

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062623\  
 Data File : VX036336.D  
 Acq On : 26 Jun 2023 18:03  
 Operator : JC/MD  
 Sample : 03339-04RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jun 27 04:26:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062323W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 23 15:03:28 2023  
 Response via : Initial Calibration

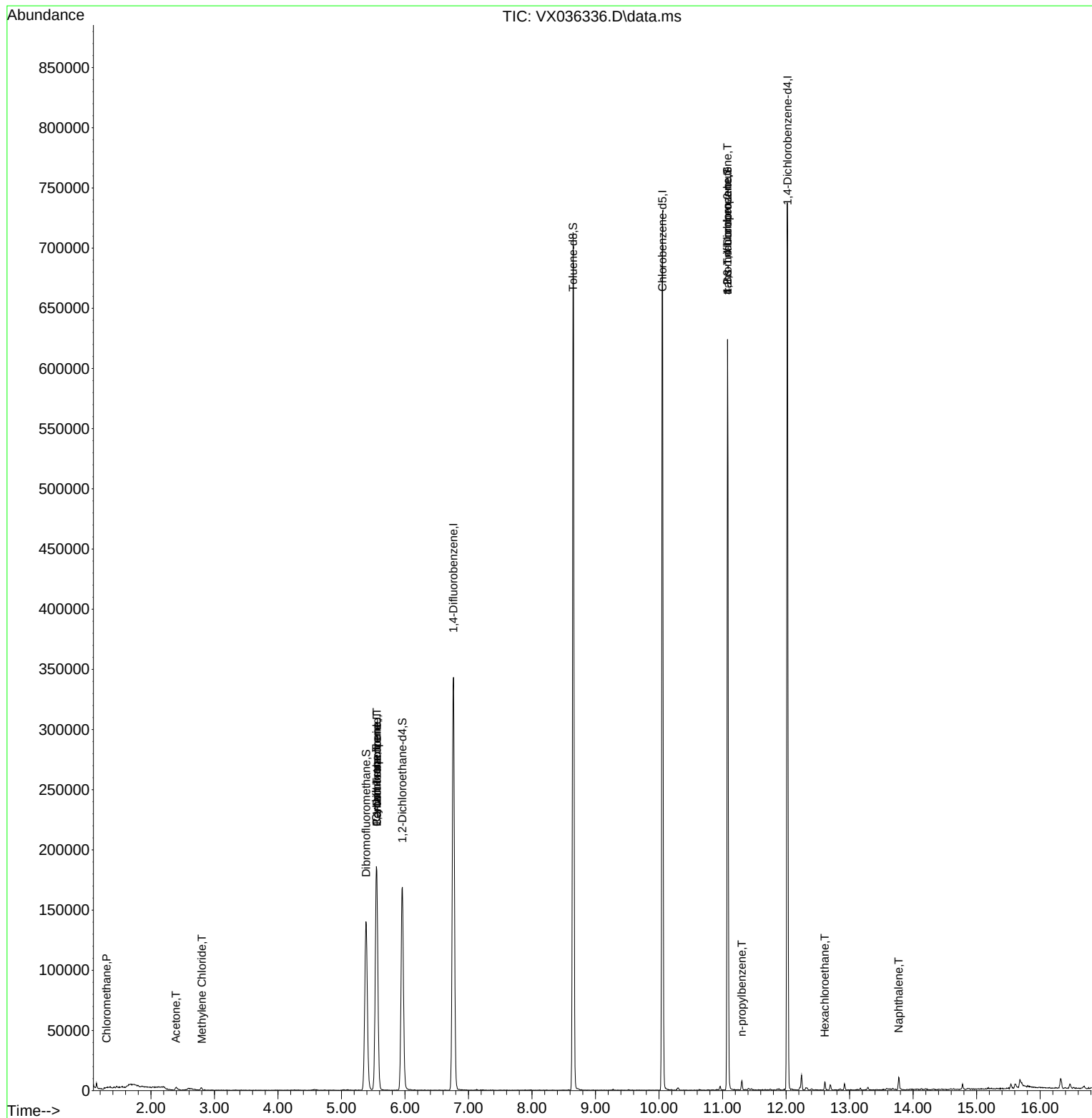
| Compound                      | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------------|----------|
| -----                         |        |       |          |          |             |          |
| Internal Standards            |        |       |          |          |             |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 175493   | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 350414   | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 323972   | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 149899   | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds   |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 164978   | 65.583   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 131.160%# |          |
| 35) Dibromofluoromethane      | 5.385  | 113   | 121927   | 52.770   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 105.540%  |          |
| 50) Toluene-d8                | 8.647  | 98    | 422027   | 48.903   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 97.800%   |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 158336   | 52.089   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 104.180%  |          |
| Target Compounds              |        |       |          |          |             |          |
|                               |        |       |          |          | Qvalue      |          |
| 3) Chloromethane              | 1.301  | 50    | 601      | 0.209    | ug/l        | 93       |
| 16) Acetone                   | 2.392  | 43    | 3235     | 3.009    | ug/l        | 97       |
| 20) Methylene Chloride        | 2.800  | 84    | 932      | 0.403    | ug/l #      | 81       |
| 31) Cyclohexane               | 5.550  | 56    | 3988     | 1.237    | ug/l #      | 13       |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 14383    | 4.176    | ug/l #      | 50       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 18213    | 5.790    | ug/l #      | 15       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 83741    | 26.190   | ug/l #      | 38       |
| 78) n-propylbenzene           | 11.305 | 91    | 4991     | 0.378    | ug/l        | 95       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 83741    | 85.374   | ug/l #      | 5        |
| 90) Hexachloroethane          | 12.609 | 117   | 375      | 0.254    | ug/l #      | 17       |
| 95) Naphthalene               | 13.774 | 128   | 6723     | 0.657    | ug/l        | 97       |
| -----                         |        |       |          |          |             |          |

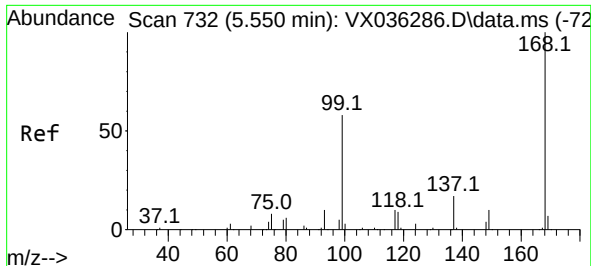
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062623\  
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Sample : 03339-04RE  
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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

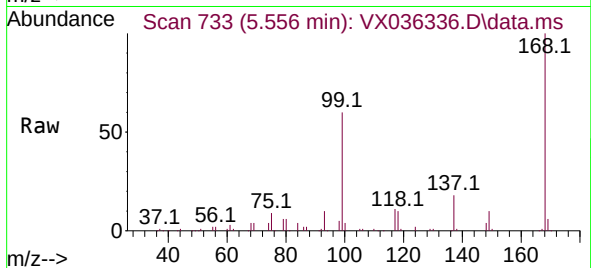
Quant Time: Jun 27 04:26:43 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062323W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 23 15:03:28 2023  
Response via : Initial Calibration



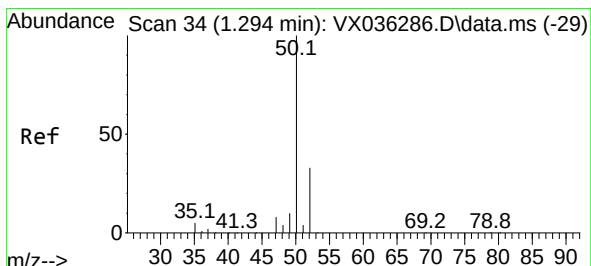
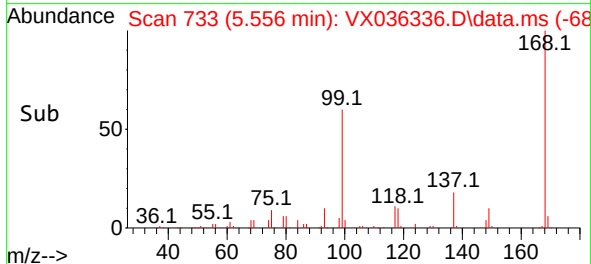
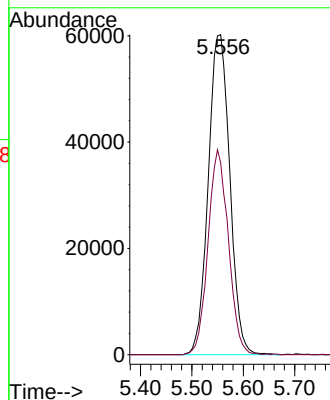


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.007 min  
Lab File: VX036336.D  
Acq: 26 Jun 2023 18:03

Instrument :  
MSVOA\_X  
ClientSampleId :

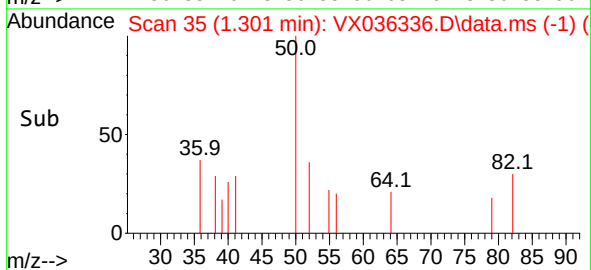
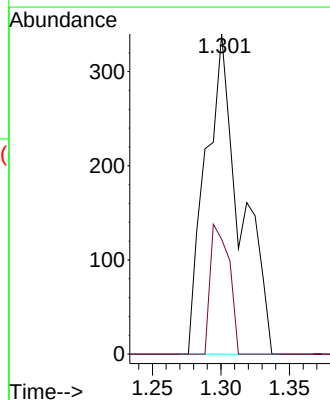
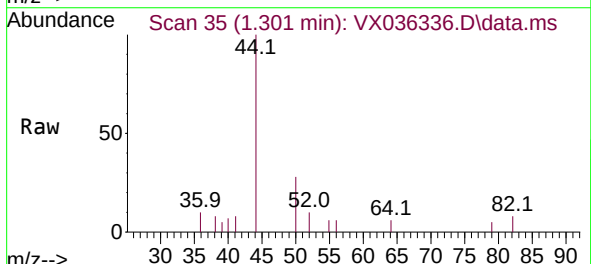


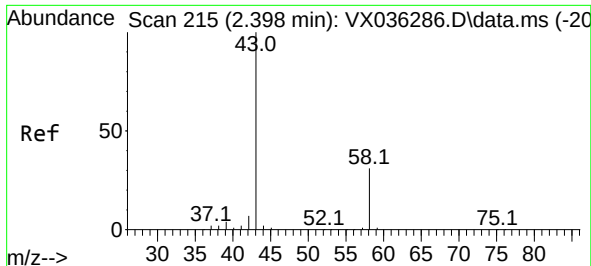
Tgt Ion:168 Resp: 175493  
Ion Ratio Lower Upper  
168 100  
99 60.0 56.6 85.0



#3  
Chloromethane  
Concen: 0.209 ug/l  
RT: 1.301 min Scan# 35  
Delta R.T. 0.007 min  
Lab File: VX036336.D  
Acq: 26 Jun 2023 18:03

Tgt Ion: 50 Resp: 601  
Ion Ratio Lower Upper  
50 100  
52 35.9 25.5 38.3

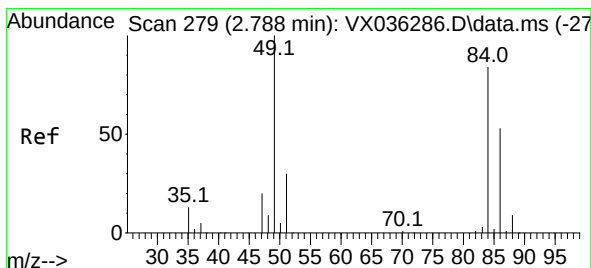
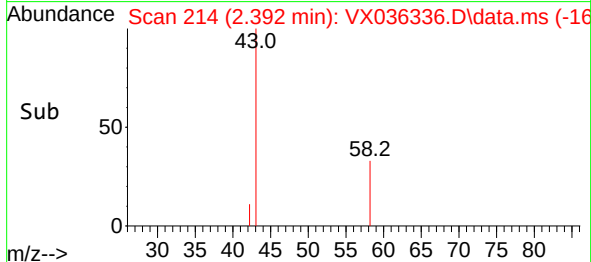
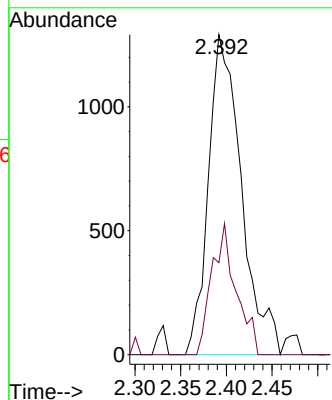
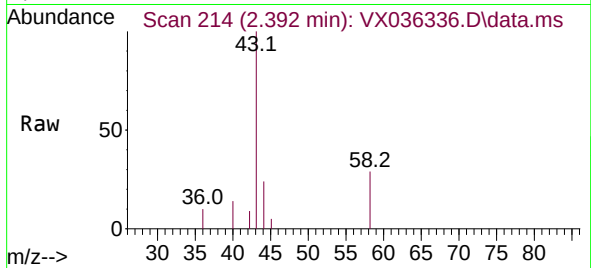




#16  
Acetone  
Concen: 3.009 ug/l  
RT: 2.392 min Scan# 215  
Delta R.T. -0.012 min  
Lab File: VX036336.D  
Acq: 26 Jun 2023 18:03

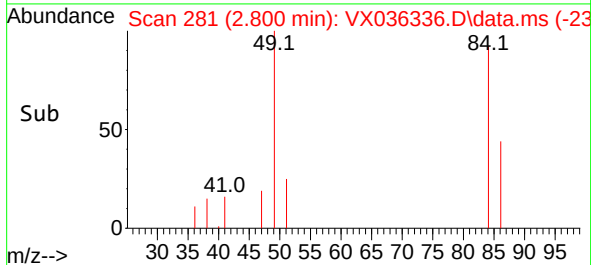
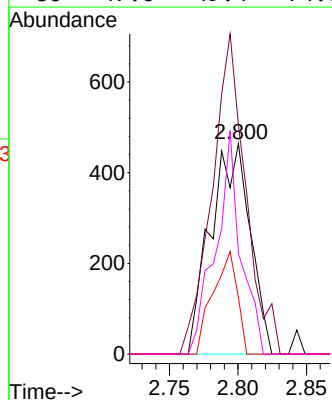
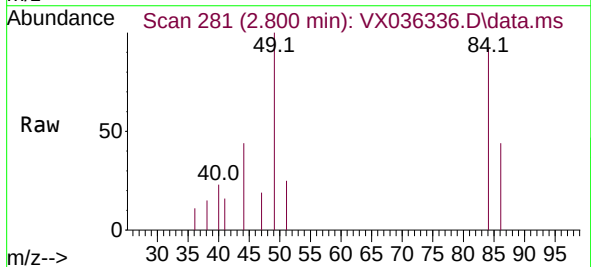
Instrument :  
MSVOA\_X  
ClientSampleId :

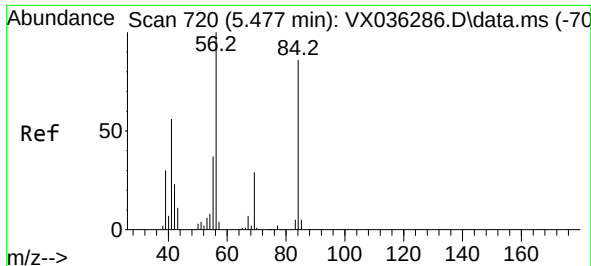
Tgt Ion: 43 Resp: 3235  
Ion Ratio Lower Upper  
43 100  
58 28.7 21.9 32.9



#20  
Methylene Chloride  
Concen: 0.403 ug/l  
RT: 2.800 min Scan# 281  
Delta R.T. 0.012 min  
Lab File: VX036336.D  
Acq: 26 Jun 2023 18:03

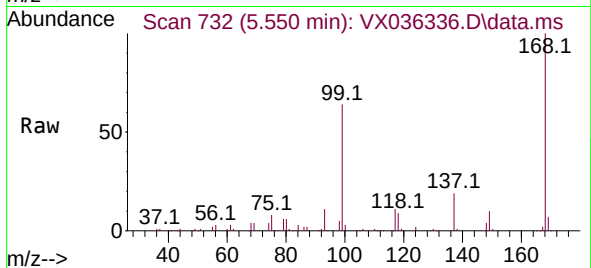
Tgt Ion: 84 Resp: 932  
Ion Ratio Lower Upper  
84 100  
49 108.8 103.6 155.4  
51 26.9 33.8 50.6#  
86 47.6 49.4 74.0#



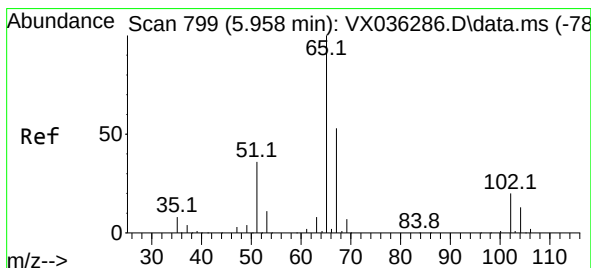
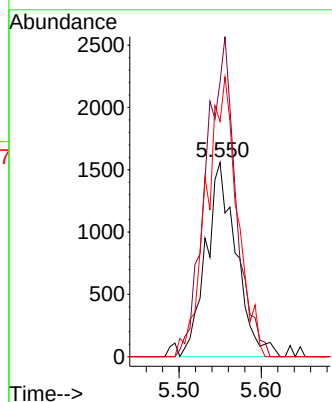
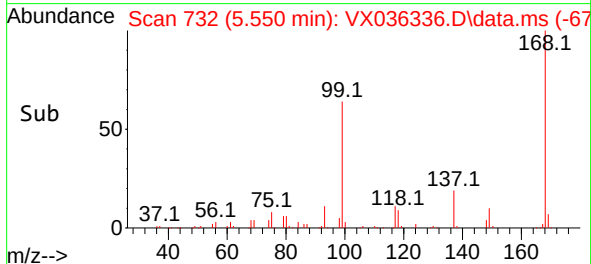


#31  
Cyclohexane  
Concen: 1.237 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.080 min  
Lab File: VX036336.D  
Acq: 26 Jun 2023 18:03

Instrument :  
MSVOA\_X  
ClientSampleId :

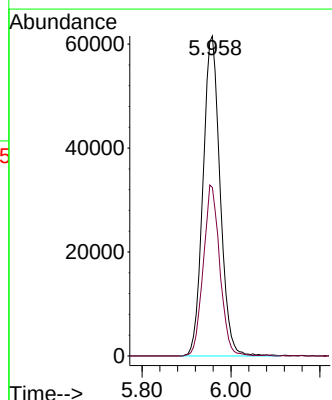
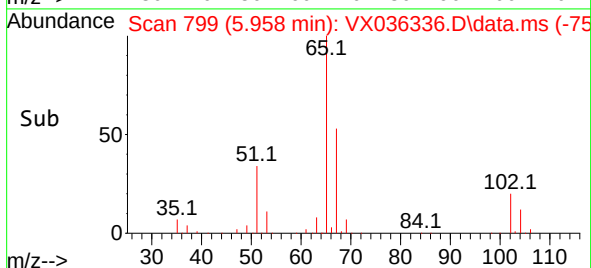
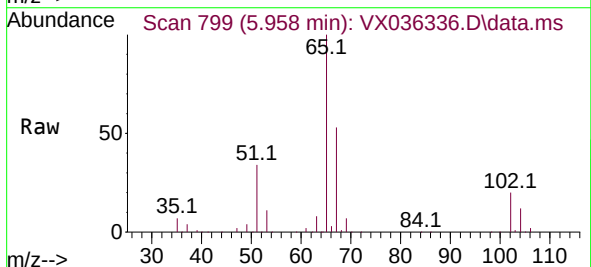


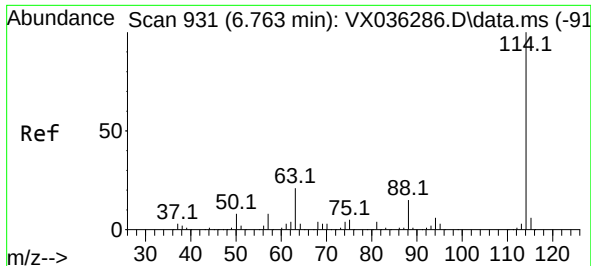
Tgt Ion: 56 Resp: 3988  
Ion Ratio Lower Upper  
56 100  
69 141.4 23.4 35.2#  
84 121.1 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 65.583 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX036336.D  
Acq: 26 Jun 2023 18:03

Tgt Ion: 65 Resp: 164978  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 100.2

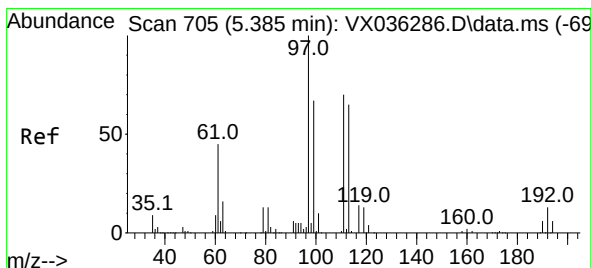
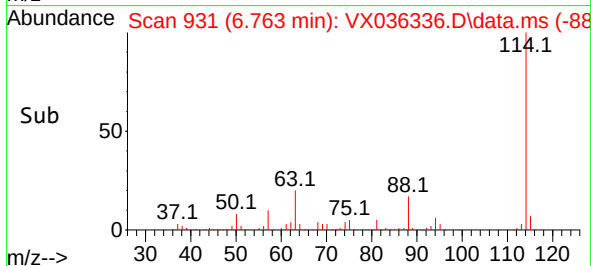
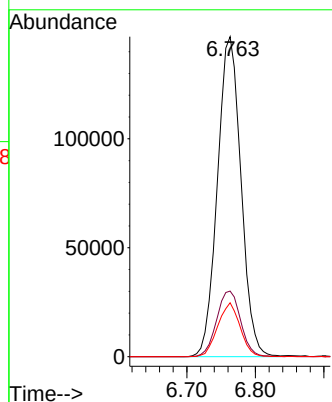
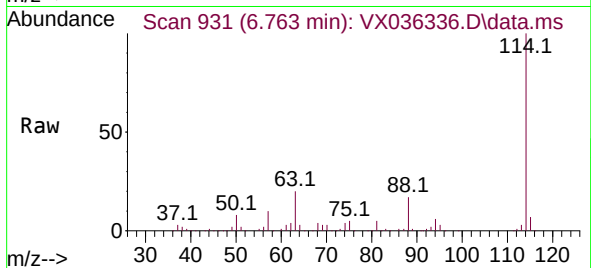




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX036336.D  
Acq: 26 Jun 2023 18:03

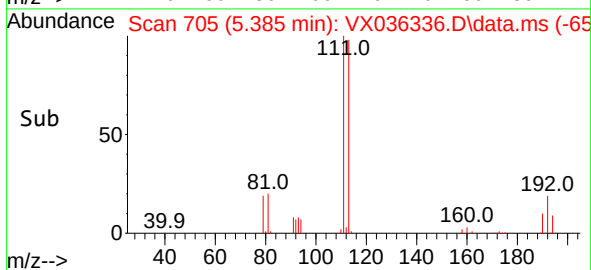
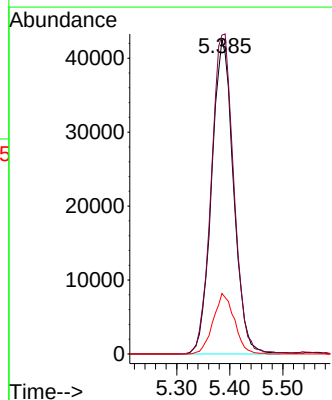
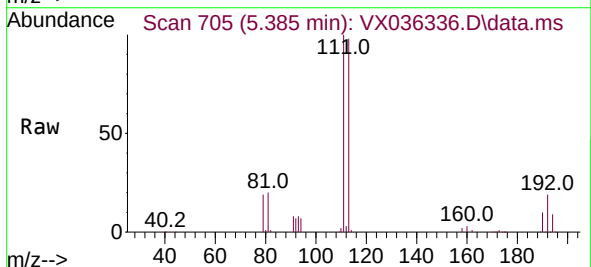
Instrument :  
MSVOA\_X  
ClientSampleId :

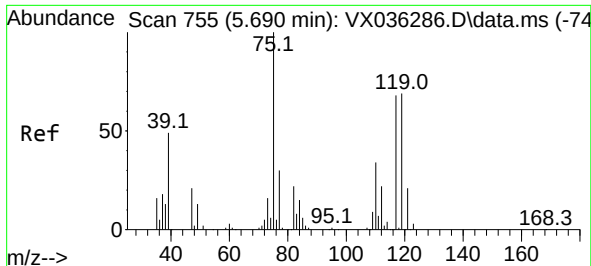
Tgt Ion:114 Resp: 350414  
Ion Ratio Lower Upper  
114 100  
63 20.5 0.0 45.0  
88 16.8 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 52.770 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX036336.D  
Acq: 26 Jun 2023 18:03

Tgt Ion:113 Resp: 121927  
Ion Ratio Lower Upper  
113 100  
111 104.5 82.9 124.3  
192 18.7 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.176 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

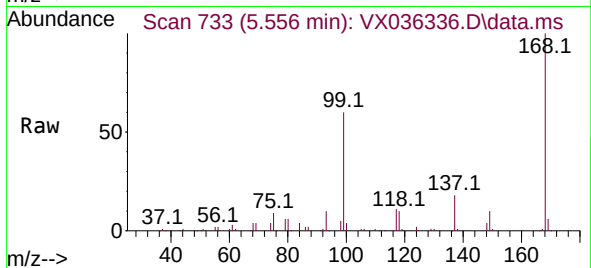
Lab File: VX036336.D

Acq: 26 Jun 2023 18:03

Instrument :

MSVOA\_X

ClientSampleId :



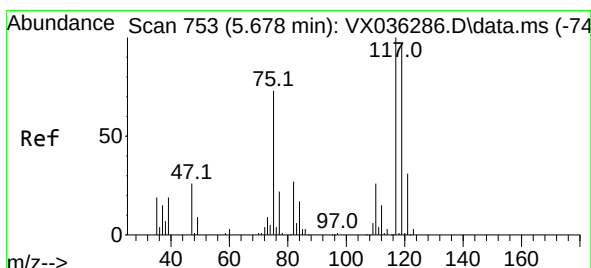
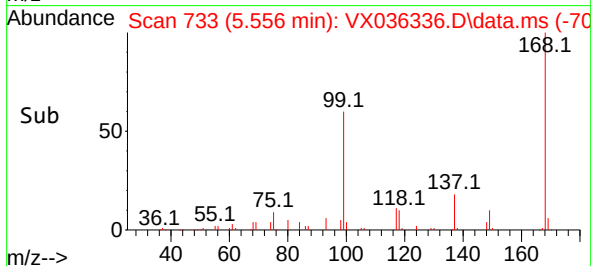
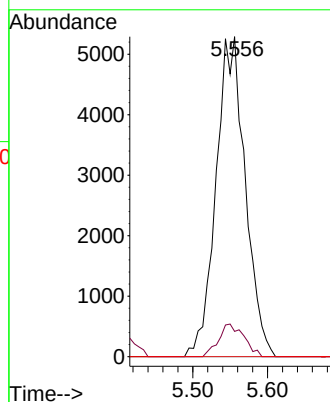
Tgt Ion: 75 Resp: 14383

Ion Ratio Lower Upper

75 100

110 8.9 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.790 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX036336.D

Acq: 26 Jun 2023 18:03

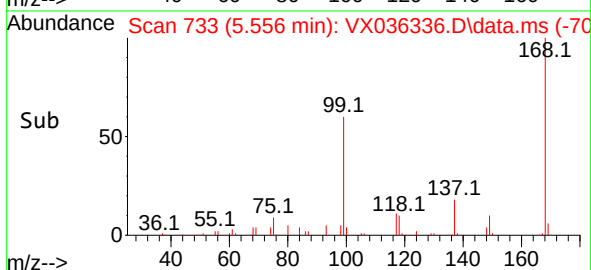
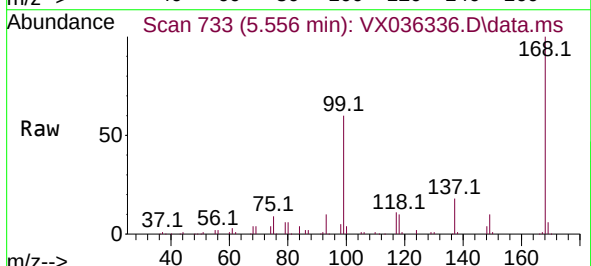
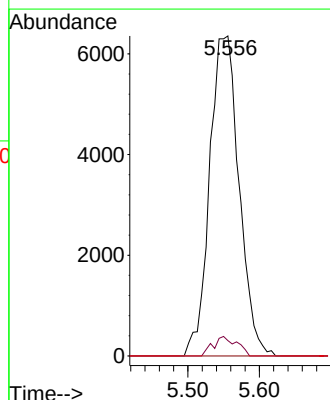
Tgt Ion: 117 Resp: 18213

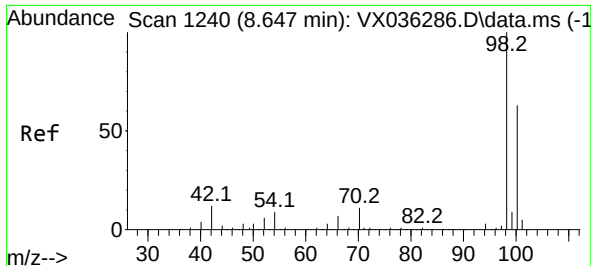
Ion Ratio Lower Upper

117 100

119 4.8 78.2 117.2#

121 0.0 24.4 36.6#

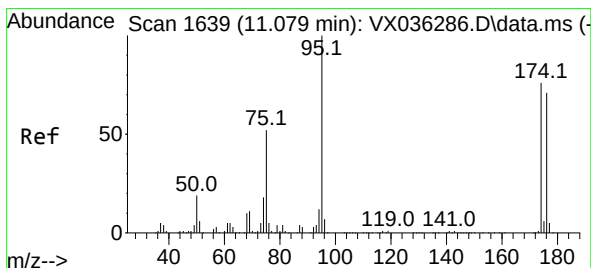
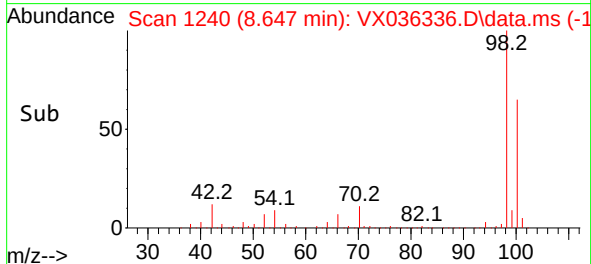
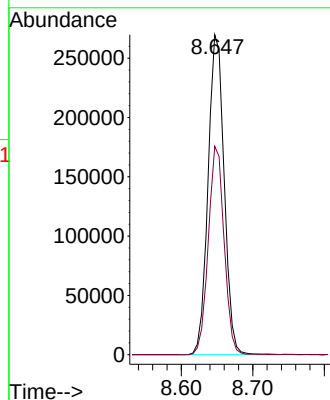
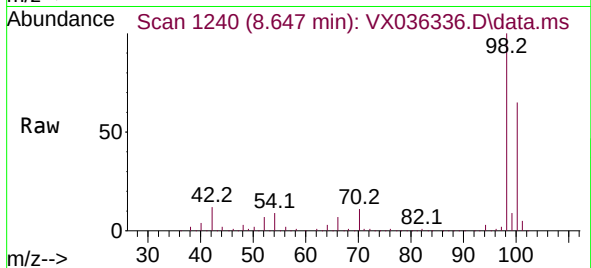




#50  
Toluene-d8  
Concen: 48.903 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VX036336.D  
Acq: 26 Jun 2023 18:03

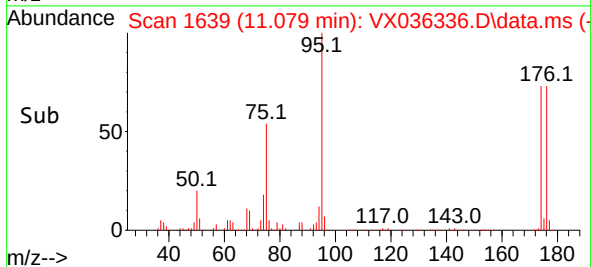
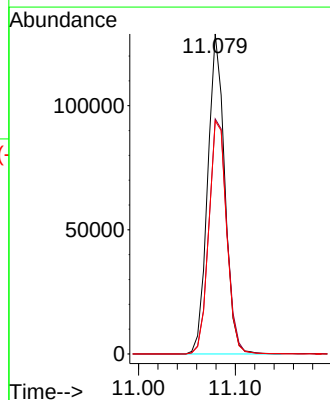
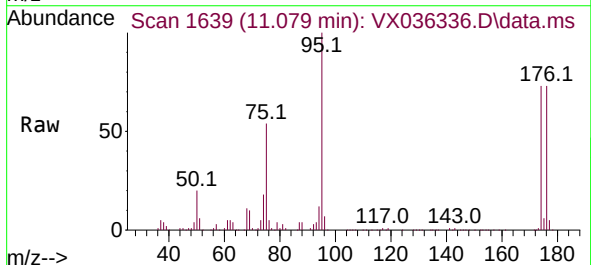
Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 98 Resp: 422027  
Ion Ratio Lower Upper  
98 100  
100 64.0 53.1 79.7

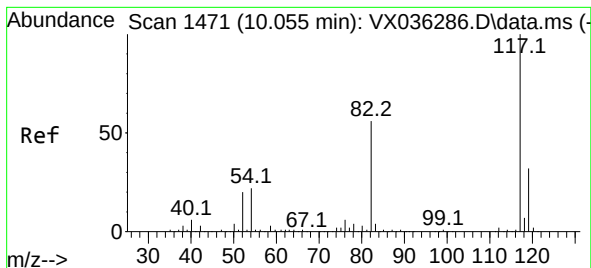


#62  
4-Bromofluorobenzene  
Concen: 52.089 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX036336.D  
Acq: 26 Jun 2023 18:03

Tgt Ion: 95 Resp: 158336  
Ion Ratio Lower Upper  
95 100  
174 77.4 0.0 135.6  
176 76.0 0.0 131.0







#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX036336.D

Acq: 26 Jun 2023 18:03

Instrument :

MSVOA\_X

ClientSampleId :

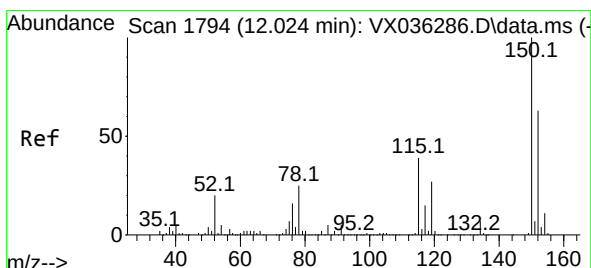
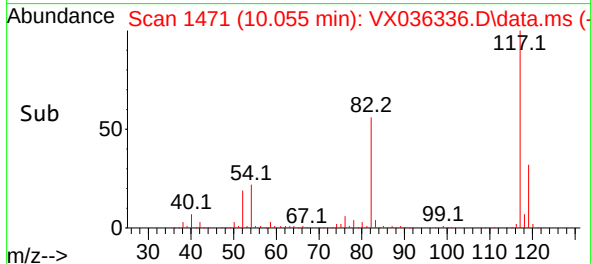
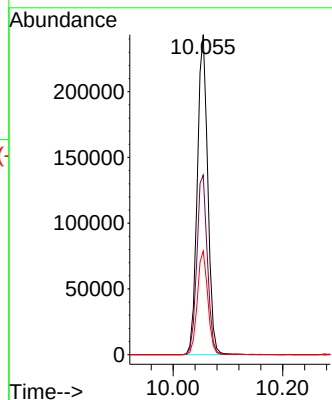
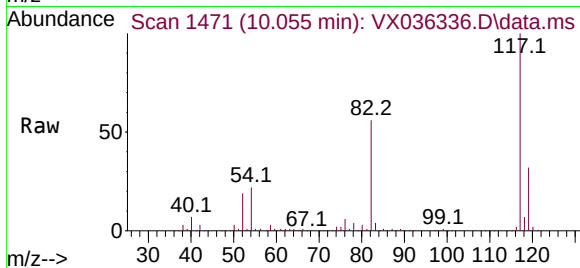
Tgt Ion:117 Resp: 323972

Ion Ratio Lower Upper

117 100

82 56.2 46.2 69.4

119 32.3 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX036336.D

Acq: 26 Jun 2023 18:03

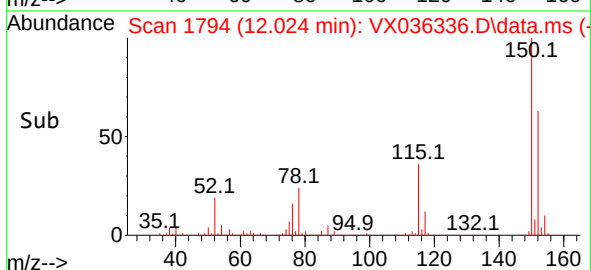
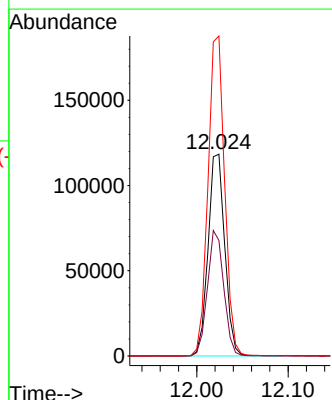
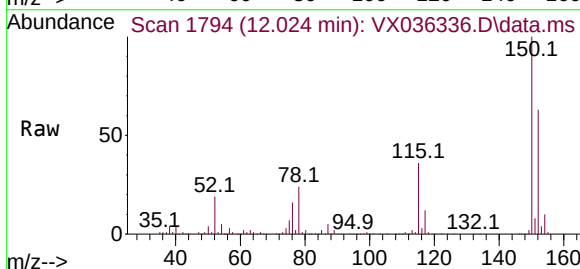
Tgt Ion:152 Resp: 149899

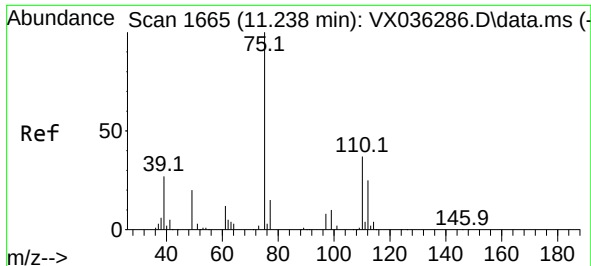
Ion Ratio Lower Upper

152 100

115 60.5 43.3 129.9

150 157.9 0.0 345.0

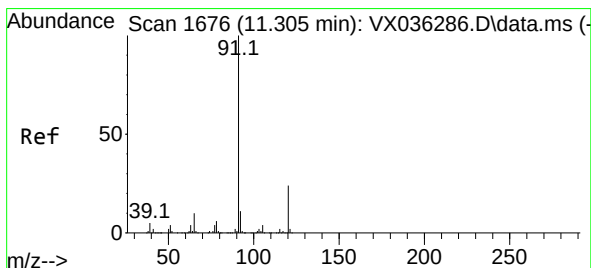
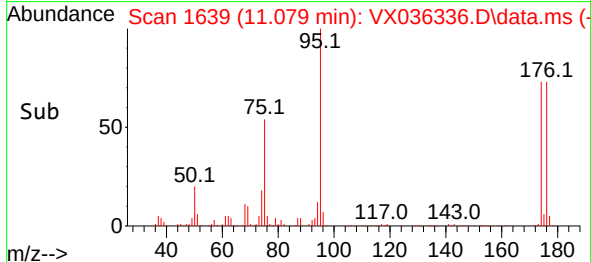
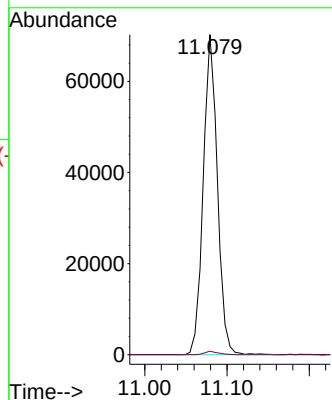
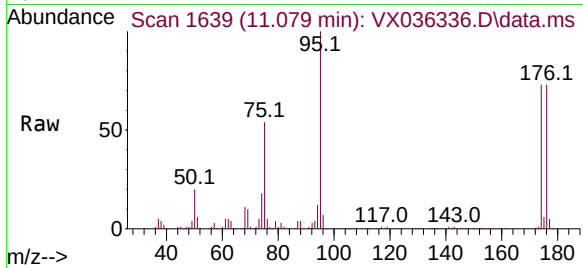




#76  
1,2,3-Trichloropropane  
Concen: 26.190 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX036336.D  
Acq: 26 Jun 2023 18:03

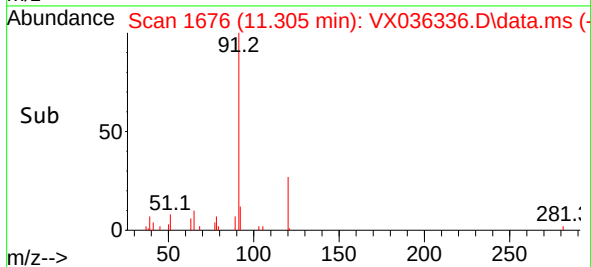
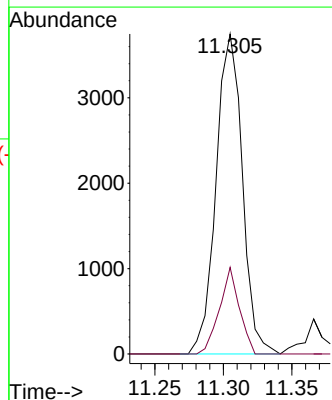
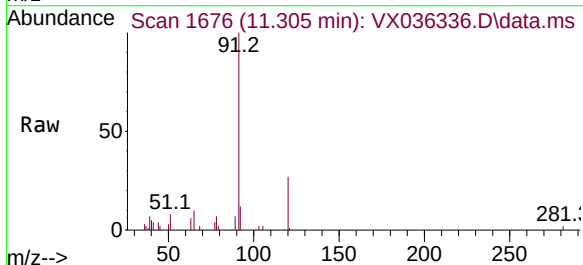
Instrument :  
MSVOA\_X  
ClientSampleId :

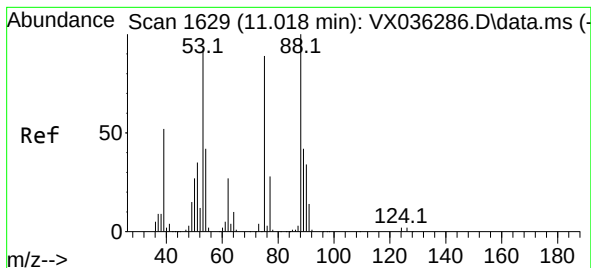
Tgt Ion: 75 Resp: 83741  
Ion Ratio Lower Upper  
75 100  
77 1.0 19.1 57.5#



#78  
n-propylbenzene  
Concen: 0.378 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VX036336.D  
Acq: 26 Jun 2023 18:03

Tgt Ion: 91 Resp: 4991  
Ion Ratio Lower Upper  
91 100  
120 20.6 11.5 34.4

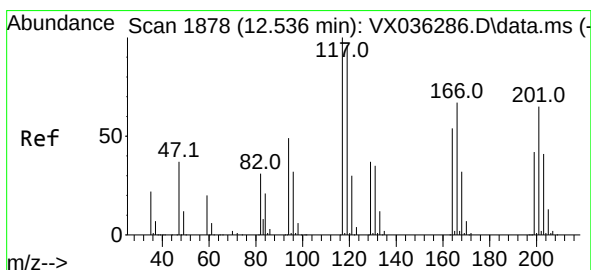
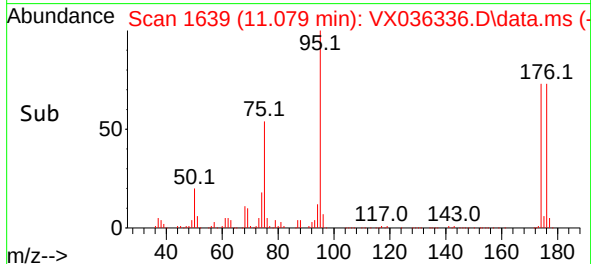
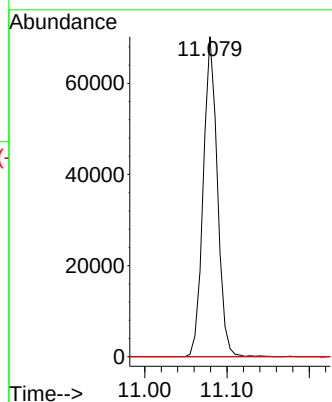
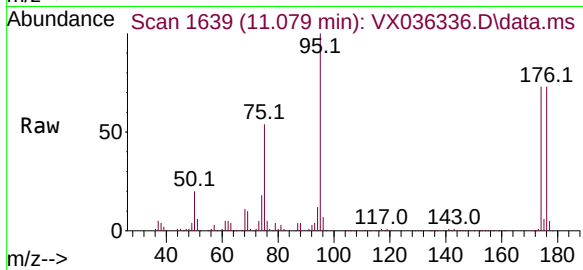




#81  
trans-1,4-Dichloro-2-butene  
Concen: 85.374 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX036336.D  
Acq: 26 Jun 2023 18:03

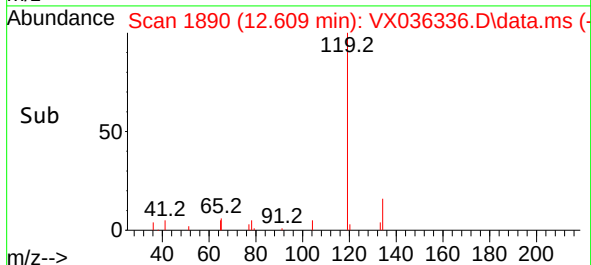
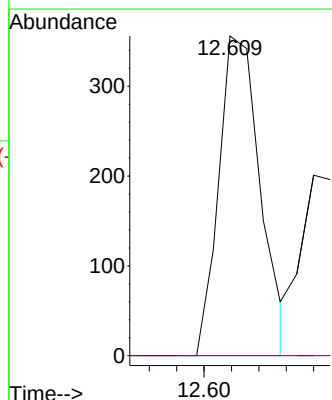
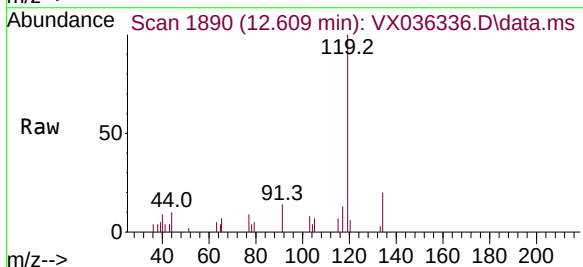
Instrument :  
MSVOA\_X  
ClientSampleId :

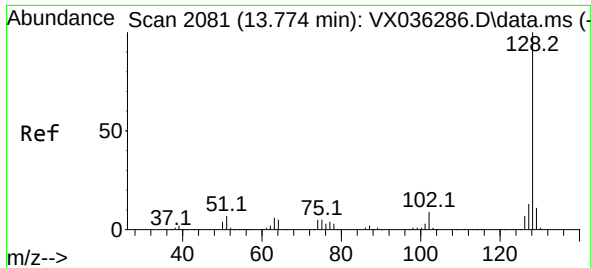
Tgt Ion: 75 Resp: 83741  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#



#90  
Hexachloroethane  
Concen: 0.254 ug/l  
RT: 12.609 min Scan# 1890  
Delta R.T. 0.073 min  
Lab File: VX036336.D  
Acq: 26 Jun 2023 18:03

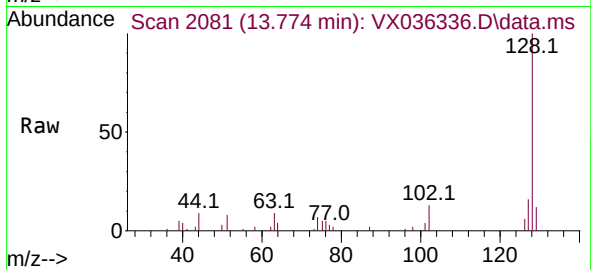
Tgt Ion: 117 Resp: 375  
Ion Ratio Lower Upper  
117 100  
201 0.0 32.9 98.6#





#95  
 Naphthalene  
 Concen: 0.657 ug/l  
 RT: 13.774 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VX036336.D  
 Acq: 26 Jun 2023 18:03

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion:128 Resp: 6723  
 Ion Ratio Lower Upper  
 128 100  
 127 15.2 10.3 15.5  
 129 11.1 8.8 13.2

