0 19.4  
57 20.6 16.6 24.8



#19  
1,1-Dichloroethane  
Concen: 0.176 ug/L  
RT: 3.188 min Scan# 668  
Delta R.T. 0.006 min  
Lab File: VV029231.D  
Acq: 20 Nov 2022 17:40

Tgt Ion: 63 Resp: 6582  
Ion Ratio Lower Upper  
63 100  
65 34.5 23.0 42.6  
83 13.5 9.4 17.6

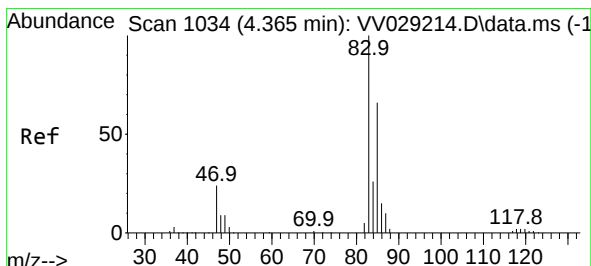
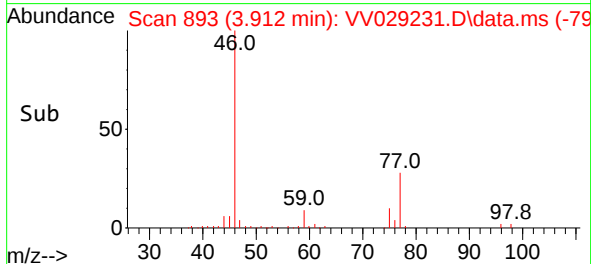
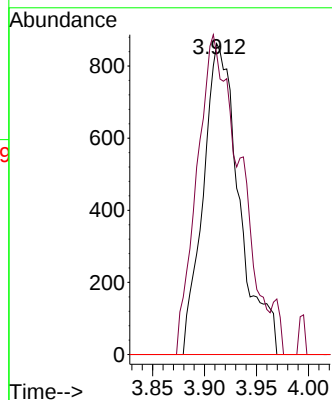
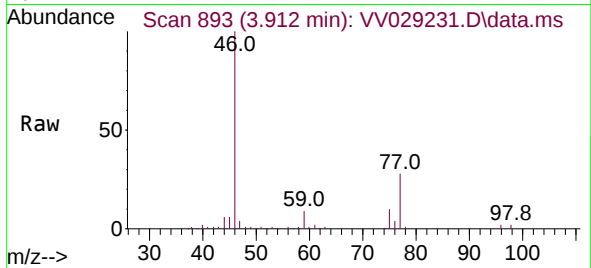




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.090 ug/L  
 RT: 3.912 min Scan# 891  
 Delta R.T. 0.010 min  
 Lab File: VV029231.D  
 Acq: 20 Nov 2022 17:40

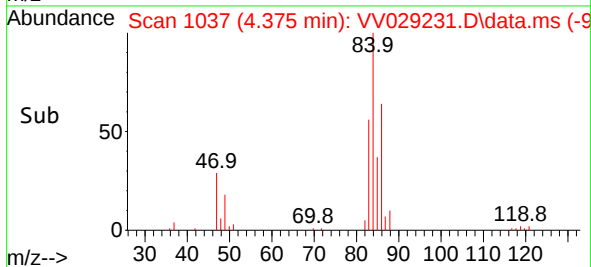
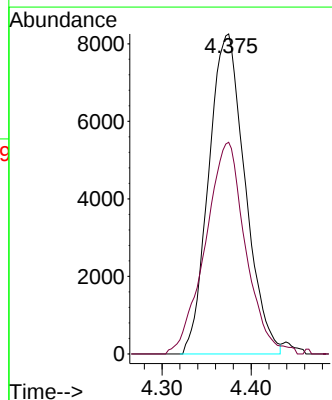
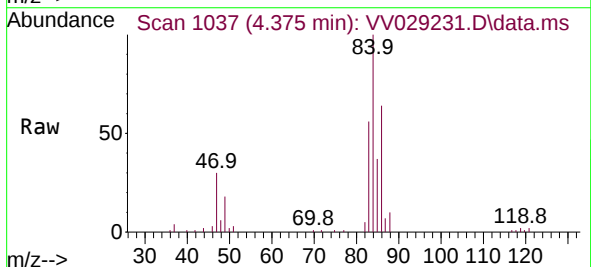
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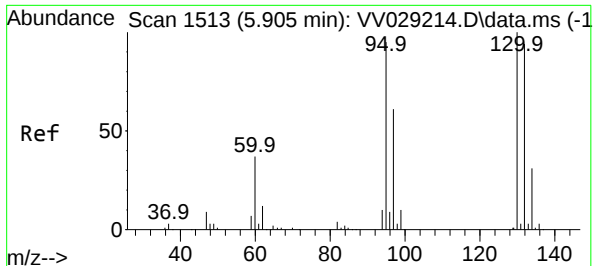
Tgt Ion: 96 Resp: 2086  
 Ion Ratio Lower Upper  
 96 100  
 61 96.8 82.3 152.9  
 68 0.0 0.0 0.0



#25  
 Chloroform  
 Concen: 0.595 ug/L  
 RT: 4.375 min Scan# 1037  
 Delta R.T. 0.010 min  
 Lab File: VV029231.D  
 Acq: 20 Nov 2022 17:40

Tgt Ion: 83 Resp: 23385  
 Ion Ratio Lower Upper  
 83 100  
 85 66.1 43.7 81.1

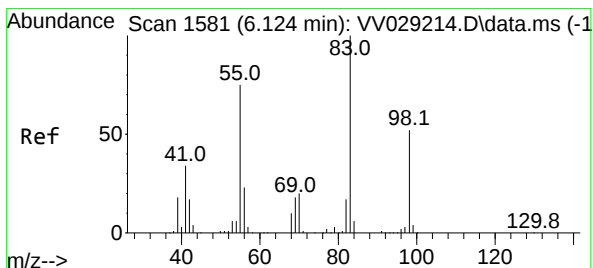
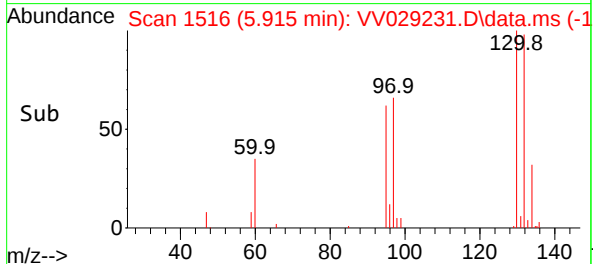
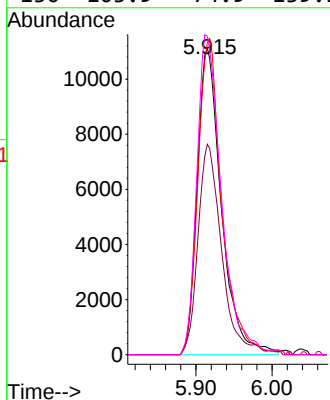
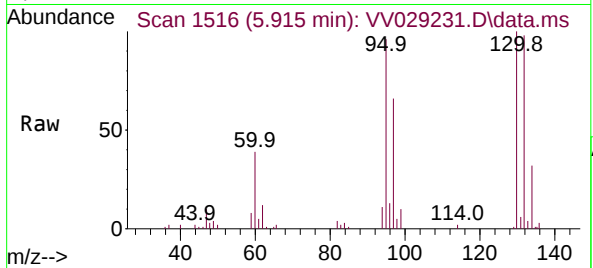




#34  
Trichloroethene  
Concen: 1.040 ug/L  
RT: 5.915 min Scan# 1513  
Delta R.T. 0.010 min  
Lab File: VV029231.D  
Acq: 20 Nov 2022 17:40

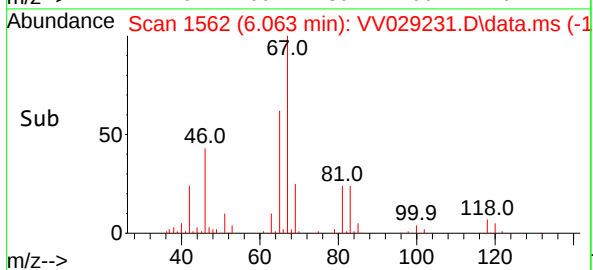
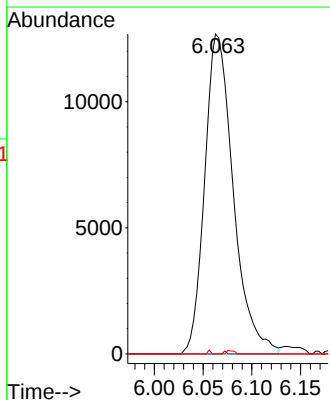
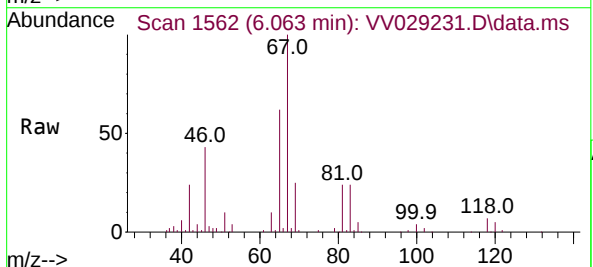
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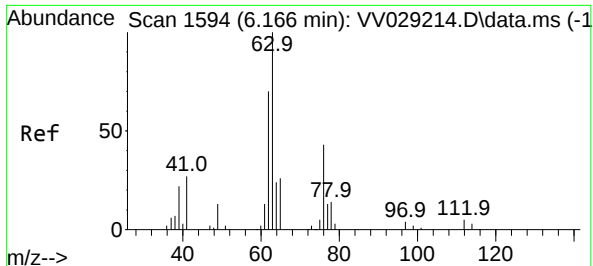
Tgt Ion: 95 Resp: 24505  
Ion Ratio Lower Upper  
95 100  
97 68.7 45.6 84.8  
132 101.8 69.1 128.3  
130 103.9 74.9 139.1



#35  
Methylcyclohexane  
Concen: 0.626 ug/L  
RT: 6.063 min Scan# 1562  
Delta R.T. -0.061 min  
Lab File: VV029231.D  
Acq: 20 Nov 2022 17:40

Tgt Ion: 83 Resp: 25923  
Ion Ratio Lower Upper  
83 100  
55 0.1 55.8 83.6#  
98 0.3 38.2 57.2#





#37

1,2-Dichloropropane

Concen: 0.516 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV029231.D

Acq: 20 Nov 2022 17:40

Instrument :

MSVOA\_V

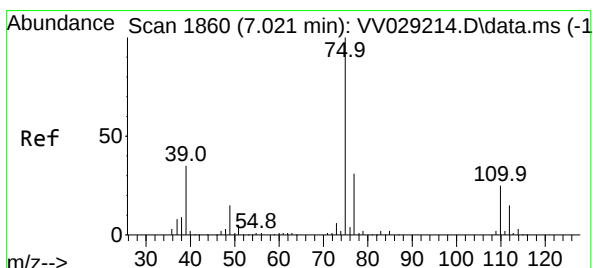
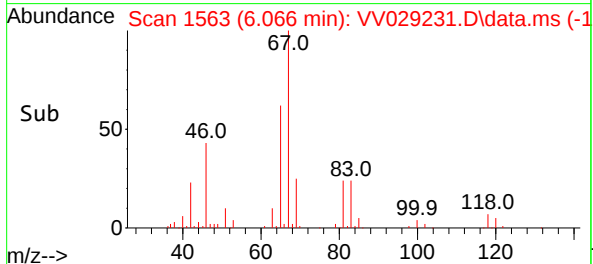
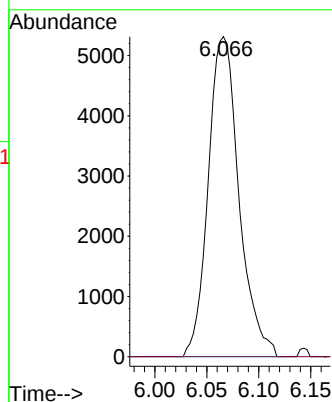
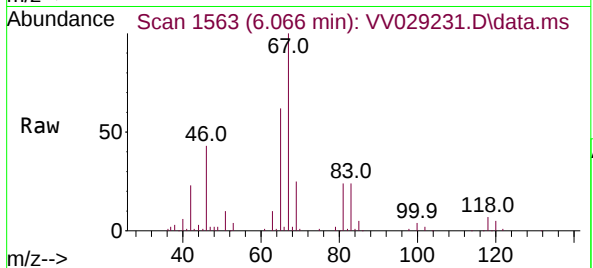
ClientSampleId :

Tgt Ion: 63 Resp: 10951

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 0.074 ug/L

RT: 6.985 min Scan# 1849

Delta R.T. -0.035 min

Lab File: VV029231.D

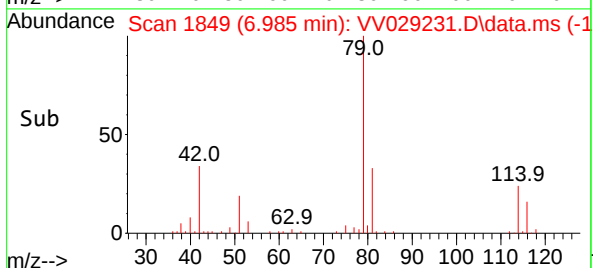
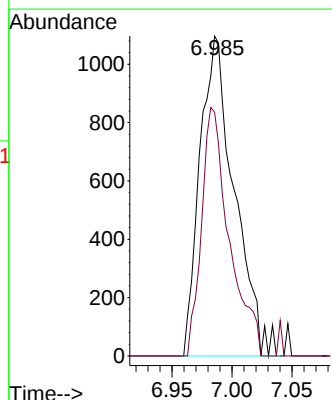
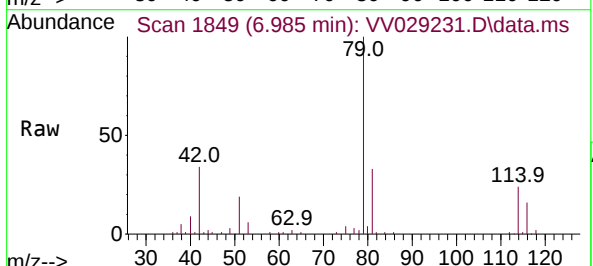
Acq: 20 Nov 2022 17:40

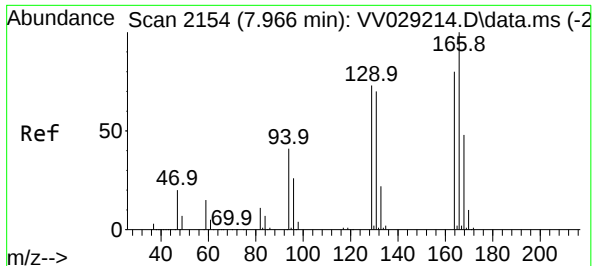
Tgt Ion: 75 Resp: 2189

Ion Ratio Lower Upper

75 100

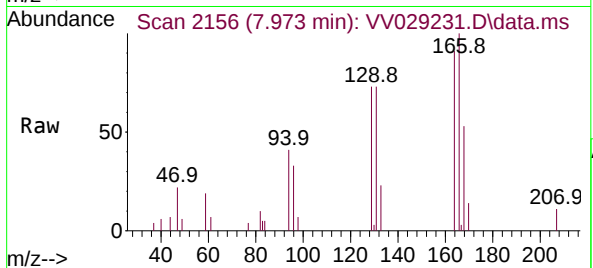
77 76.2 21.8 40.6#



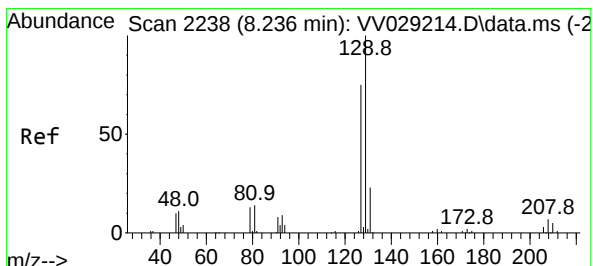
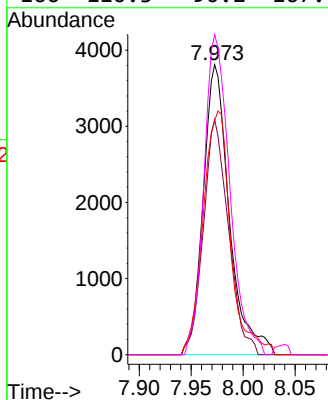
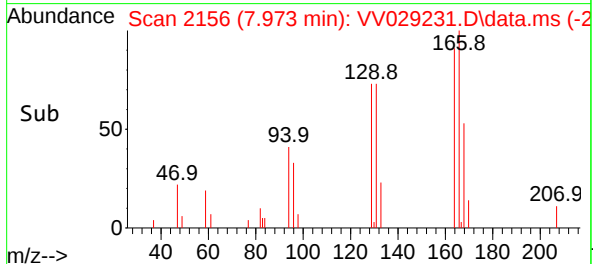


#47  
Tetrachloroethene  
Concen: 0.352 ug/L  
RT: 7.973 min Scan# 2156  
Delta R.T. 0.006 min  
Lab File: VV029231.D  
Acq: 20 Nov 2022 17:40

Instrument :  
MSVOA\_V  
ClientSampleId :

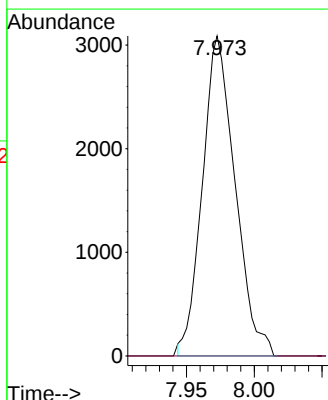
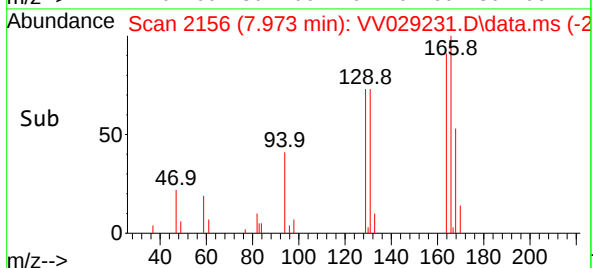
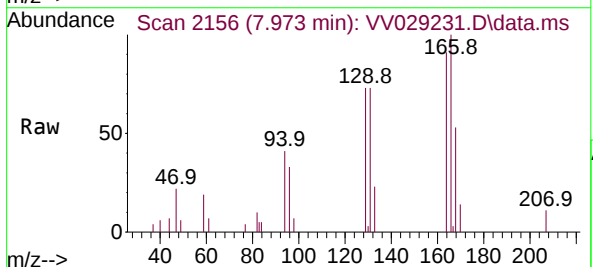


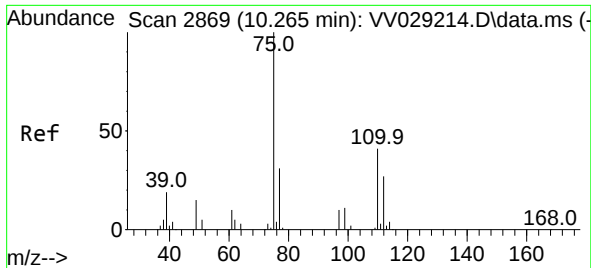
Tgt Ion:164 Resp: 6652  
Ion Ratio Lower Upper  
164 100  
129 81.0 63.9 118.7  
131 80.7 61.8 114.8  
166 110.3 90.2 167.4



#49  
Dibromochloromethane  
Concen: 0.308 ug/L  
RT: 7.973 min Scan# 2156  
Delta R.T. -0.264 min  
Lab File: VV029231.D  
Acq: 20 Nov 2022 17:40

Tgt Ion:129 Resp: 5170  
Ion Ratio Lower Upper  
129 100  
127 0.0 54.5 101.1#





#61

1,2,3-Trichloropropane

Concen: 1.551 ug/L

RT: 11.239 min Scan# 31

Delta R.T. 0.974 min

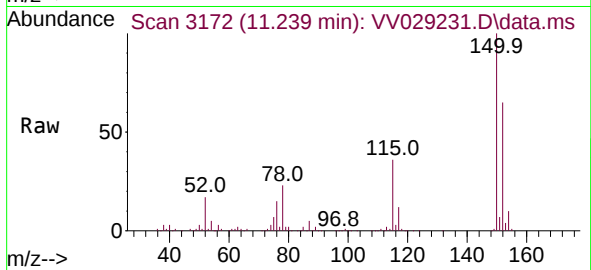
Lab File: VV029231.D

Acq: 20 Nov 2022 17:40

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion: 75 Resp: 14703

Ion Ratio Lower Upper

75 100

77 29.5 26.2 39.2

110 2.6 32.6 48.8#

