

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX063022\  
 Data File : VX029903.D  
 Acq On : 30 Jun 2022 11:47  
 Operator : JC/MD  
 Sample : VX0630WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0630WBL01

Quant Time: Jul 01 04:47:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062822W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 29 05:54:51 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.556  | 168  | 216745   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.763  | 114  | 371209   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 313498   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 129766   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 118372   | 43.144   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 86.280% |
| 35) Dibromofluoromethane    | 5.391  | 113   | 107476   | 46.329   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 92.660% |
| 50) Toluene-d8              | 8.653  | 98    | 423349   | 48.645   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 97.280% |
| 62) 4-Bromofluorobenzene    | 11.085 | 95    | 135149   | 43.932   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 87.860% |

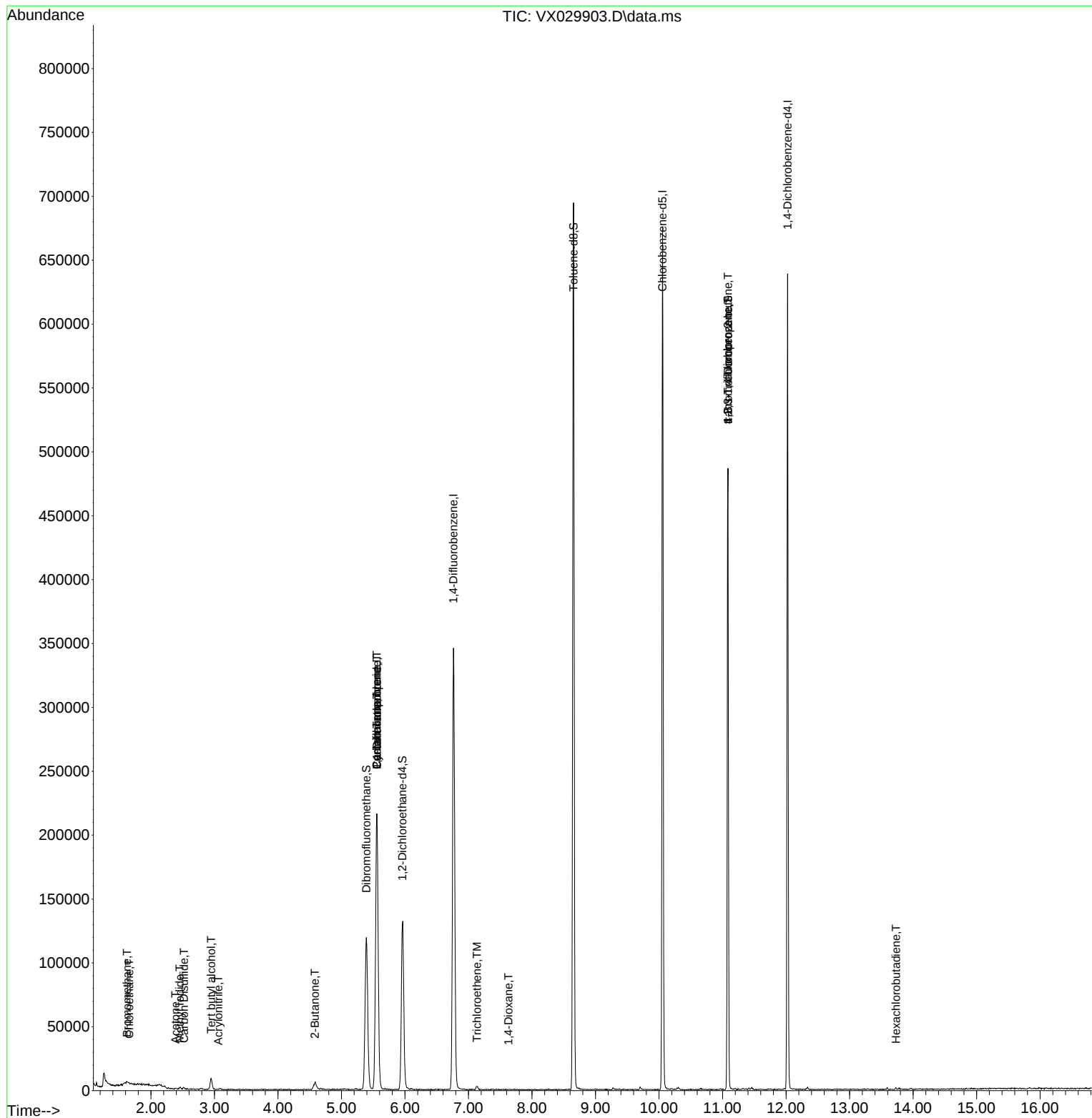
|                               |        |     |        |           |        |    |
|-------------------------------|--------|-----|--------|-----------|--------|----|
| Target Compounds              |        |     | Qvalue |           |        |    |
| 5) Bromomethane               | 1.624  | 94  | 495    | 0.371     | ug/l # | 42 |
| 6) Chloroethane               | 1.654  | 64  | 410    | 1.262     | ug/l   | 95 |
| 10) Methyl Iodide             | 2.453  | 142 | 1535   | 2.369     | ug/l   | 94 |
| 11) Tert butyl alcohol        | 2.947  | 59  | 5084   | 7.085     | ug/l # | 76 |
| 13) Acrolein                  | 2.227  | 56  | 31     | Below Cal | #      | 6  |
| 15) Acrylonitrile             | 3.062  | 53  | 345    | 0.206     | ug/l # | 69 |
| 16) Acetone                   | 2.386  | 43  | 948    | 0.706     | ug/l   | 89 |
| 17) Carbon Disulfide          | 2.520  | 76  | 1662   | 0.299     | ug/l   | 95 |
| 25) 2-Butanone                | 4.580  | 43  | 801    | 0.344     | ug/l # | 48 |
| 31) Cyclohexane               | 5.556  | 56  | 4532   | 1.185     | ug/l # | 1  |
| 36) 1,1-Dichloropropene       | 5.556  | 75  | 15652  | 5.073     | ug/l # | 48 |
| 38) Carbon Tetrachloride      | 5.556  | 117 | 20667  | 7.730     | ug/l # | 16 |
| 44) Trichloroethene           | 7.135  | 130 | 1066   | 0.397     | ug/l   | 96 |
| 49) 1,4-Dioxane               | 7.629  | 88  | 59     | 0.827     | ug/l # | 36 |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75  | 63770  | 20.528    | ug/l # | 38 |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75  | 63770  | 65.194    | ug/l # | 13 |
| 94) Hexachlorobutadiene       | 13.731 | 225 | 278    | 0.291     | ug/l # | 61 |

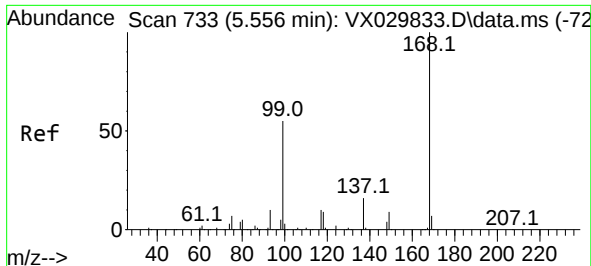
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX063022\  
Data File : VX029903.D  
Acq On : 30 Jun 2022 11:47  
Operator : JC/MD  
Sample : VX0630WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0630WBL01

Quant Time: Jul 01 04:47:07 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062822W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 29 05:54:51 2022  
Response via : Initial Calibration

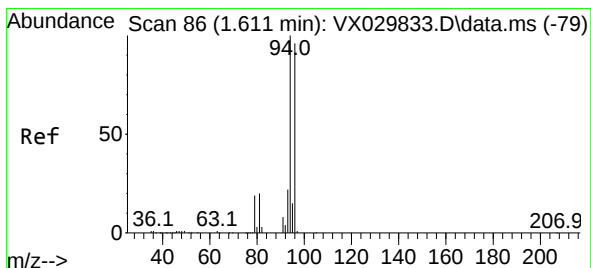
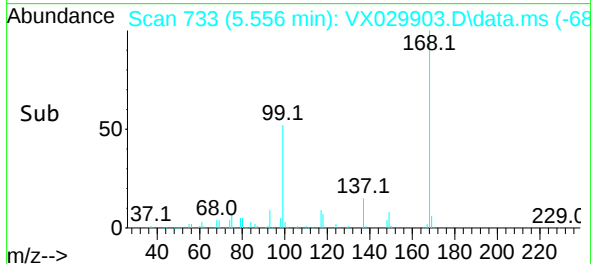
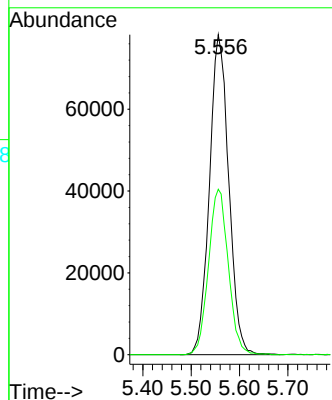
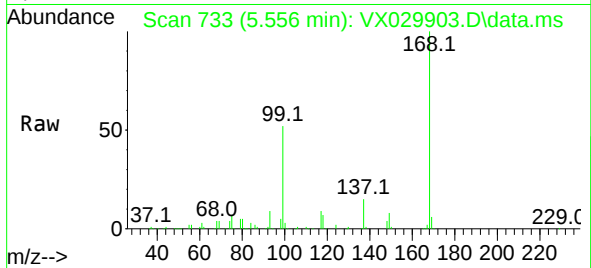




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX029903.D  
Acq: 30 Jun 2022 11:47

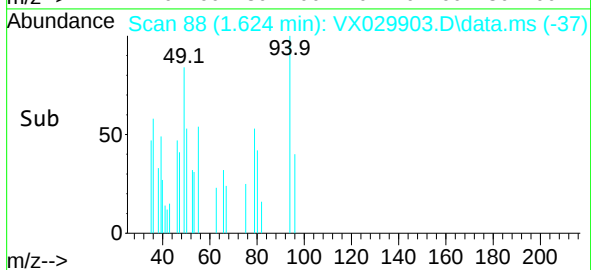
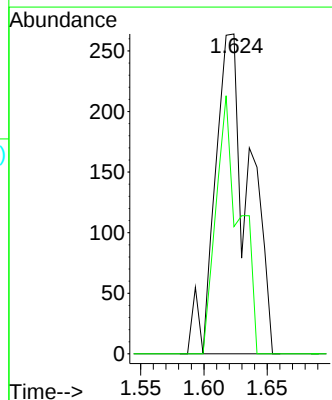
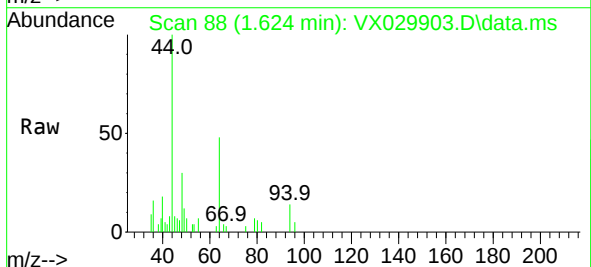
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0630WBL01

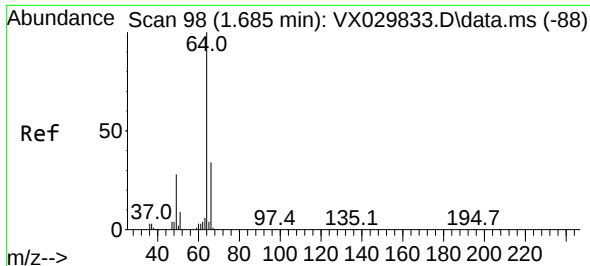
Tgt Ion:168 Resp: 216745  
Ion Ratio Lower Upper  
168 100  
99 51.7 44.0 66.0



#5  
Bromomethane  
Concen: 0.371 ug/l  
RT: 1.624 min Scan# 88  
Delta R.T. 0.012 min  
Lab File: VX029903.D  
Acq: 30 Jun 2022 11:47

Tgt Ion: 94 Resp: 495  
Ion Ratio Lower Upper  
94 100  
96 39.8 76.9 115.3#

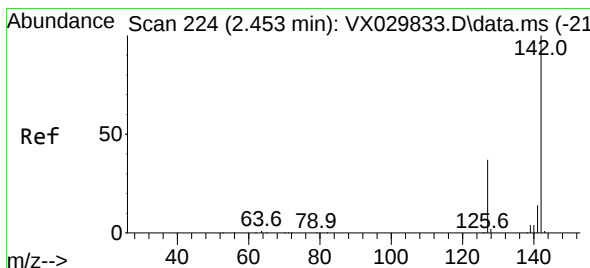
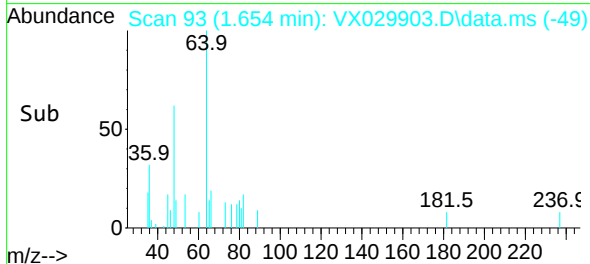
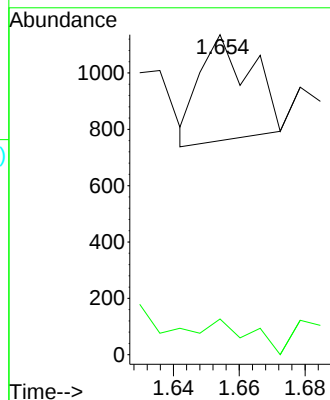
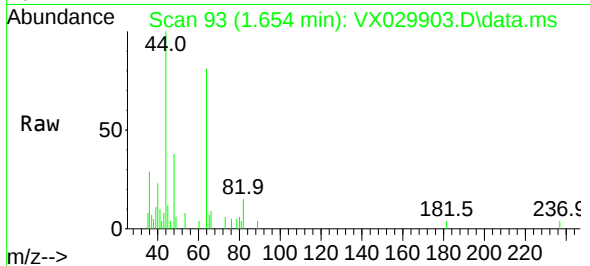




#6  
Chloroethane  
Concen: 1.262 ug/l  
RT: 1.654 min Scan# 91  
Delta R.T. -0.031 min  
Lab File: VX029903.D  
Acq: 30 Jun 2022 11:47

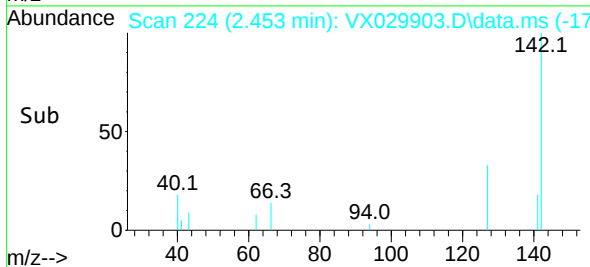
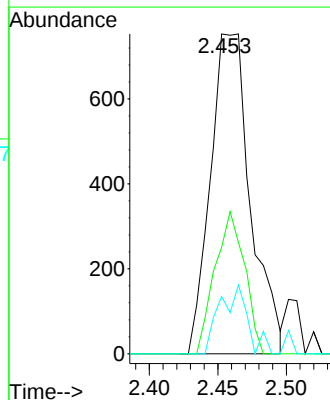
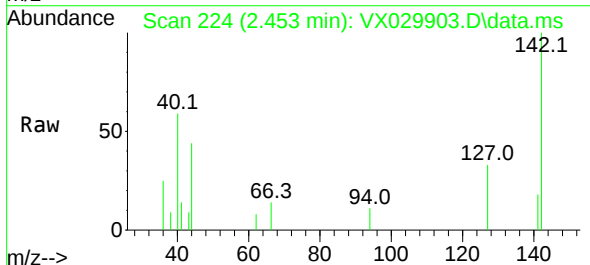
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0630WBL01

Tgt Ion: 64 Resp: 410  
Ion Ratio Lower Upper  
64 100  
66 37.0 27.2 40.8



#10  
Methyl Iodide  
Concen: 2.369 ug/l  
RT: 2.453 min Scan# 224  
Delta R.T. -0.000 min  
Lab File: VX029903.D  
Acq: 30 Jun 2022 11:47

Tgt Ion: 142 Resp: 1535  
Ion Ratio Lower Upper  
142 100  
127 32.9 30.2 45.2  
141 14.9 11.3 16.9





#11

Tert butyl alcohol

Concen: 7.085 ug/l

RT: 2.947 min Scan# 30

Delta R.T. -0.049 min

Lab File: VX029903.D

Acq: 30 Jun 2022 11:47

Instrument :

MSVOA\_X

ClientSampleId :

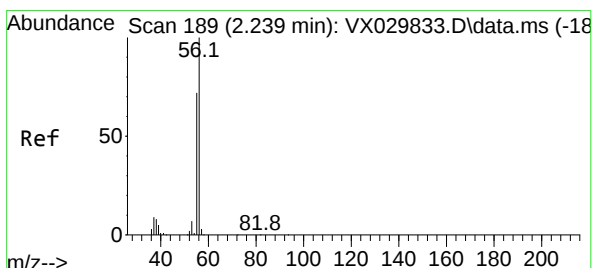
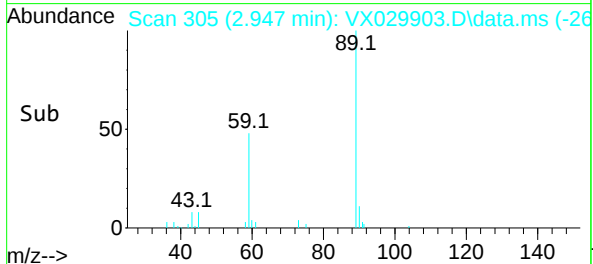
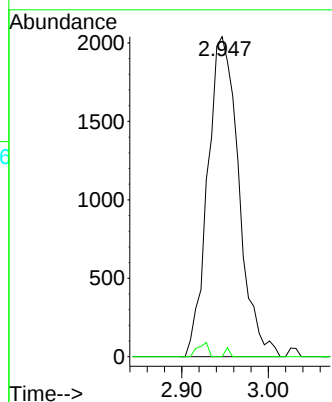
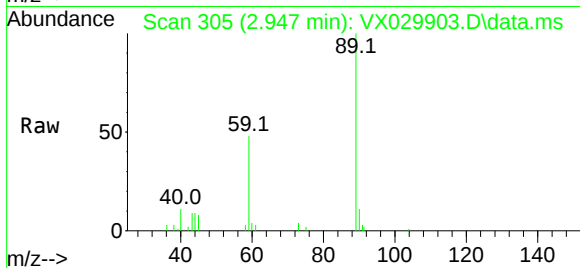
VX0630WBL01

Tgt Ion: 59 Resp: 5084

Ion Ratio Lower Upper

59 100

57 0.4 7.4 11.2#



#13

Acrolein

Concen: Below Cal

RT: 2.227 min Scan# 187

Delta R.T. -0.012 min

Lab File: VX029903.D

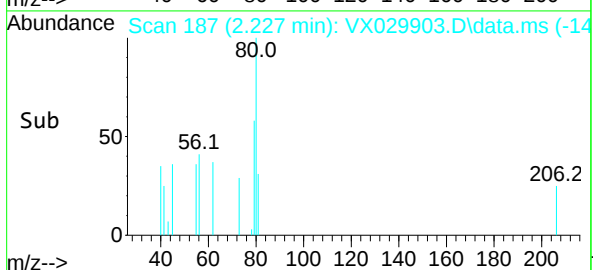
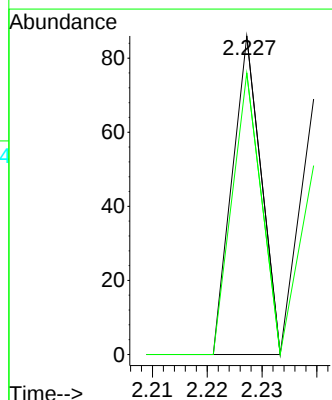
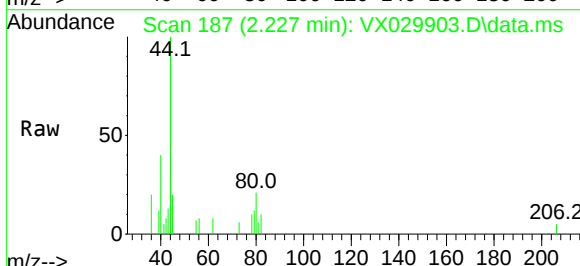
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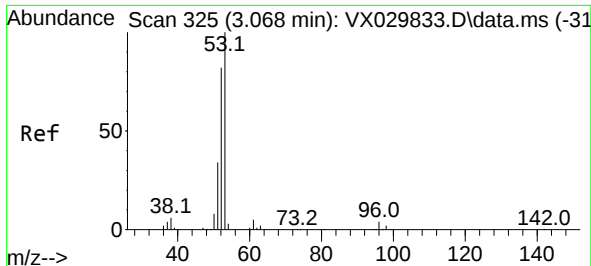
Tgt Ion: 56 Resp: 31

Ion Ratio Lower Upper

56 100

55 148.4 56.6 84.8#

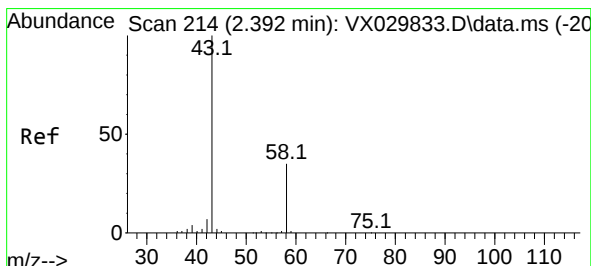
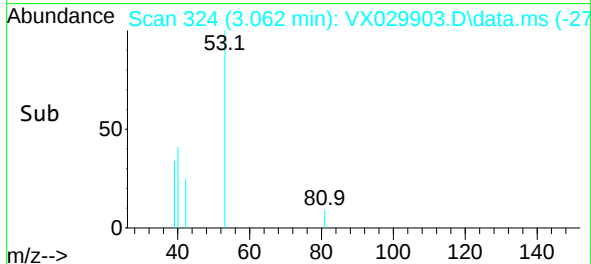
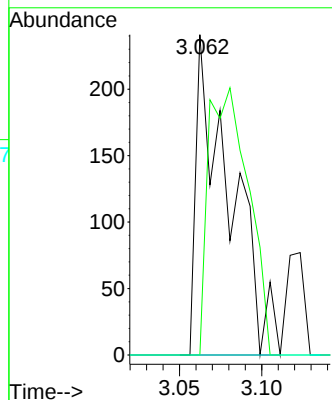
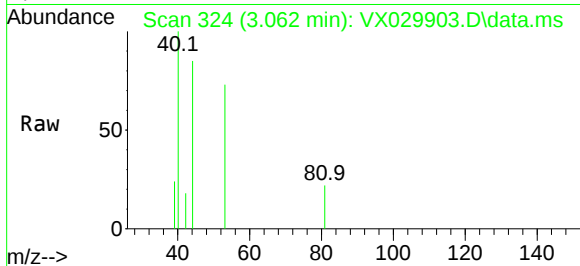




#15  
Acrylonitrile  
Concen: 0.206 ug/l  
RT: 3.062 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VX029903.D  
Acq: 30 Jun 2022 11:47

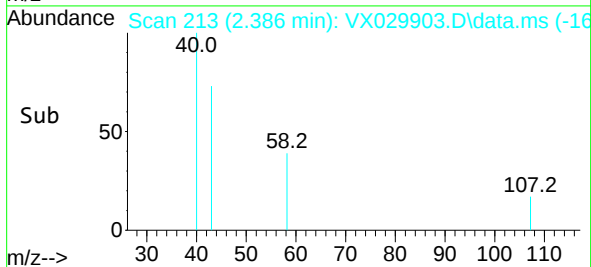
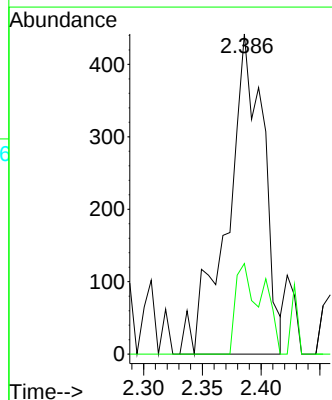
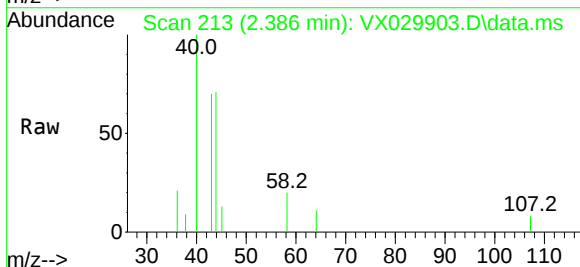
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0630WBL01

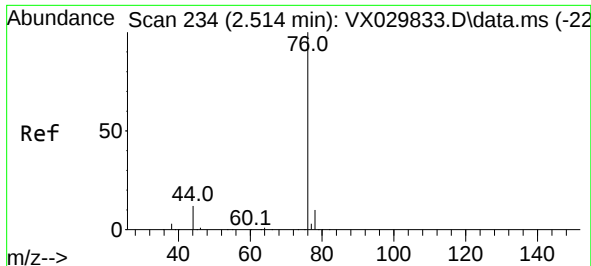
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 98.6  | 65.4  | 98.0# |
| 51      | 0.0   | 27.7  | 41.5# |



#16  
Acetone  
Concen: 0.706 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX029903.D  
Acq: 30 Jun 2022 11:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 28.3  | 27.7  | 41.5  |

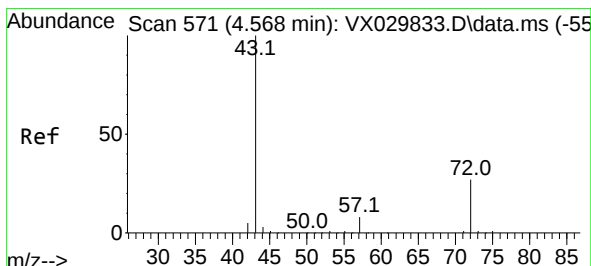
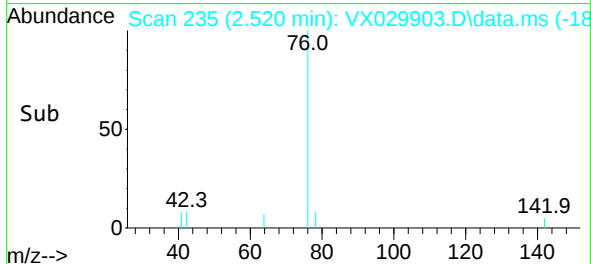
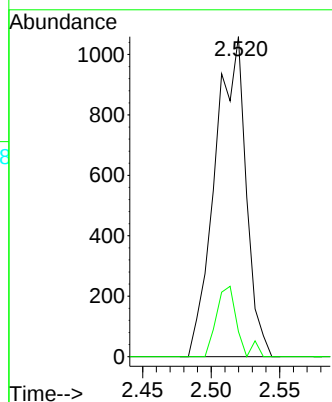
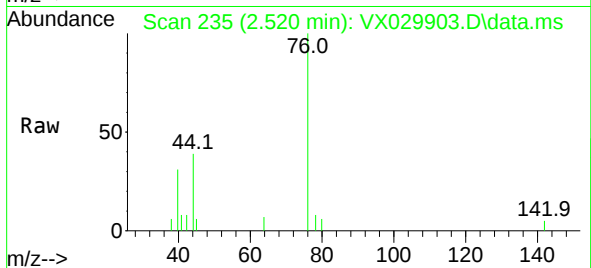




#17  
Carbon Disulfide  
Concen: 0.299 ug/l  
RT: 2.520 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX029903.D  
Acq: 30 Jun 2022 11:47

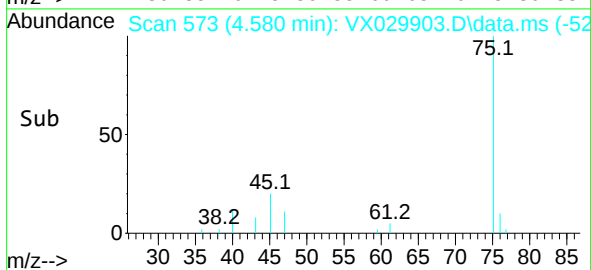
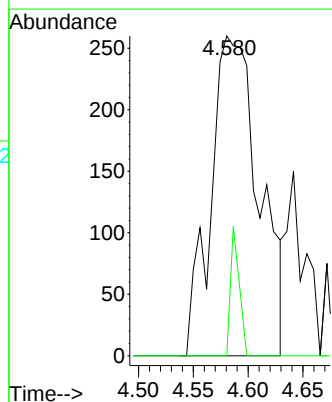
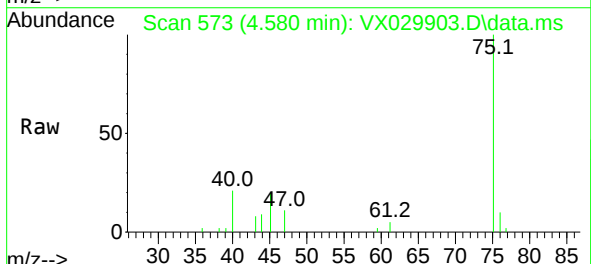
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0630WBL01

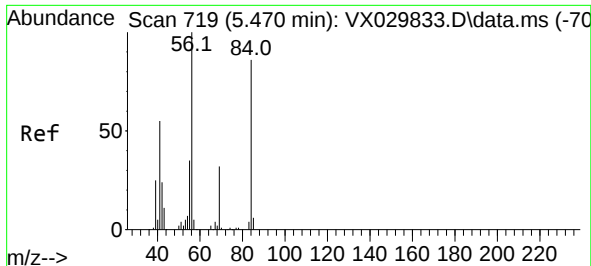
Tgt Ion: 76 Resp: 1662  
Ion Ratio Lower Upper  
76 100  
78 7.8 7.8 11.6



#25  
2-Butanone  
Concen: 0.344 ug/l  
RT: 4.580 min Scan# 573  
Delta R.T. 0.012 min  
Lab File: VX029903.D  
Acq: 30 Jun 2022 11:47

Tgt Ion: 43 Resp: 801  
Ion Ratio Lower Upper  
43 100  
72 0.0 21.7 32.5#

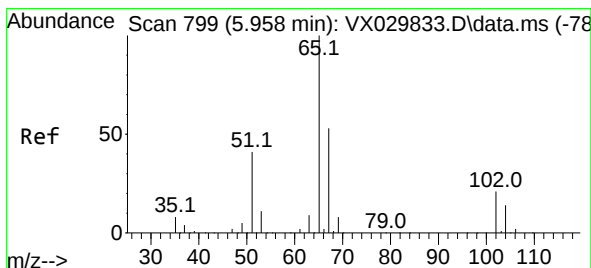
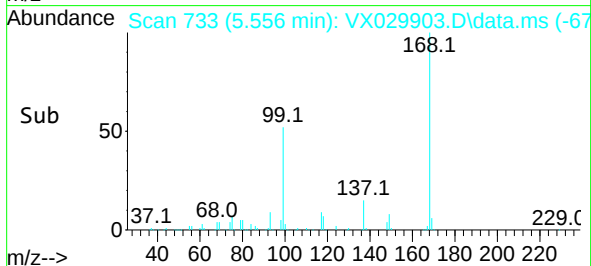
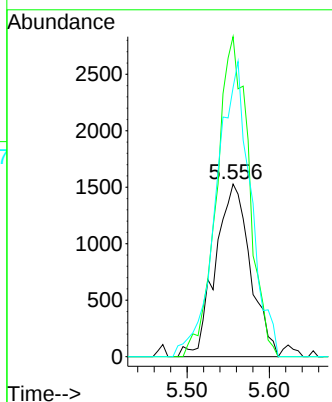
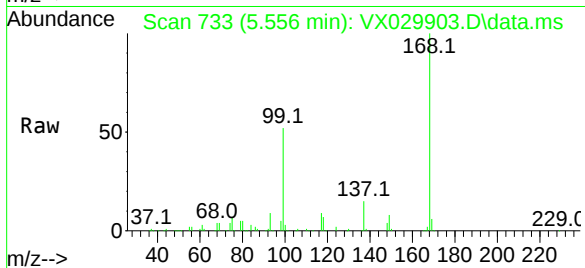




#31  
Cyclohexane  
Concen: 1.185 ug/l  
RT: 5.556 min Scan# 719  
Delta R.T. 0.085 min  
Lab File: VX029903.D  
Acq: 30 Jun 2022 11:47

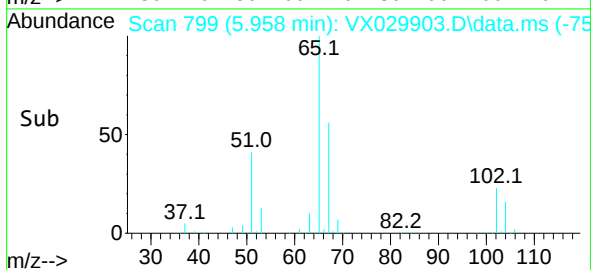
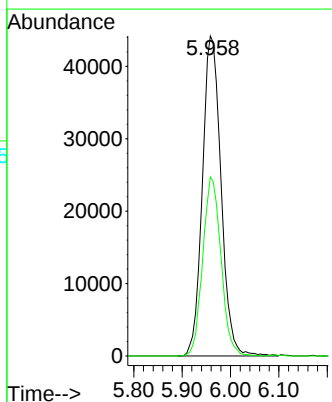
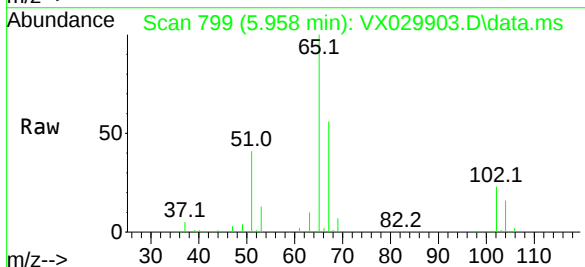
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0630WBL01

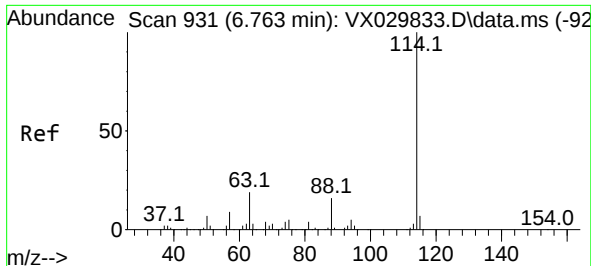
Tgt Ion: 56 Resp: 4532  
Ion Ratio Lower Upper  
56 100  
69 185.4 25.4 38.0#  
84 155.9 68.9 103.3#



#33  
1,2-Dichloroethane-d4  
Concen: 43.144 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX029903.D  
Acq: 30 Jun 2022 11:47

Tgt Ion: 65 Resp: 118372  
Ion Ratio Lower Upper  
65 100  
67 54.8 0.0 109.6

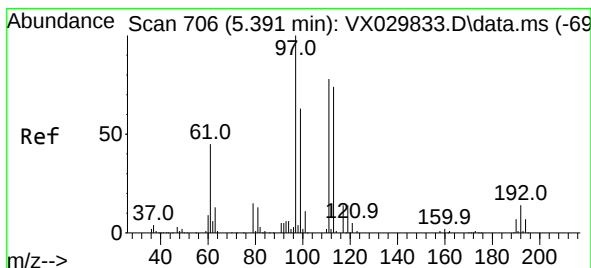
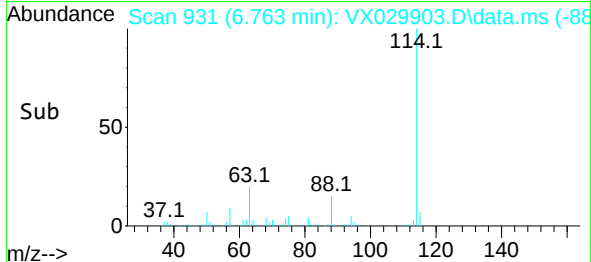
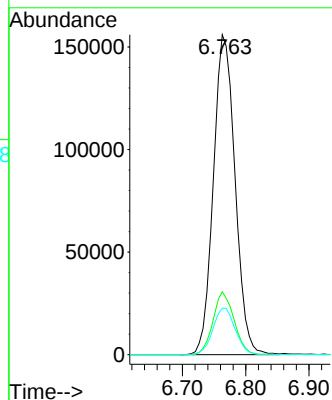
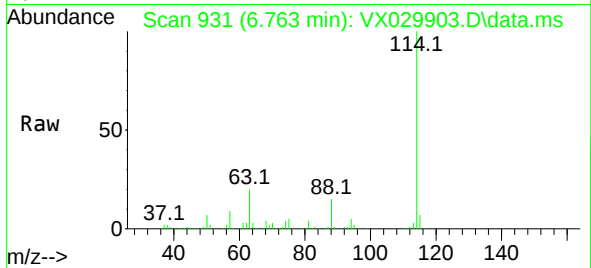




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX029903.D  
Acq: 30 Jun 2022 11:47

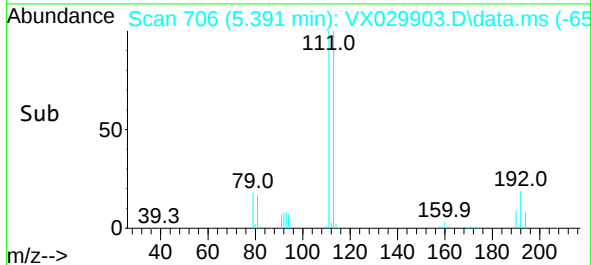
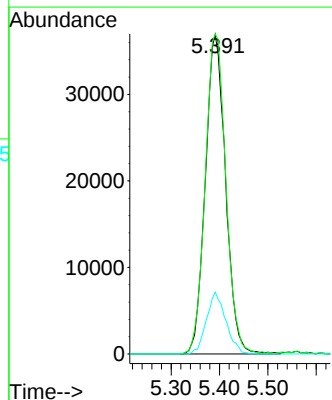
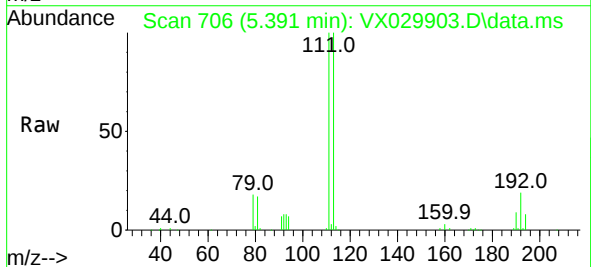
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0630WBL01

Tgt Ion:114 Resp: 371209  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 38.4  
88 14.5 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 46.329 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX029903.D  
Acq: 30 Jun 2022 11:47

Tgt Ion:113 Resp: 107476  
Ion Ratio Lower Upper  
113 100  
111 101.9 83.2 124.8  
192 18.5 14.8 22.2

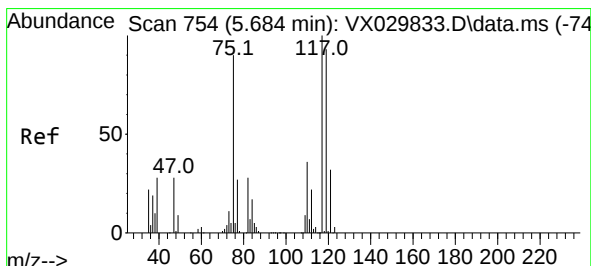
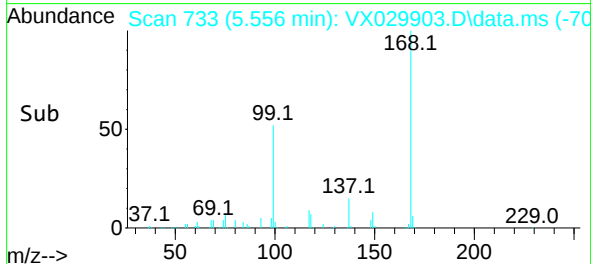
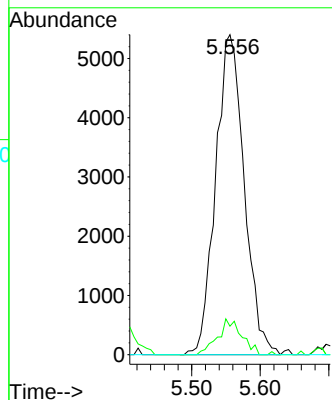
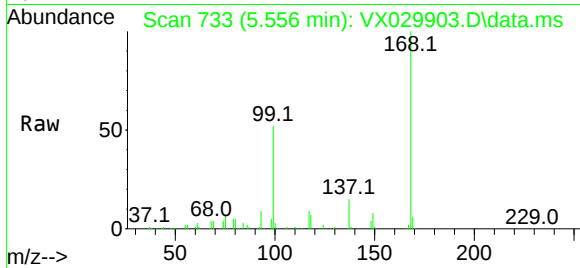




#36  
1,1-Dichloropropene  
Concen: 5.073 ug/l  
RT: 5.556 min Scan# 711  
Delta R.T. -0.140 min  
Lab File: VX029903.D  
Acq: 30 Jun 2022 11:47

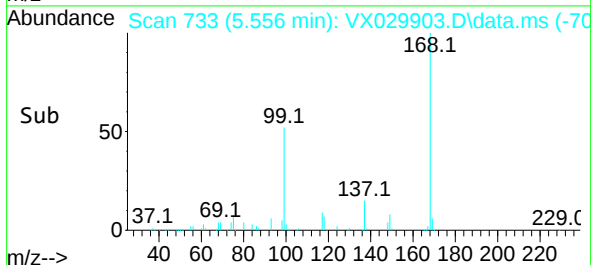
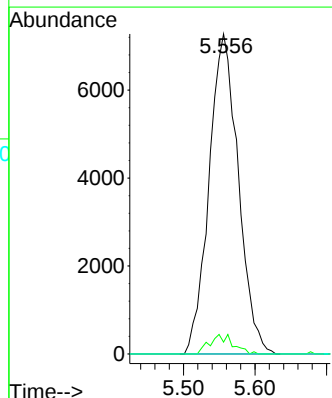
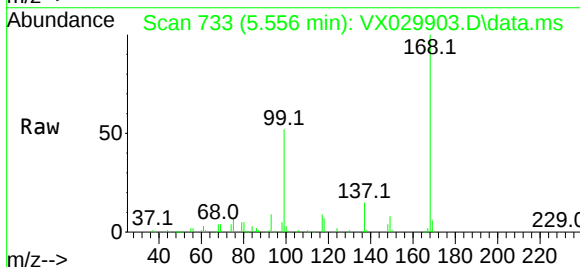
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0630WBL01

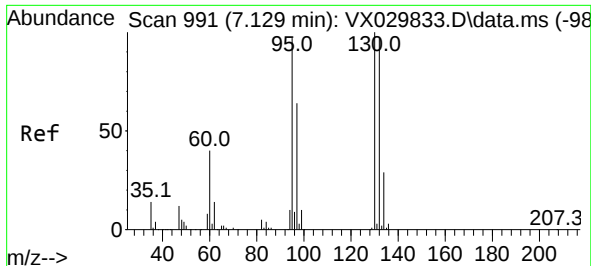
Tgt Ion: 75 Resp: 15652  
Ion Ratio Lower Upper  
75 100  
110 9.3 19.3 57.9#  
77 0.0 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 7.730 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.128 min  
Lab File: VX029903.D  
Acq: 30 Jun 2022 11:47

Tgt Ion: 117 Resp: 20667  
Ion Ratio Lower Upper  
117 100  
119 3.7 74.1 111.1#  
121 0.0 25.8 38.8#

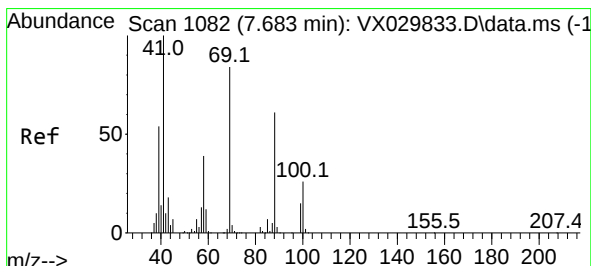
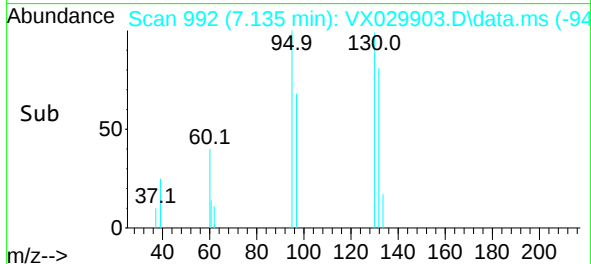
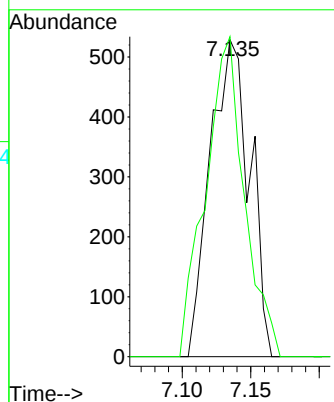
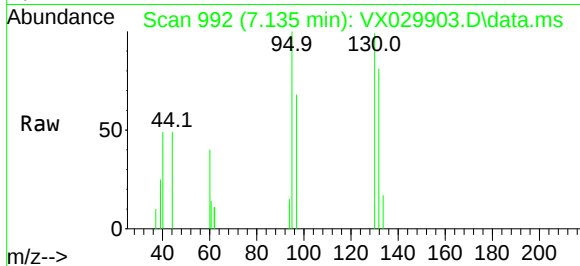




#44  
Trichloroethene  
Concen: 0.397 ug/l  
RT: 7.135 min Scan# 991  
Delta R.T. 0.006 min  
Lab File: VX029903.D  
Acq: 30 Jun 2022 11:47

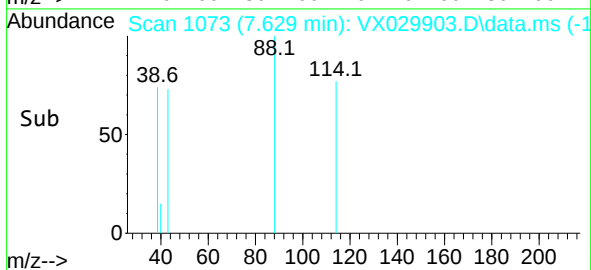
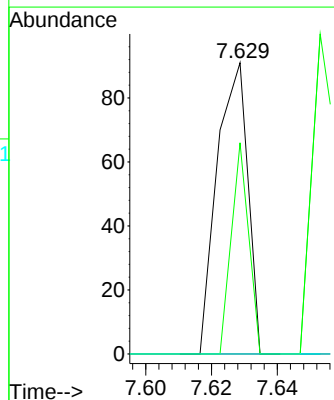
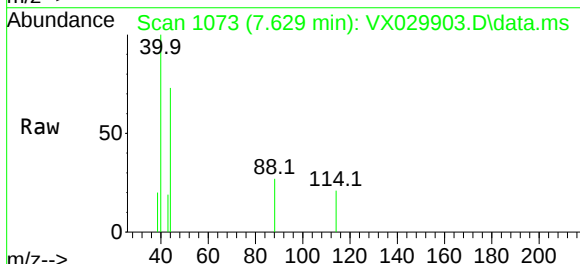
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0630WBL01

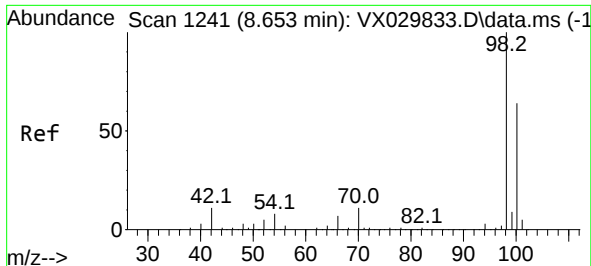
Tgt Ion:130 Resp: 1066  
Ion Ratio Lower Upper  
130 100  
95 100.9 0.0 194.8



#49  
1,4-Dioxane  
Concen: 0.827 ug/l  
RT: 7.629 min Scan# 1073  
Delta R.T. -0.055 min  
Lab File: VX029903.D  
Acq: 30 Jun 2022 11:47

Tgt Ion: 88 Resp: 59  
Ion Ratio Lower Upper  
88 100  
43 40.7 23.8 35.8#  
58 0.0 53.8 80.6#

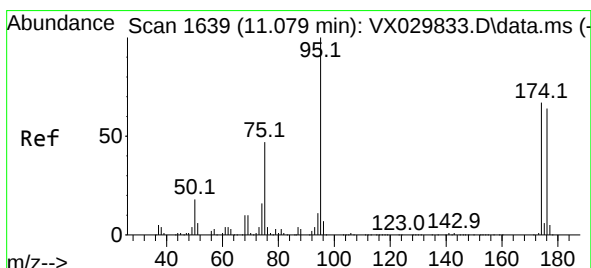
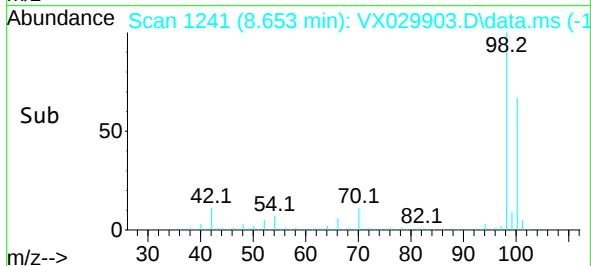
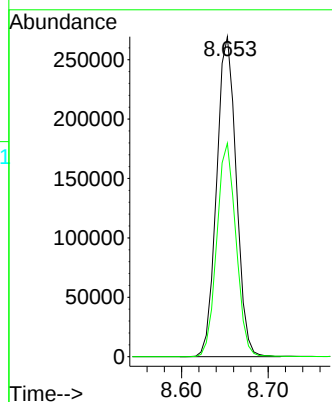
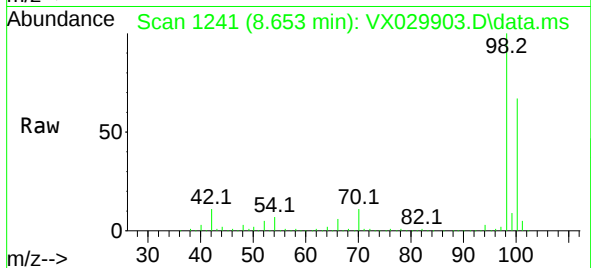




#50  
Toluene-d8  
Concen: 48.645 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX029903.D  
Acq: 30 Jun 2022 11:47

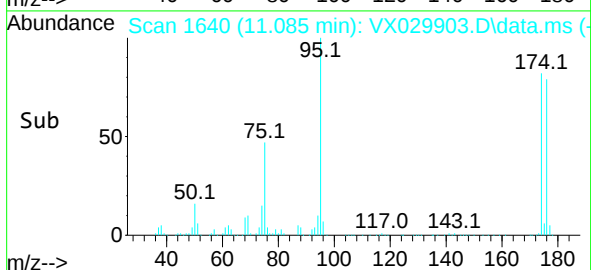
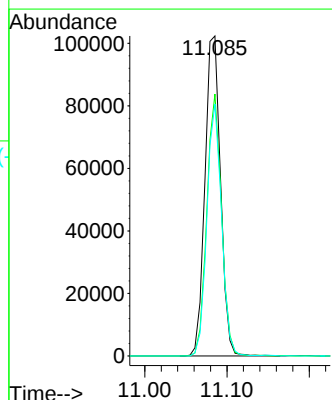
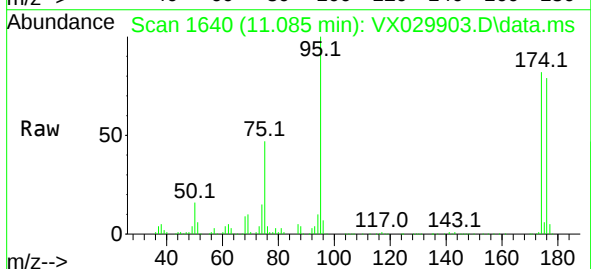
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0630WBL01

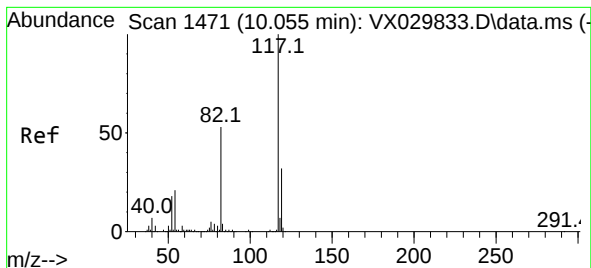
Tgt Ion: 98 Resp: 423349  
Ion Ratio Lower Upper  
98 100  
100 65.4 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 43.932 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.006 min  
Lab File: VX029903.D  
Acq: 30 Jun 2022 11:47

Tgt Ion: 95 Resp: 135149  
Ion Ratio Lower Upper  
95 100  
174 77.0 0.0 149.0  
176 73.9 0.0 146.0

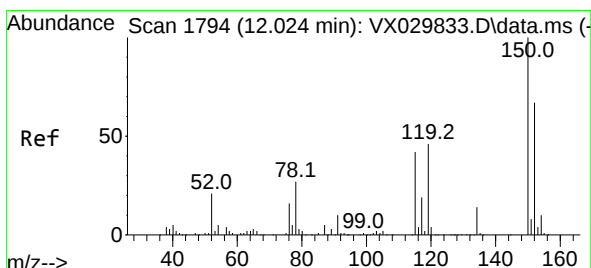
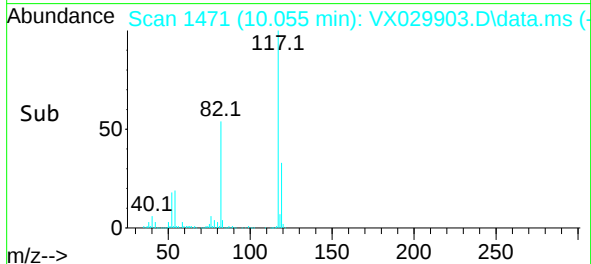
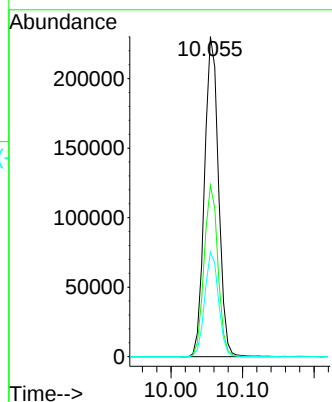
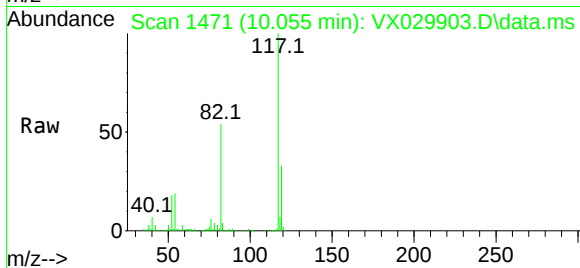




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX029903.D  
Acq: 30 Jun 2022 11:47

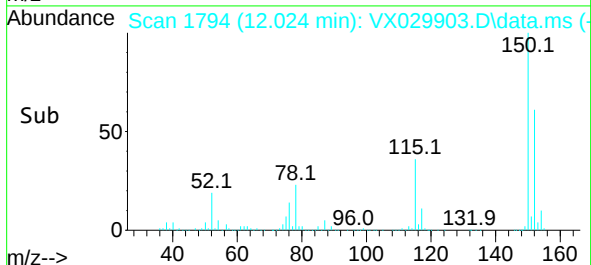
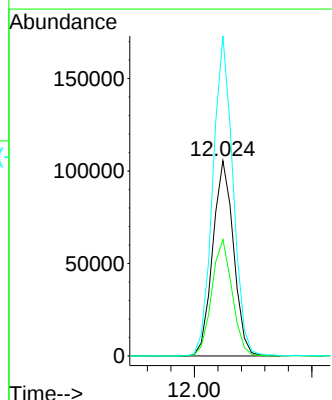
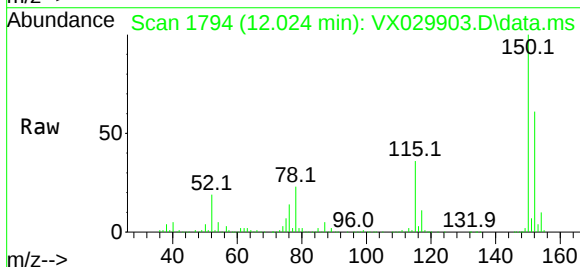
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0630WBL01

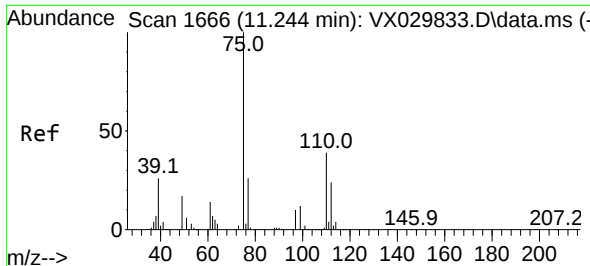
Tgt Ion:117 Resp: 313498  
Ion Ratio Lower Upper  
117 100  
82 53.5 42.7 64.1  
119 32.7 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX029903.D  
Acq: 30 Jun 2022 11:47

Tgt Ion:152 Resp: 129766  
Ion Ratio Lower Upper  
152 100  
115 58.7 40.5 121.5  
150 158.7 0.0 347.0

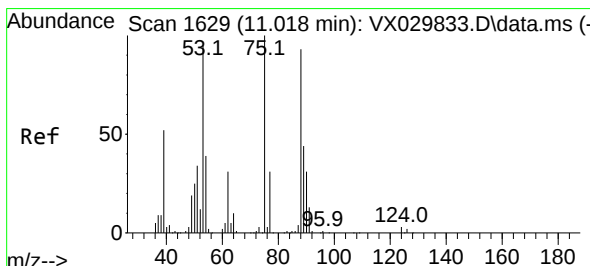
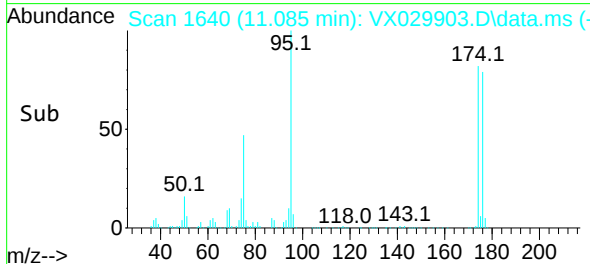
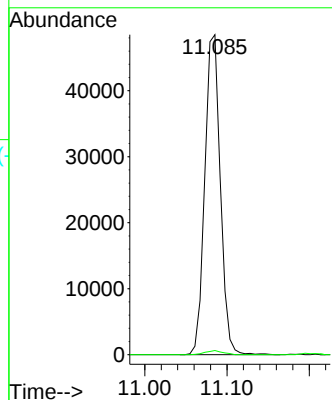
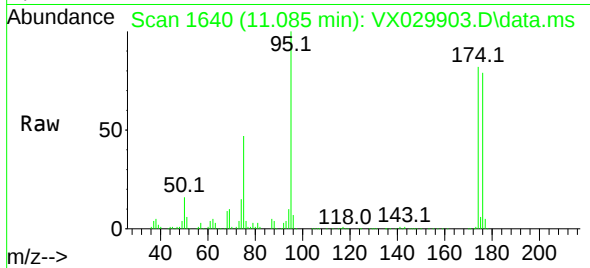




#76  
1,2,3-Trichloropropane  
Concen: 20.528 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.158 min  
Lab File: VX029903.D  
Acq: 30 Jun 2022 11:47

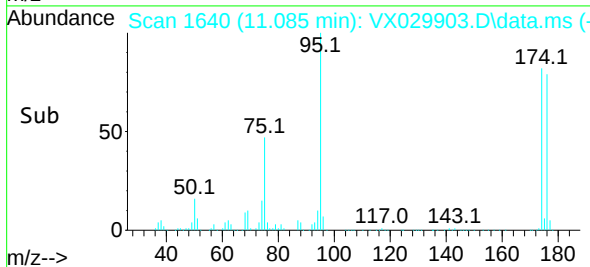
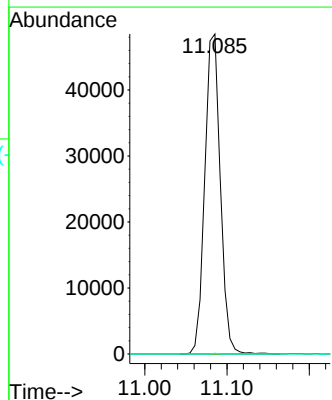
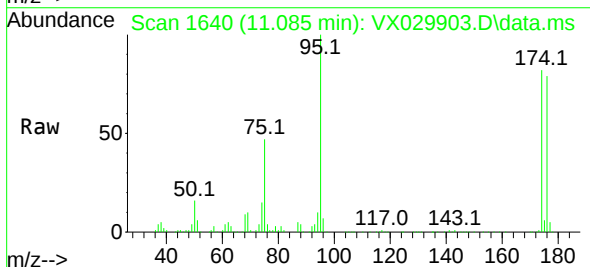
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0630WBL01

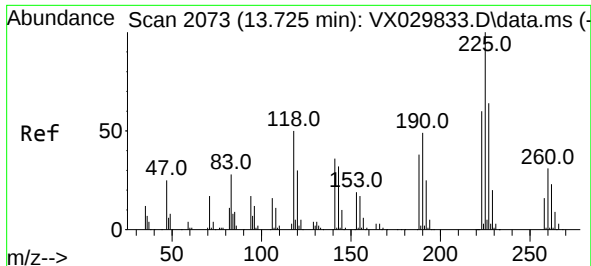
Tgt Ion: 75 Resp: 63770  
Ion Ratio Lower Upper  
75 100  
77 1.5 19.8 59.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 65.194 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.067 min  
Lab File: VX029903.D  
Acq: 30 Jun 2022 11:47

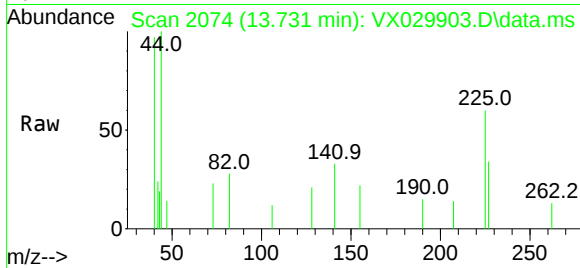
Tgt Ion: 75 Resp: 63770  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.2 111.4#  
89 0.1 34.8 52.2#





#94  
 Hexachlorobutadiene  
 Concen: 0.291 ug/l  
 RT: 13.731 min Scan# 2074  
 Delta R.T. 0.006 min  
 Lab File: VX029903.D  
 Acq: 30 Jun 2022 11:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0630WBL01



Tgt Ion:225 Resp: 278  
 Ion Ratio Lower Upper  
 225 100  
 223 0.0 30.6 91.6#  
 227 64.4 31.9 95.9

