

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111522\  
 Data File : VX032831.D  
 Acq On : 15 Nov 2022 18:30  
 Operator : JC/MD  
 Sample : N5614-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 16 03:35:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 27 08:28:06 2022  
 Response via : Initial Calibration

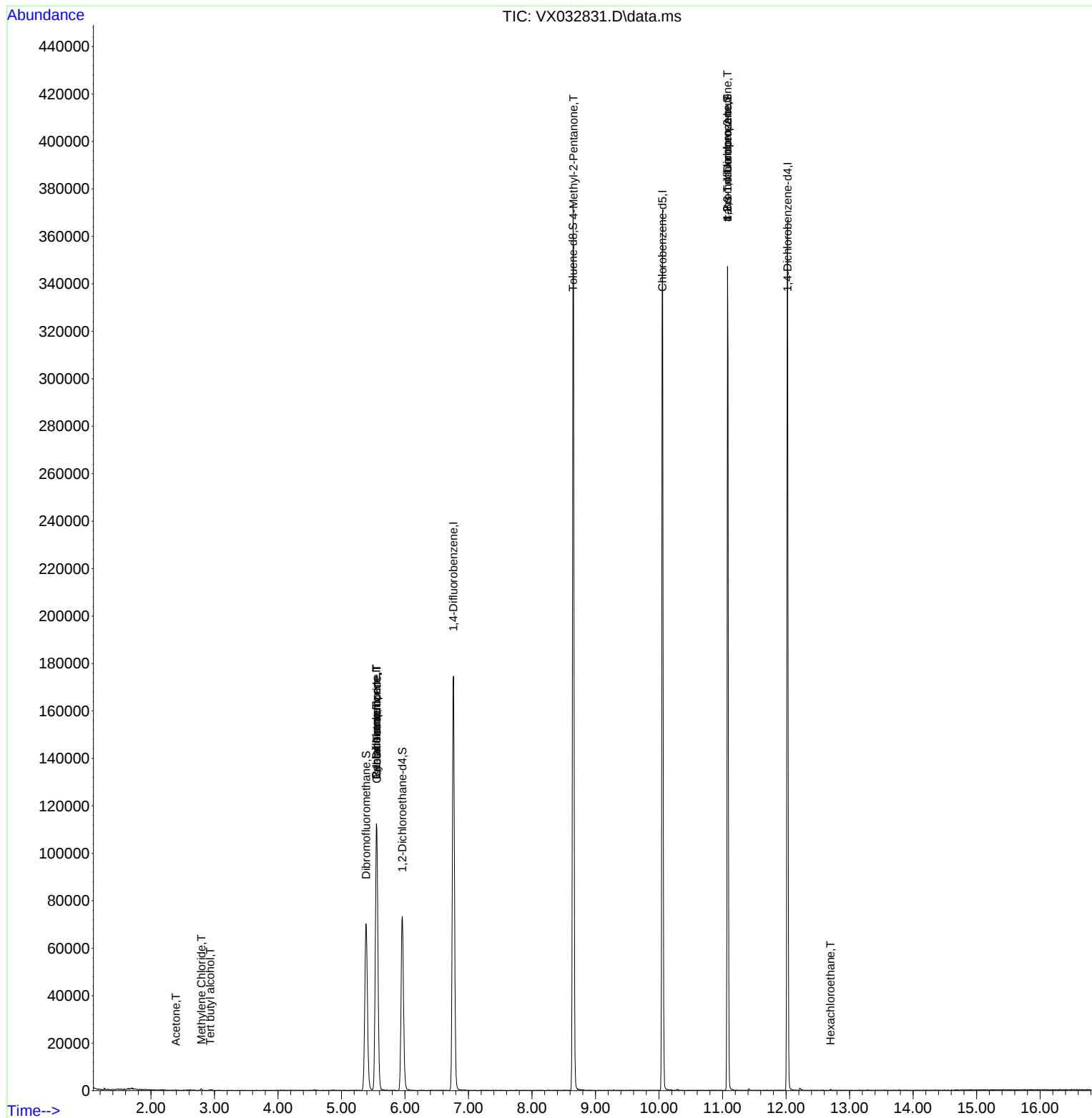
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 107637     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 177633     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 162939     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 76740      | 50.000  | ug/l   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 74220      | 49.626  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 99.260% |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 60903      | 48.066  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 96.140% |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 220163     | 49.970  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 99.940% |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 85061      | 49.424  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 98.840% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        |          |
|                               |                |      |            |         | Qvalue |          |
| 11) Tert butyl alcohol        | 2.934          | 59   | 180        | 0.827   | ug/l # | 72       |
| 16) Acetone                   | 2.392          | 43   | 313        | 0.576   | ug/l # | 45       |
| 20) Methylene Chloride        | 2.794          | 84   | 311        | 0.250   | ug/l # | 75       |
| 31) Cyclohexane               | 5.550          | 56   | 2335       | 1.288   | ug/l # | 10       |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 8039       | 4.556   | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 11098      | 5.671   | ug/l # | 14       |
| 51) 4-Methyl-2-Pentanone      | 8.653          | 43   | 1032       | 0.581   | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 45780      | 26.815  | ug/l # | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 45780      | 85.325  | ug/l # | 6        |
| 90) Hexachloroethane          | 12.701         | 117  | 249        | 0.288   | ug/l # | 12       |
| -----                         |                |      |            |         |        |          |

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

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ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

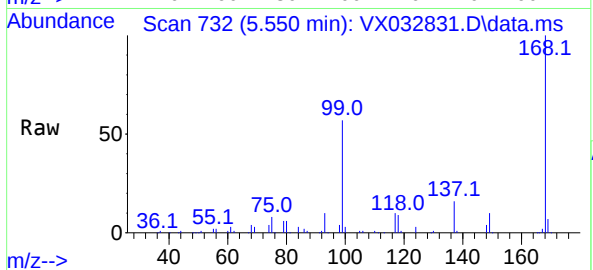
Quant Time: Nov 16 03:35:21 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 27 08:28:06 2022  
Response via : Initial Calibration



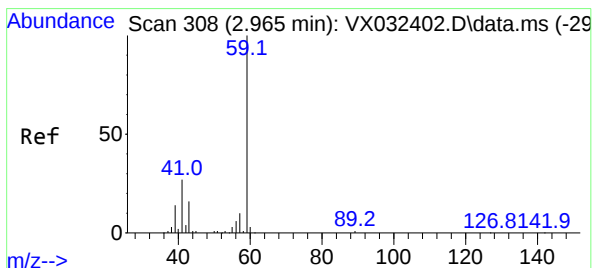
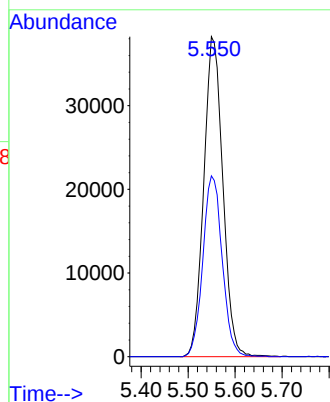


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX032831.D  
Acq: 15 Nov 2022 18:30

Instrument :  
MSVOA\_X  
ClientSampleId :

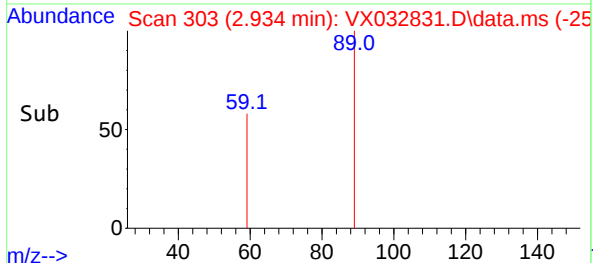
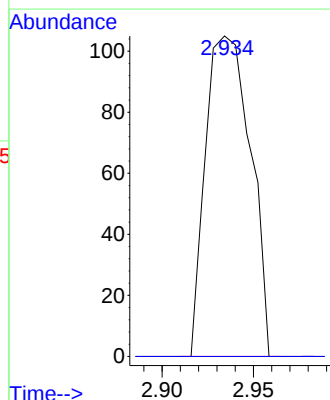
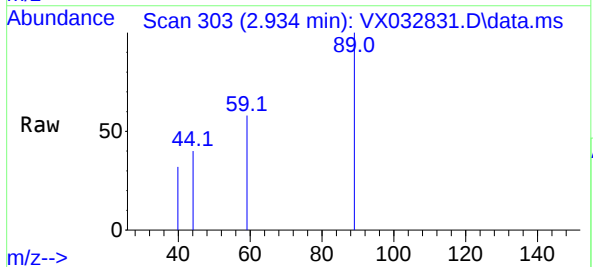


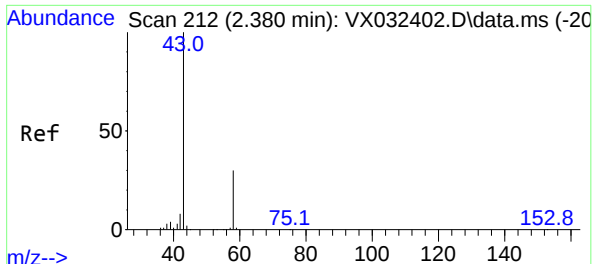
Tgt Ion:168 Resp: 107637  
Ion Ratio Lower Upper  
168 100  
99 56.5 46.1 69.1



#11  
Tert butyl alcohol  
Concen: 0.827 ug/l  
RT: 2.934 min Scan# 303  
Delta R.T. -0.031 min  
Lab File: VX032831.D  
Acq: 15 Nov 2022 18:30

Tgt Ion: 59 Resp: 180  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#

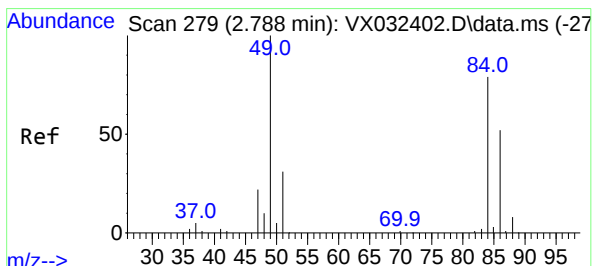
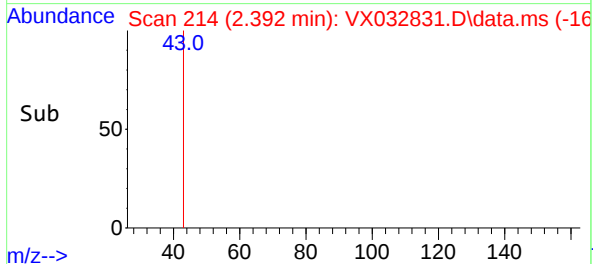
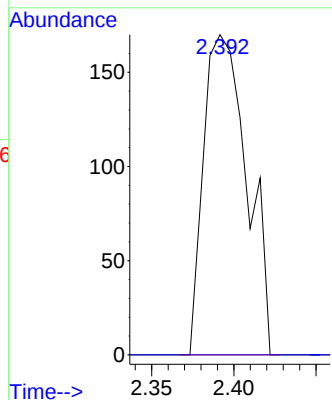
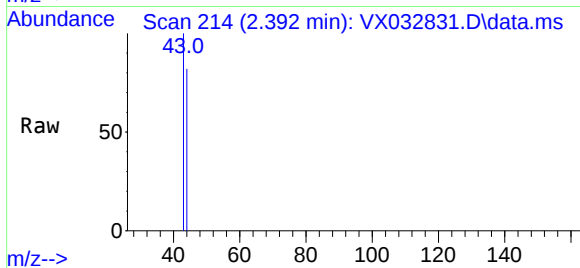




#16  
Acetone  
Concen: 0.576 ug/l  
RT: 2.392 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: VX032831.D  
Acq: 15 Nov 2022 18:30

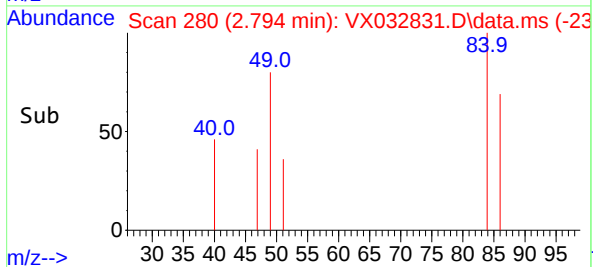
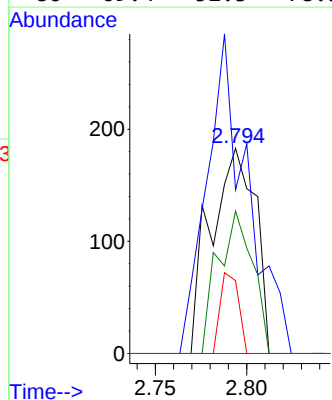
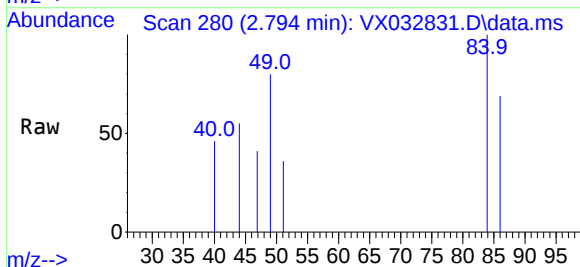
Instrument :  
MSVOA\_X  
ClientSampleId :

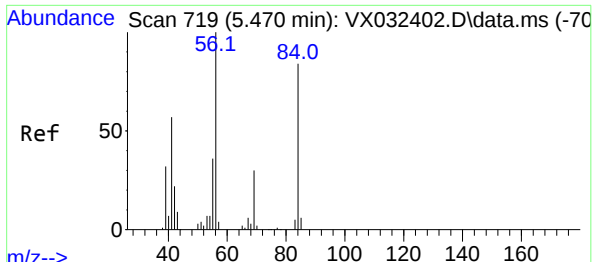
Tgt Ion: 43 Resp: 313  
Ion Ratio Lower Upper  
43 100  
58 0.0 23.8 35.8#



#20  
Methylene Chloride  
Concen: 0.250 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX032831.D  
Acq: 15 Nov 2022 18:30

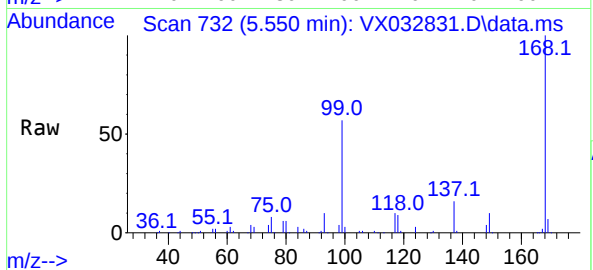
Tgt Ion: 84 Resp: 311  
Ion Ratio Lower Upper  
84 100  
49 79.8 101.0 151.6#  
51 35.5 31.1 46.7  
86 69.4 52.3 78.5



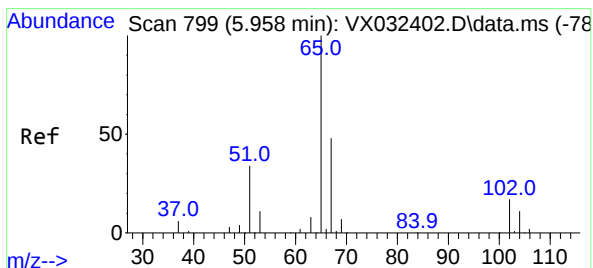
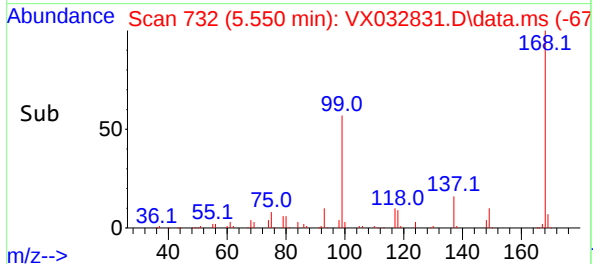
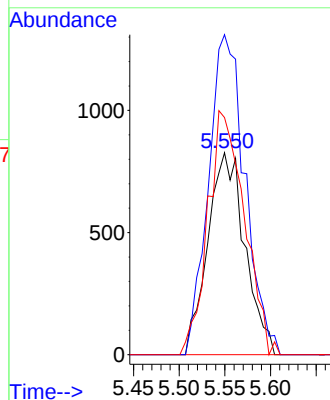


#31  
Cyclohexane  
Concen: 1.288 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. 0.079 min  
Lab File: VX032831.D  
Acq: 15 Nov 2022 18:30

Instrument :  
MSVOA\_X  
ClientSampleId :

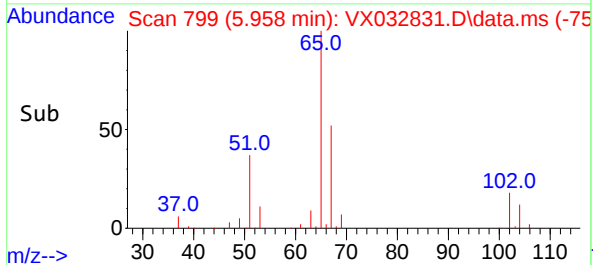
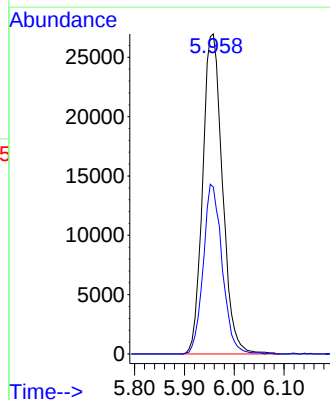
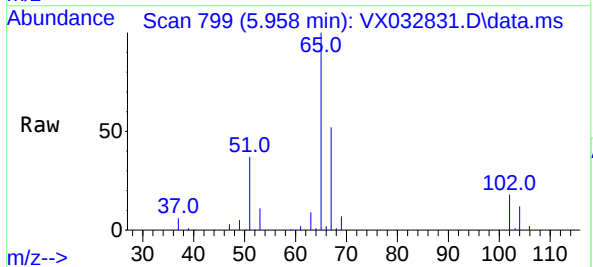


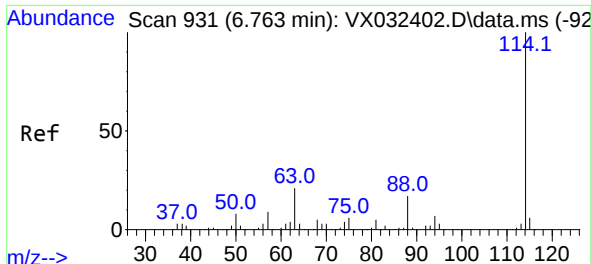
Tgt Ion: 56 Resp: 2335  
Ion Ratio Lower Upper  
56 100  
69 158.4 24.1 36.1#  
84 117.4 66.9 100.3#



#33  
1,2-Dichloroethane-d4  
Concen: 49.626 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VX032831.D  
Acq: 15 Nov 2022 18:30

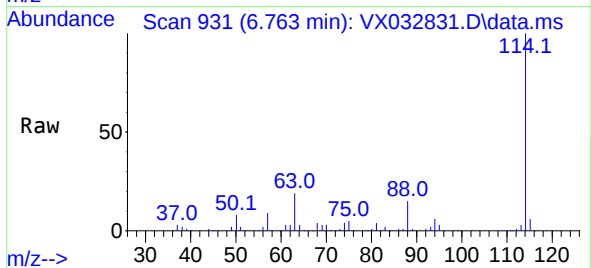
Tgt Ion: 65 Resp: 74220  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 101.8



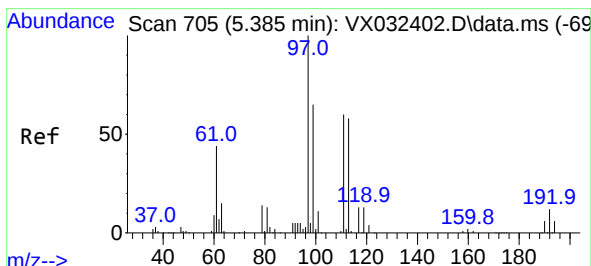
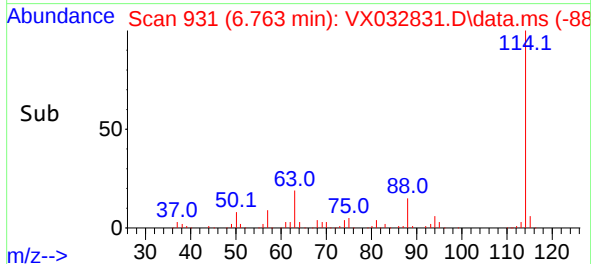
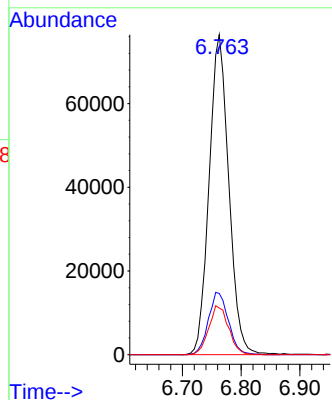


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX032831.D  
Acq: 15 Nov 2022 18:30

Instrument :  
MSVOA\_X  
ClientSampleId :

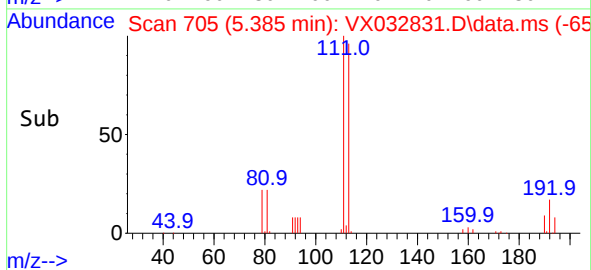
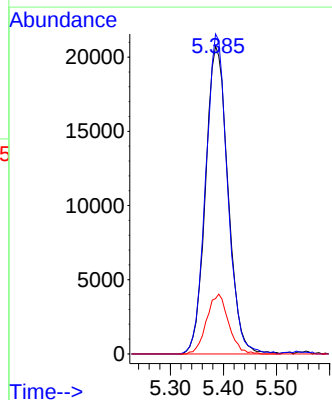
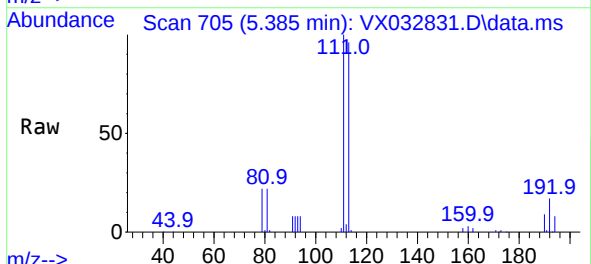


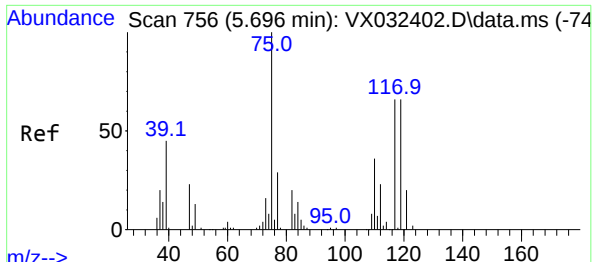
Tgt Ion:114 Resp: 177633  
Ion Ratio Lower Upper  
114 100  
63 19.2 0.0 41.6  
88 14.6 0.0 33.4



#35  
Dibromofluoromethane  
Concen: 48.066 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX032831.D  
Acq: 15 Nov 2022 18:30

Tgt Ion:113 Resp: 60903  
Ion Ratio Lower Upper  
113 100  
111 101.3 82.4 123.6  
192 19.0 15.4 23.2

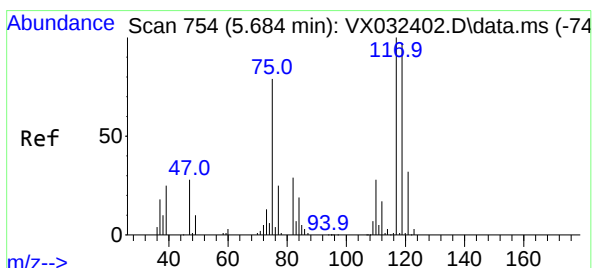
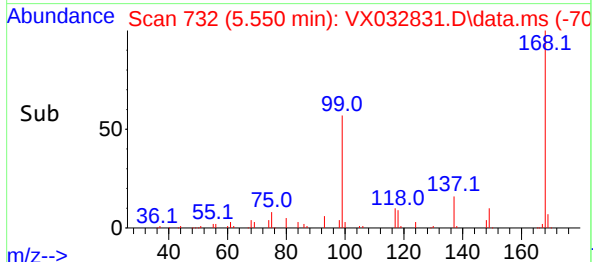
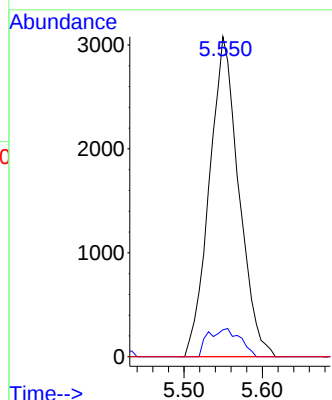
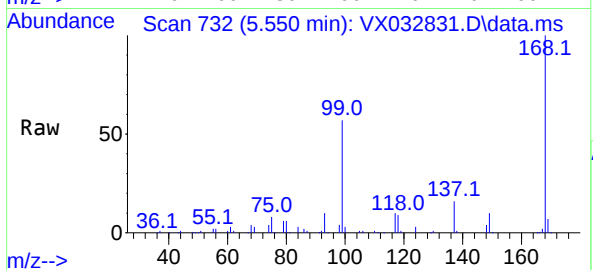




#36  
 1,1-Dichloropropene  
 Concen: 4.556 ug/l  
 RT: 5.550 min Scan# 713  
 Delta R.T. -0.147 min  
 Lab File: VX032831.D  
 Acq: 15 Nov 2022 18:30

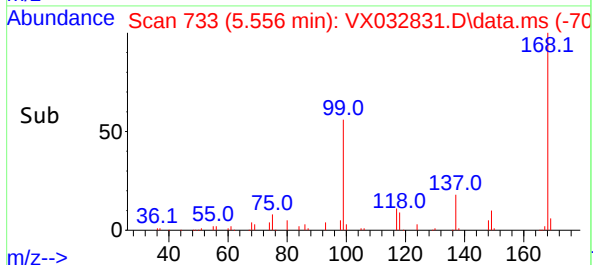
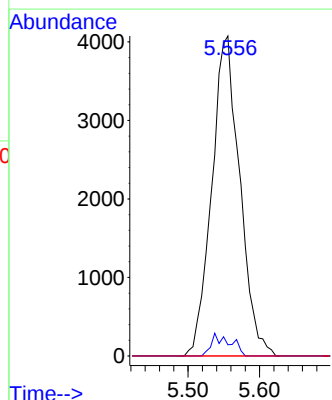
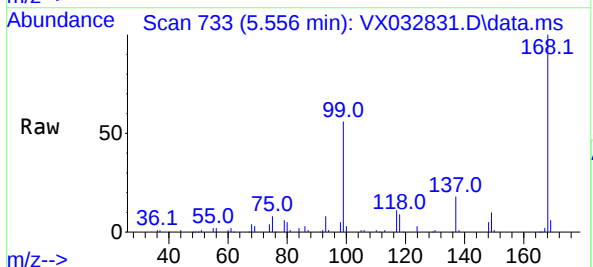
Instrument :  
 MSVOA\_X  
 ClientSampleId :

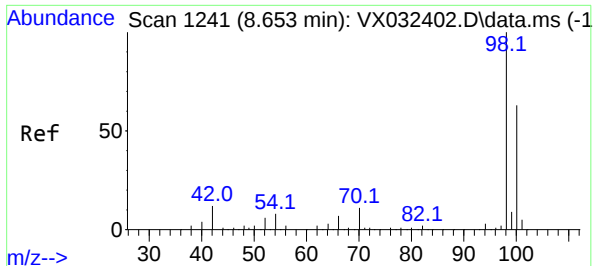
Tgt Ion: 75 Resp: 8039  
 Ion Ratio Lower Upper  
 75 100  
 110 9.5 18.4 55.2#  
 77 0.0 24.5 36.7#



#38  
 Carbon Tetrachloride  
 Concen: 5.671 ug/l  
 RT: 5.556 min Scan# 733  
 Delta R.T. -0.128 min  
 Lab File: VX032831.D  
 Acq: 15 Nov 2022 18:30

Tgt Ion: 117 Resp: 11098  
 Ion Ratio Lower Upper  
 117 100  
 119 3.5 77.2 115.8#  
 121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 49.970 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX032831.D

Acq: 15 Nov 2022 18:30

Instrument :

MSVOA\_X

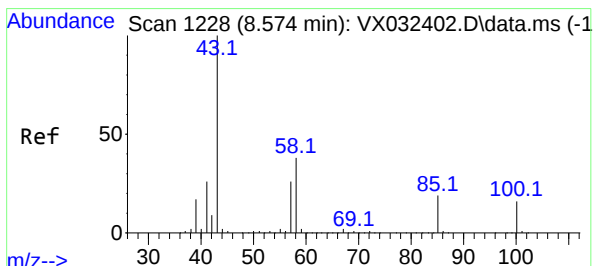
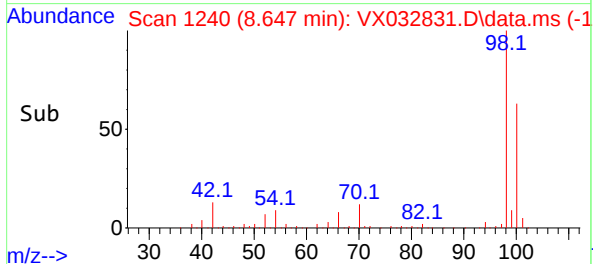
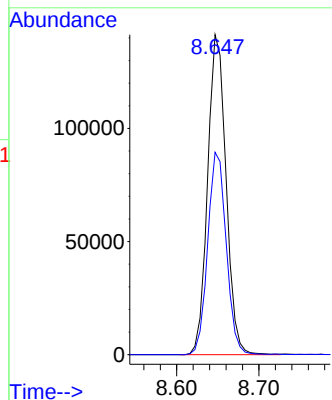
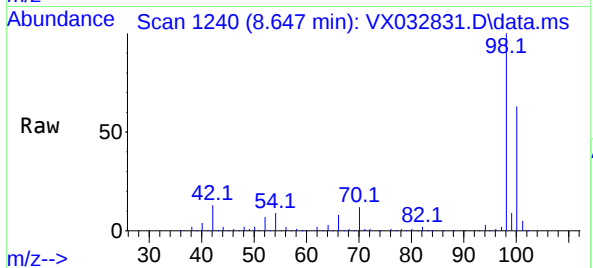
ClientSampleId :

Tgt Ion: 98 Resp: 220163

Ion Ratio Lower Upper

98 100

100 63.6 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.581 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX032831.D

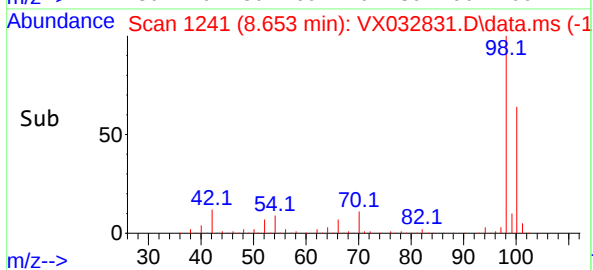
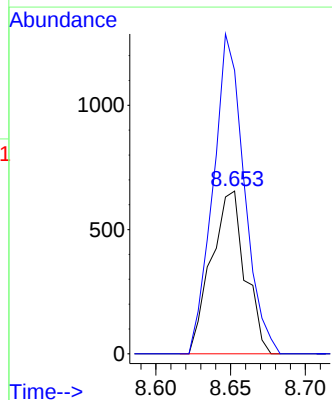
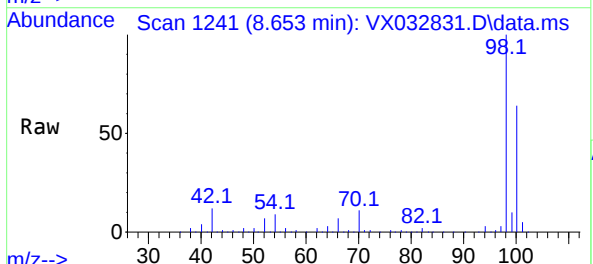
Acq: 15 Nov 2022 18:30

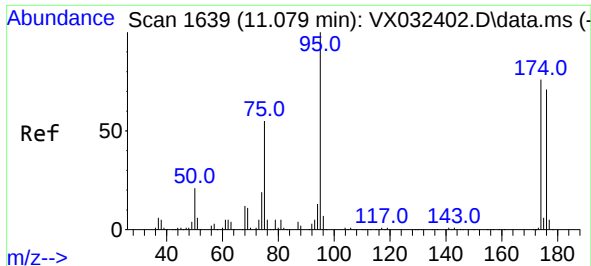
Tgt Ion: 43 Resp: 1032

Ion Ratio Lower Upper

43 100

58 180.6 30.9 46.3#

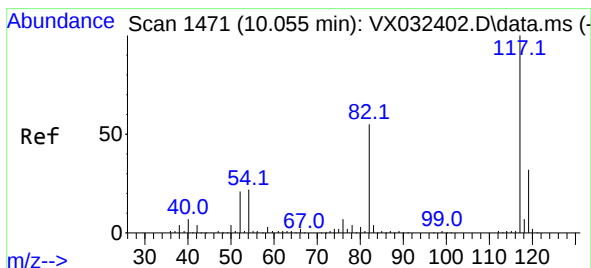
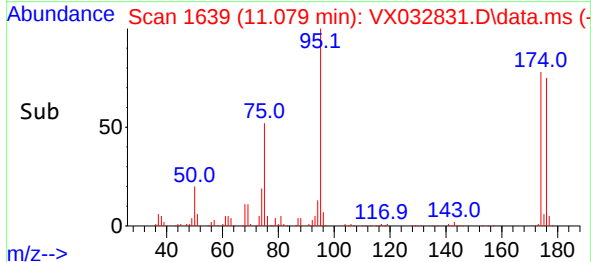
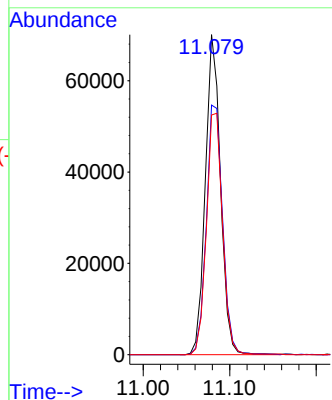
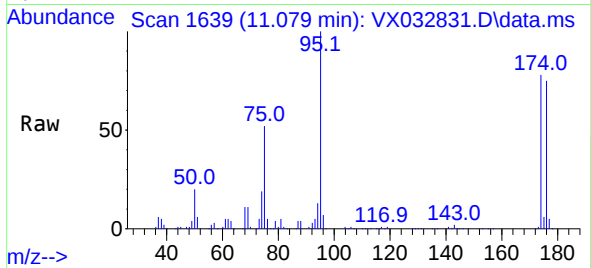




#62  
4-Bromofluorobenzene  
Concen: 49.424 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX032831.D  
Acq: 15 Nov 2022 18:30

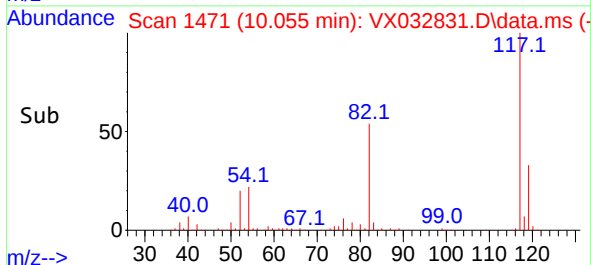
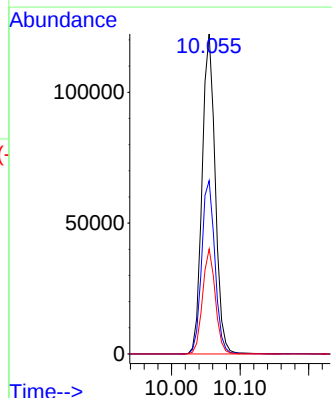
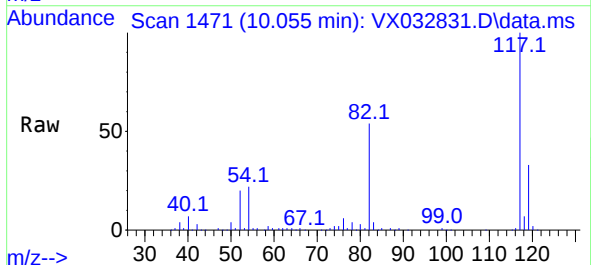
Instrument :  
MSVOA\_X  
ClientSampleId :

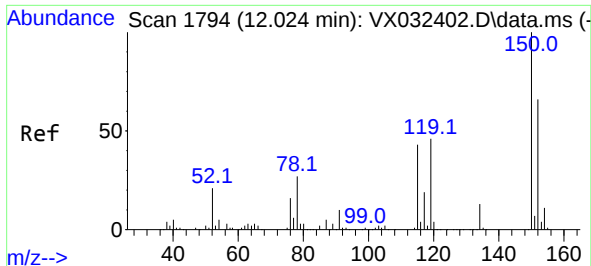
Tgt Ion: 95 Resp: 85061  
Ion Ratio Lower Upper  
95 100  
174 83.9 0.0 164.0  
176 80.7 0.0 154.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX032831.D  
Acq: 15 Nov 2022 18:30

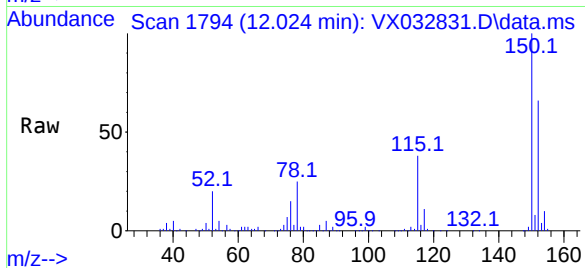
Tgt Ion: 117 Resp: 162939  
Ion Ratio Lower Upper  
117 100  
82 54.2 44.3 66.5  
119 32.8 25.7 38.5



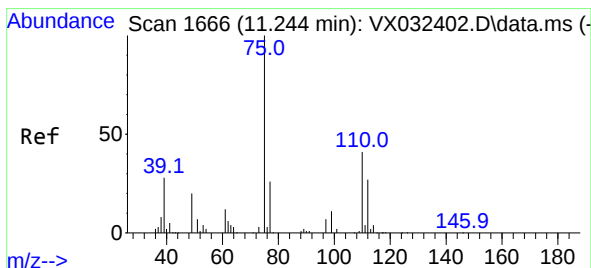
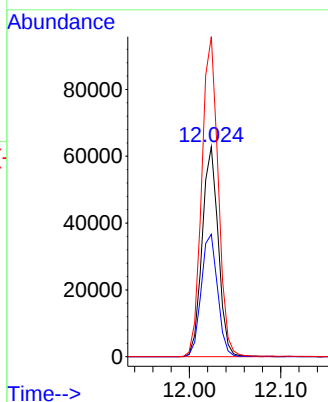
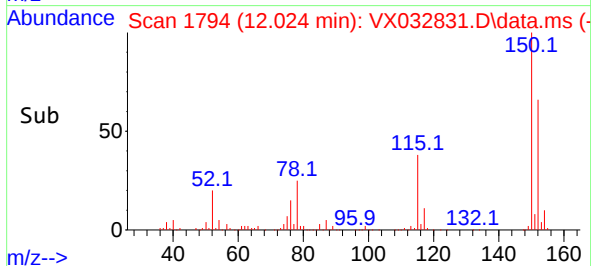


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX032831.D  
Acq: 15 Nov 2022 18:30

Instrument :  
MSVOA\_X  
ClientSampleId :

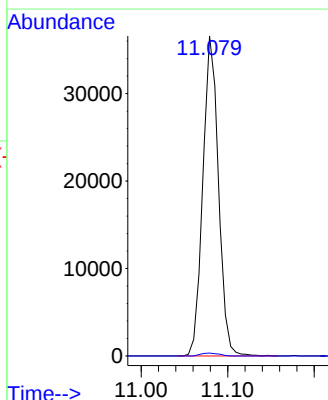
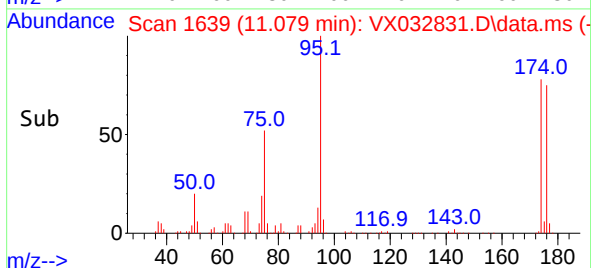
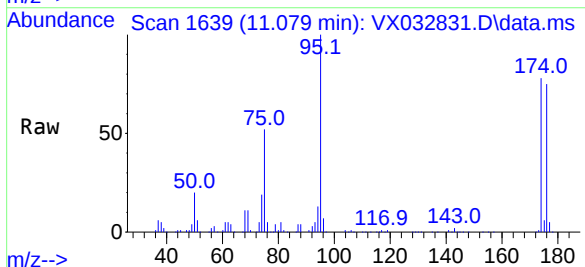


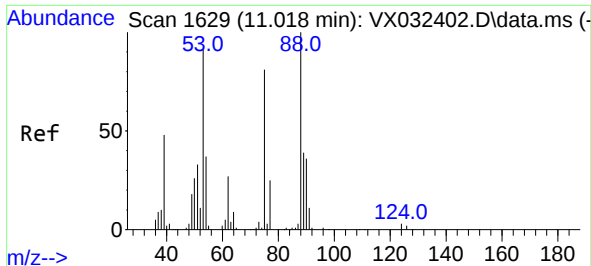
Tgt Ion:152 Resp: 76740  
Ion Ratio Lower Upper  
152 100  
115 59.5 44.0 132.0  
150 155.7 0.0 351.8



#76  
1,2,3-Trichloropropane  
Concen: 26.815 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX032831.D  
Acq: 15 Nov 2022 18:30

Tgt Ion: 75 Resp: 45780  
Ion Ratio Lower Upper  
75 100  
77 1.1 20.0 60.0#

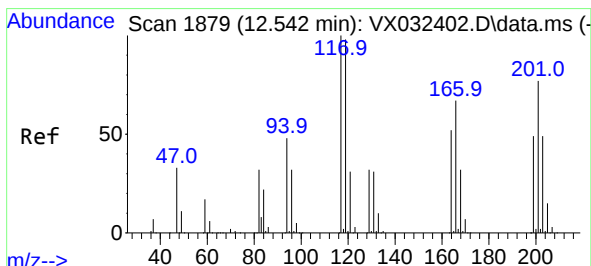
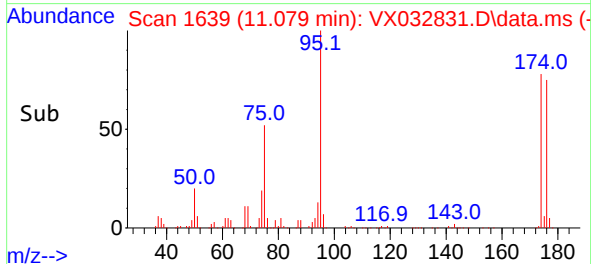
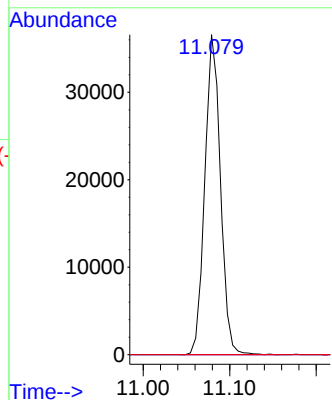
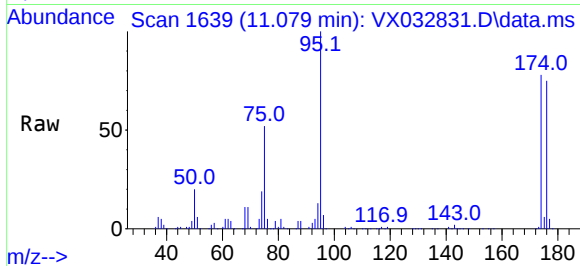




#81  
trans-1,4-Dichloro-2-butene  
Concen: 85.325 ug/l  
RT: 11.079 min Scan# 11  
Delta R.T. 0.061 min  
Lab File: VX032831.D  
Acq: 15 Nov 2022 18:30

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 75 Resp: 45780  
Ion Ratio Lower Upper  
75 100  
53 0.0 86.9 130.3#  
89 0.0 38.3 57.5#



#90  
Hexachloroethane  
Concen: 0.288 ug/l  
RT: 12.701 min Scan# 1905  
Delta R.T. 0.158 min  
Lab File: VX032831.D  
Acq: 15 Nov 2022 18:30

Tgt Ion: 117 Resp: 249  
Ion Ratio Lower Upper  
117 100  
201 0.0 37.6 112.9#

