

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100622\  
 Data File : VX031936.D  
 Acq On : 06 Oct 2022 22:24  
 Operator : JC/MD  
 Sample : N4882-17  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Oct 07 08:09:25 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 06 14:28:46 2022  
 Response via : Initial Calibration

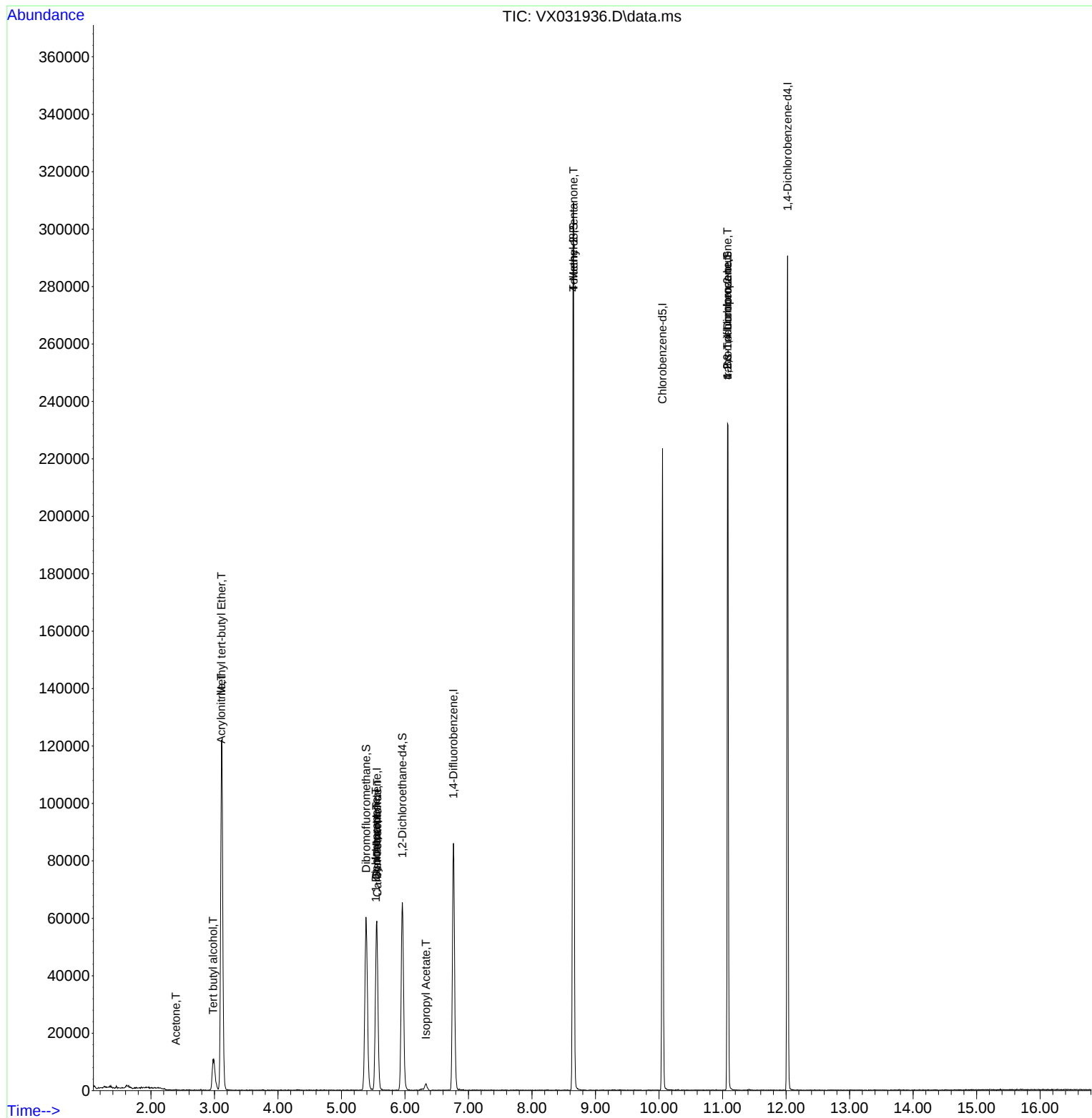
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 54834    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 90207    | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 97139    | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 60170    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 61790    | 54.564    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | = 109.120% |          |
| 35) Dibromofluoromethane      | 5.385  | 113   | 50949    | 49.897    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | = 99.800%  |          |
| 50) Toluene-d8                | 8.653  | 98    | 184848   | 50.309    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | = 100.620% |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 62420    | 48.054    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | = 96.100%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 5) Bromomethane               | 1.617  | 94    | 229      | Below Cal | #          | 60       |
| 11) Tert butyl alcohol        | 2.977  | 59    | 15722    | 111.587   | ug/l       | 96       |
| 15) Acrylonitrile             | 3.105  | 53    | 1726     | 3.843     | ug/l #     | 29       |
| 16) Acetone                   | 2.392  | 43    | 305      | 0.792     | ug/l #     | 45       |
| 19) Methyl tert-butyl Ether   | 3.111  | 73    | 134963   | 48.153    | ug/l       | 97       |
| 31) Cyclohexane               | 5.550  | 56    | 1194     | 0.883     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.544  | 75    | 4322     | 3.192     | ug/l #     | 41       |
| 38) Carbon Tetrachloride      | 5.562  | 117   | 6137     | 4.433     | ug/l #     | 13       |
| 43) Isopropyl Acetate         | 6.330  | 43    | 759      | 0.392     | ug/l #     | 14       |
| 51) 4-Methyl-2-Pentanone      | 8.653  | 43    | 828      | 0.646     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 32543    | 26.389    | ug/l #     | 36       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 32543    | 90.506    | ug/l #     | 11       |
| -----                         |        |       |          |           |            |          |

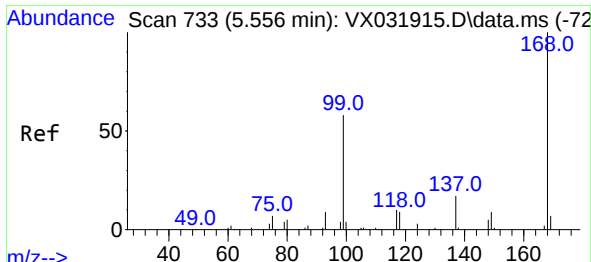
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100622\  
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Sample : N4882-17  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

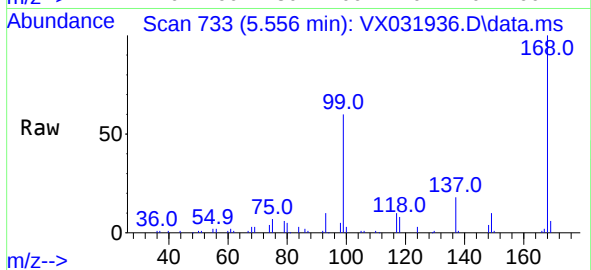
Quant Time: Oct 07 08:09:25 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100622W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 06 14:28:46 2022  
Response via : Initial Calibration



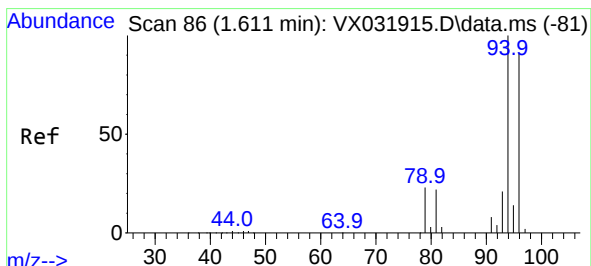
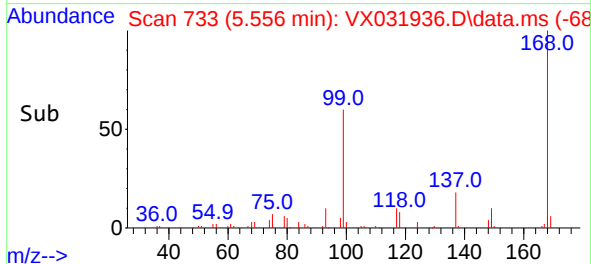
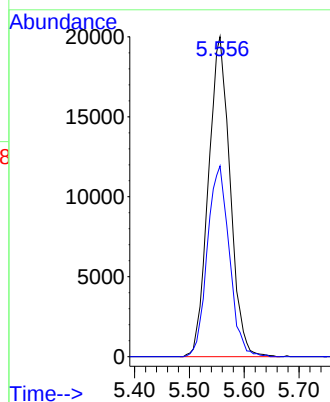


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX031936.D  
Acq: 06 Oct 2022 22:24

Instrument :  
MSVOA\_X  
ClientSampleId :

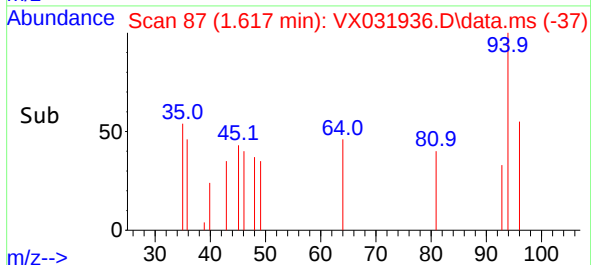
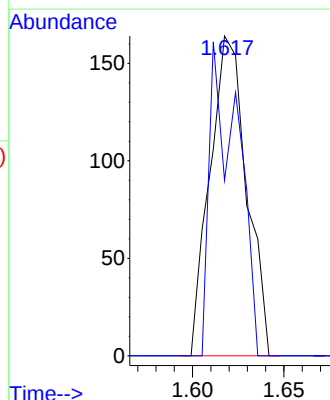
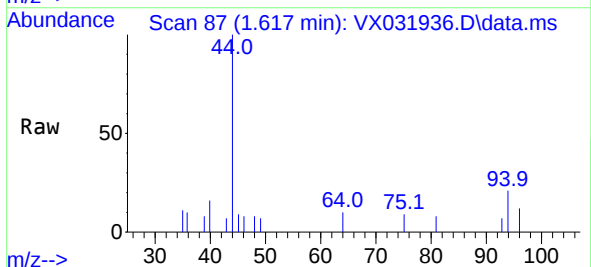


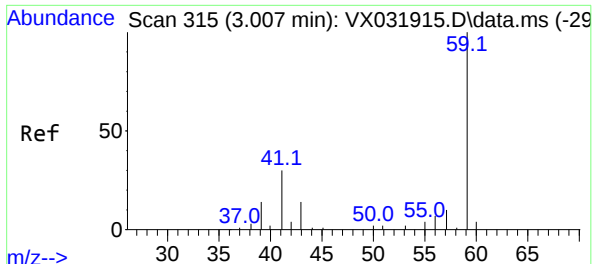
Tgt Ion:168 Resp: 54834  
Ion Ratio Lower Upper  
168 100  
99 59.6 48.8 73.2



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.617 min Scan# 87  
Delta R.T. 0.006 min  
Lab File: VX031936.D  
Acq: 06 Oct 2022 22:24

Tgt Ion: 94 Resp: 229  
Ion Ratio Lower Upper  
94 100  
96 54.9 74.4 111.6#





#11

Tert butyl alcohol

Concen: 111.587 ug/l

RT: 2.977 min Scan# 31

Delta R.T. -0.030 min

Lab File: VX031936.D

Acq: 06 Oct 2022 22:24

Instrument :

MSVOA\_X

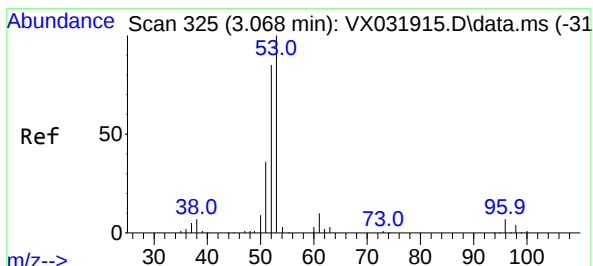
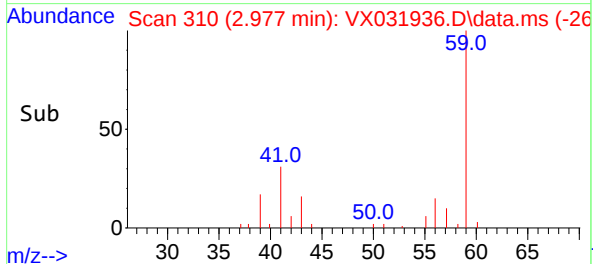
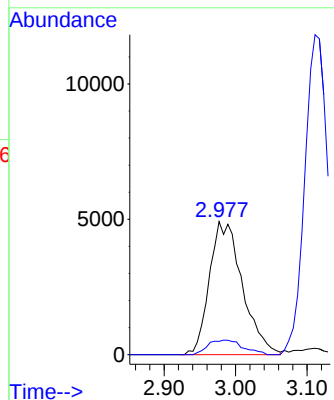
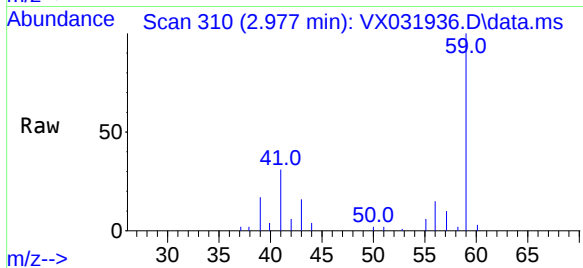
ClientSampleId :

Tgt Ion: 59 Resp: 15722

Ion Ratio Lower Upper

59 100

57 11.6 8.2 12.2



#15

Acrylonitrile

Concen: 3.843 ug/l

RT: 3.105 min Scan# 331

Delta R.T. 0.037 min

Lab File: VX031936.D

Acq: 06 Oct 2022 22:24

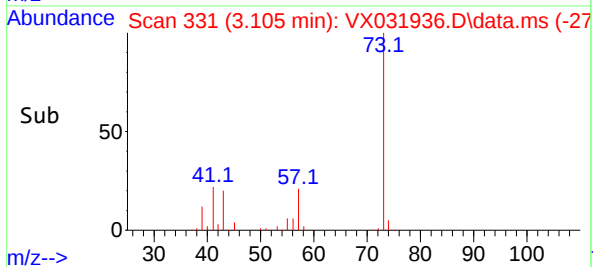
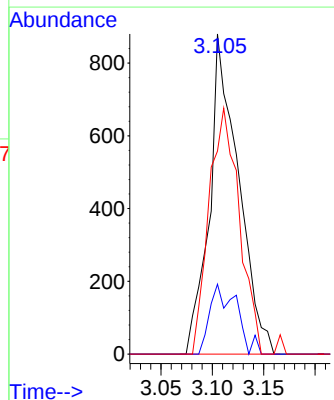
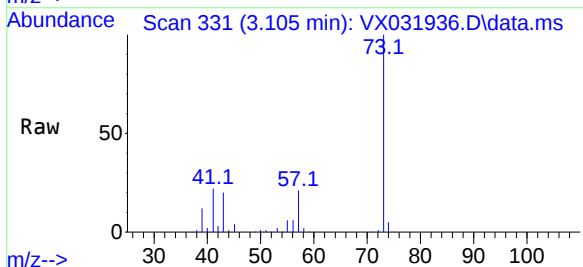
Tgt Ion: 53 Resp: 1726

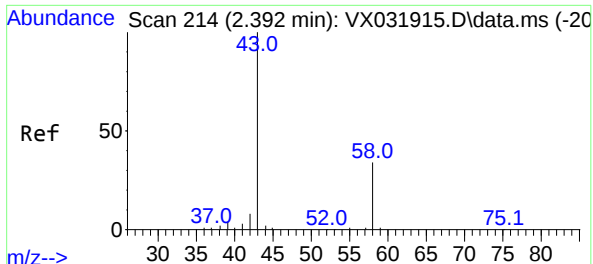
Ion Ratio Lower Upper

53 100

52 20.0 66.9 100.3#

51 80.1 30.0 45.0#

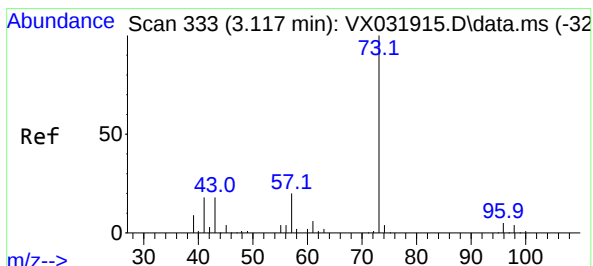
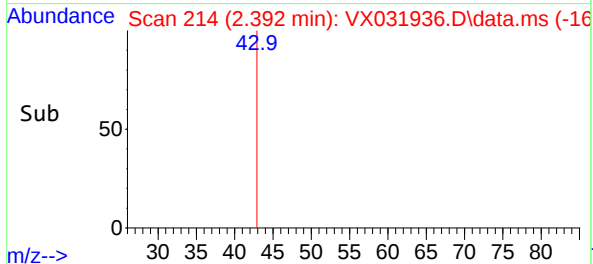
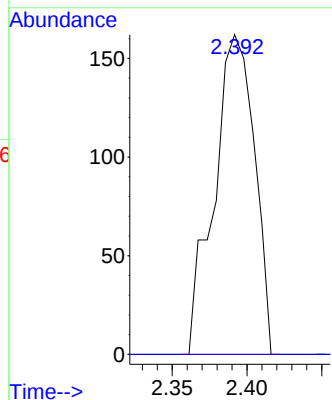
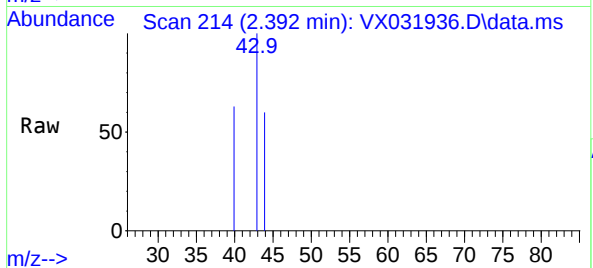




#16  
Acetone  
Concen: 0.792 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX031936.D  
Acq: 06 Oct 2022 22:24

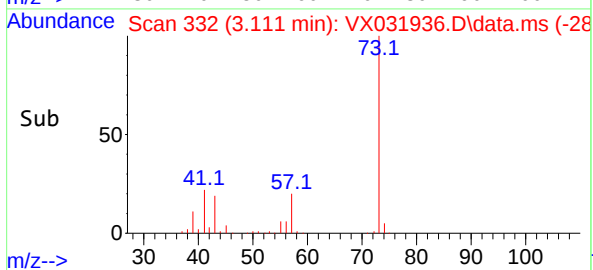
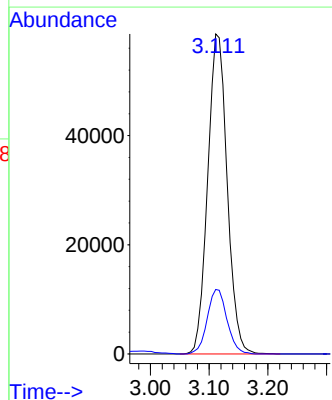
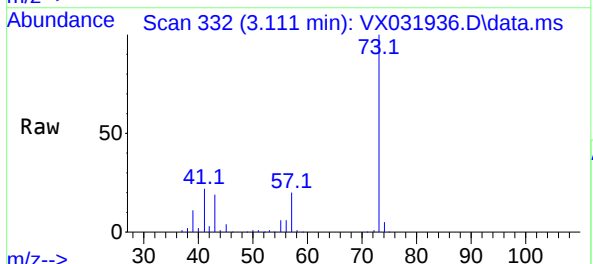
Instrument :  
MSVOA\_X  
ClientSampleId :

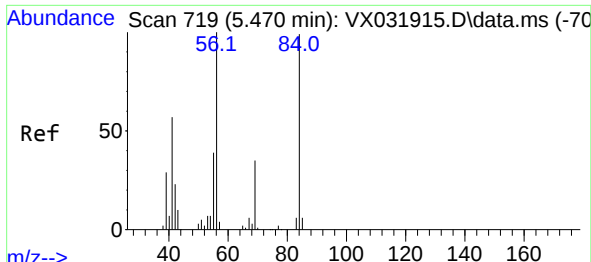
Tgt Ion: 43 Resp: 305  
Ion Ratio Lower Upper  
43 100  
58 0.0 23.8 35.8#



#19  
Methyl tert-butyl Ether  
Concen: 48.153 ug/l  
RT: 3.111 min Scan# 332  
Delta R.T. -0.006 min  
Lab File: VX031936.D  
Acq: 06 Oct 2022 22:24

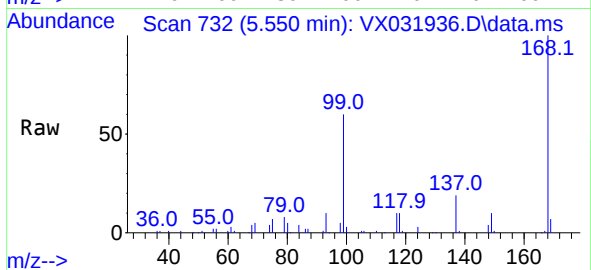
Tgt Ion: 73 Resp: 134963  
Ion Ratio Lower Upper  
73 100  
57 20.2 17.2 25.8



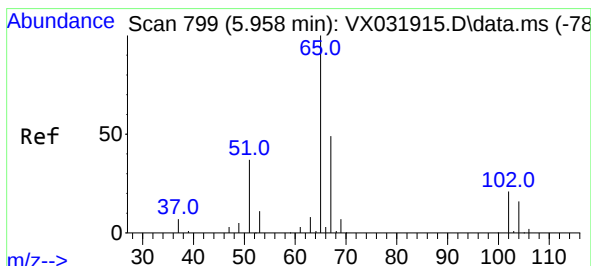
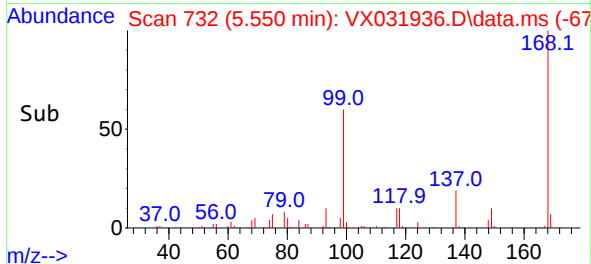
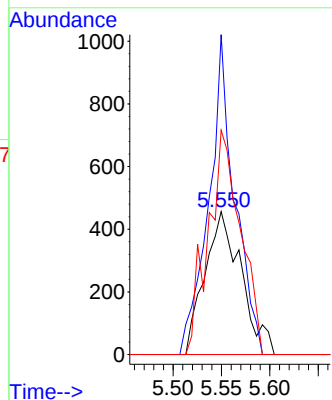


#31  
Cyclohexane  
Concen: 0.883 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. 0.080 min  
Lab File: VX031936.D  
Acq: 06 Oct 2022 22:24

Instrument :  
MSVOA\_X  
ClientSampleId :

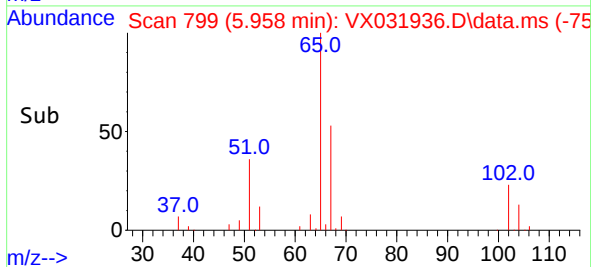
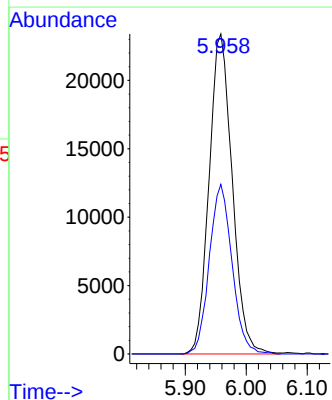
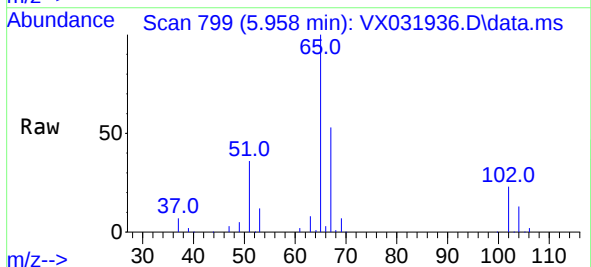


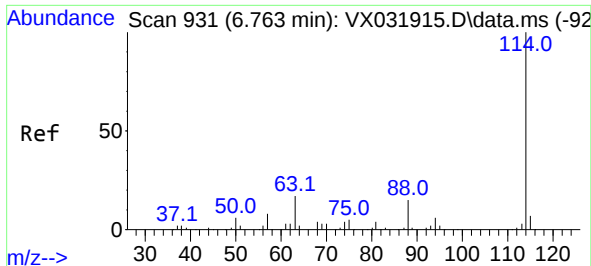
Tgt Ion: 56 Resp: 1194  
Ion Ratio Lower Upper  
56 100  
69 223.9 25.1 37.7#  
84 157.0 70.2 105.4#



#33  
1,2-Dichloroethane-d4  
Concen: 54.564 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX031936.D  
Acq: 06 Oct 2022 22:24

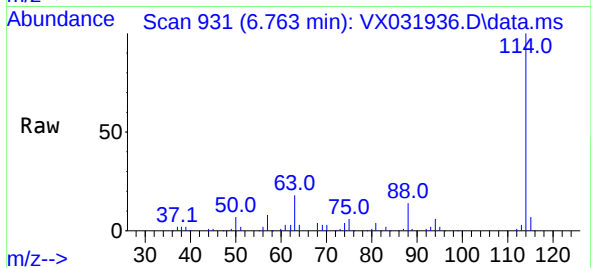
Tgt Ion: 65 Resp: 61790  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 102.4



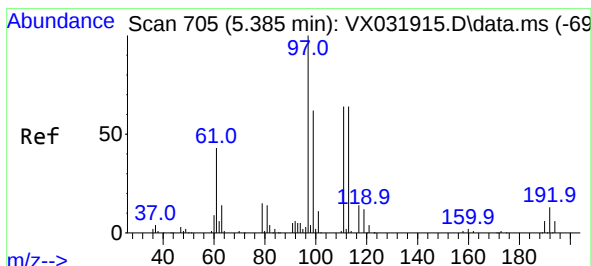
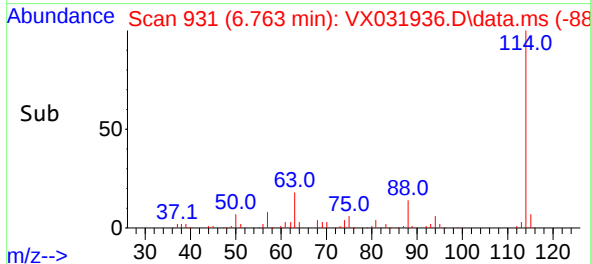
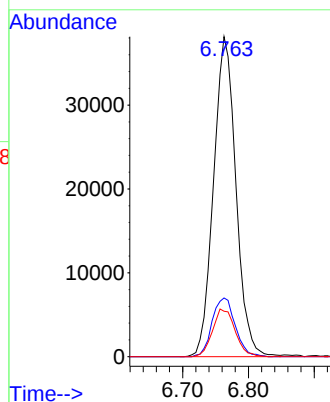


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX031936.D  
Acq: 06 Oct 2022 22:24

Instrument :  
MSVOA\_X  
ClientSampleId :

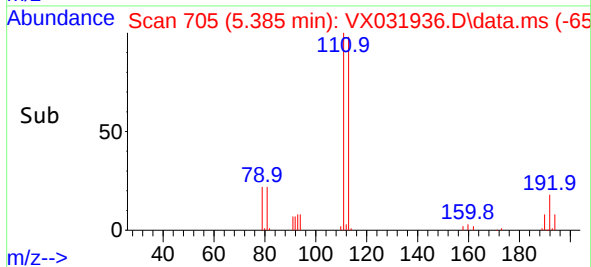
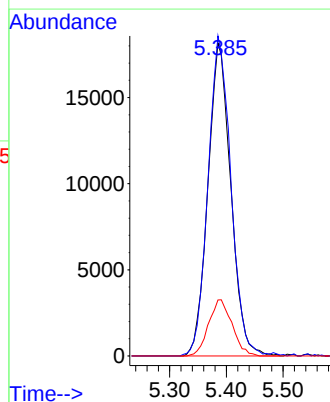
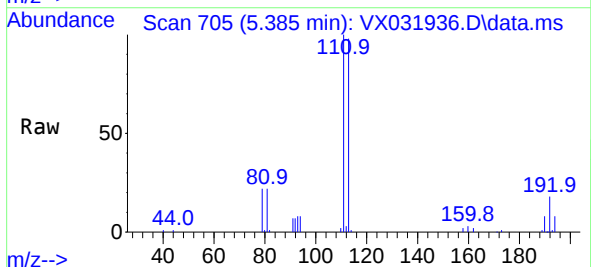


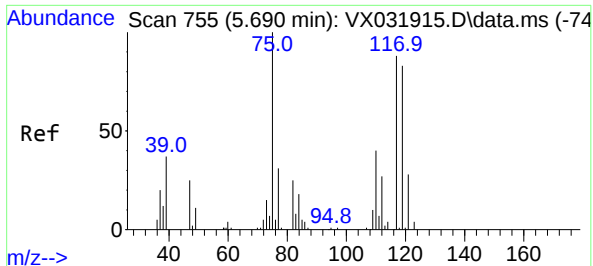
Tgt Ion:114 Resp: 90207  
Ion Ratio Lower Upper  
114 100  
63 18.4 0.0 42.6  
88 14.2 0.0 33.0



#35  
Dibromofluoromethane  
Concen: 49.897 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX031936.D  
Acq: 06 Oct 2022 22:24

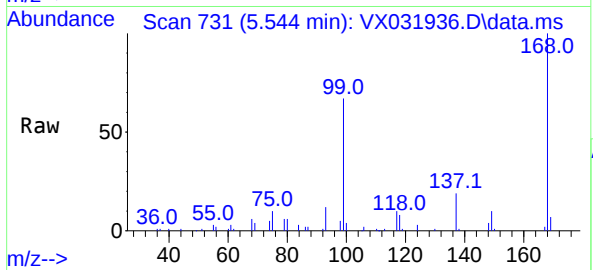
Tgt Ion:113 Resp: 50949  
Ion Ratio Lower Upper  
113 100  
111 102.2 82.4 123.6  
192 18.5 14.1 21.1



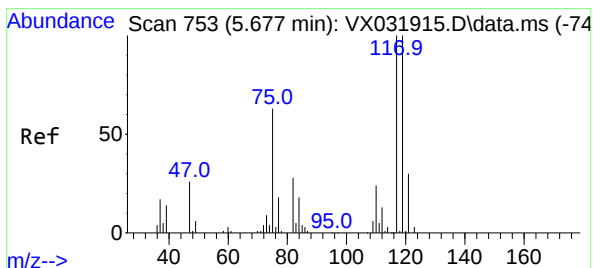
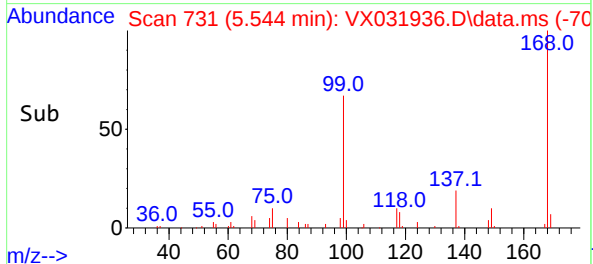
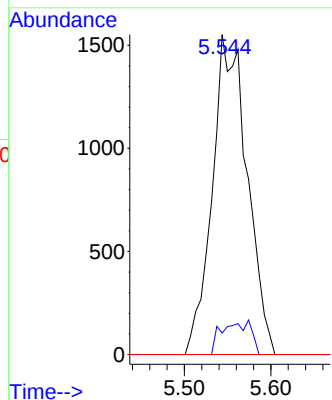


#36  
1,1-Dichloropropene  
Concen: 3.192 ug/l  
RT: 5.544 min Scan# 714  
Delta R.T. -0.146 min  
Lab File: VX031936.D  
Acq: 06 Oct 2022 22:24

Instrument :  
MSVOA\_X  
ClientSampleId :

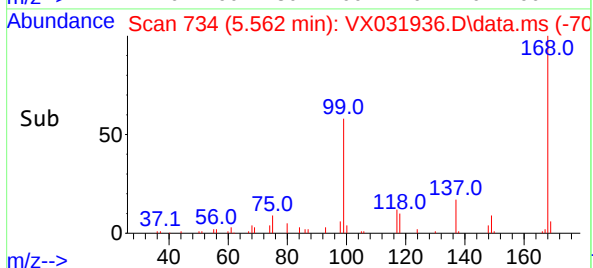
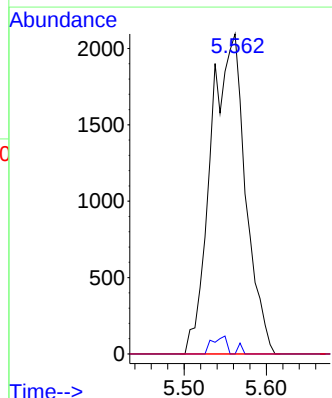
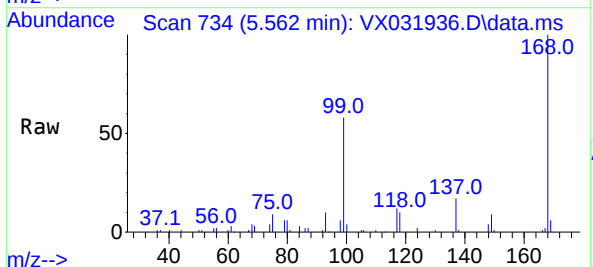


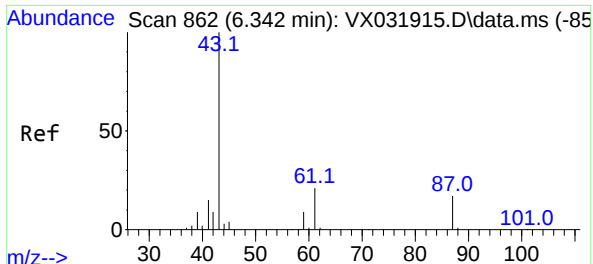
Tgt Ion: 75 Resp: 4322  
Ion Ratio Lower Upper  
75 100  
110 0.0 17.5 52.5#  
77 0.0 24.9 37.3#



#38  
Carbon Tetrachloride  
Concen: 4.433 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.115 min  
Lab File: VX031936.D  
Acq: 06 Oct 2022 22:24

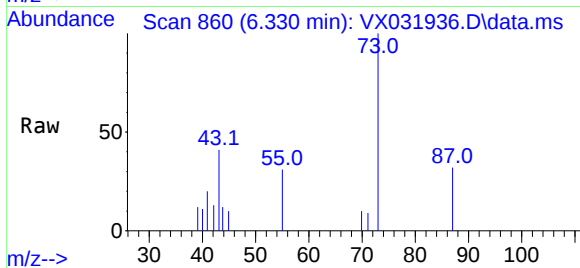
Tgt Ion: 117 Resp: 6137  
Ion Ratio Lower Upper  
117 100  
119 0.0 74.6 112.0#  
121 0.0 25.3 37.9#



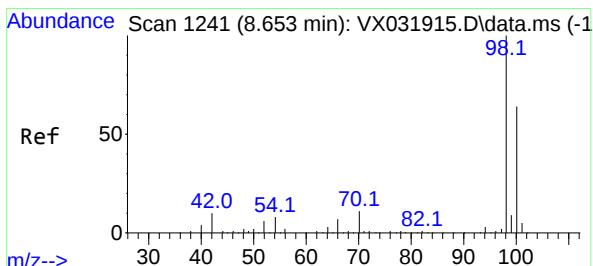
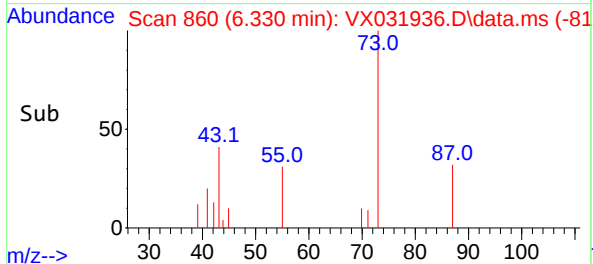
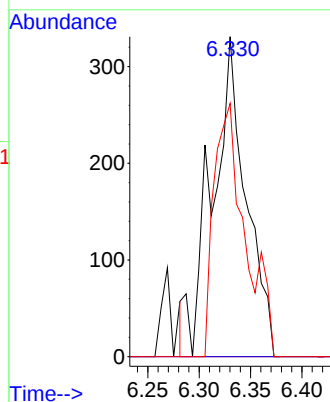


#43  
Isopropyl Acetate  
Concen: 0.392 ug/l  
RT: 6.330 min Scan# 860  
Delta R.T. -0.012 min  
Lab File: VX031936.D  
Acq: 06 Oct 2022 22:24

Instrument :  
MSVOA\_X  
ClientSampleId :

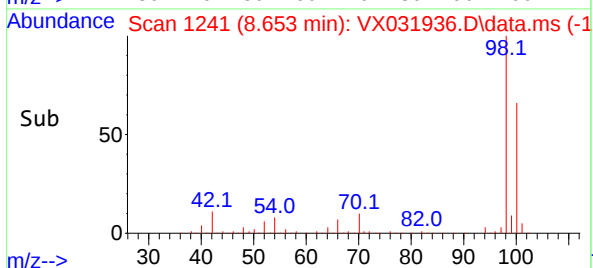
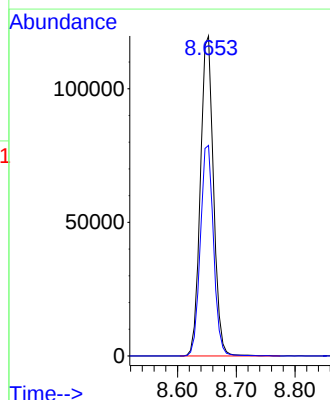
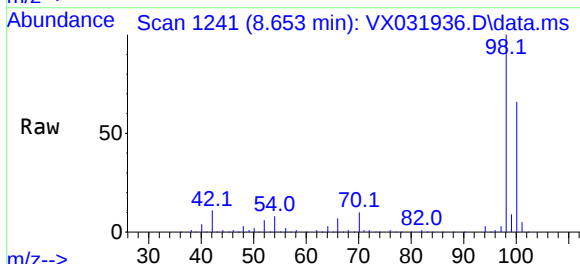


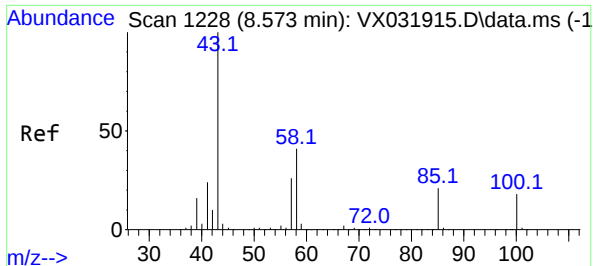
Tgt Ion: 43 Resp: 759  
Ion Ratio Lower Upper  
43 100  
61 0.0 15.3 22.9#  
87 72.7 10.6 15.8#



#50  
Toluene-d8  
Concen: 50.309 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX031936.D  
Acq: 06 Oct 2022 22:24

Tgt Ion: 98 Resp: 184848  
Ion Ratio Lower Upper  
98 100  
100 66.3 52.5 78.7

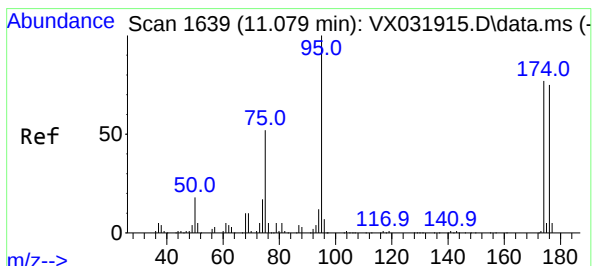
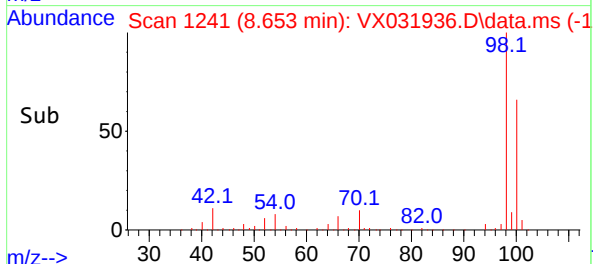
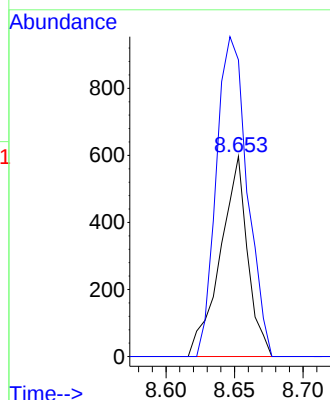
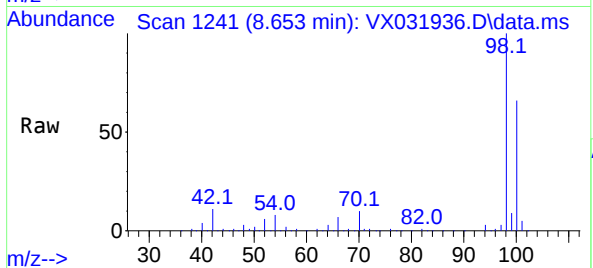




#51  
4-Methyl-2-Pentanone  
Concen: 0.646 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.080 min  
Lab File: VX031936.D  
Acq: 06 Oct 2022 22:24

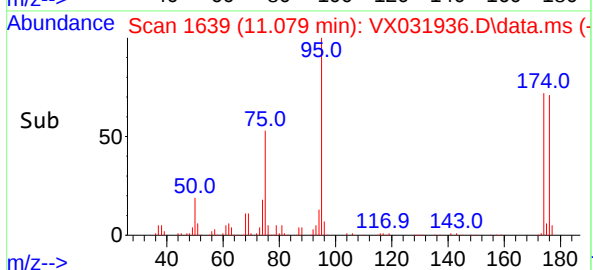
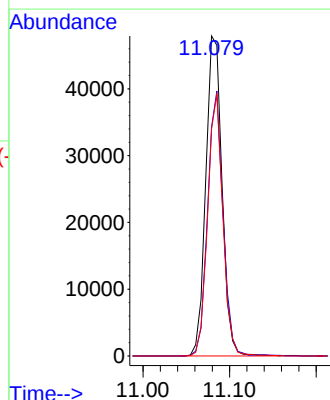
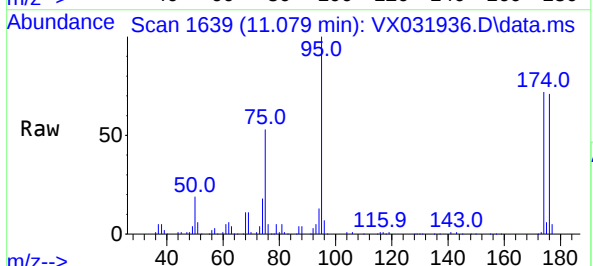
Instrument :  
MSVOA\_X  
ClientSampleId :

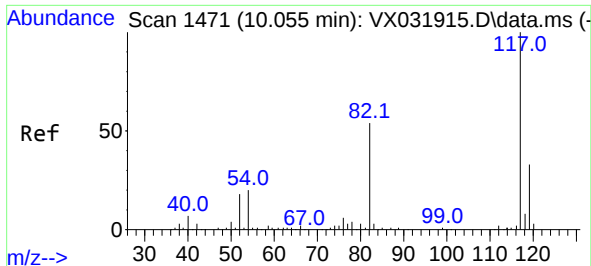
Tgt Ion: 43 Resp: 828  
Ion Ratio Lower Upper  
43 100  
58 181.3 30.6 46.0#



#62  
4-Bromofluorobenzene  
Concen: 48.054 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX031936.D  
Acq: 06 Oct 2022 22:24

Tgt Ion: 95 Resp: 62420  
Ion Ratio Lower Upper  
95 100  
174 78.3 0.0 153.2  
176 76.5 0.0 144.0

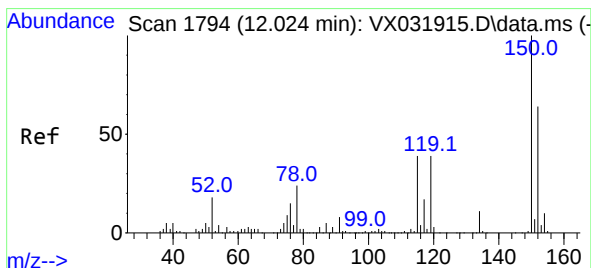
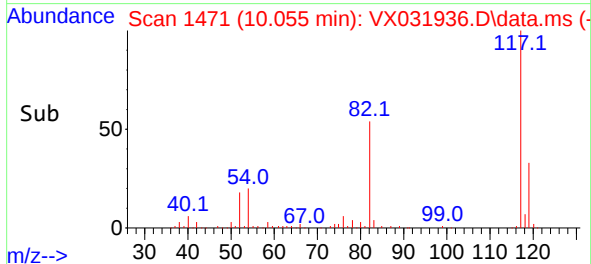
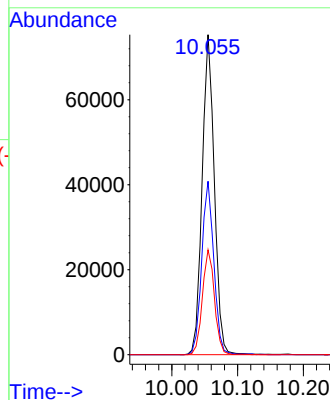
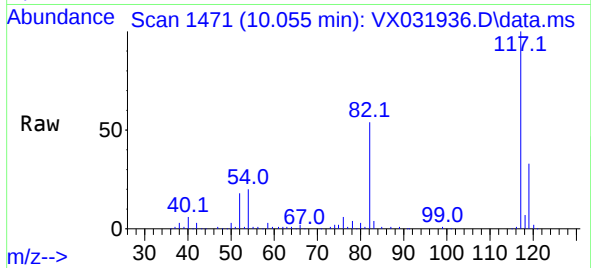




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX031936.D  
Acq: 06 Oct 2022 22:24

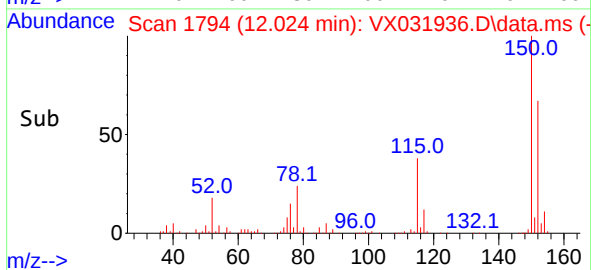
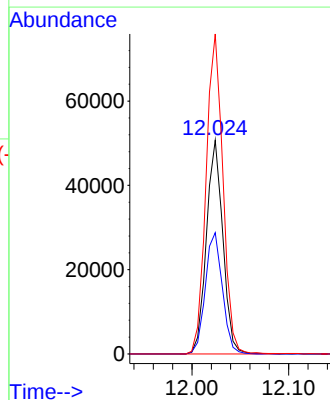
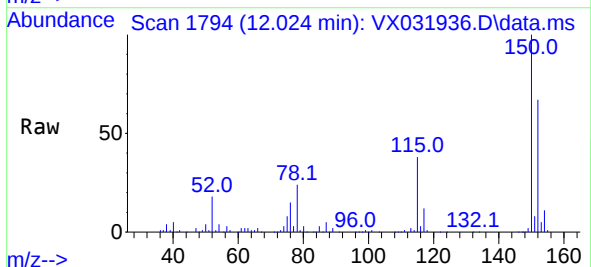
Instrument :  
MSVOA\_X  
ClientSampleId :

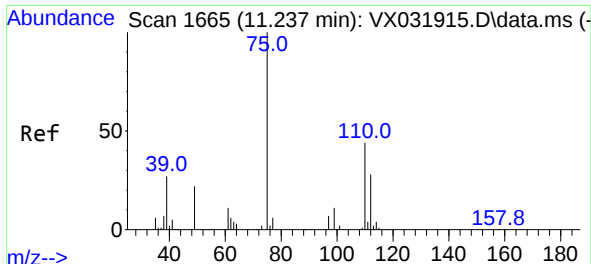
Tgt Ion:117 Resp: 97139  
Ion Ratio Lower Upper  
117 100  
82 54.2 46.8 70.2  
119 32.7 26.4 39.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX031936.D  
Acq: 06 Oct 2022 22:24

Tgt Ion:152 Resp: 60170  
Ion Ratio Lower Upper  
152 100  
115 58.8 43.4 130.1  
150 153.0 0.0 346.8

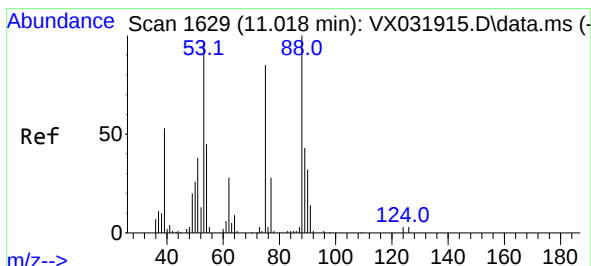
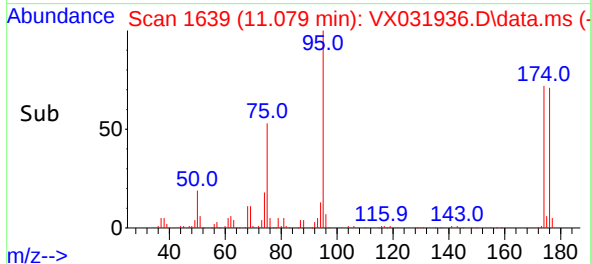
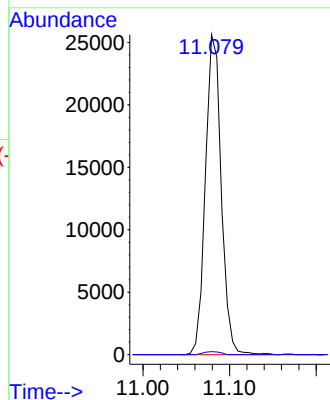
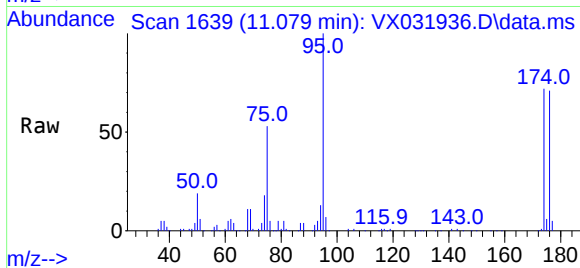




#76  
1,2,3-Trichloropropane  
Concen: 26.389 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX031936.D  
Acq: 06 Oct 2022 22:24

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 75 Resp: 32543  
Ion Ratio Lower Upper  
75 100  
77 1.0 20.3 60.9#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 90.506 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX031936.D  
Acq: 06 Oct 2022 22:24

Tgt Ion: 75 Resp: 32543  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.6 116.4#  
89 0.0 37.4 56.0#

