

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120122\  
 Data File : VX033148.D  
 Acq On : 01 Dec 2022 09:19  
 Operator : JC/MD  
 Sample : VX1201MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1201MBL01

Quant Time: Dec 02 00:46:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112222W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 22 13:58:46 2022  
 Response via : Initial Calibration

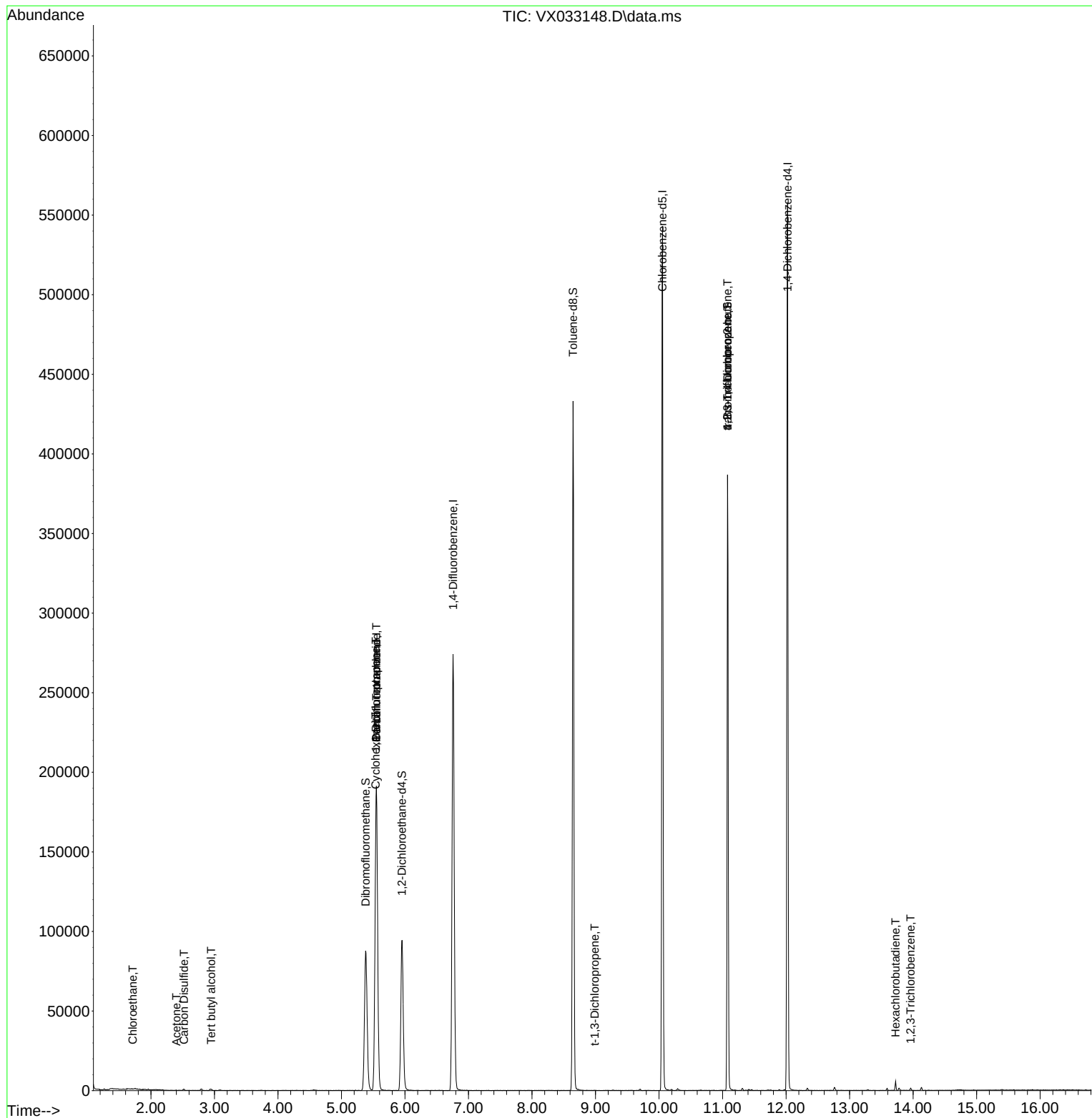
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 179553              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757          | 114  | 279936              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 249182              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 116861              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 94968               | 54.404    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 108.800% |           |        |          |
| 35) Dibromofluoromethane      | 5.379          | 113  | 76228               | 48.301    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 96.600%  |           |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 255705              | 54.024    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 108.040% |           |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 95026               | 45.838    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 91.680%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      | Qvalue              |           |        |          |
| 6) Chloroethane               | 1.715          | 64   | 303                 | 0.226     | ug/l # | 42       |
| 11) Tert butyl alcohol        | 2.946          | 59   | 606                 | 2.186     | ug/l # | 72       |
| 16) Acetone                   | 2.398          | 43   | 210                 | 0.257     | ug/l # | 45       |
| 17) Carbon Disulfide          | 2.520          | 76   | 1031                | 0.238     | ug/l # | 74       |
| 20) Methylene Chloride        | 2.794          | 84   | 431                 | Below Cal | #      | 79       |
| 31) Cyclohexane               | 5.537          | 56   | 3812                | 1.345     | ug/l # | 13       |
| 36) 1,1-Dichloropropene       | 5.544          | 75   | 14144               | 5.605     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.550          | 117  | 18442               | 6.588     | ug/l # | 15       |
| 53) t-1,3-Dichloropropene     | 8.988          | 75   | 83                  | 1.546     | ug/l # | 43       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 51297               | 23.178    | ug/l # | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 51297               | 75.340    | ug/l # | 6        |
| 94) Hexachlorobutadiene       | 13.725         | 225  | 803                 | 0.788     | ug/l   | 92       |
| 96) 1,2,3-Trichlorobenzene    | 13.963         | 180  | 475                 | 0.205     | ug/l   | 89       |
| -----                         |                |      |                     |           |        |          |

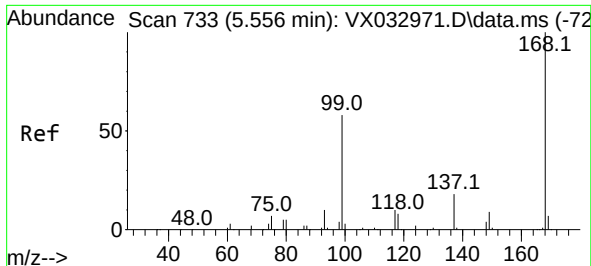
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120122\  
Data File : VX033148.D  
Acq On : 01 Dec 2022 09:19  
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Sample : VX1201MBL01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1201MBL01

Quant Time: Dec 02 00:46:14 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112222W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 22 13:58:46 2022  
Response via : Initial Calibration

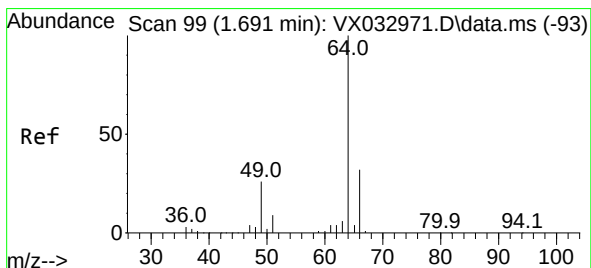
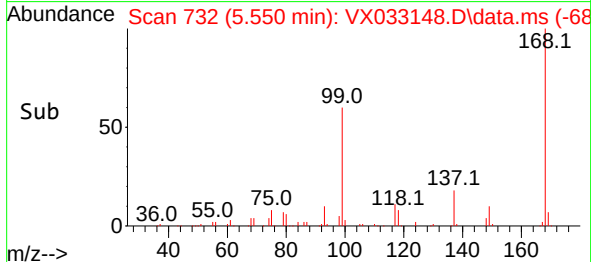
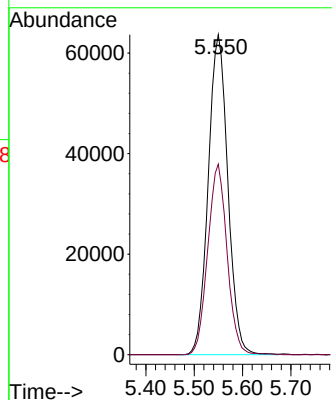
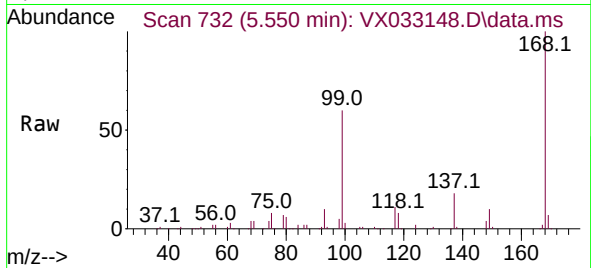




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX033148.D  
Acq: 01 Dec 2022 09:19

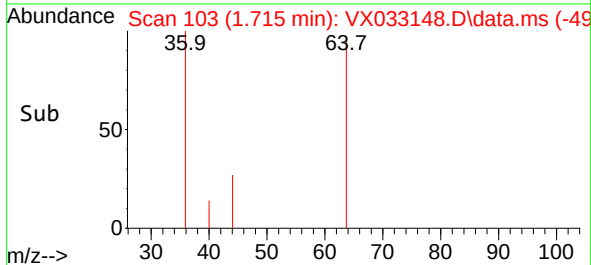
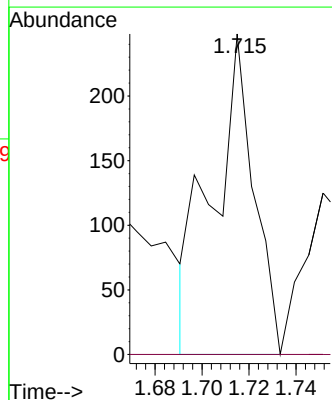
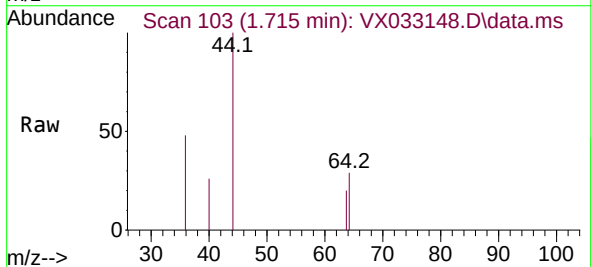
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1201MBL01

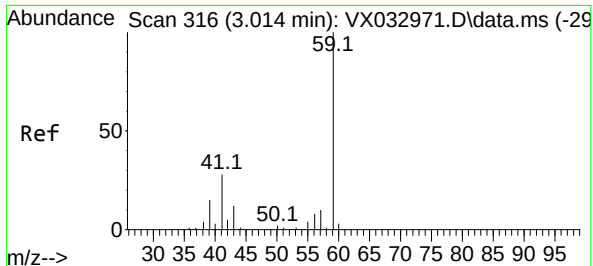
Tgt Ion:168 Resp: 179553  
Ion Ratio Lower Upper  
168 100  
99 59.6 46.1 69.1



#6  
Chloroethane  
Concen: 0.226 ug/l  
RT: 1.715 min Scan# 103  
Delta R.T. 0.030 min  
Lab File: VX033148.D  
Acq: 01 Dec 2022 09:19

Tgt Ion: 64 Resp: 303  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.0 39.0#





#11

Tert butyl alcohol

Concen: 2.186 ug/l

RT: 2.946 min Scan# 30

Delta R.T. -0.019 min

Lab File: VX033148.D

Acq: 01 Dec 2022 09:19

Instrument :

MSVOA\_X

ClientSampleId :

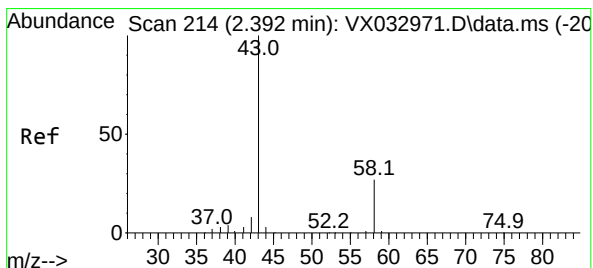
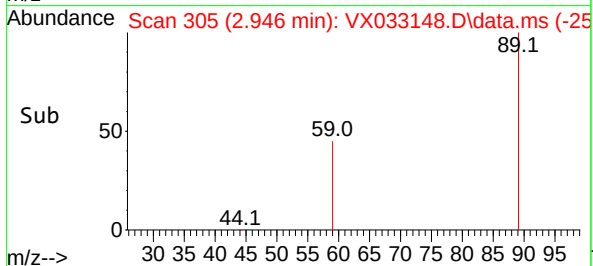
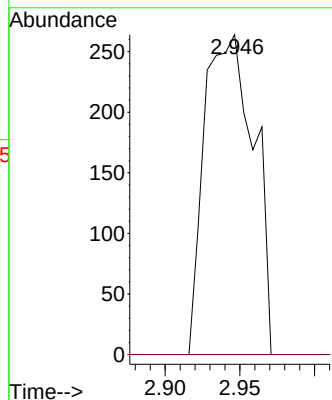
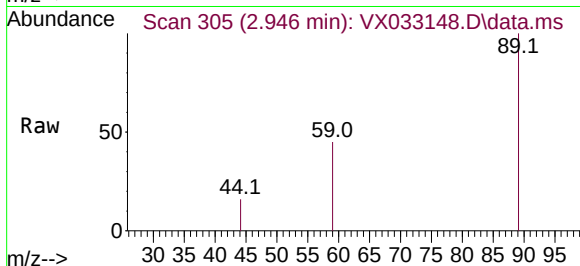
VX1201MBL01

Tgt Ion: 59 Resp: 606

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 0.257 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.018 min

Lab File: VX033148.D

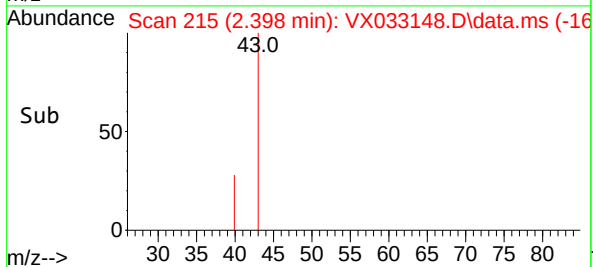
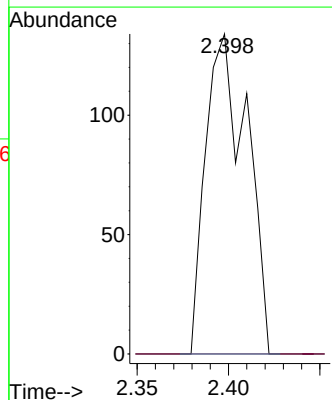
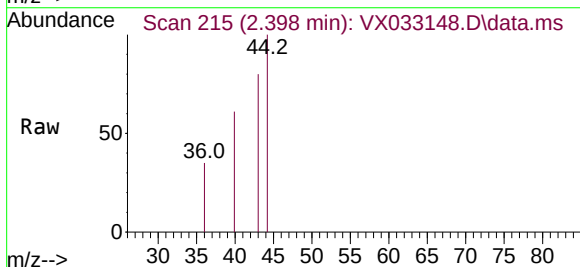
Acq: 01 Dec 2022 09:19

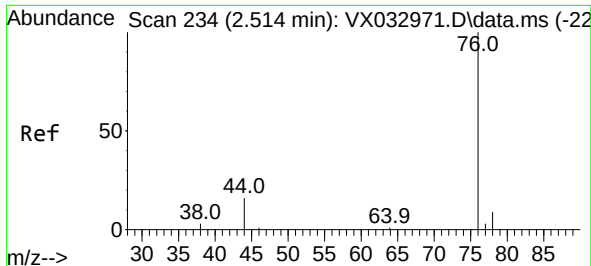
Tgt Ion: 43 Resp: 210

Ion Ratio Lower Upper

43 100

58 0.0 23.8 35.8#

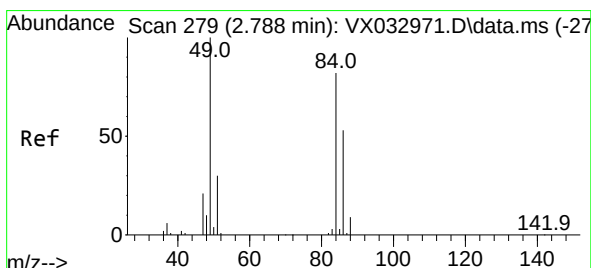
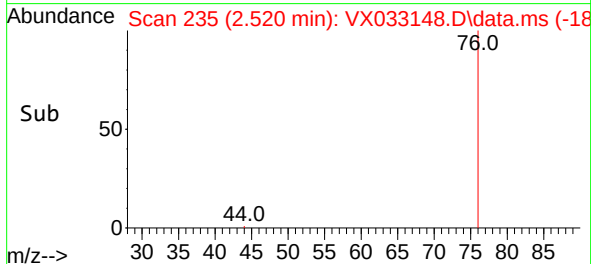
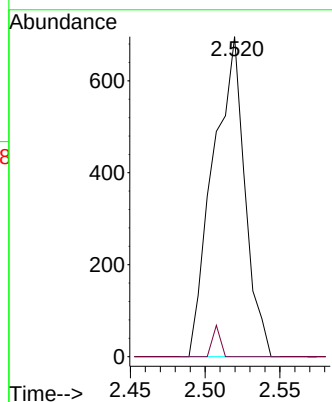
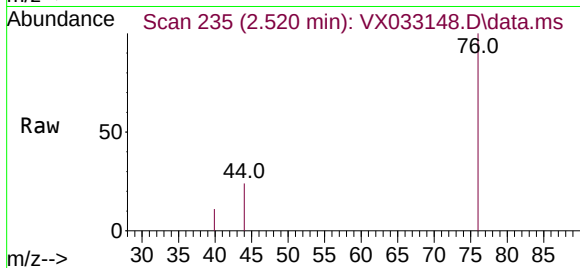




#17  
Carbon Disulfide  
Concen: 0.238 ug/l  
RT: 2.520 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX033148.D  
Acq: 01 Dec 2022 09:19

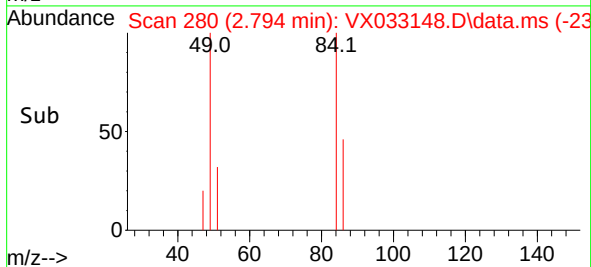
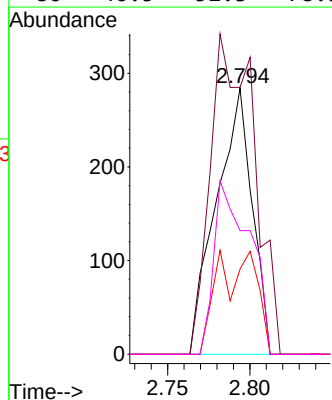
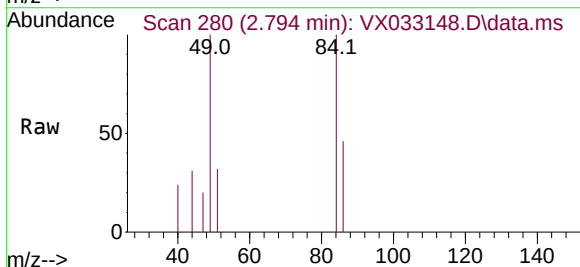
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1201MBL01

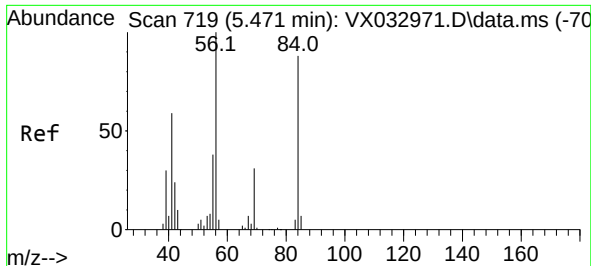
Tgt Ion: 76 Resp: 1031  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.5 11.3#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX033148.D  
Acq: 01 Dec 2022 09:19

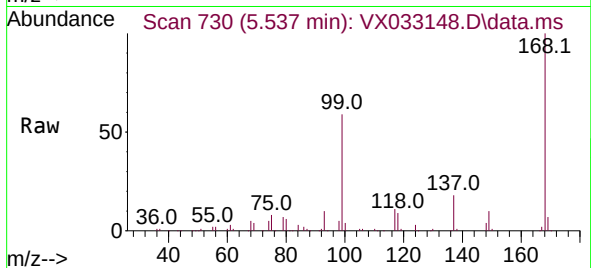
Tgt Ion: 84 Resp: 431  
Ion Ratio Lower Upper  
84 100  
49 100.4 101.0 151.6#  
51 32.0 31.1 46.7  
86 46.5 52.3 78.5#



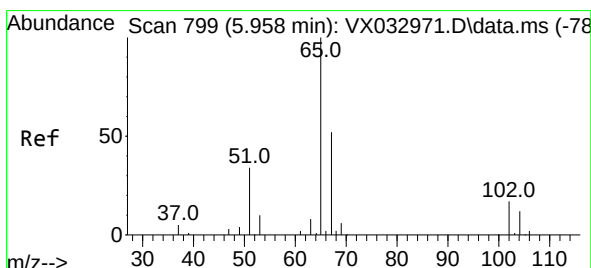
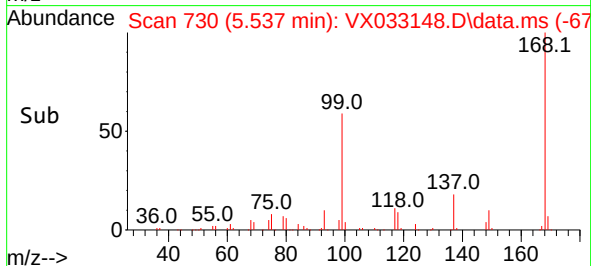
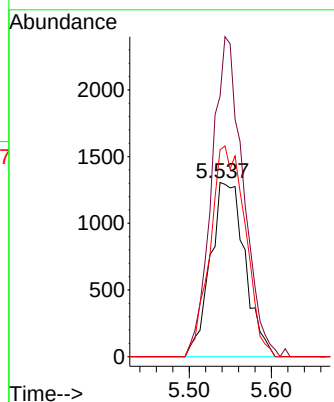


#31  
Cyclohexane  
Concen: 1.345 ug/l  
RT: 5.537 min Scan# 719  
Delta R.T. 0.067 min  
Lab File: VX033148.D  
Acq: 01 Dec 2022 09:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1201MBL01

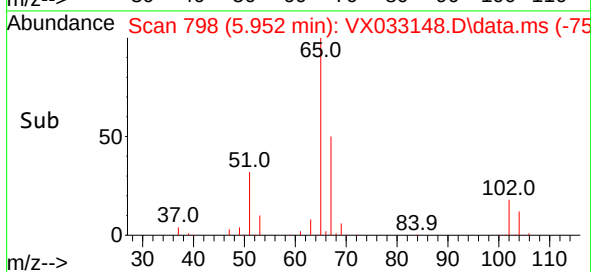
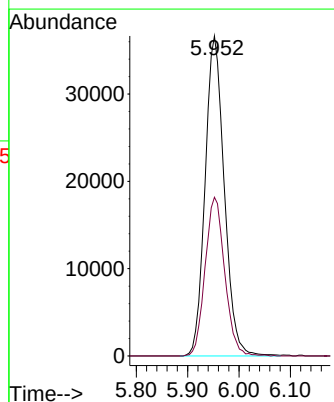
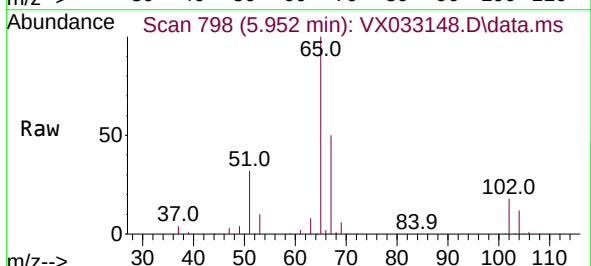


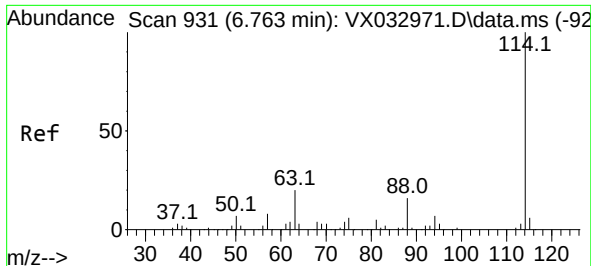
Tgt Ion: 56 Resp: 3812  
Ion Ratio Lower Upper  
56 100  
69 149.5 24.1 36.1#  
84 118.8 66.9 100.3#



#33  
1,2-Dichloroethane-d4  
Concen: 54.404 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.006 min  
Lab File: VX033148.D  
Acq: 01 Dec 2022 09:19

Tgt Ion: 65 Resp: 94968  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 101.8

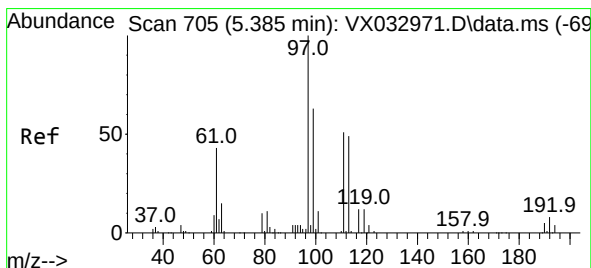
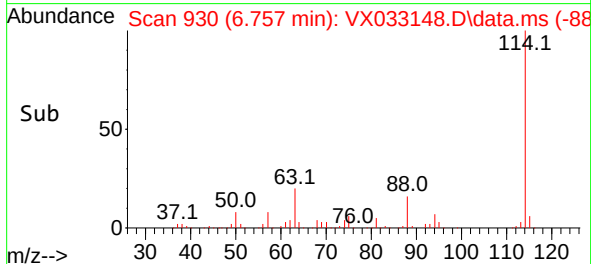
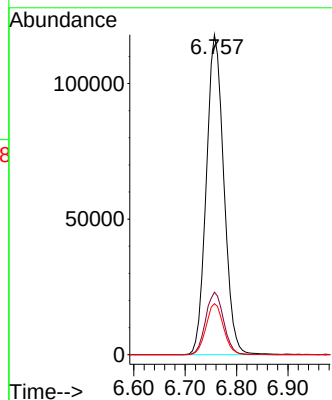
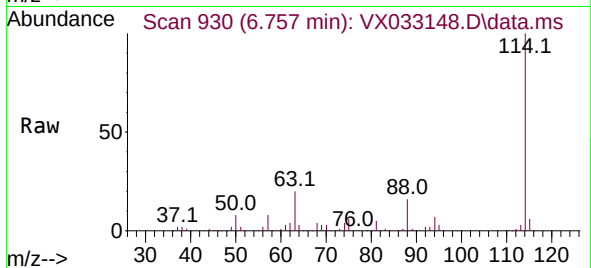




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VX033148.D  
Acq: 01 Dec 2022 09:19

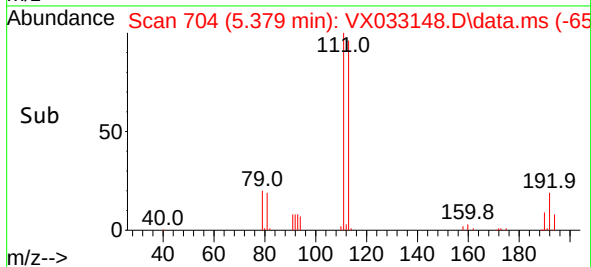
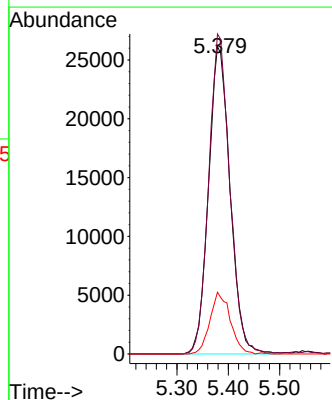
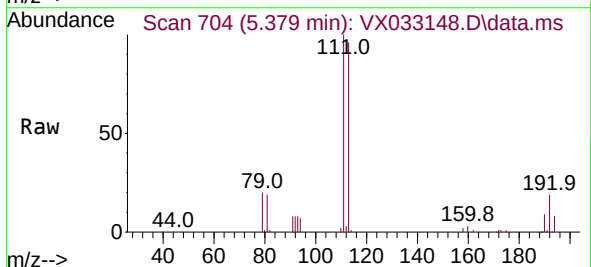
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1201MBL01

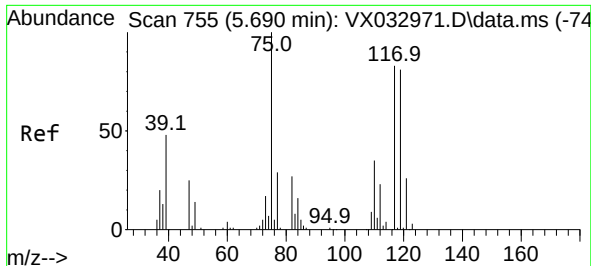
Tgt Ion:114 Resp: 279936  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 41.6  
88 15.9 0.0 33.4



#35  
Dibromofluoromethane  
Concen: 48.301 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VX033148.D  
Acq: 01 Dec 2022 09:19

Tgt Ion:113 Resp: 76228  
Ion Ratio Lower Upper  
113 100  
111 102.0 82.4 123.6  
192 19.0 15.4 23.2





#36

1,1-Dichloropropene

Concen: 5.605 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.152 min

Lab File: VX033148.D

Acq: 01 Dec 2022 09:19

Instrument :

MSVOA\_X

ClientSampleId :

VX1201MBL01

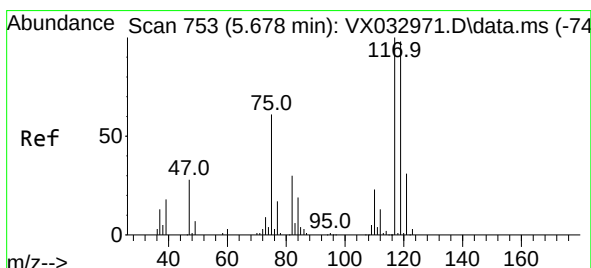
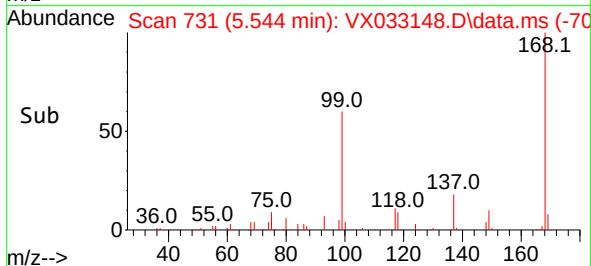
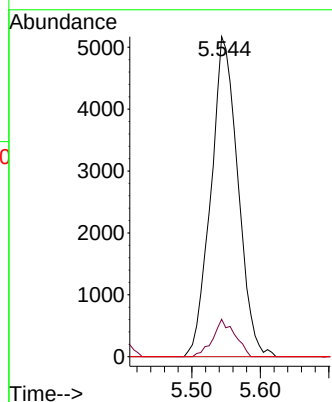
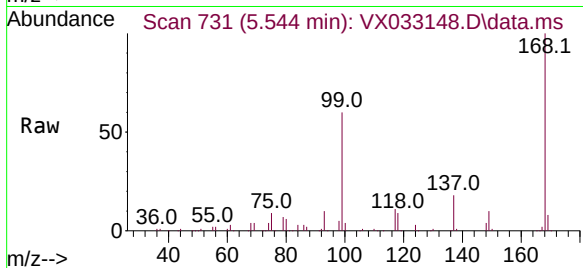
Tgt Ion: 75 Resp: 14144

Ion Ratio Lower Upper

75 100

110 9.6 18.4 55.2#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.588 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX033148.D

Acq: 01 Dec 2022 09:19

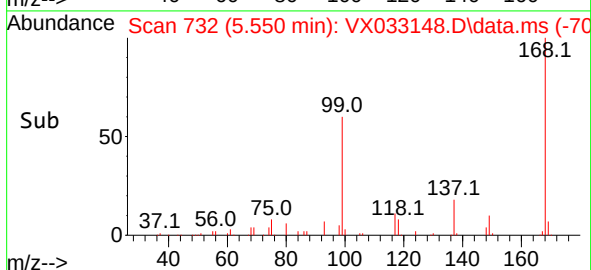
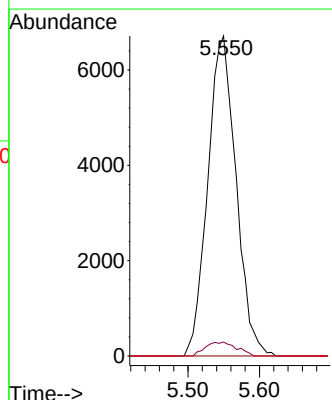
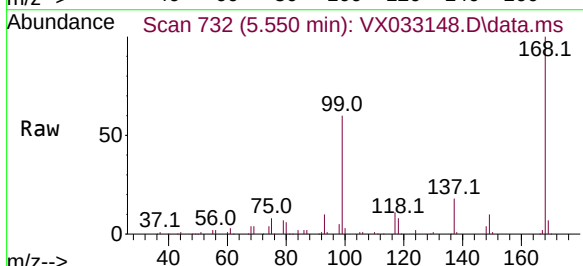
Tgt Ion: 117 Resp: 18442

Ion Ratio Lower Upper

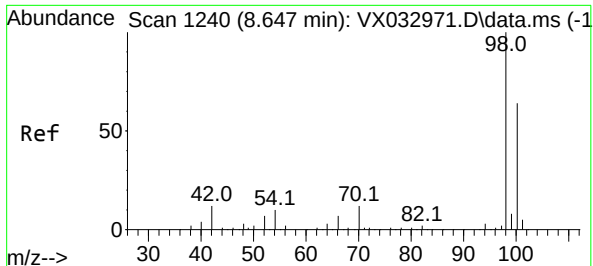
117 100

119 4.3 77.2 115.8#

121 0.0 25.8 38.6#



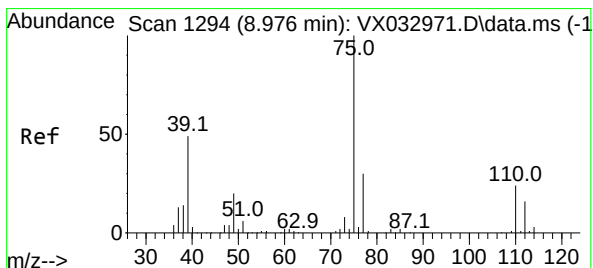
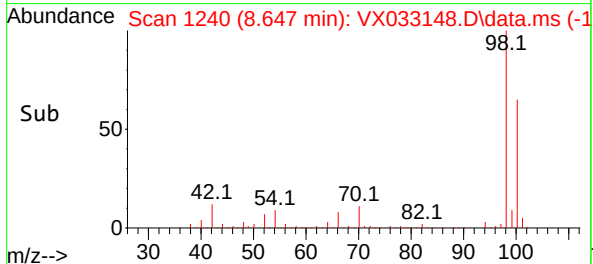
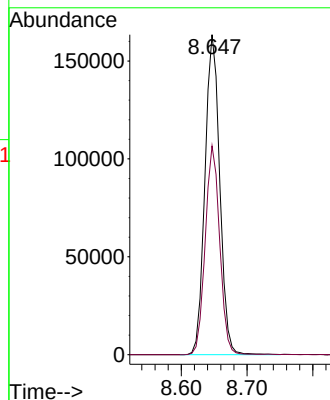
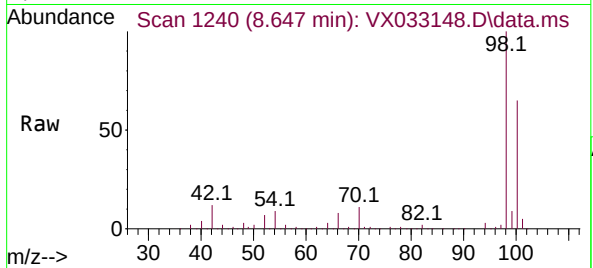




#50  
Toluene-d8  
Concen: 54.024 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX033148.D  
Acq: 01 Dec 2022 09:19

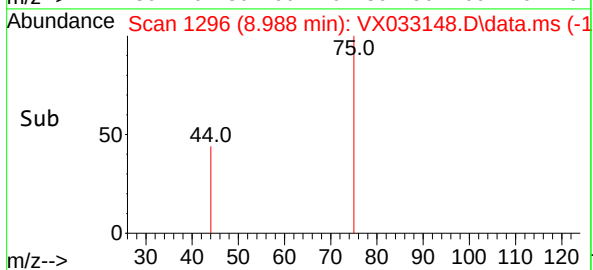
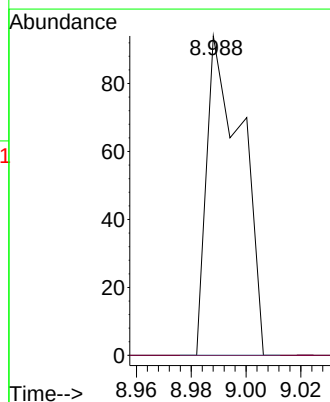
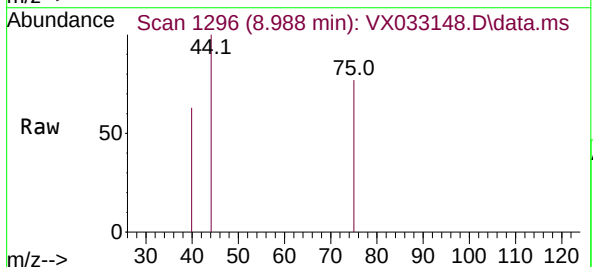
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1201MBL01

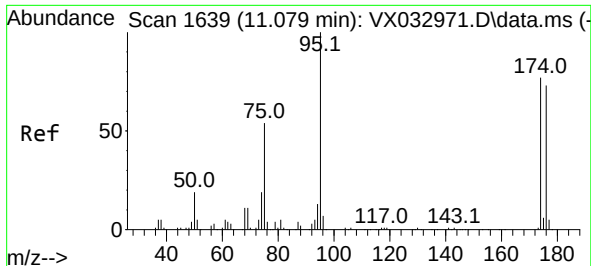
Tgt Ion: 98 Resp: 255705  
Ion Ratio Lower Upper  
98 100  
100 63.8 50.9 76.3



#53  
t-1,3-Dichloropropene  
Concen: 1.546 ug/l  
RT: 8.988 min Scan# 1296  
Delta R.T. 0.006 min  
Lab File: VX033148.D  
Acq: 01 Dec 2022 09:19

Tgt Ion: 75 Resp: 83  
Ion Ratio Lower Upper  
75 100  
77 0.0 25.1 37.7#

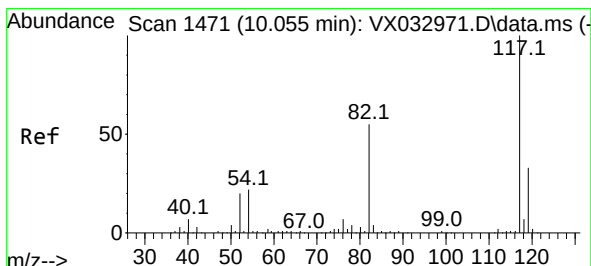
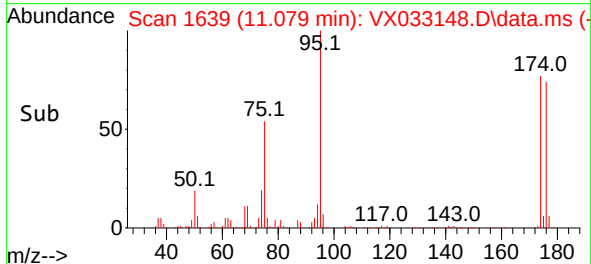
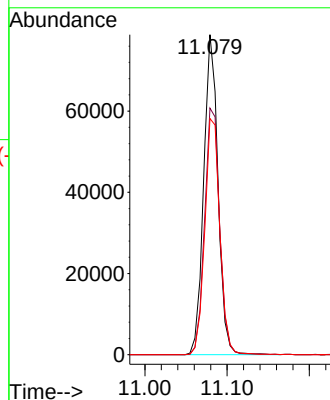
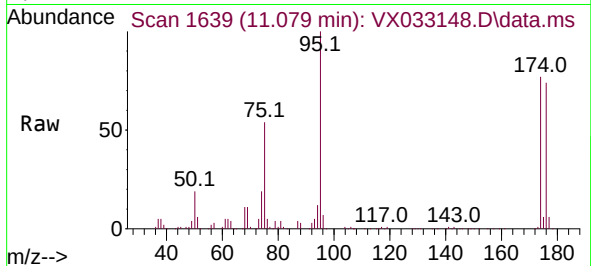




#62  
4-Bromofluorobenzene  
Concen: 45.838 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX033148.D  
Acq: 01 Dec 2022 09:19

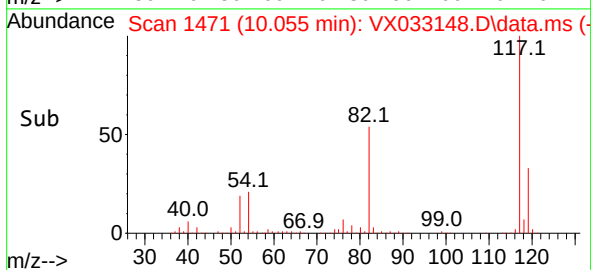
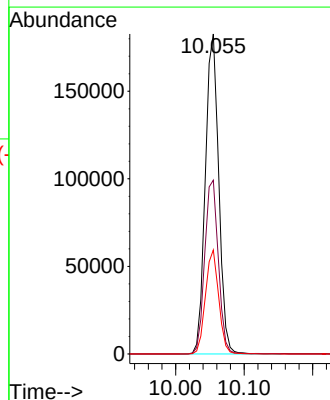
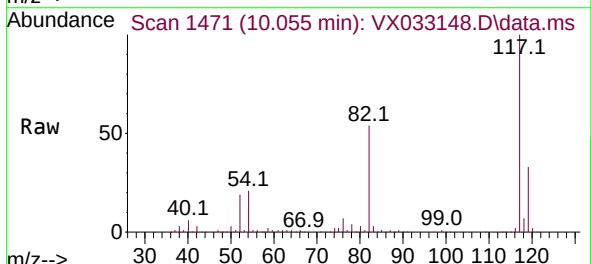
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1201MBL01

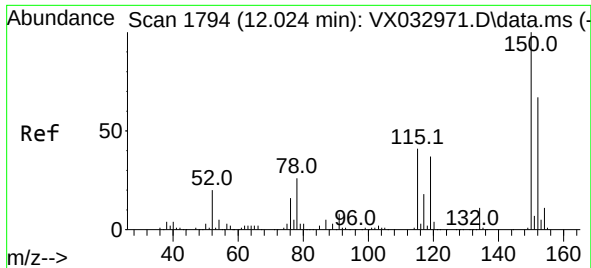
Tgt Ion: 95 Resp: 95026  
Ion Ratio Lower Upper  
95 100  
174 81.4 0.0 164.0  
176 78.2 0.0 154.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX033148.D  
Acq: 01 Dec 2022 09:19

Tgt Ion: 117 Resp: 249182  
Ion Ratio Lower Upper  
117 100  
82 54.3 44.3 66.5  
119 32.5 25.7 38.5

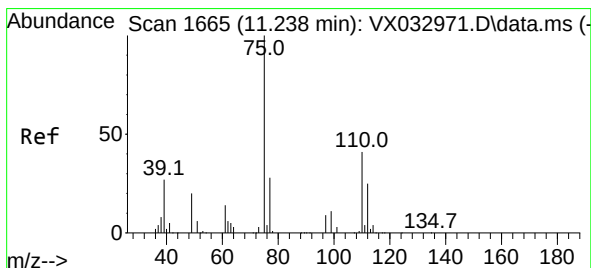
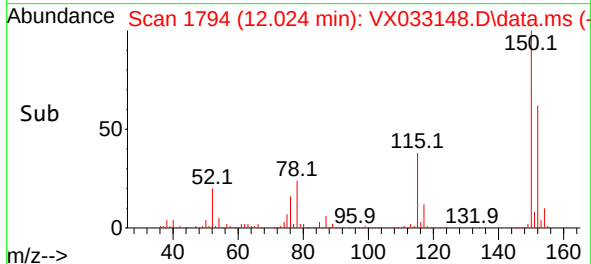
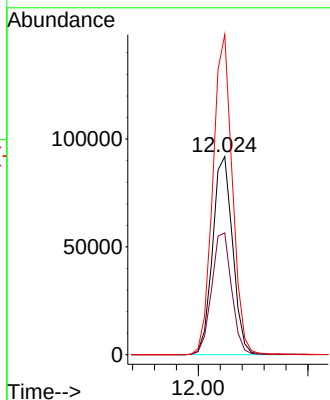
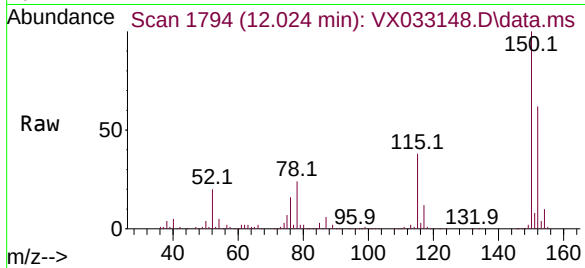




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX033148.D  
 Acq: 01 Dec 2022 09:19

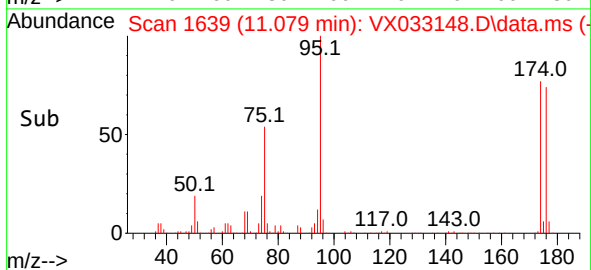
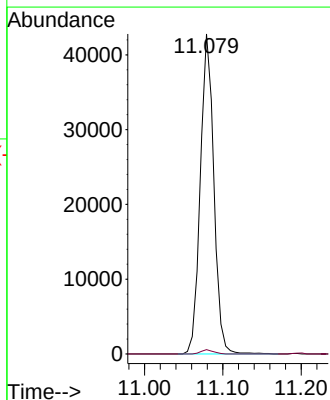
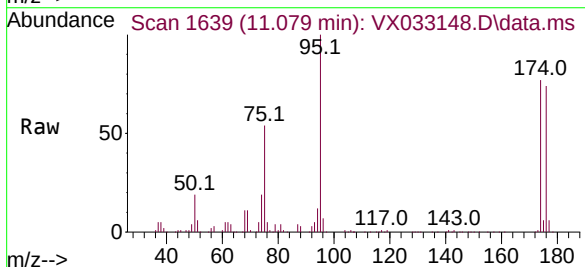
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1201MBL01

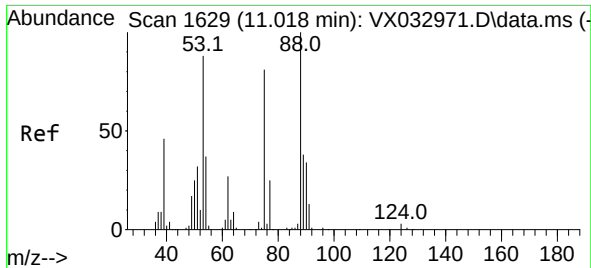
Tgt Ion:152 Resp: 116861  
 Ion Ratio Lower Upper  
 152 100  
 115 61.5 44.0 132.0  
 150 157.5 0.0 351.8



#76  
 1,2,3-Trichloropropane  
 Concen: 23.178 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.165 min  
 Lab File: VX033148.D  
 Acq: 01 Dec 2022 09:19

Tgt Ion: 75 Resp: 51297  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 20.0 60.0#

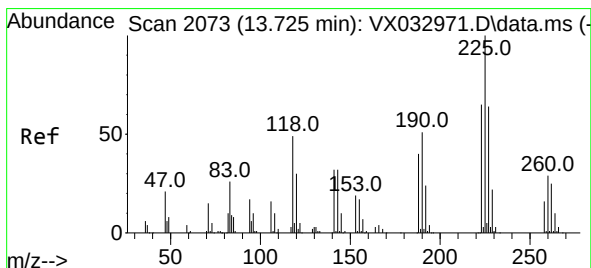
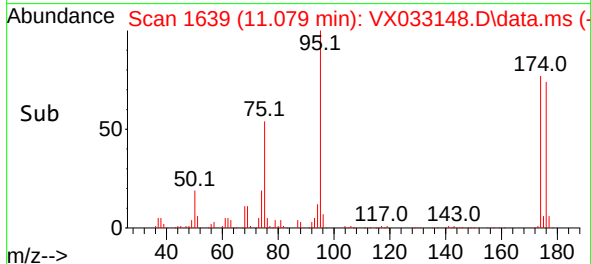
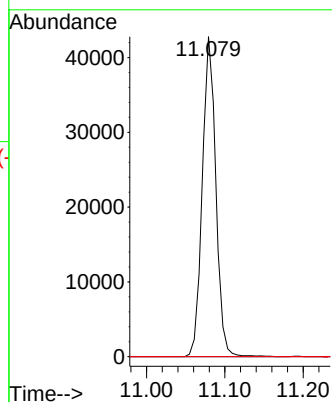
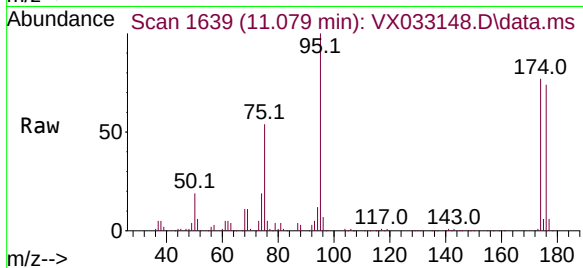




#81  
trans-1,4-Dichloro-2-butene  
Concen: 75.340 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX033148.D  
Acq: 01 Dec 2022 09:19

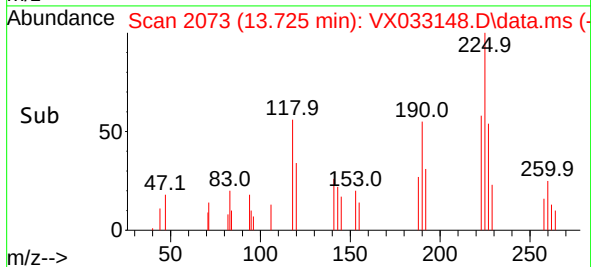
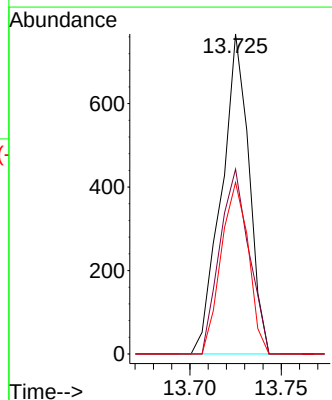
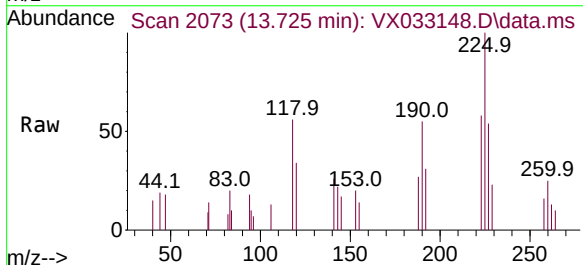
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1201MBL01

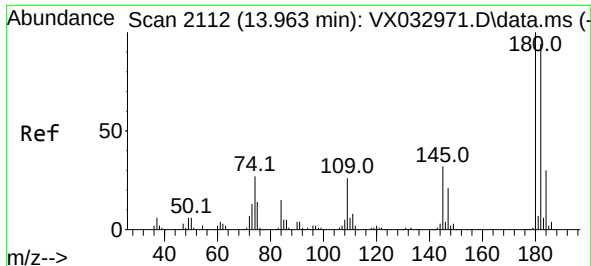
Tgt Ion: 75 Resp: 51297  
Ion Ratio Lower Upper  
75 100  
53 0.0 86.9 130.3#  
89 0.0 38.3 57.5#



#94  
Hexachlorobutadiene  
Concen: 0.788 ug/l  
RT: 13.725 min Scan# 2073  
Delta R.T. 0.000 min  
Lab File: VX033148.D  
Acq: 01 Dec 2022 09:19

Tgt Ion: 225 Resp: 803  
Ion Ratio Lower Upper  
225 100  
223 61.4 31.9 95.9  
227 53.2 31.9 95.5





#96

1,2,3-Trichlorobenzene

Concen: 0.205 ug/l

RT: 13.963 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX033148.D

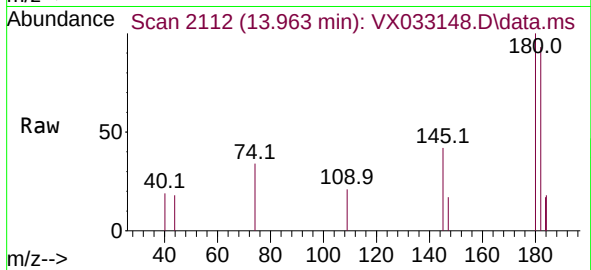
Acq: 01 Dec 2022 09:19

Instrument :

MSVOA\_X

ClientSampleId :

VX1201MBL01



Tgt Ion:180 Resp: 475

Ion Ratio Lower Upper

180 100

182 109.1 47.5 142.6

145 32.8 16.9 50.6

