

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062321\  
 Data File : VX022854.D  
 Acq On : 23 Jun 2021 20:52  
 Operator : JC/MD  
 Sample : M2803-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jun 24 03:37:58 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062321W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 23 19:12:26 2021  
 Response via : Initial Calibration

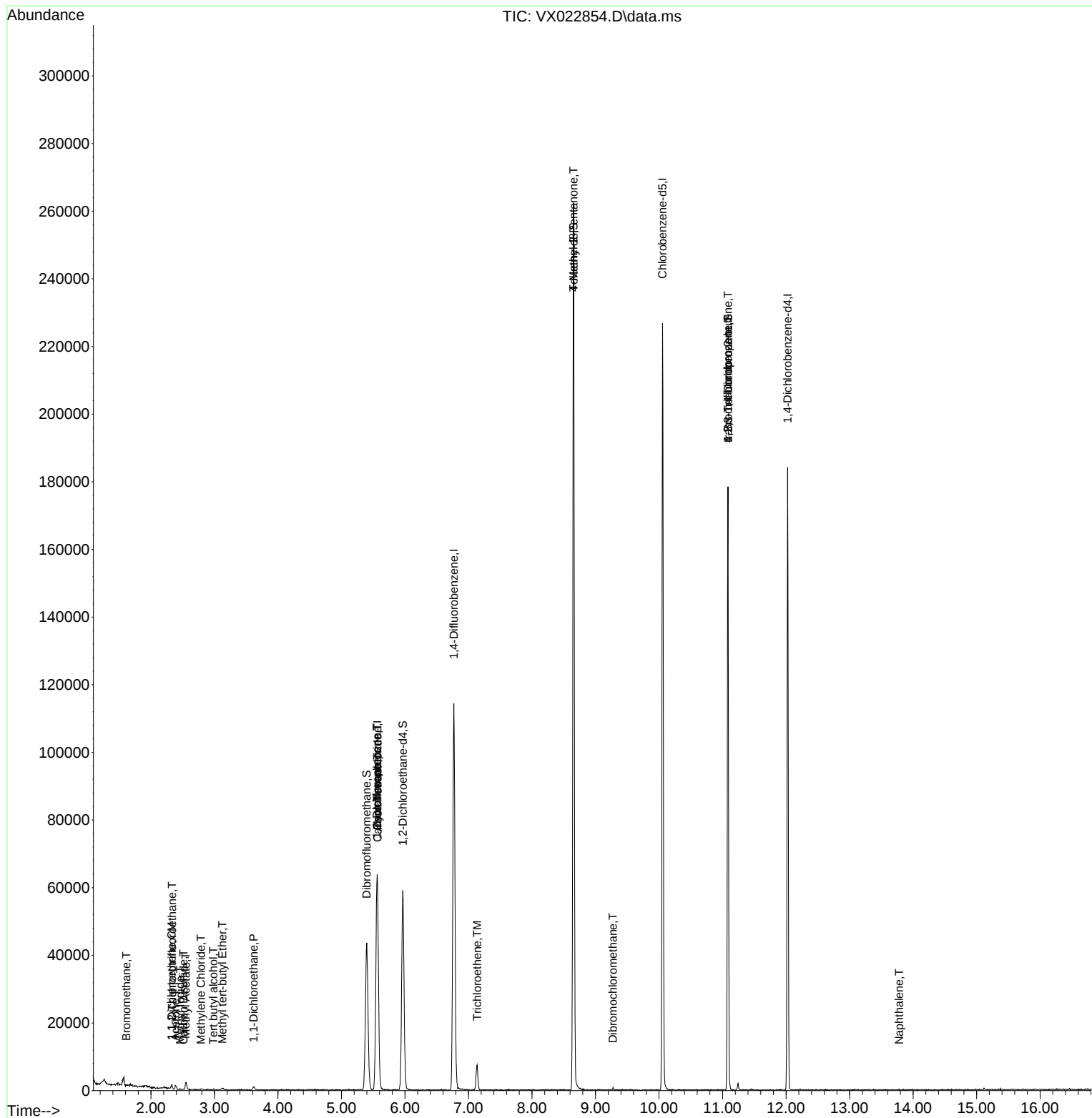
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.562     | 168   | 53832    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769     | 114   | 109865   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 95191    | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 32907    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.964     | 65    | 52298    | 53.533   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 78 - 117 | Recovery | = 107.060% |          |
| 35) Dibromofluoromethane      | 5.397     | 113   | 36193    | 51.877   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery | = 103.760% |          |
| 50) Toluene-d8                | 8.653     | 98    | 144769   | 52.946   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 92 - 112 | Recovery | = 105.900% |          |
| 62) 4-Bromofluorobenzene      | 11.085    | 95    | 47128    | 46.183   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 83 - 123 | Recovery | = 92.360%  |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 5) Bromomethane               | 1.611     | 94    | 108      | 0.255    | ug/l       | 98       |
| 9) 1,1,2-Trichlorotrifluo...  | 2.331     | 101   | 467      | 0.667    | ug/l #     | 75       |
| 10) Methyl Iodide             | 2.459     | 142   | 89       | 3.977    | ug/l #     | 42       |
| 11) Tert butyl alcohol        | 2.983     | 59    | 113      | 0.555    | ug/l #     | 73       |
| 12) 1,1-Dichloroethene        | 2.325     | 96    | 160      | 0.229    | ug/l #     | 76       |
| 16) Acetone                   | 2.386     | 43    | 1137     | 2.625    | ug/l       | 94       |
| 17) Carbon Disulfide          | 2.514     | 76    | 137      | 3.583    | ug/l #     | 75       |
| 18) Methyl Acetate            | 2.544     | 43    | 760      | 0.713    | ug/l #     | 47       |
| 19) Methyl tert-butyl Ether   | 3.123     | 73    | 666      | 0.266    | ug/l #     | 83       |
| 20) Methylene Chloride        | 2.788     | 84    | 96       | 0.483    | ug/l #     | 83       |
| 24) 1,1-Dichloroethane        | 3.617     | 63    | 1095     | 0.743    | ug/l #     | 81       |
| 31) Cyclohexane               | 5.562     | 56    | 1596     | 1.157    | ug/l #     | 11       |
| 36) 1,1-Dichloropropene       | 5.556     | 75    | 5684     | 4.871    | ug/l #     | 46       |
| 38) Carbon Tetrachloride      | 5.568     | 117   | 6558     | 6.700    | ug/l #     | 19       |
| 44) Trichloroethene           | 7.135     | 130   | 2539     | 3.182    | ug/l       | 87       |
| 51) 4-Methyl-2-Pentanone      | 8.653     | 43    | 755      | 0.558    | ug/l #     | 1        |
| 60) Dibromochloromethane      | 9.275     | 129   | 59       | 3.718    | ug/l #     | 11       |
| 76) 1,2,3-Trichloropropane    | 11.085    | 75    | 25405    | 29.228   | ug/l #     | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.085    | 75    | 25405    | 75.177   | ug/l #     | 12       |
| 95) Naphthalene               | 13.780    | 128   | 31       | 1.934    | ug/l #     | 69       |
| -----                         |           |       |          |          |            |          |

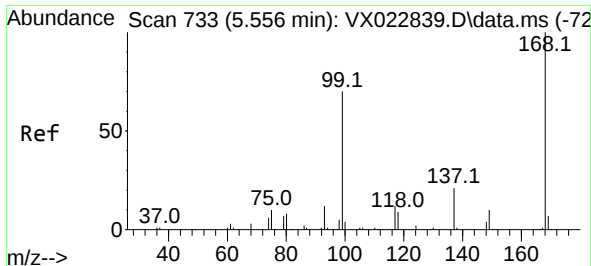
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062321\  
Data File : VX022854.D  
Acq On : 23 Jun 2021 20:52  
Operator : JC/MD  
Sample : M2803-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Jun 24 03:37:58 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062321W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 23 19:12:26 2021  
Response via : Initial Calibration

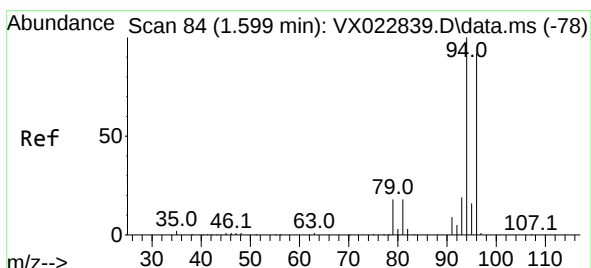
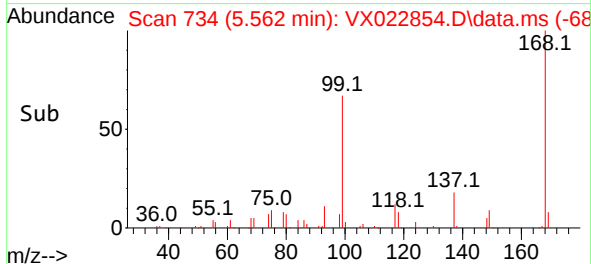
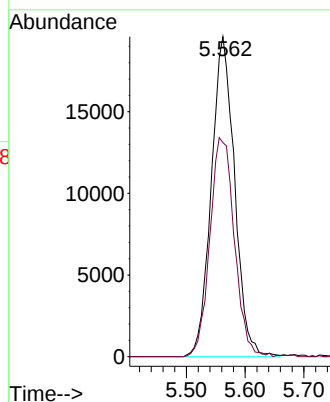
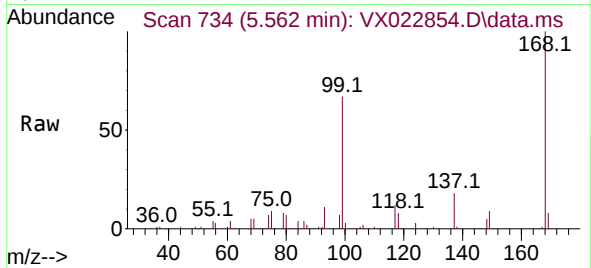




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.006 min  
Lab File: VX022854.D  
Acq: 23 Jun 2021 20:52

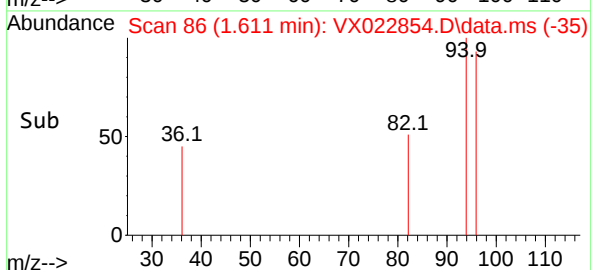
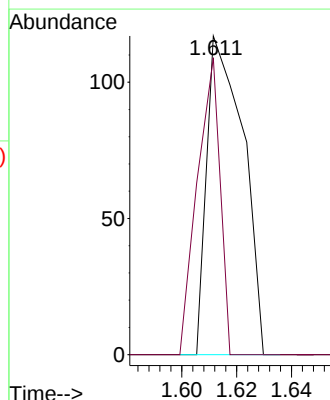
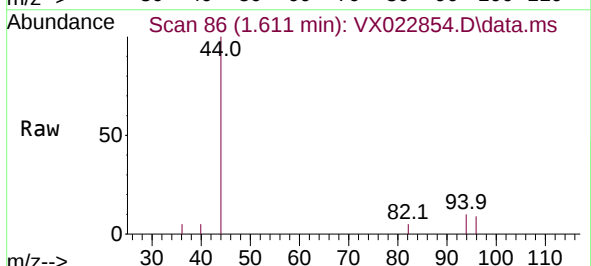
Instrument :  
MSVOA\_X  
ClientSampled :

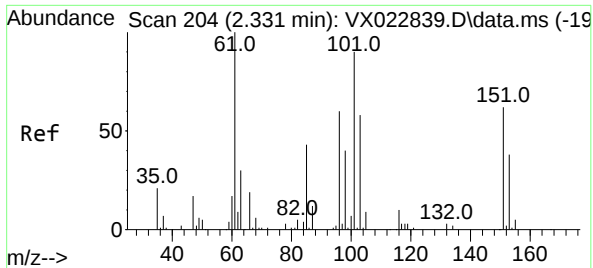
Tgt Ion:168 Resp: 53832  
Ion Ratio Lower Upper  
168 100  
99 66.9 45.8 68.6



#5  
Bromomethane  
Concen: 0.255 ug/l  
RT: 1.611 min Scan# 86  
Delta R.T. 0.012 min  
Lab File: VX022854.D  
Acq: 23 Jun 2021 20:52

Tgt Ion: 94 Resp: 108  
Ion Ratio Lower Upper  
94 100  
96 93.2 76.4 114.6

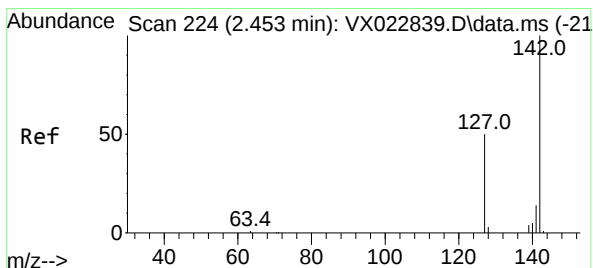
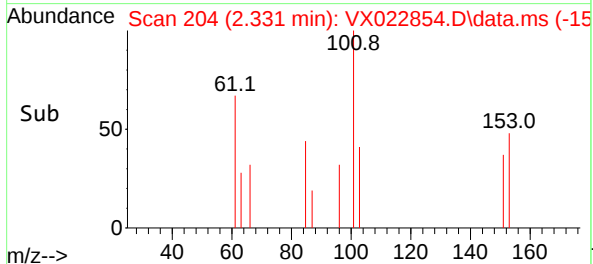
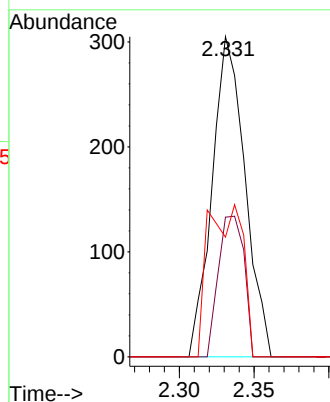
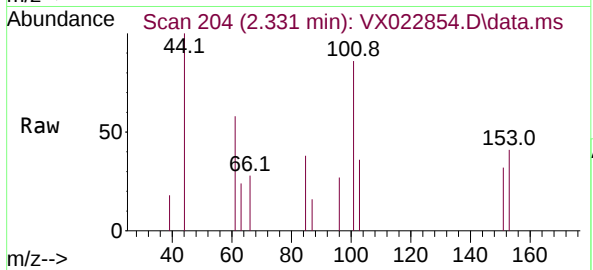




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.667 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. -0.000 min  
Lab File: VX022854.D  
Acq: 23 Jun 2021 20:52

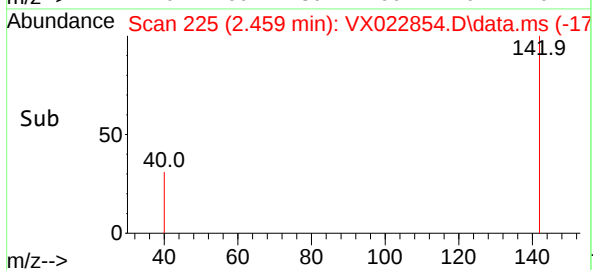
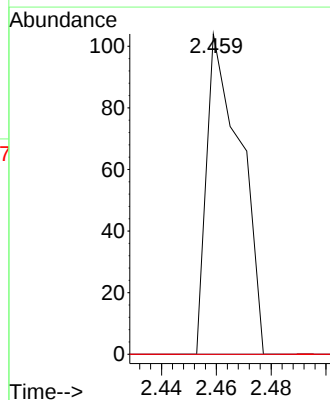
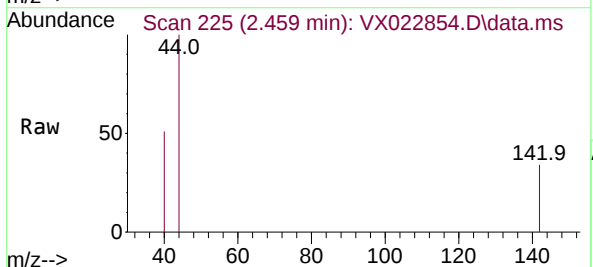
Instrument :  
MSVOA\_X  
ClientSampled :

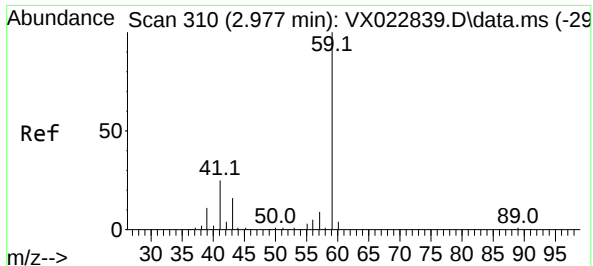
Tgt Ion:101 Resp: 467  
Ion Ratio Lower Upper  
101 100  
85 34.3 34.9 52.3#  
151 50.3 61.4 92.2#



#10  
Methyl Iodide  
Concen: 3.977 ug/l  
RT: 2.459 min Scan# 225  
Delta R.T. 0.006 min  
Lab File: VX022854.D  
Acq: 23 Jun 2021 20:52

Tgt Ion:142 Resp: 89  
Ion Ratio Lower Upper  
142 100  
127 0.0 33.3 49.9#  
141 0.0 11.4 17.0#



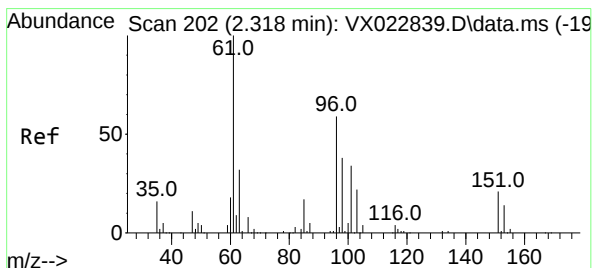
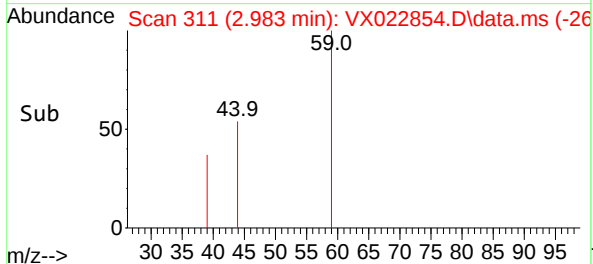
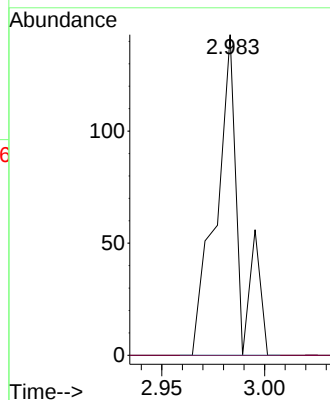
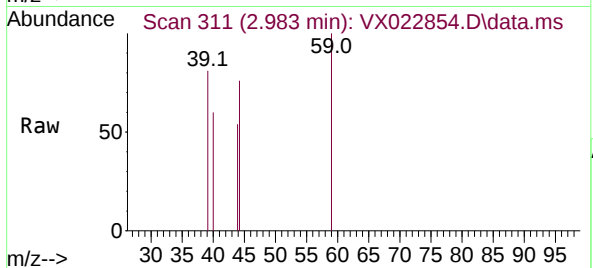


#11

Tert butyl alcohol  
Concen: 0.555 ug/l  
RT: 2.983 min Scan# 311  
Delta R.T. 0.006 min  
Lab File: VX022854.D  
Acq: 23 Jun 2021 20:52

Instrument :  
MSVOA\_X  
ClientSampled :

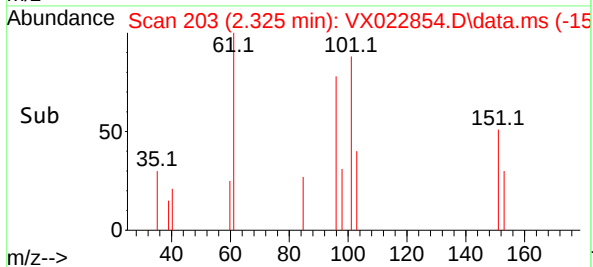
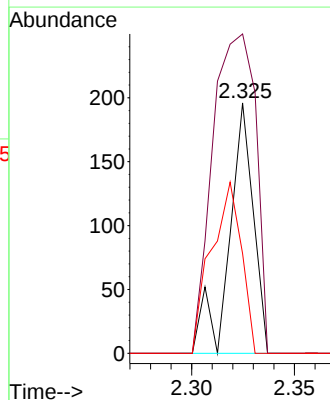
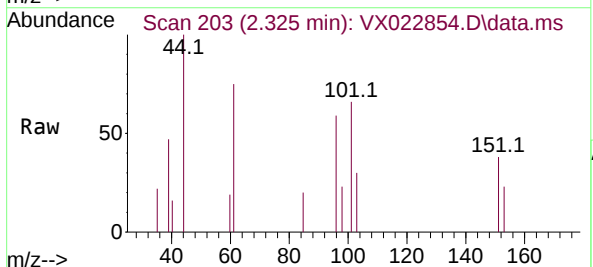
Tgt Ion: 59 Resp: 113  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

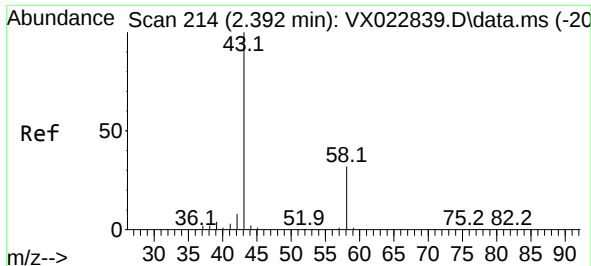


#12

1,1-Dichloroethene  
Concen: 0.229 ug/l  
RT: 2.325 min Scan# 203  
Delta R.T. 0.007 min  
Lab File: VX022854.D  
Acq: 23 Jun 2021 20:52

Tgt Ion: 96 Resp: 160  
Ion Ratio Lower Upper  
96 100  
61 127.6 124.6 187.0  
98 39.8 50.6 76.0#

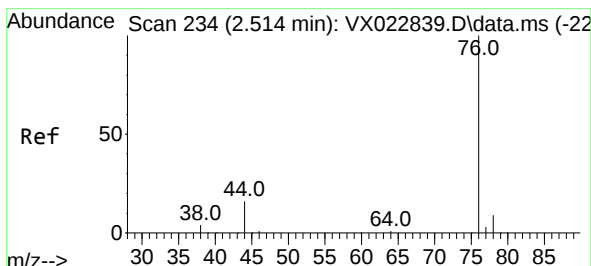
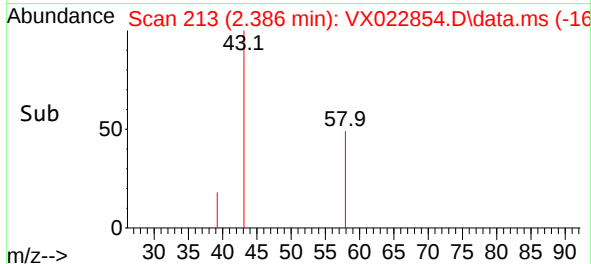
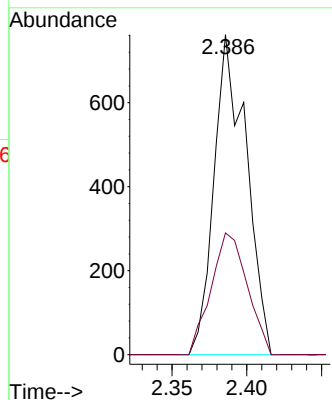
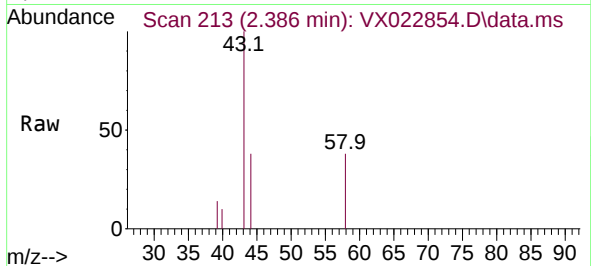




#16  
Acetone  
Concen: 2.625 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX022854.D  
Acq: 23 Jun 2021 20:52

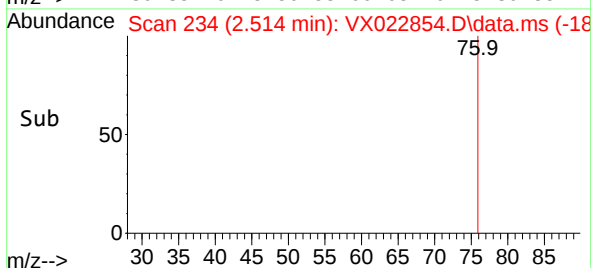
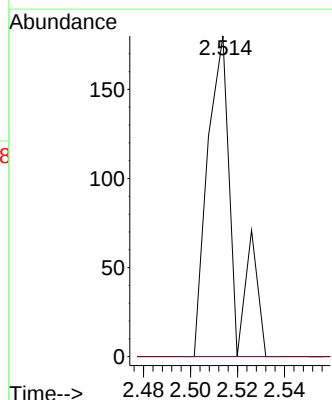
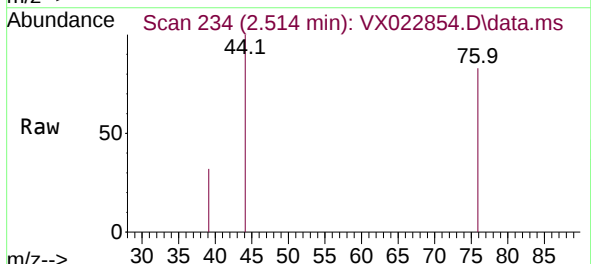
Instrument :  
MSVOA\_X  
ClientSampled :

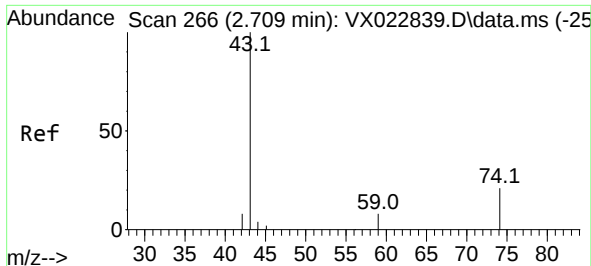
Tgt Ion: 43 Resp: 1137  
Ion Ratio Lower Upper  
43 100  
58 38.1 27.8 41.8



#17  
Carbon Disulfide  
Concen: 3.583 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. -0.000 min  
Lab File: VX022854.D  
Acq: 23 Jun 2021 20:52

Tgt Ion: 76 Resp: 137  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#





#18

Methyl Acetate

Concen: 0.713 ug/l

RT: 2.544 min Scan# 239

Delta R.T. -0.165 min

Lab File: VX022854.D

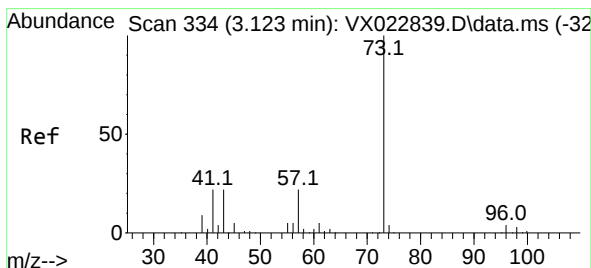
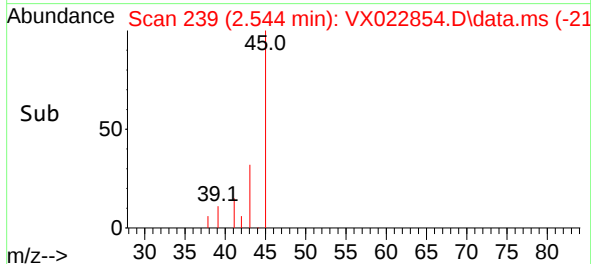
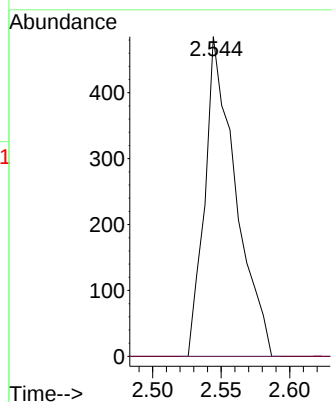
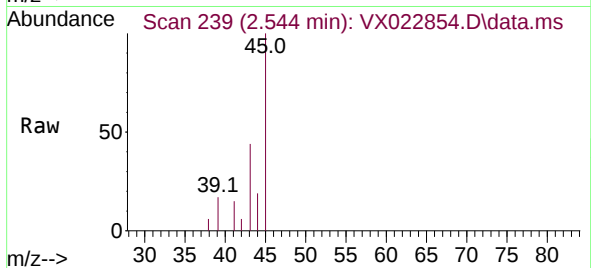
Acq: 23 Jun 2021 20:52

Tgt Ion: 43 Resp: 760

Ion Ratio Lower Upper

43 100

74 0.0 21.9 32.9#



#19

Methyl tert-butyl Ether

Concen: 0.266 ug/l

RT: 3.123 min Scan# 334

Delta R.T. 0.000 min

Lab File: VX022854.D

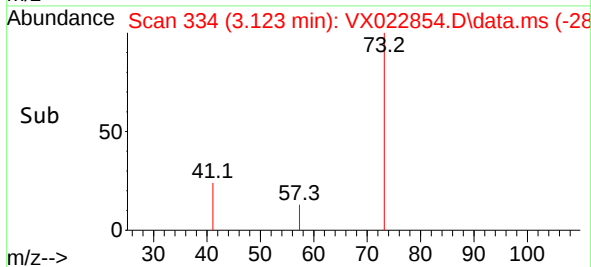
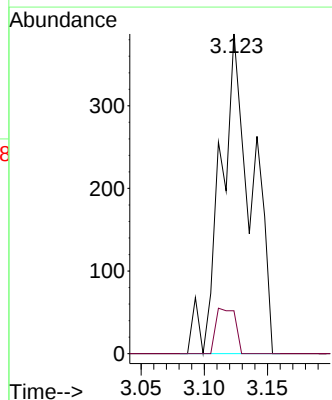
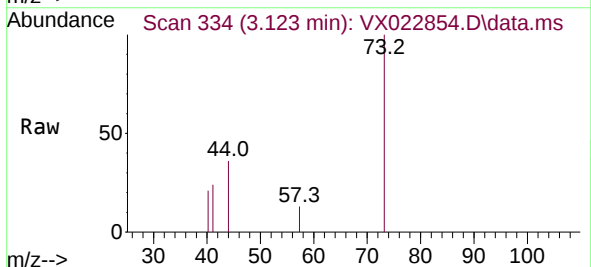
Acq: 23 Jun 2021 20:52

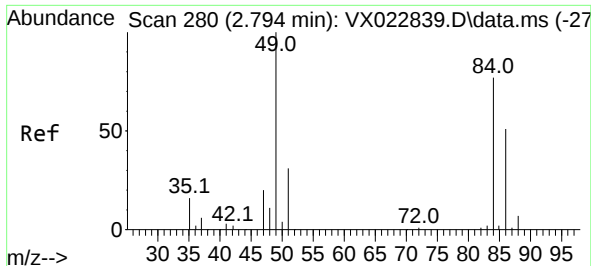
Tgt Ion: 73 Resp: 666

Ion Ratio Lower Upper

73 100

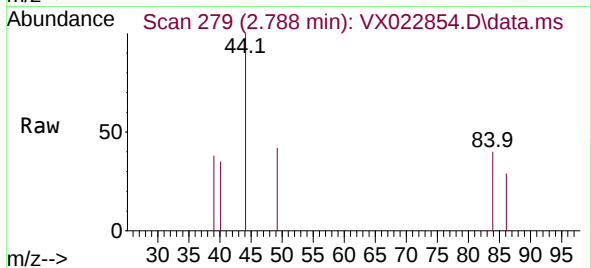
57 13.4 17.1 25.7#





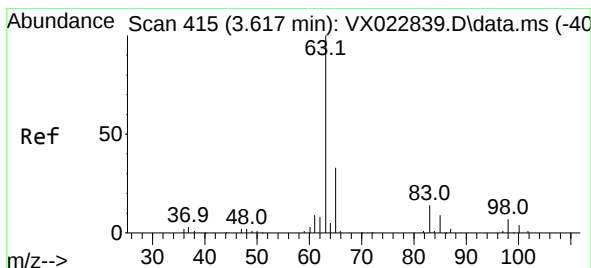
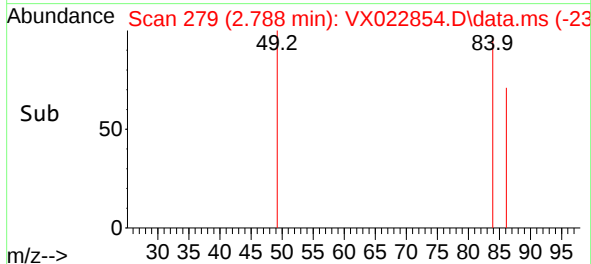
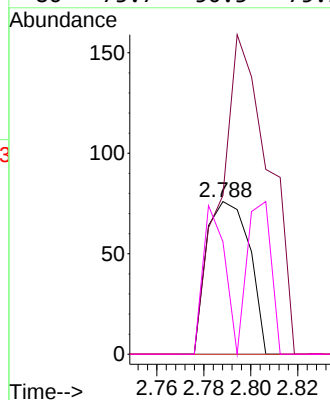
#20  
Methylene Chloride  
Concen: 0.483 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. -0.006 min  
Lab File: VX022854.D  
Acq: 23 Jun 2021 20:52

Instrument :  
MSVOA\_X  
ClientSampled :

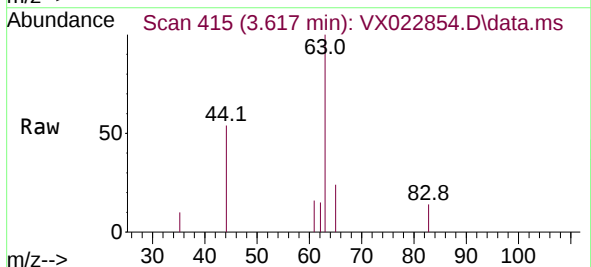


Tgt Ion: 84 Resp: 96

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 103.9 | 88.6  | 132.8 |
| 51  | 0.0   | 27.0  | 40.6# |
| 86  | 73.7  | 50.3  | 75.5  |

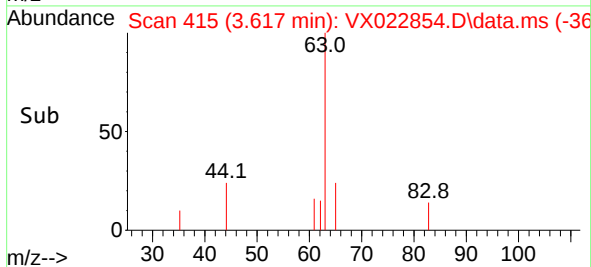
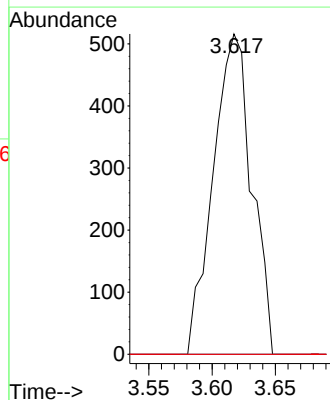


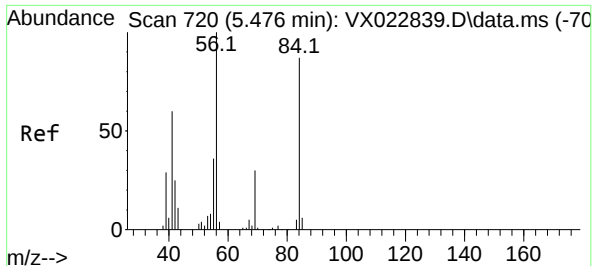
#24  
1,1-Dichloroethane  
Concen: 0.743 ug/l  
RT: 3.617 min Scan# 415  
Delta R.T. 0.000 min  
Lab File: VX022854.D  
Acq: 23 Jun 2021 20:52



Tgt Ion: 63 Resp: 1095

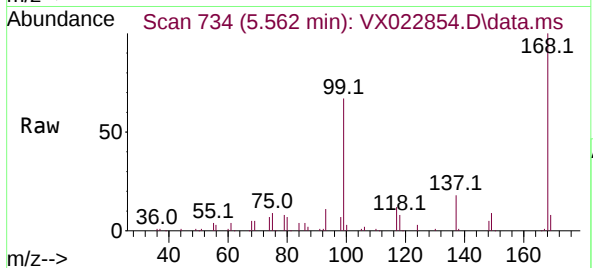
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 0.0   | 3.8   | 11.2# |
| 100 | 0.0   | 2.5   | 7.5#  |



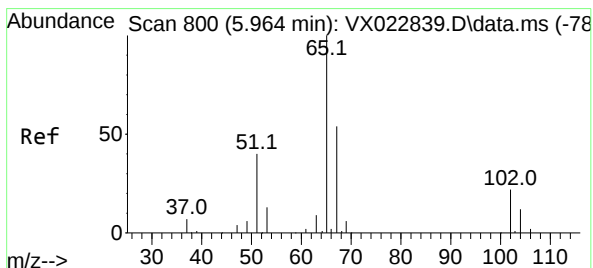
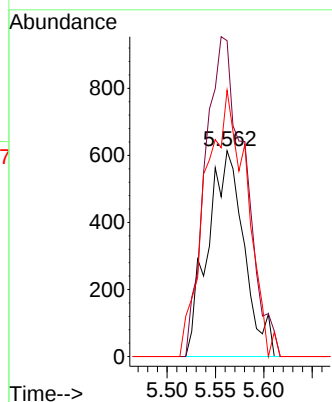
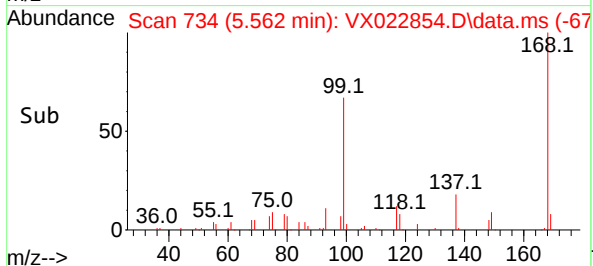


#31  
Cyclohexane  
Concen: 1.157 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.086 min  
Lab File: VX022854.D  
Acq: 23 Jun 2021 20:52

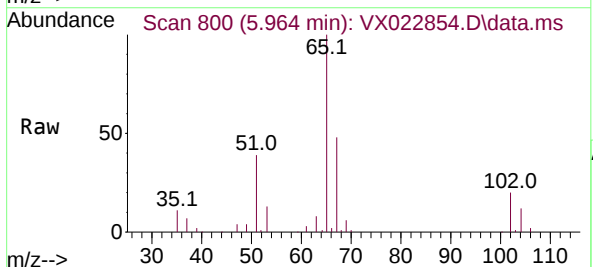
Instrument :  
MSVOA\_X  
ClientSampled :



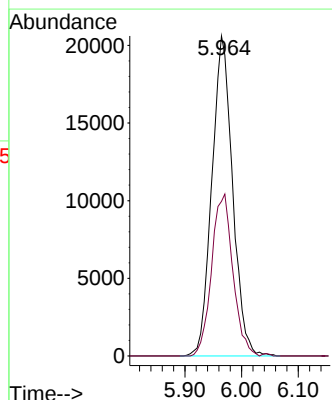
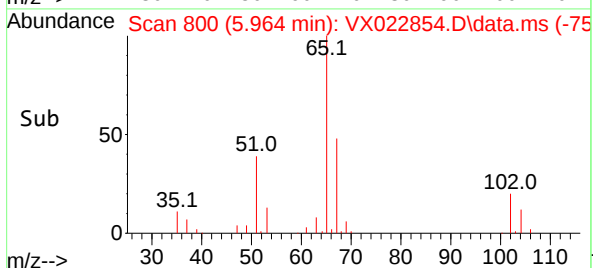
Tgt Ion: 56 Resp: 1596  
Ion Ratio Lower Upper  
56 100  
69 153.4 25.3 37.9#  
84 129.3 71.4 107.0#

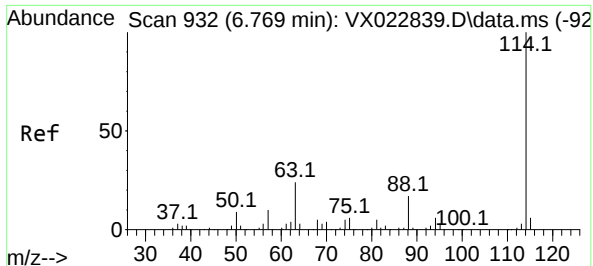


#33  
1,2-Dichloroethane-d4  
Concen: 53.533 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX022854.D  
Acq: 23 Jun 2021 20:52



Tgt Ion: 65 Resp: 52298  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 105.4

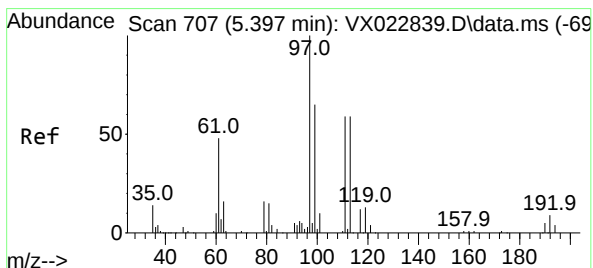
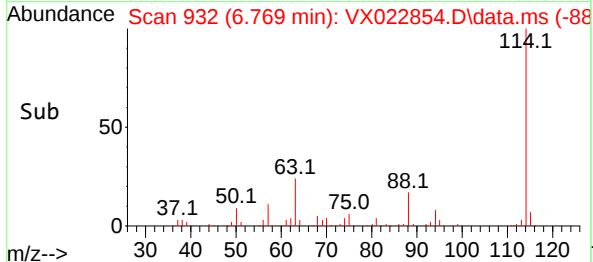
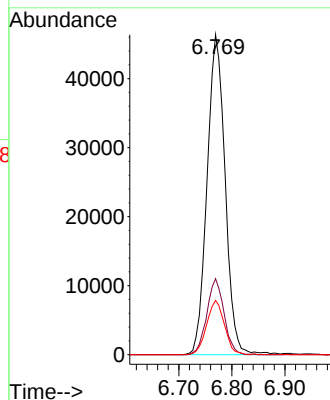
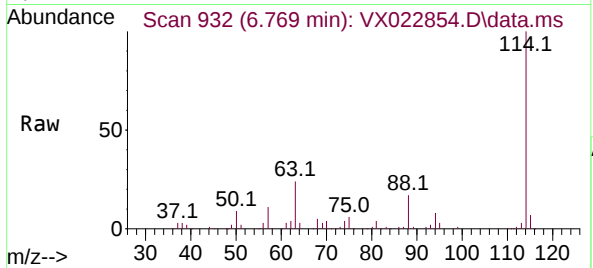




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX022854.D  
Acq: 23 Jun 2021 20:52

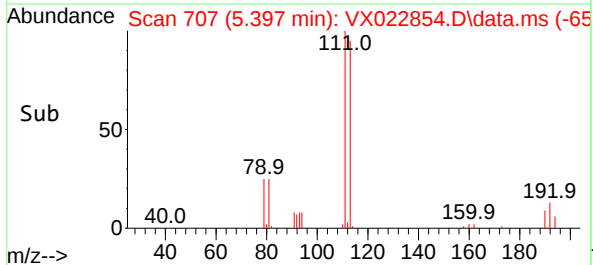
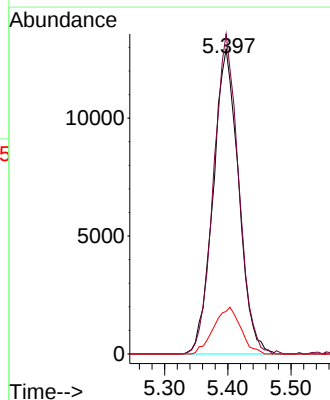
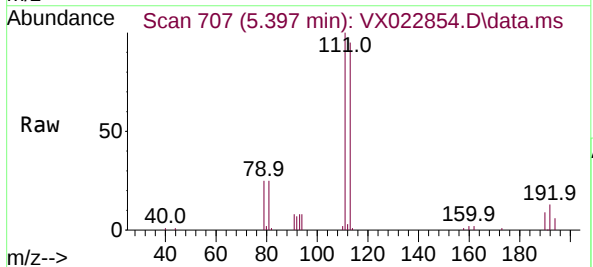
Instrument :  
MSVOA\_X  
ClientSampled :

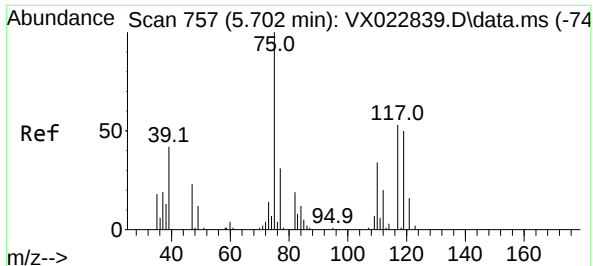
Tgt Ion:114 Resp: 109865  
Ion Ratio Lower Upper  
114 100  
63 23.7 0.0 40.8  
88 16.9 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 51.877 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX022854.D  
Acq: 23 Jun 2021 20:52

Tgt Ion:113 Resp: 36193  
Ion Ratio Lower Upper  
113 100  
111 102.7 81.9 122.9  
192 16.2 16.7 25.1#

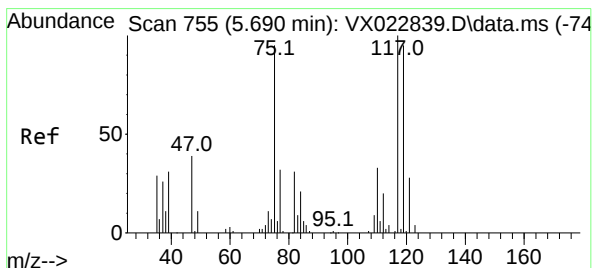
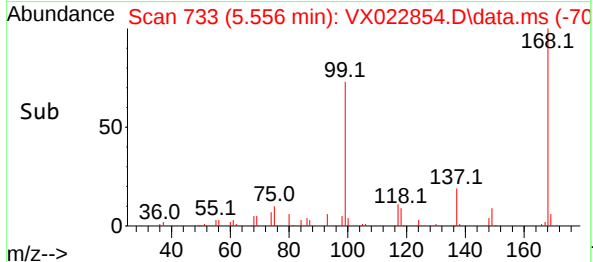
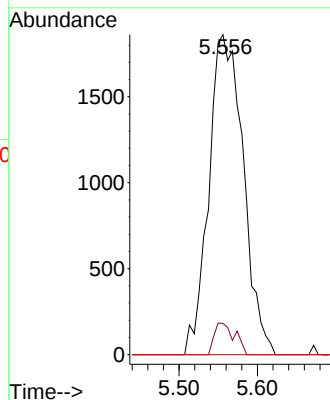
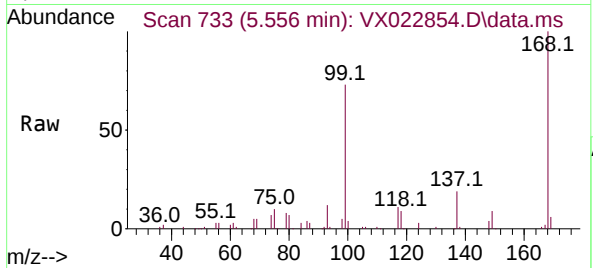




#36  
1,1-Dichloropropene  
Concen: 4.871 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.146 min  
Lab File: VX022854.D  
Acq: 23 Jun 2021 20:52

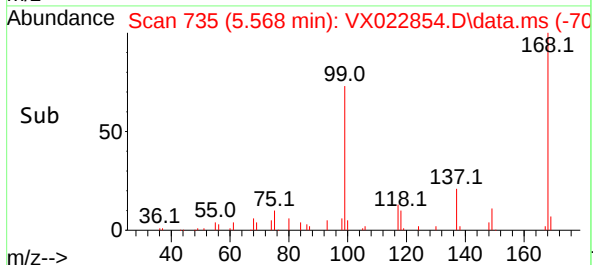
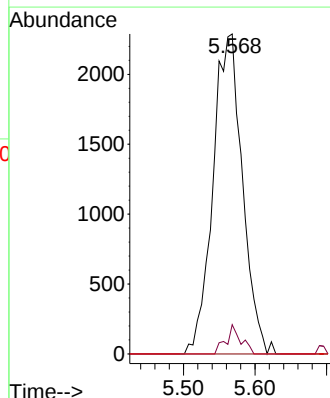
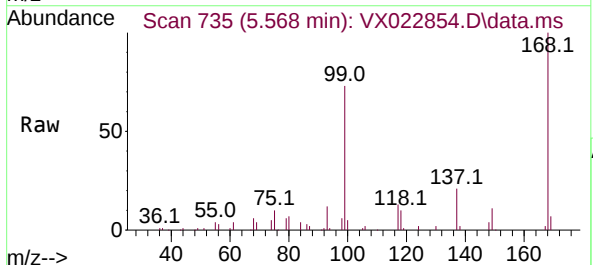
Instrument :  
MSVOA\_X  
ClientSampled :

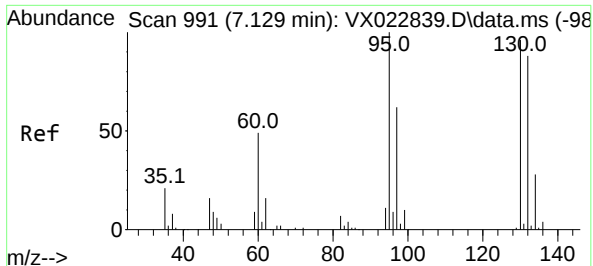
Tgt Ion: 75 Resp: 5684  
Ion Ratio Lower Upper  
75 100  
110 5.9 18.1 54.4#  
77 0.0 25.3 37.9#



#38  
Carbon Tetrachloride  
Concen: 6.700 ug/l  
RT: 5.568 min Scan# 735  
Delta R.T. -0.122 min  
Lab File: VX022854.D  
Acq: 23 Jun 2021 20:52

Tgt Ion: 117 Resp: 6558  
Ion Ratio Lower Upper  
117 100  
119 9.1 76.2 114.2#  
121 0.0 24.8 37.2#

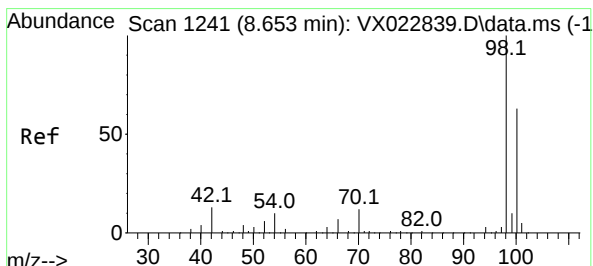
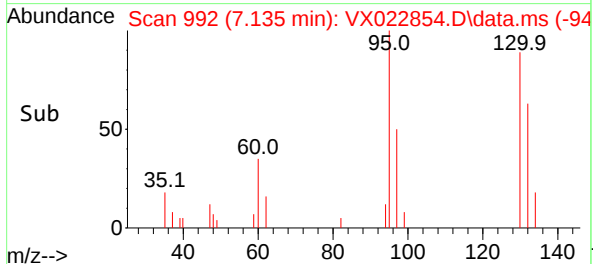
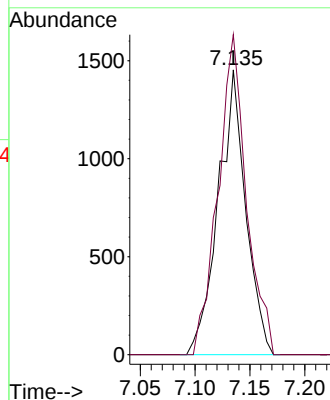
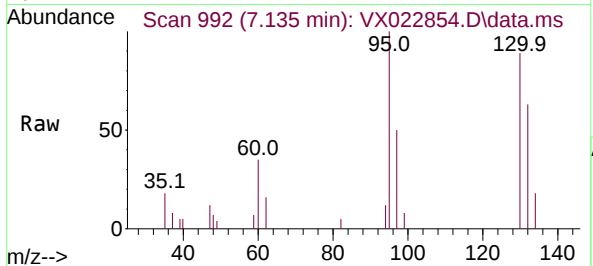




#44  
Trichloroethene  
Concen: 3.182 ug/l  
RT: 7.135 min Scan# 992  
Delta R.T. 0.006 min  
Lab File: VX022854.D  
Acq: 23 Jun 2021 20:52

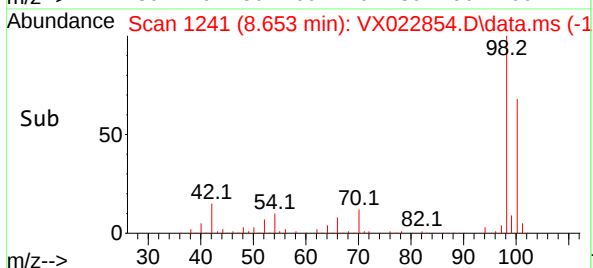
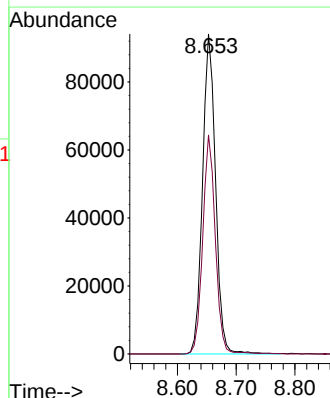
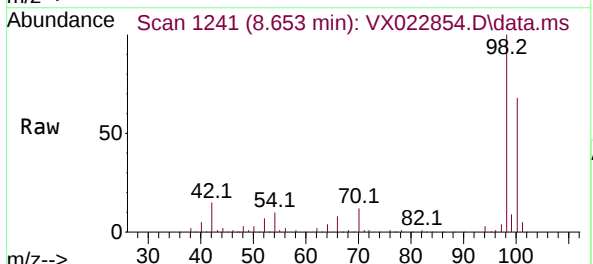
Instrument :  
MSVOA\_X  
ClientSampled :

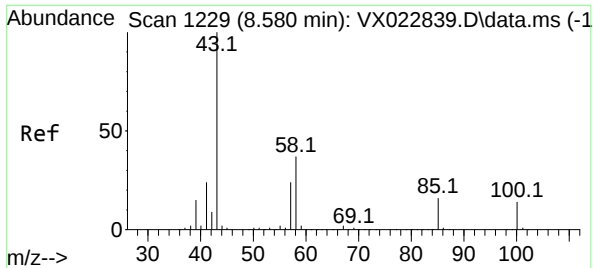
Tgt Ion:130 Resp: 2539  
Ion Ratio Lower Upper  
130 100  
95 112.4 0.0 198.0



#50  
Toluene-d8  
Concen: 52.946 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX022854.D  
Acq: 23 Jun 2021 20:52

Tgt Ion: 98 Resp: 144769  
Ion Ratio Lower Upper  
98 100  
100 66.2 51.9 77.9

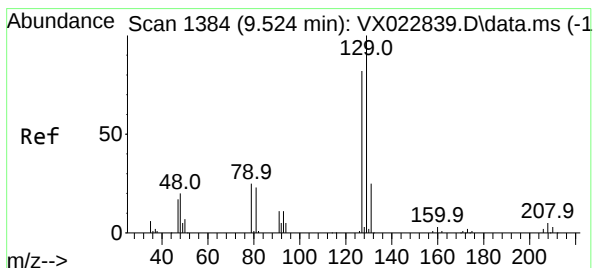
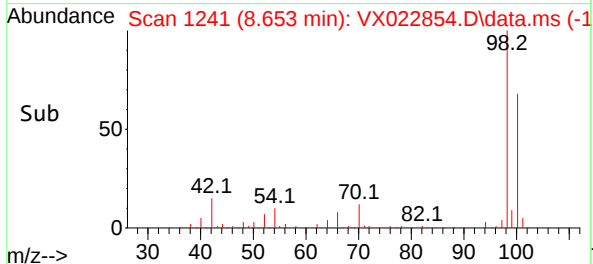
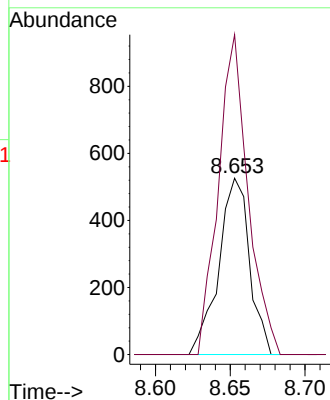
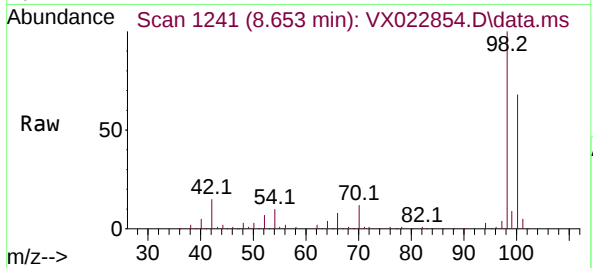




#51  
4-Methyl-2-Pentanone  
Concen: 0.558 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.073 min  
Lab File: VX022854.D  
Acq: 23 Jun 2021 20:52

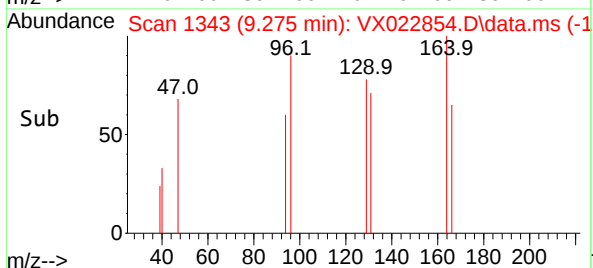
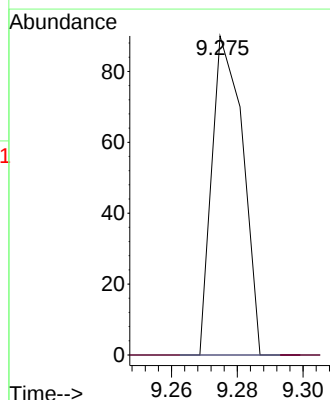
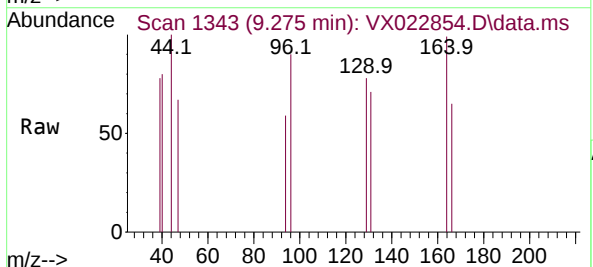
Instrument :  
MSVOA\_X  
ClientSampled :

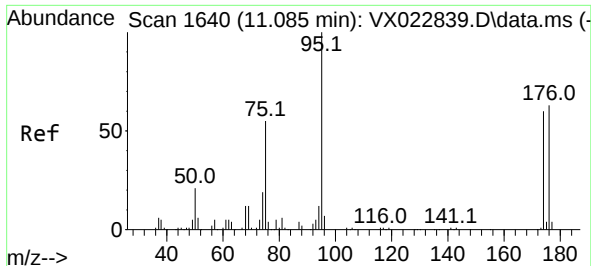
Tgt Ion: 43 Resp: 755  
Ion Ratio Lower Upper  
43 100  
58 174.4 35.4 53.0#



#60  
Dibromochloromethane  
Concen: 3.718 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.249 min  
Lab File: VX022854.D  
Acq: 23 Jun 2021 20:52

Tgt Ion: 129 Resp: 59  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.4 115.2#

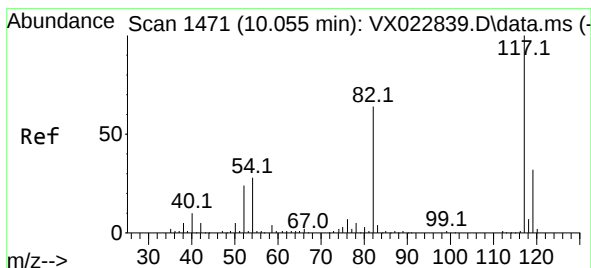
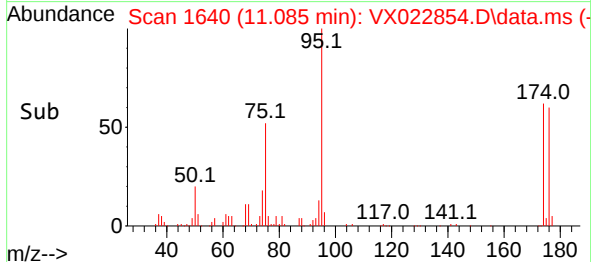
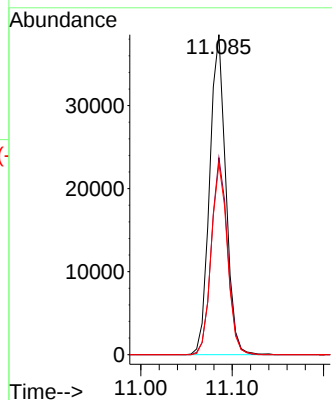
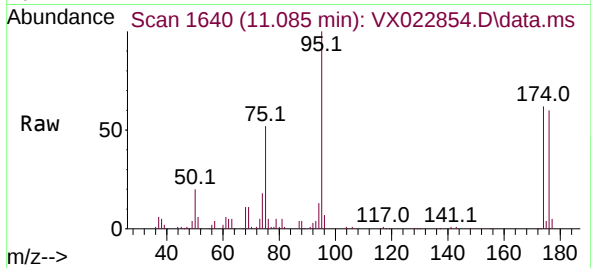




#62  
4-Bromofluorobenzene  
Concen: 46.183 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX022854.D  
Acq: 23 Jun 2021 20:52

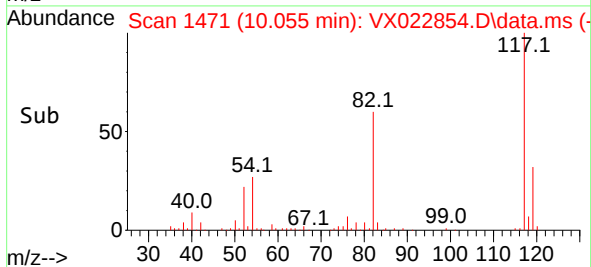
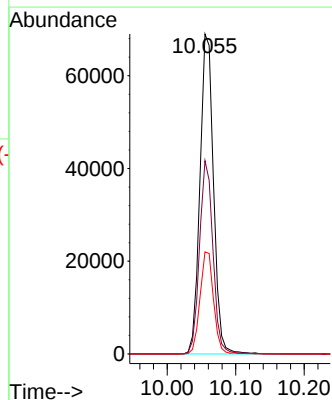
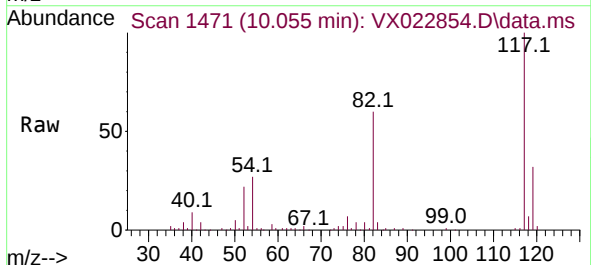
Instrument :  
MSVOA\_X  
ClientSampled :

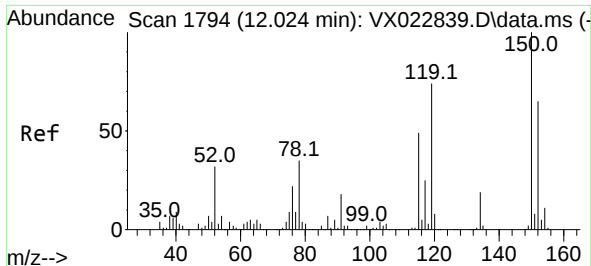
Tgt Ion: 95 Resp: 47128  
Ion Ratio Lower Upper  
95 100  
174 61.4 0.0 154.6  
176 59.7 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX022854.D  
Acq: 23 Jun 2021 20:52

Tgt Ion: 117 Resp: 95191  
Ion Ratio Lower Upper  
117 100  
82 60.4 47.4 71.2  
119 31.9 26.6 39.8

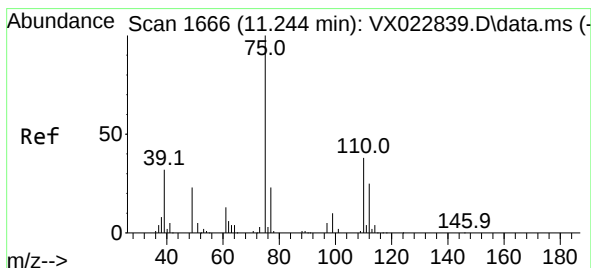
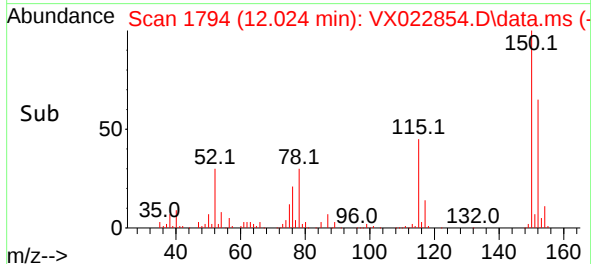
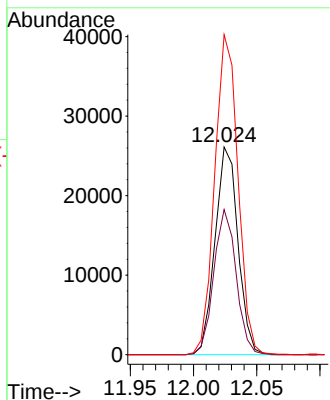
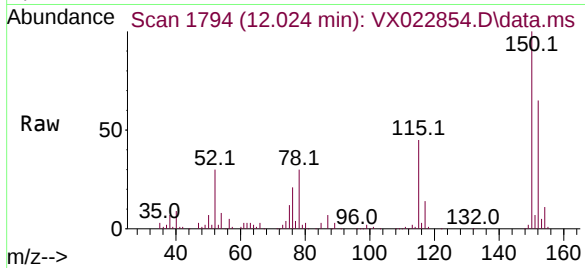




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. 0.000 min  
 Lab File: VX022854.D  
 Acq: 23 Jun 2021 20:52

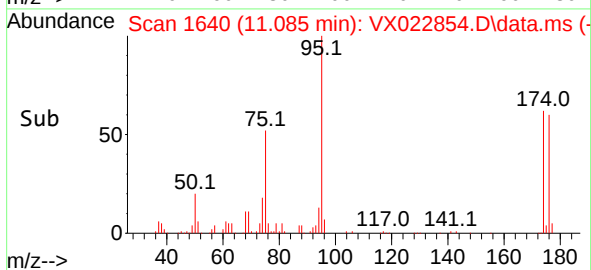
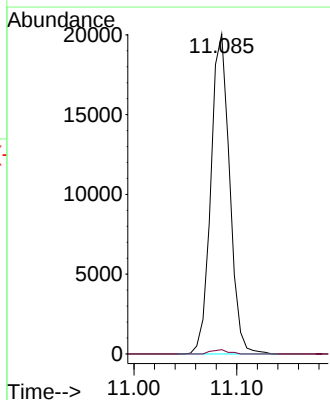
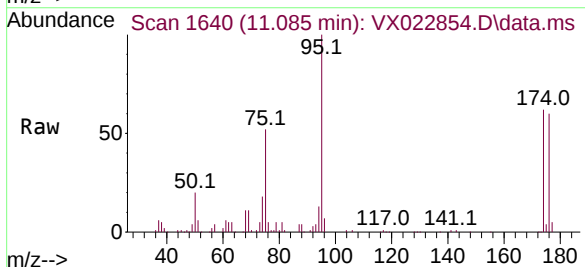
Instrument :  
 MSVOA\_X  
 ClientSampled :

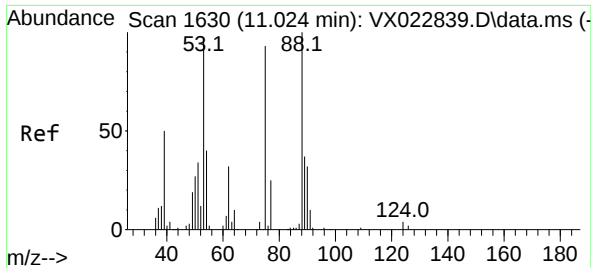
Tgt Ion:152 Resp: 32907  
 Ion Ratio Lower Upper  
 152 100  
 115 68.2 41.1 123.3  
 150 156.0 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 29.228 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. -0.159 min  
 Lab File: VX022854.D  
 Acq: 23 Jun 2021 20:52

Tgt Ion: 75 Resp: 25405  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 19.1 57.5#

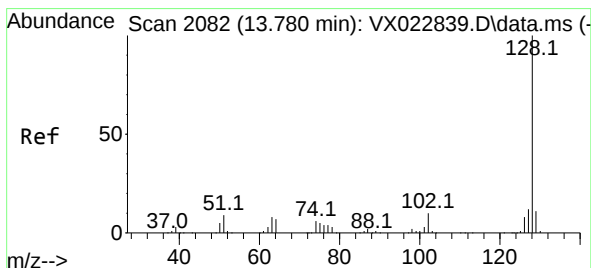
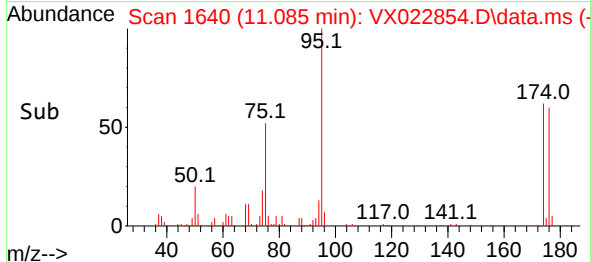
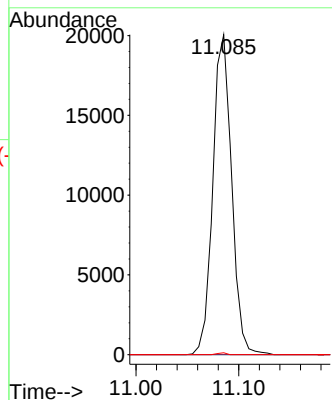
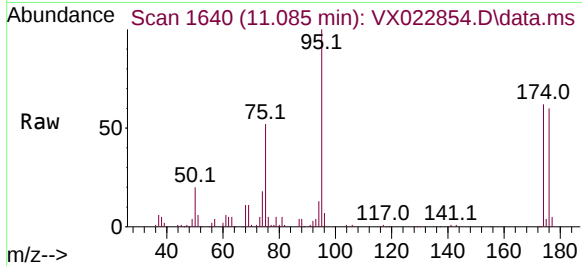




#81  
trans-1,4-Dichloro-2-butene  
Concen: 75.177 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX022854.D  
Acq: 23 Jun 2021 20:52

Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion: 75 Resp: 25405  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.3 37.9 56.9#



#95  
Naphthalene  
Concen: 1.934 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.000 min  
Lab File: VX022854.D  
Acq: 23 Jun 2021 20:52

Tgt Ion: 128 Resp: 31  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.8 13.2#

