

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042022\  
 Data File : VX028215.D  
 Acq On : 20 Apr 2022 23:09  
 Operator : JC/MD  
 Sample : VX0420WBL02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0420WBL02

Quant Time: Apr 21 06:19:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041922W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 19 13:38:04 2022  
 Response via : Initial Calibration

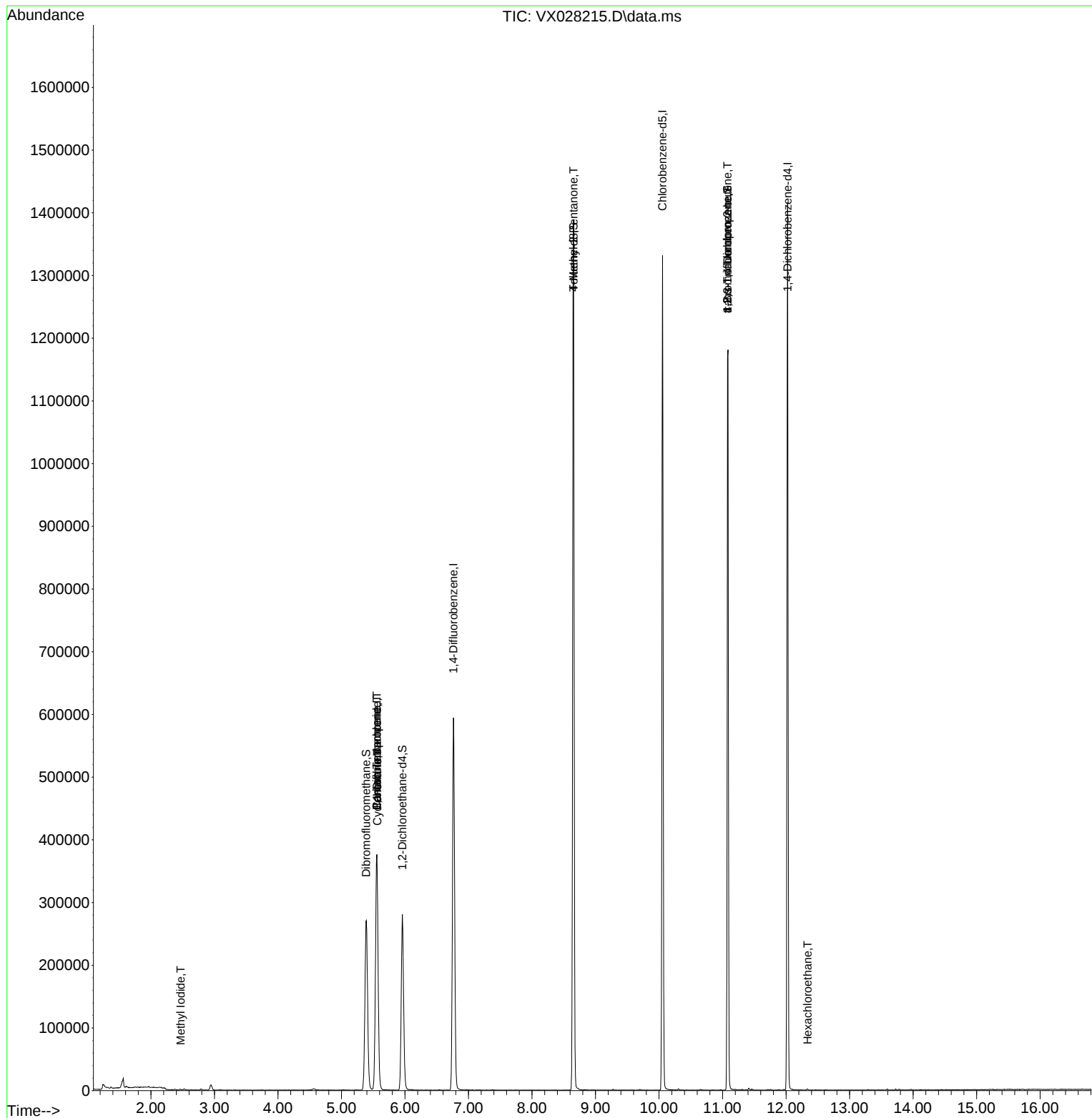
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 5.556     | 168   | 369114   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763     | 114   | 635227   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 612644   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 291772   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.958     | 65    | 258683   | 53.749    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 61 - 141 | Recovery  | = 107.500% |          |
| 35) Dibromofluoromethane      | 5.385     | 113   | 234847   | 52.718    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 69 - 133 | Recovery  | = 105.440% |          |
| 50) Toluene-d8                | 8.653     | 98    | 856429   | 50.054    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 65 - 126 | Recovery  | = 100.100% |          |
| 62) 4-Bromofluorobenzene      | 11.079    | 95    | 317167   | 48.481    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 135 | Recovery  | = 96.960%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 1.294     | 50    | 454      | Below Cal | #          | 62       |
| 5) Bromomethane               | 1.611     | 94    | 1010     | Below Cal | #          | 71       |
| 6) Chloroethane               | 1.697     | 64    | 68       | Below Cal |            | 91       |
| 8) Diethyl Ether              | 2.002     | 74    | 23       | Below Cal | #          | 7        |
| 10) Methyl Iodide             | 2.465     | 142   | 1280     | 5.515     | ug/l #     | 92       |
| 11) Tert butyl alcohol        | 2.947     | 59    | 4720     | Below Cal | #          | 73       |
| 16) Acetone                   | 2.374     | 43    | 1601     | Below Cal | #          | 84       |
| 31) Cyclohexane               | 5.562     | 56    | 7068     | 1.205     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.556     | 75    | 27160    | 4.674     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 5.556     | 117   | 37525    | 5.720     | ug/l #     | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.653     | 43    | 3255     | 0.529     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75    | 160280   | 27.912    | ug/l #     | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75    | 160280   | 82.948    | ug/l #     | 15       |
| 90) Hexachloroethane          | 12.341    | 117   | 25       | 1.821     | ug/l #     | 10       |
| -----                         |           |       |          |           |            |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042022\  
Data File : VX028215.D  
Acq On : 20 Apr 2022 23:09  
Operator : JC/MD  
Sample : VX0420WBL02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0420WBL02

Quant Time: Apr 21 06:19:07 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041922W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 19 13:38:04 2022  
Response via : Initial Calibration

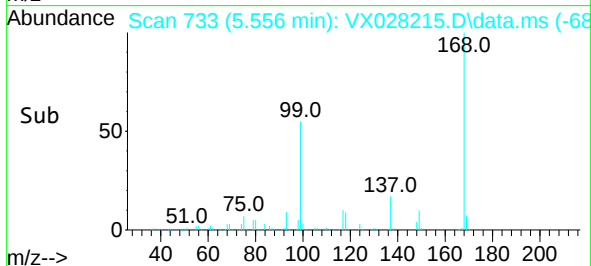
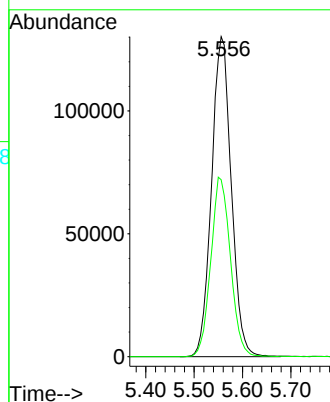
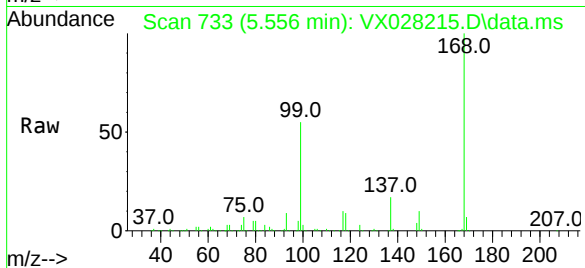




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX028215.D  
Acq: 20 Apr 2022 23:09

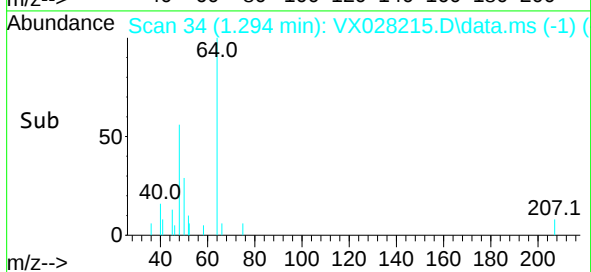
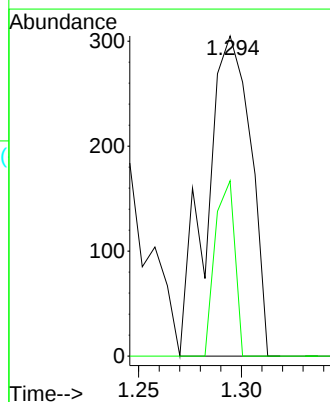
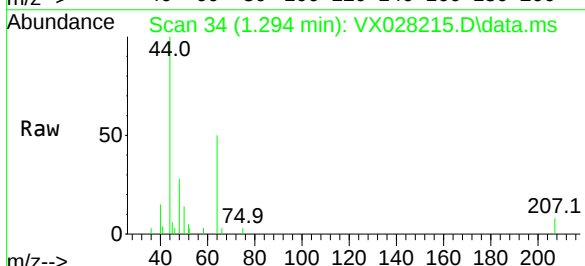
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0420WBL02

Tgt Ion:168 Resp: 369114  
Ion Ratio Lower Upper  
168 100  
99 55.3 41.7 62.5



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.294 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VX028215.D  
Acq: 20 Apr 2022 23:09

Tgt Ion: 50 Resp: 454  
Ion Ratio Lower Upper  
50 100  
52 54.8 26.4 39.6#

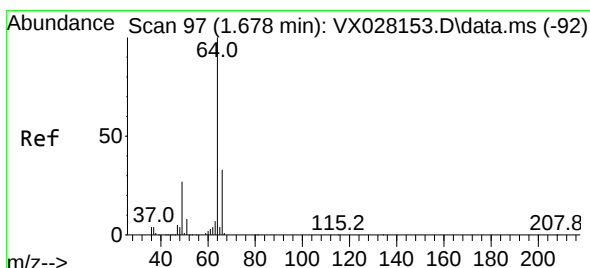
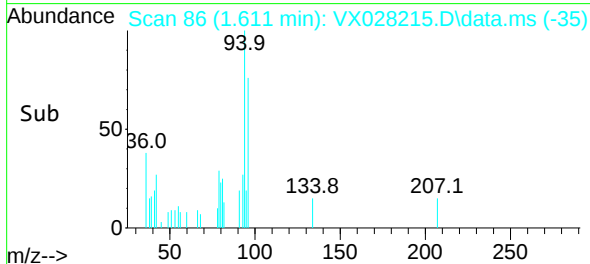
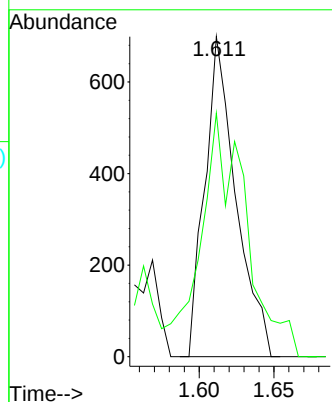
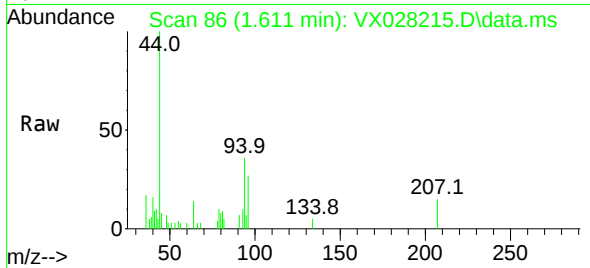




#5  
Bromomethane  
Concen: Below Cal  
RT: 1.611 min Scan# 80  
Delta R.T. 0.012 min  
Lab File: VX028215.D  
Acq: 20 Apr 2022 23:09

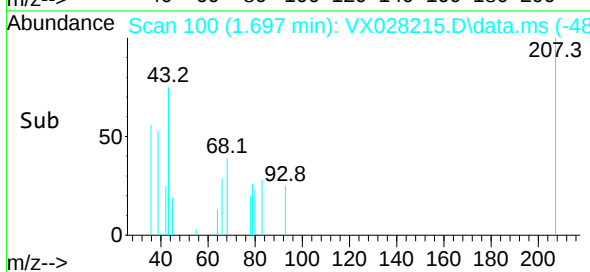
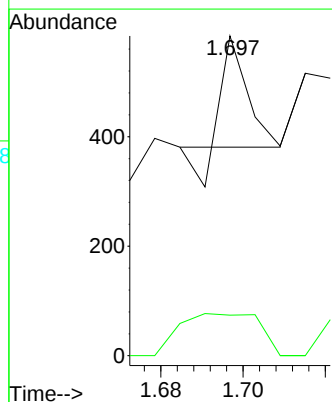
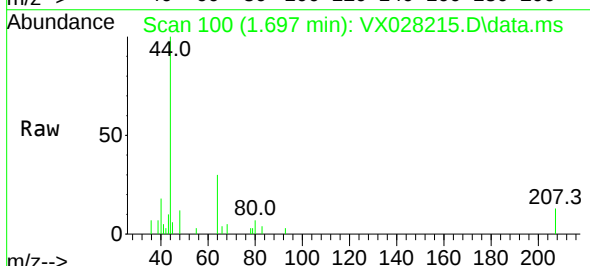
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0420WBL02

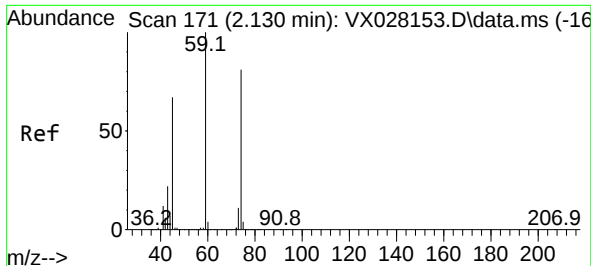
Tgt Ion: 94 Resp: 1010  
Ion Ratio Lower Upper  
94 100  
96 65.7 75.3 112.9#



#6  
Chloroethane  
Concen: Below Cal  
RT: 1.697 min Scan# 100  
Delta R.T. 0.019 min  
Lab File: VX028215.D  
Acq: 20 Apr 2022 23:09

Tgt Ion: 64 Resp: 68  
Ion Ratio Lower Upper  
64 100  
66 36.5 25.3 37.9

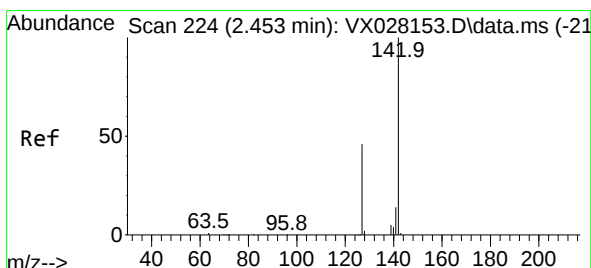
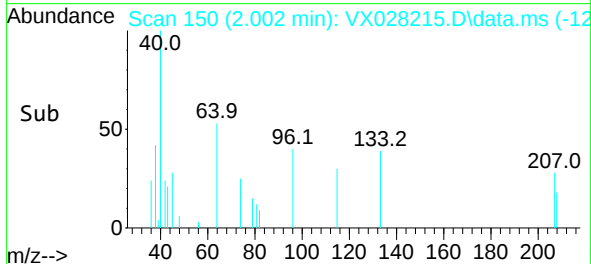
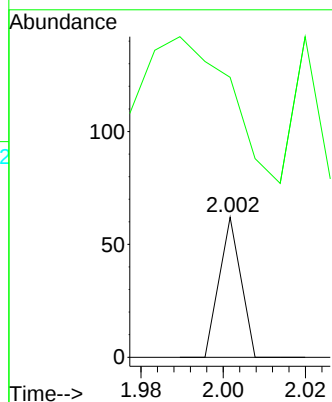
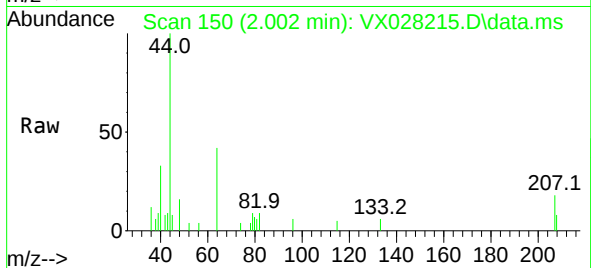




#8  
Diethyl Ether  
Concen: Below Cal  
RT: 2.002 min Scan# 11  
Delta R.T. -0.128 min  
Lab File: VX028215.D  
Acq: 20 Apr 2022 23:09

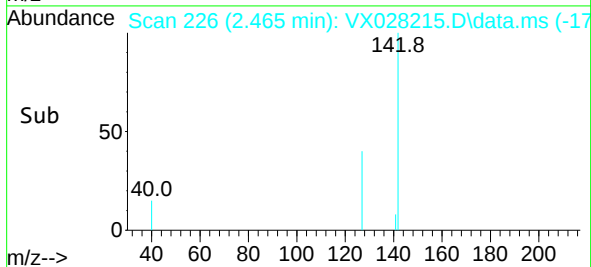
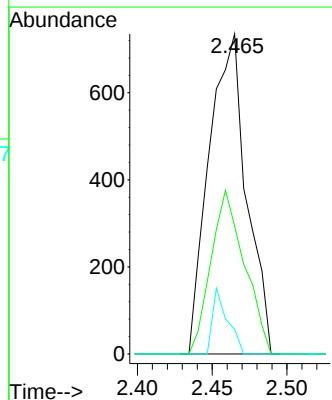
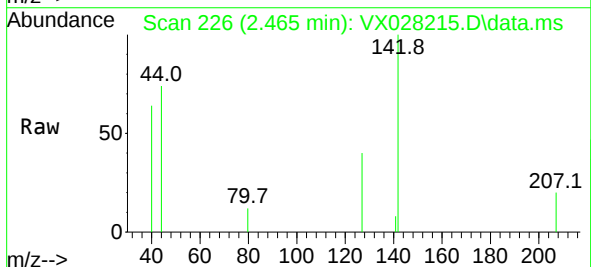
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0420WBL02

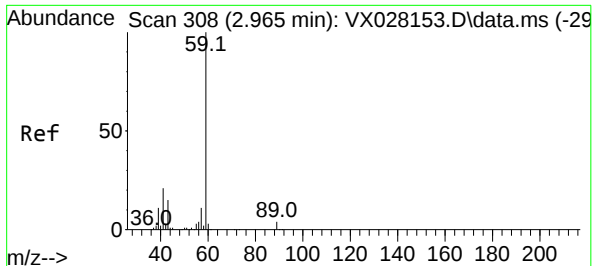
Tgt Ion: 74 Resp: 23  
Ion Ratio Lower Upper  
74 100  
45 0.0 42.0 126.0#



#10  
Methyl Iodide  
Concen: 5.515 ug/l  
RT: 2.465 min Scan# 226  
Delta R.T. 0.012 min  
Lab File: VX028215.D  
Acq: 20 Apr 2022 23:09

Tgt Ion:142 Resp: 1280  
Ion Ratio Lower Upper  
142 100  
127 45.9 33.9 50.9  
141 8.2 11.4 17.2#

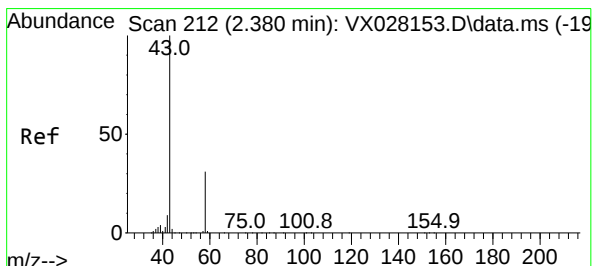
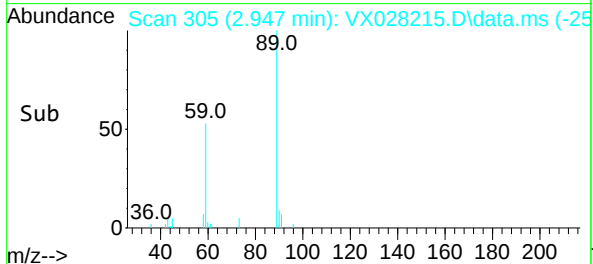
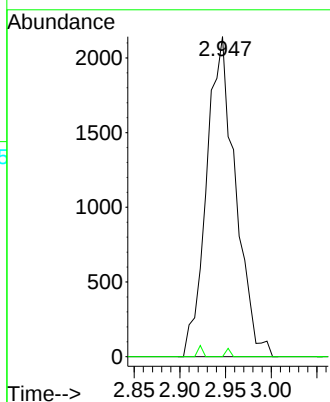
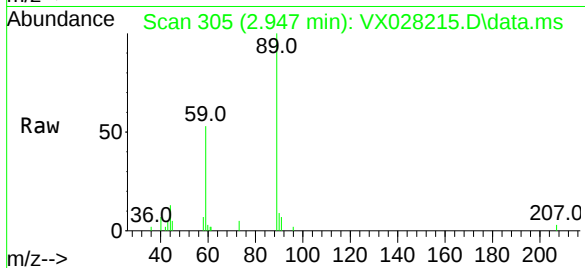




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.947 min Scan# 308  
Delta R.T. -0.018 min  
Lab File: VX028215.D  
Acq: 20 Apr 2022 23:09

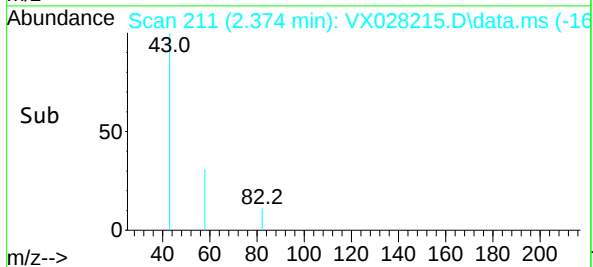
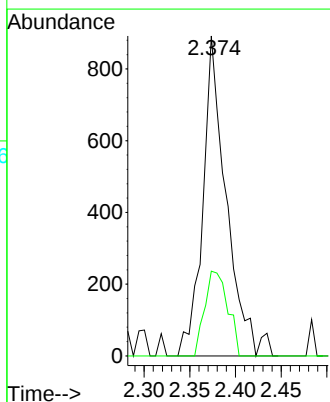
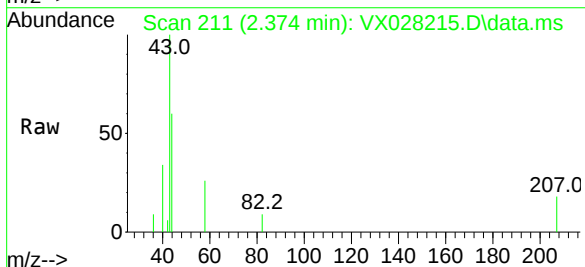
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0420WBL02

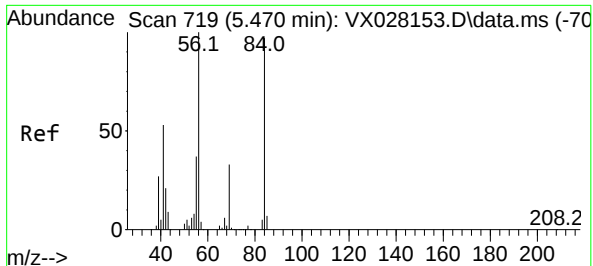
Tgt Ion: 59 Resp: 4720  
Ion Ratio Lower Upper  
59 100  
57 0.4 8.3 12.5#



#16  
Acetone  
Concen: Below Cal  
RT: 2.374 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VX028215.D  
Acq: 20 Apr 2022 23:09

Tgt Ion: 43 Resp: 1601  
Ion Ratio Lower Upper  
43 100  
58 26.5 28.8 43.2#

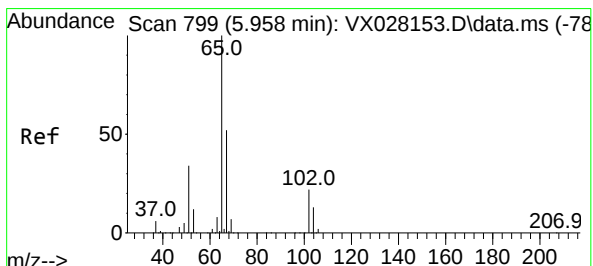
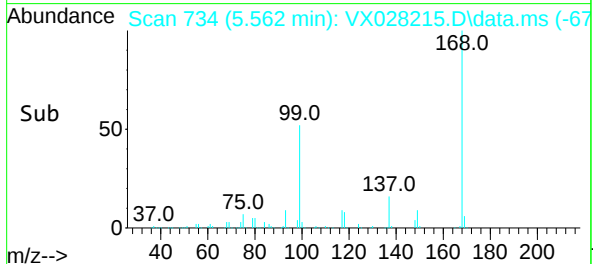
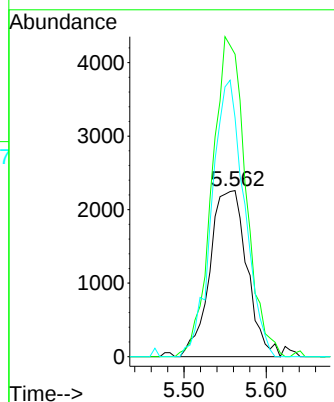
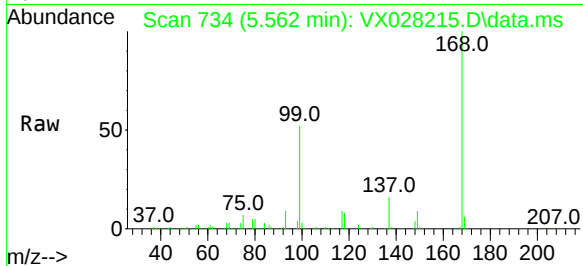




#31  
Cyclohexane  
Concen: 1.205 ug/l  
RT: 5.562 min Scan# 719  
Delta R.T. 0.092 min  
Lab File: VX028215.D  
Acq: 20 Apr 2022 23:09

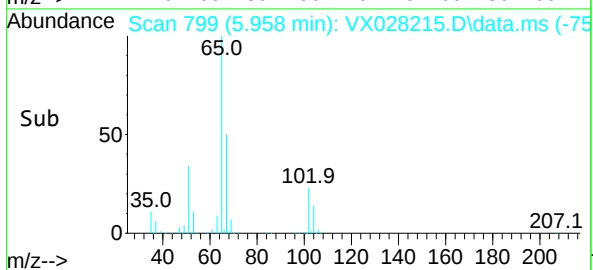
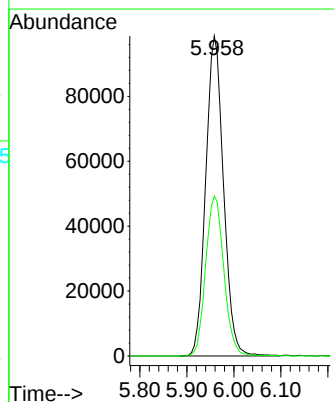
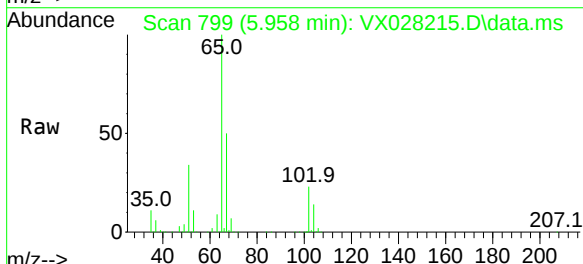
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0420WBL02

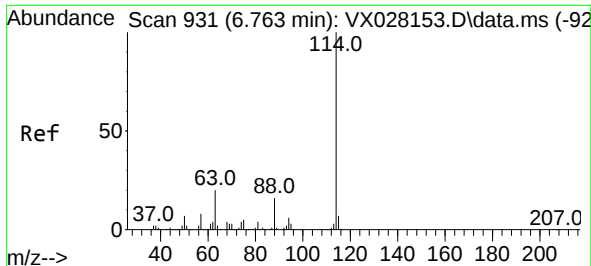
Tgt Ion: 56 Resp: 7068  
Ion Ratio Lower Upper  
56 100  
69 179.9 26.7 40.1#  
84 143.8 77.2 115.8#



#33  
1,2-Dichloroethane-d4  
Concen: 53.749 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX028215.D  
Acq: 20 Apr 2022 23:09

Tgt Ion: 65 Resp: 258683  
Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 107.4

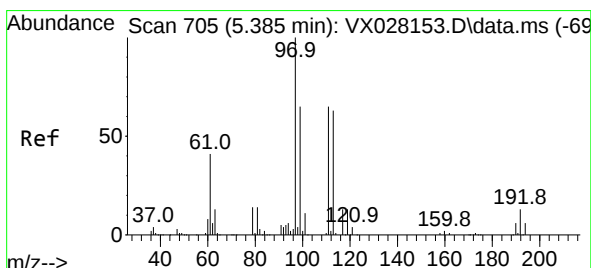
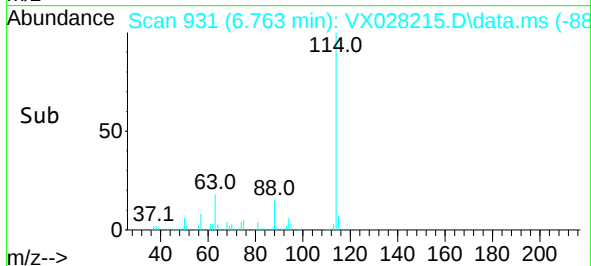
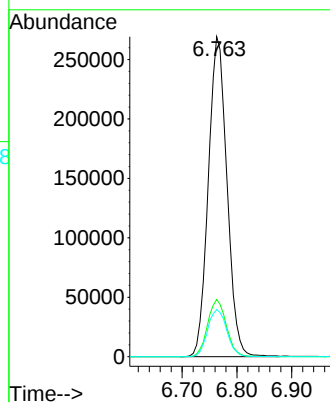
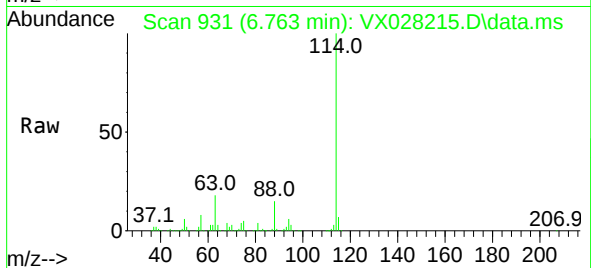




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX028215.D  
Acq: 20 Apr 2022 23:09

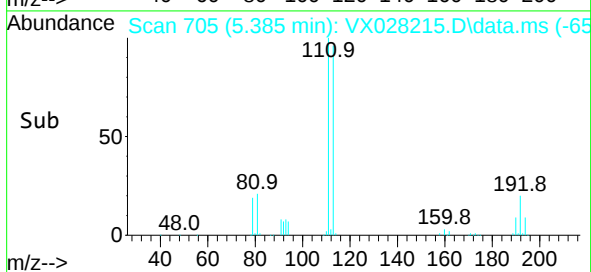
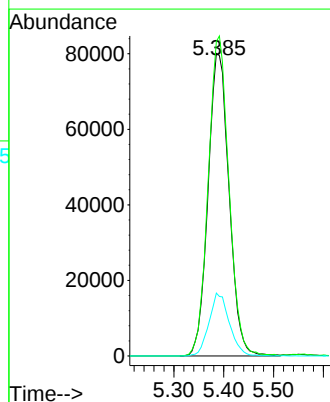
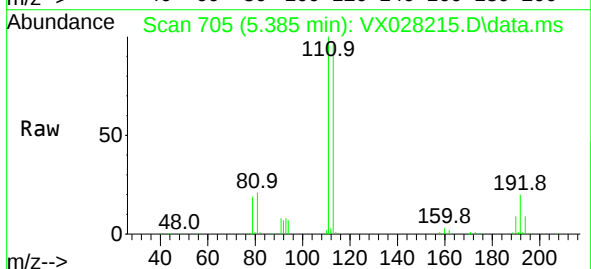
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0420WBL02

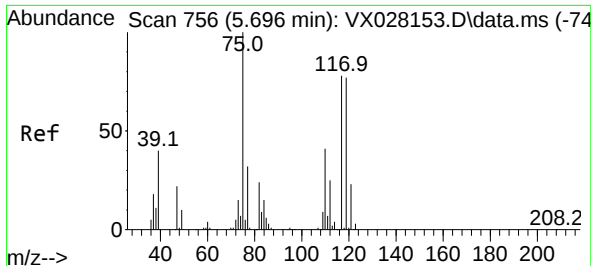
Tgt Ion:114 Resp: 635227  
Ion Ratio Lower Upper  
114 100  
63 17.9 0.0 36.8  
88 14.7 0.0 32.4



#35  
Dibromofluoromethane  
Concen: 52.718 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX028215.D  
Acq: 20 Apr 2022 23:09

Tgt Ion:113 Resp: 234847  
Ion Ratio Lower Upper  
113 100  
111 104.2 82.8 124.2  
192 20.1 16.9 25.3

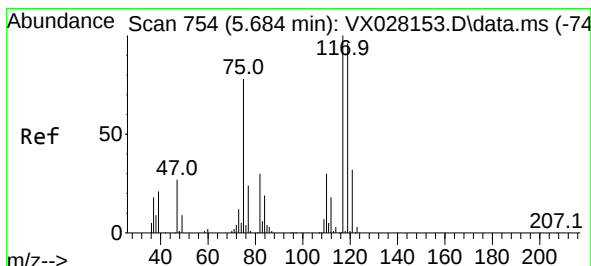
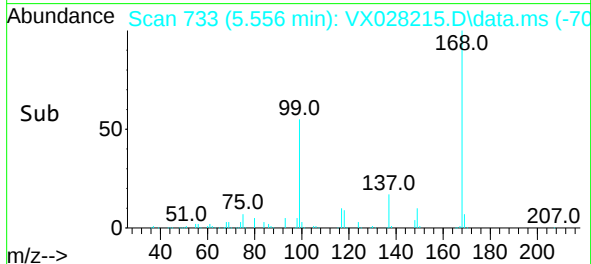
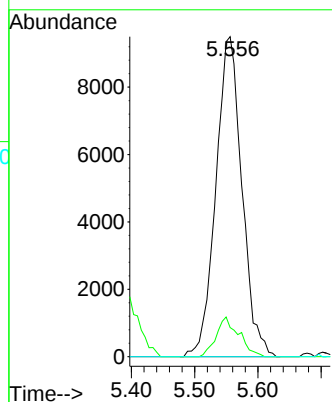
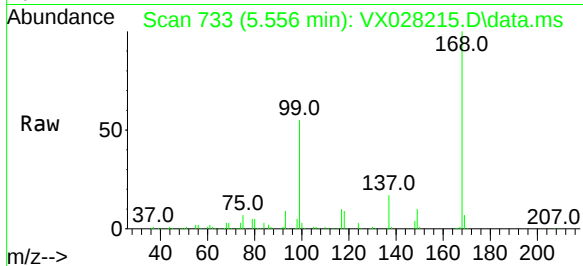




#36  
1,1-Dichloropropene  
Concen: 4.674 ug/l  
RT: 5.556 min Scan# 711  
Delta R.T. -0.140 min  
Lab File: VX028215.D  
Acq: 20 Apr 2022 23:09

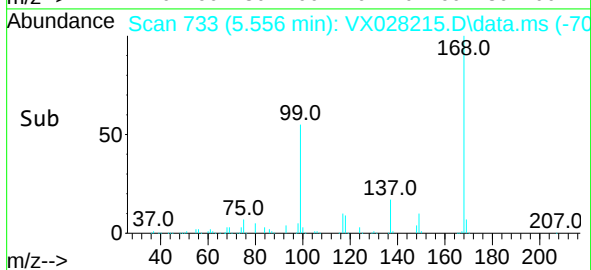
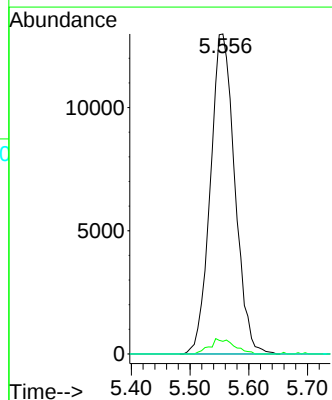
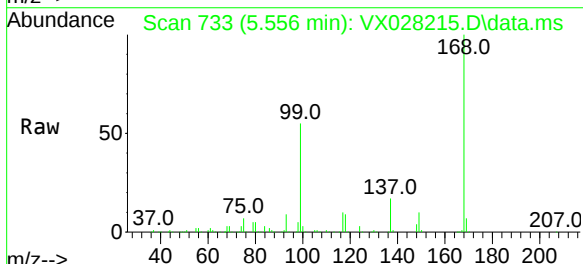
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0420WBL02

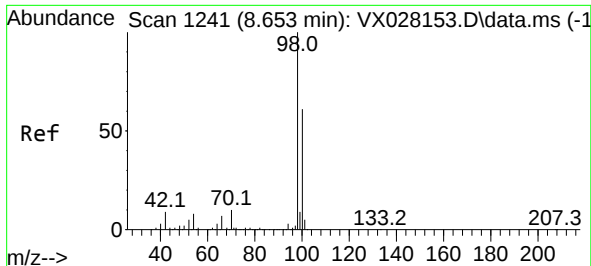
Tgt Ion: 75 Resp: 27160  
Ion Ratio Lower Upper  
75 100  
110 10.8 18.3 54.8#  
77 0.0 24.8 37.2#



#38  
Carbon Tetrachloride  
Concen: 5.720 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.128 min  
Lab File: VX028215.D  
Acq: 20 Apr 2022 23:09

Tgt Ion: 117 Resp: 37525  
Ion Ratio Lower Upper  
117 100  
119 4.0 77.3 115.9#  
121 0.0 24.2 36.2#

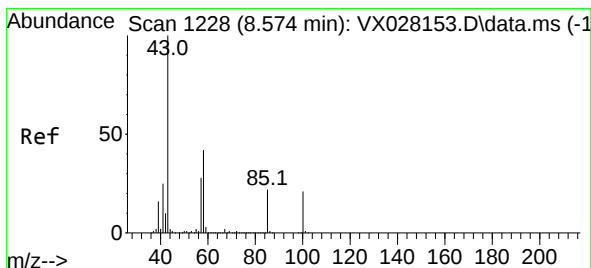
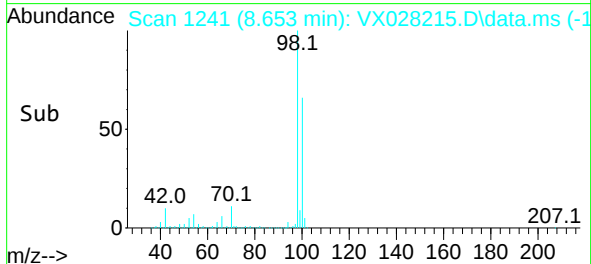
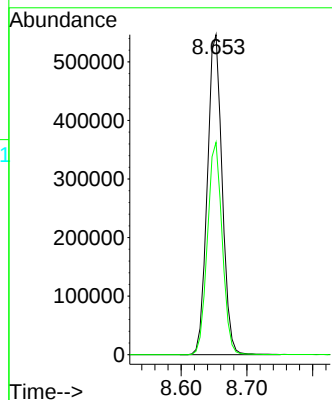
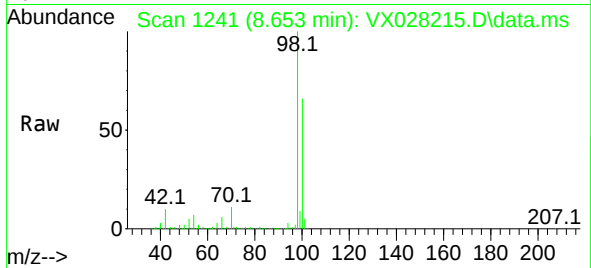




#50  
Toluene-d8  
Concen: 50.054 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX028215.D  
Acq: 20 Apr 2022 23:09

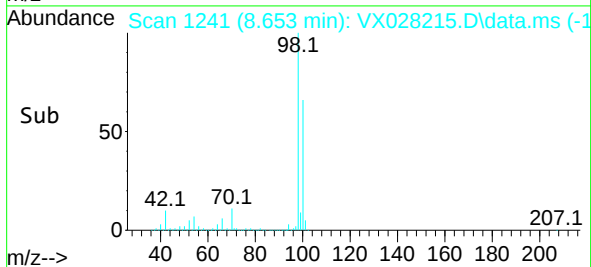
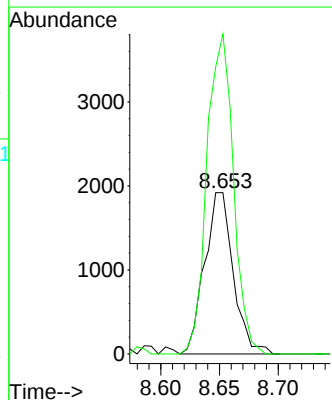
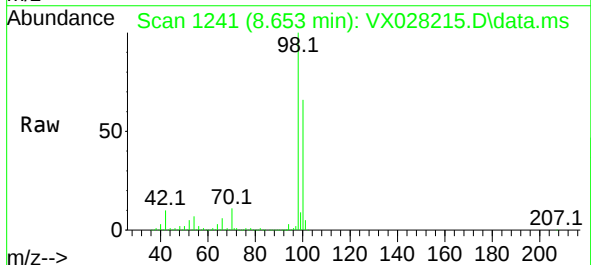
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0420WBL02

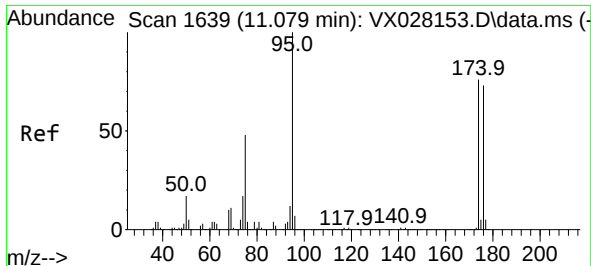
Tgt Ion: 98 Resp: 856429  
Ion Ratio Lower Upper  
98 100  
100 66.2 52.6 78.8



#51  
4-Methyl-2-Pentanone  
Concen: 0.529 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.079 min  
Lab File: VX028215.D  
Acq: 20 Apr 2022 23:09

Tgt Ion: 43 Resp: 3255  
Ion Ratio Lower Upper  
43 100  
58 183.7 36.1 54.1#





#62

4-Bromofluorobenzene

Concen: 48.481 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028215.D

Acq: 20 Apr 2022 23:09

Instrument :

MSVOA\_X

ClientSampleId :

VX0420WBL02

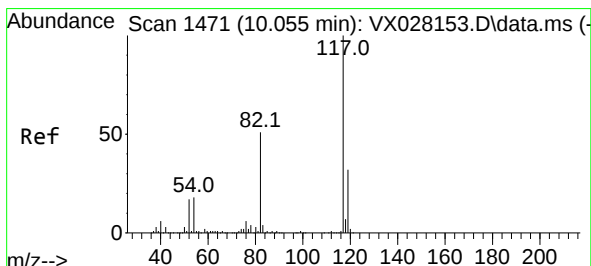
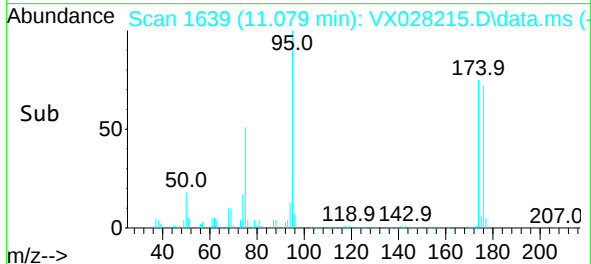
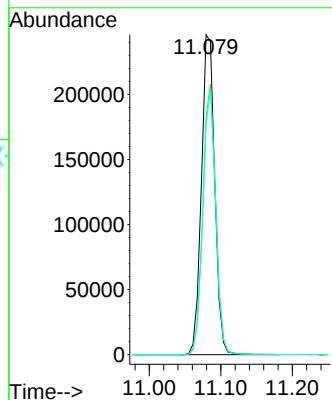
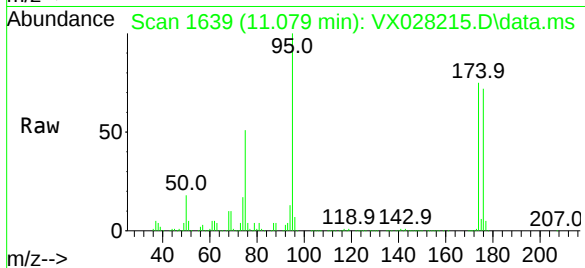
Tgt Ion: 95 Resp: 317167

Ion Ratio Lower Upper

95 100

174 82.4 0.0 163.0

176 80.2 0.0 155.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX028215.D

Acq: 20 Apr 2022 23:09

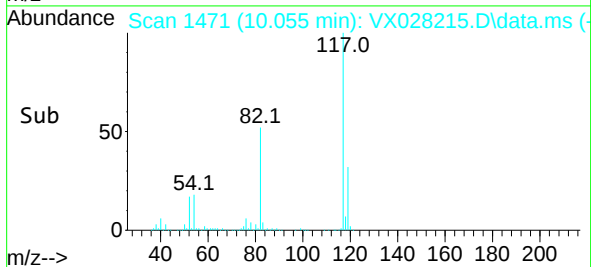
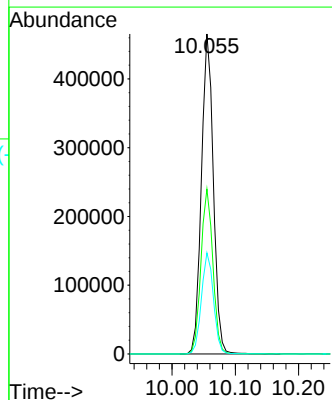
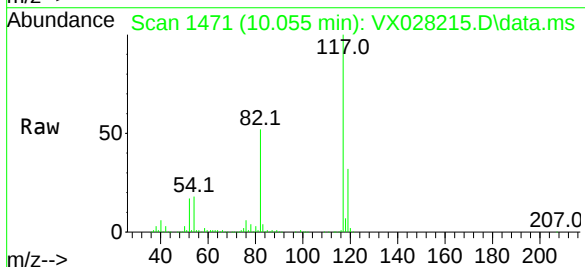
Tgt Ion: 117 Resp: 612644

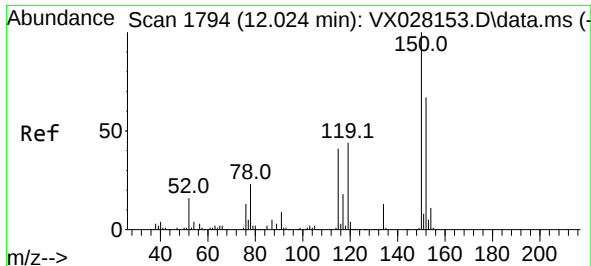
Ion Ratio Lower Upper

117 100

82 51.6 41.8 62.8

119 31.6 24.8 37.2

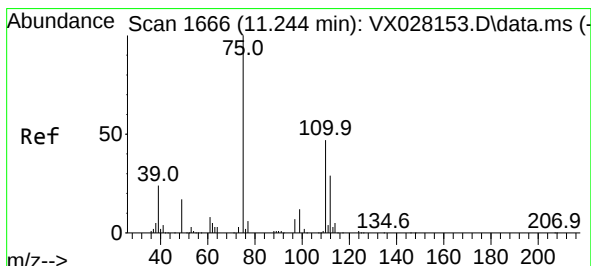
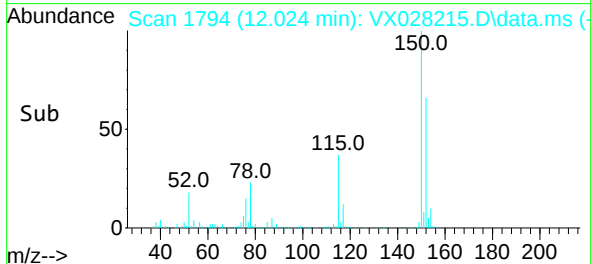
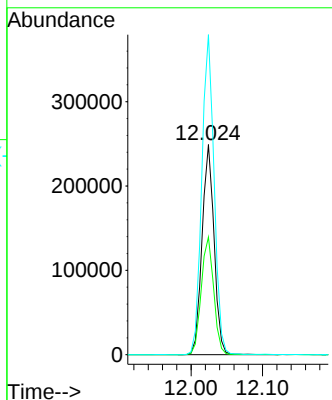
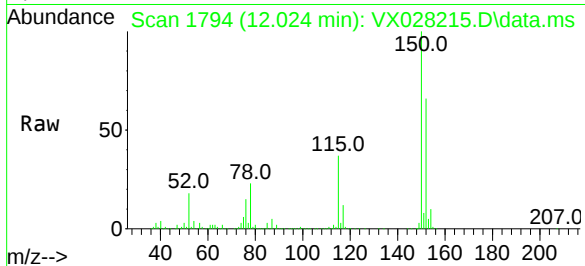




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX028215.D  
 Acq: 20 Apr 2022 23:09

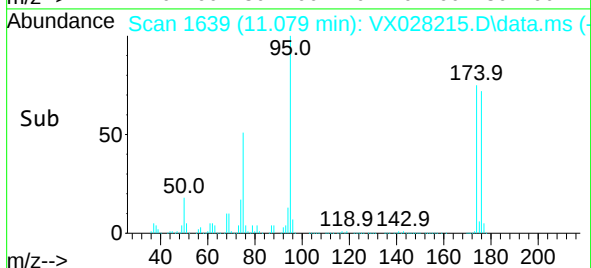
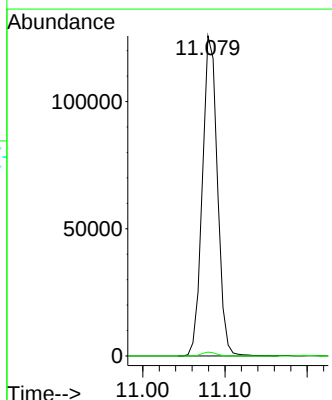
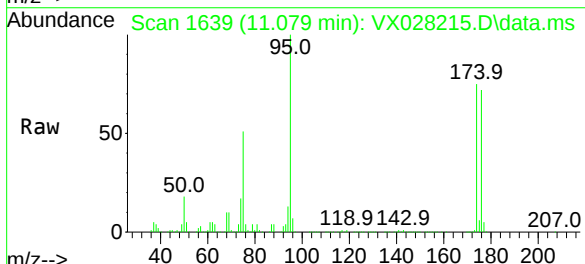
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0420WBL02

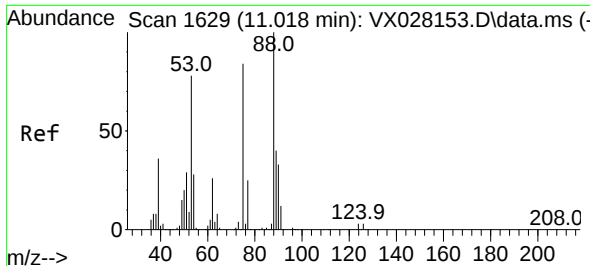
Tgt Ion:152 Resp: 291772  
 Ion Ratio Lower Upper  
 152 100  
 115 57.9 37.5 112.7  
 150 155.5 0.0 338.2



#76  
 1,2,3-Trichloropropane  
 Concen: 27.912 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.165 min  
 Lab File: VX028215.D  
 Acq: 20 Apr 2022 23:09

Tgt Ion: 75 Resp: 160280  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 19.4 58.2#

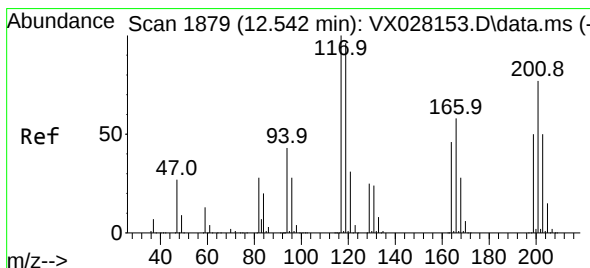
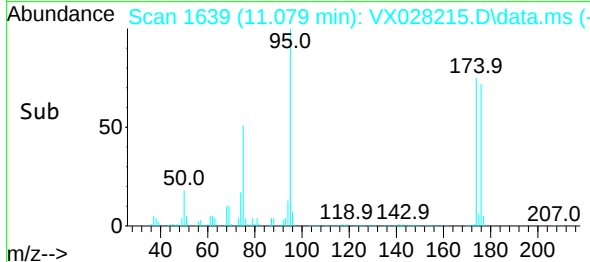
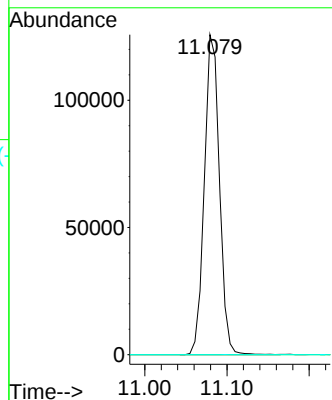
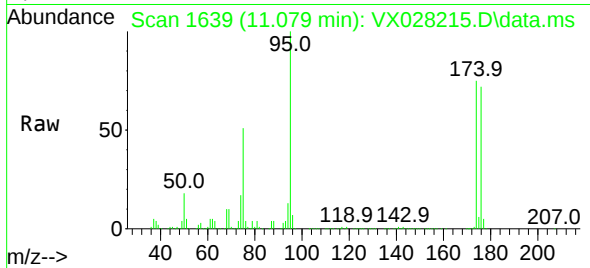




#81  
trans-1,4-Dichloro-2-butene  
Concen: 82.948 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX028215.D  
Acq: 20 Apr 2022 23:09

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0420WBL02

Tgt Ion: 75 Resp: 160280  
Ion Ratio Lower Upper  
75 100  
53 0.0 69.0 103.4#  
89 0.0 37.0 55.6#



#90  
Hexachloroethane  
Concen: 1.821 ug/l  
RT: 12.341 min Scan# 1846  
Delta R.T. -0.201 min  
Lab File: VX028215.D  
Acq: 20 Apr 2022 23:09

Tgt Ion: 117 Resp: 25  
Ion Ratio Lower Upper  
117 100  
201 0.0 39.5 118.5#

