

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX083122\  
 Data File : VX030984.D  
 Acq On : 31 Aug 2022 17:31  
 Operator : JC/MD  
 Sample : N4381-15  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-49

Quant Time: Sep 06 02:20:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X083022W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 30 14:24:53 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.556  | 168  | 204214   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.763  | 114  | 351893   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 297690   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 138227   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 5.964  | 65    | 137309   | 46.879   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 93.760% |
| 35) Dibromofluoromethane    | 5.391  | 113   | 125715   | 48.464   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 96.920% |
| 50) Toluene-d8              | 8.653  | 98    | 467207   | 48.635   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 97.260% |
| 62) 4-Bromofluorobenzene    | 11.085 | 95    | 152787   | 44.663   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 89.320% |

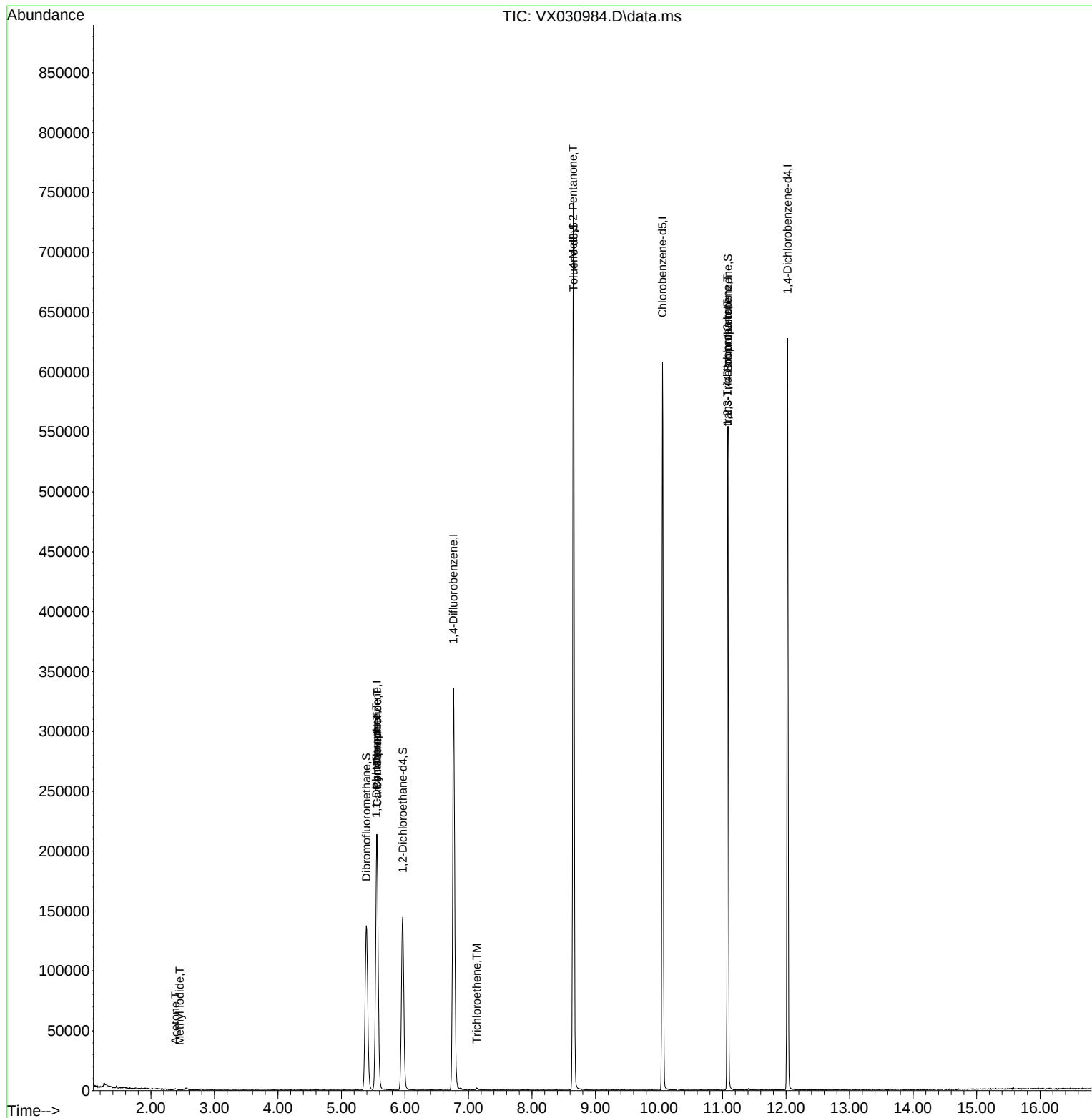
| Target Compounds              | R.T.   | QIon | Response | Conc      | Units  | Qvalue |
|-------------------------------|--------|------|----------|-----------|--------|--------|
| 5) Bromomethane               | 1.618  | 94   | 274      | Below Cal | #      | 2      |
| 10) Methyl Iodide             | 2.453  | 142  | 93       | 4.413     | ug/l # | 45     |
| 16) Acetone                   | 2.386  | 43   | 1186     | 0.897     | ug/l   | 91     |
| 31) Cyclohexane               | 5.556  | 56   | 3468     | 0.800     | ug/l # | 1      |
| 36) 1,1-Dichloropropene       | 5.550  | 75   | 14544    | 3.772     | ug/l # | 50     |
| 38) Carbon Tetrachloride      | 5.562  | 117  | 19967    | 5.440     | ug/l # | 18     |
| 44) Trichloroethene           | 7.129  | 130  | 768      | 0.235     | ug/l   | 36     |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43   | 1817     | 0.438     | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75   | 71315    | 20.957    | ug/l # | 38     |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75   | 71315    | 62.307    | ug/l # | 13     |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X083022W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 30 14:24:53 2022  
Response via : Initial Calibration

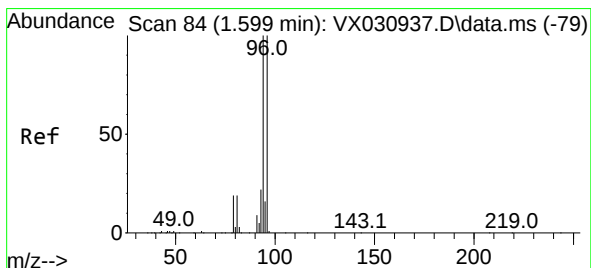
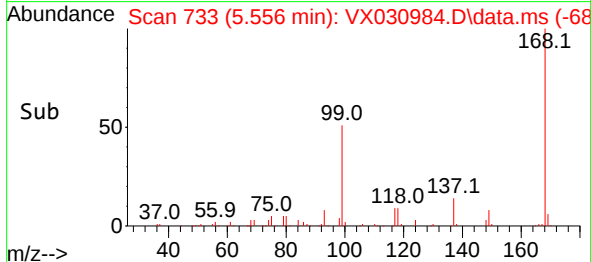
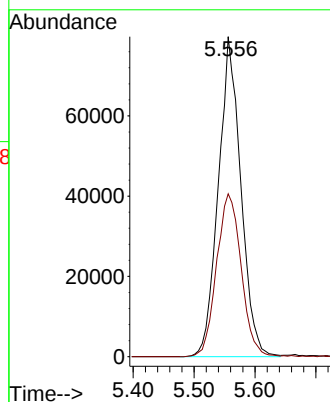
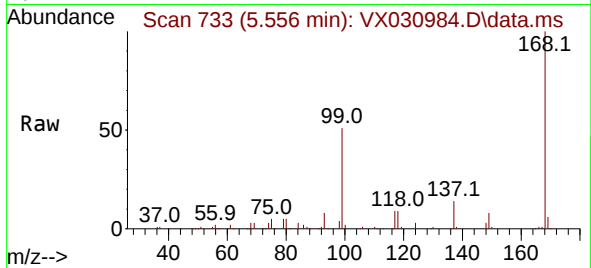




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX030984.D  
Acq: 31 Aug 2022 17:31

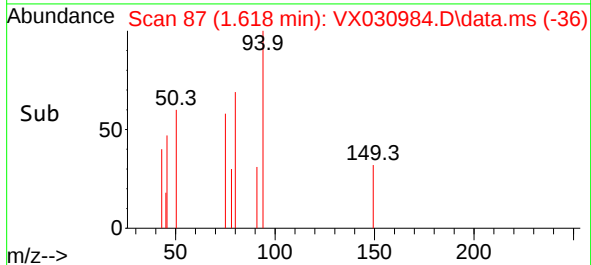
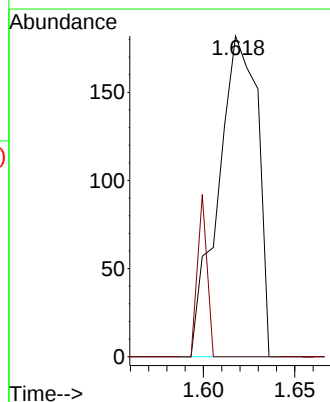
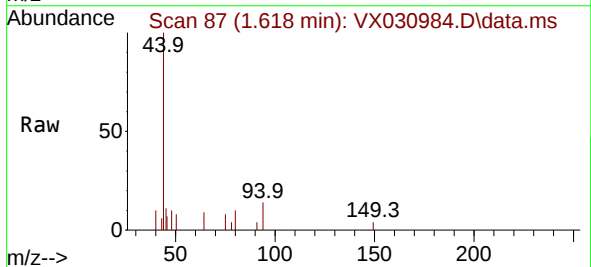
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-49

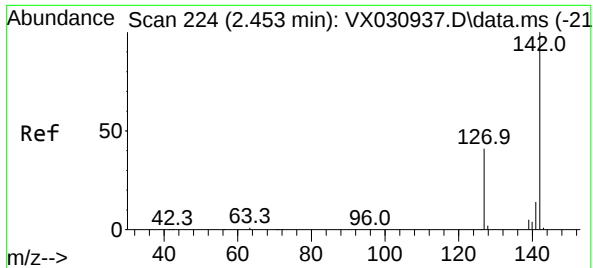
Tgt Ion:168 Resp: 204214  
Ion Ratio Lower Upper  
168 100  
99 50.9 44.0 66.0



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.618 min Scan# 87  
Delta R.T. 0.013 min  
Lab File: VX030984.D  
Acq: 31 Aug 2022 17:31

Tgt Ion: 94 Resp: 274  
Ion Ratio Lower Upper  
94 100  
96 0.0 76.9 115.3#

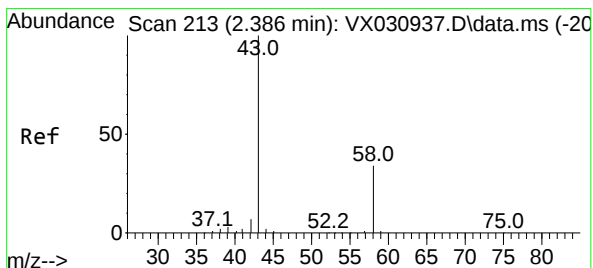
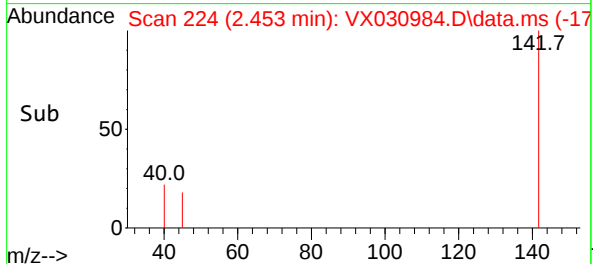
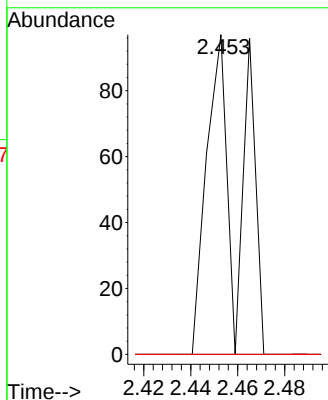
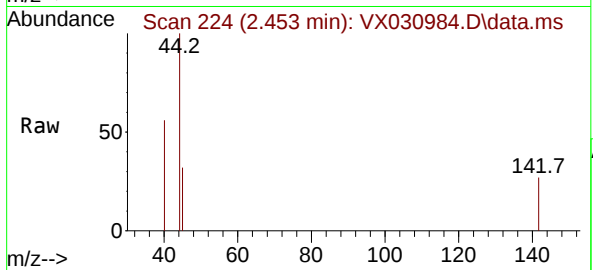




#10  
Methyl Iodide  
Concen: 4.413 ug/l  
RT: 2.453 min Scan# 210  
Delta R.T. -0.000 min  
Lab File: VX030984.D  
Acq: 31 Aug 2022 17:31

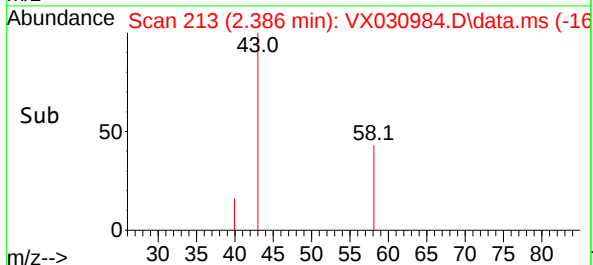
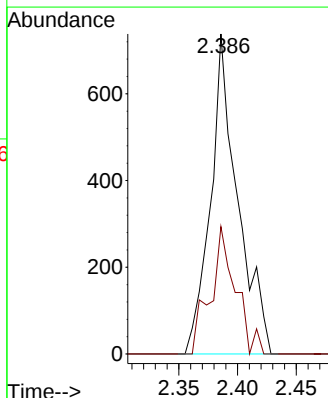
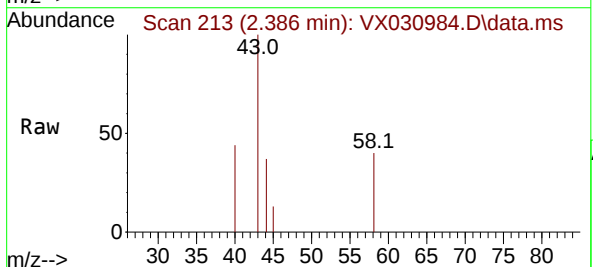
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-49

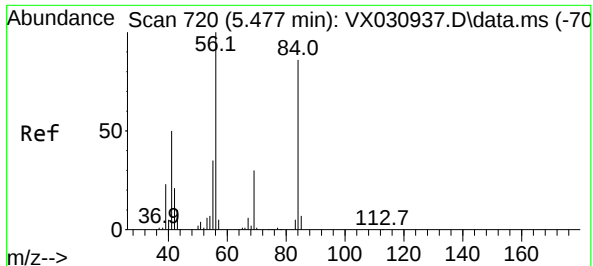
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 93    |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 0.0   | 30.2  | 45.2# |
| 141      | 0.0   | 11.3  | 16.9# |



#16  
Acetone  
Concen: 0.897 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VX030984.D  
Acq: 31 Aug 2022 17:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 1186  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 39.8  | 27.7  | 41.5  |

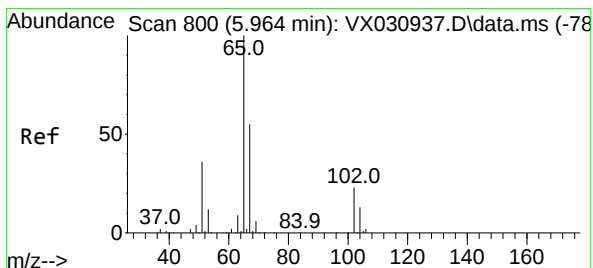
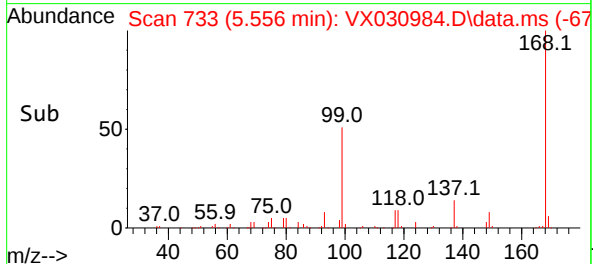
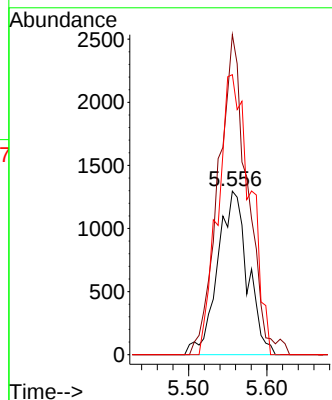
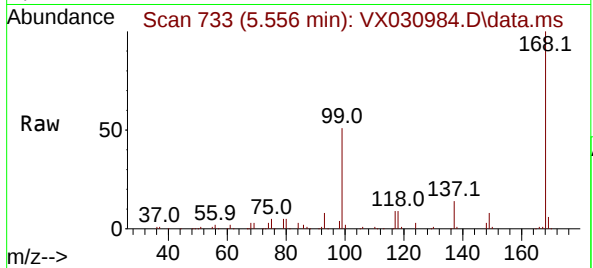




#31  
Cyclohexane  
Concen: 0.800 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.079 min  
Lab File: VX030984.D  
Acq: 31 Aug 2022 17:31

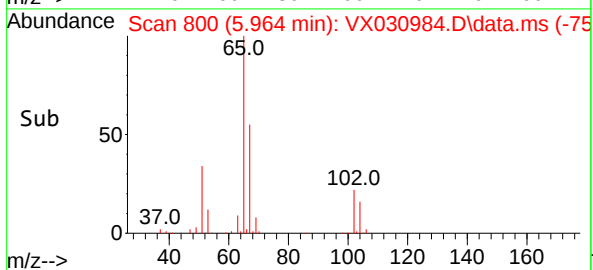
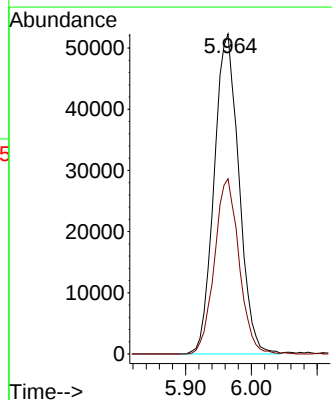
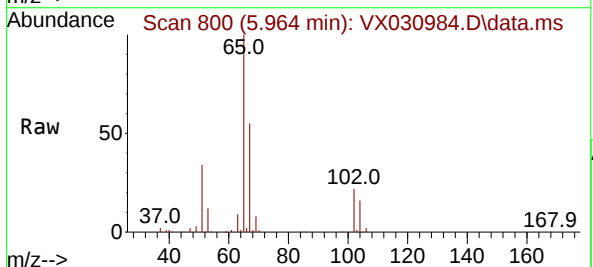
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-49

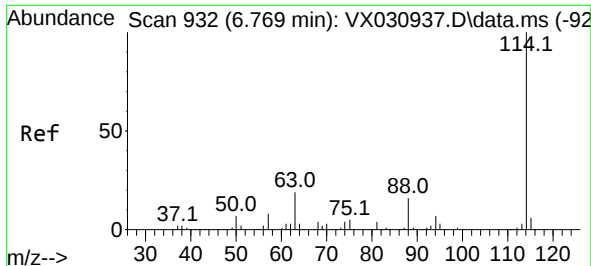
Tgt Ion: 56 Resp: 3468  
Ion Ratio Lower Upper  
56 100  
69 195.7 25.4 38.0#  
84 171.2 68.9 103.3#



#33  
1,2-Dichloroethane-d4  
Concen: 46.879 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.006 min  
Lab File: VX030984.D  
Acq: 31 Aug 2022 17:31

Tgt Ion: 65 Resp: 137309  
Ion Ratio Lower Upper  
65 100  
67 54.2 0.0 109.6

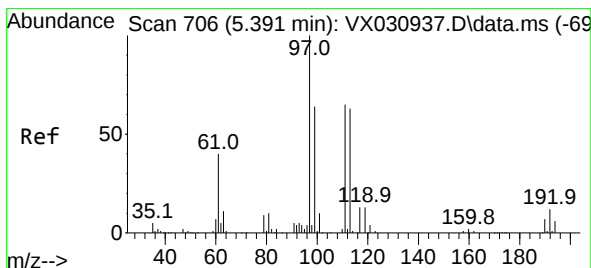
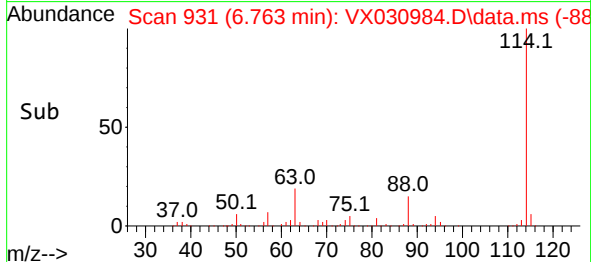
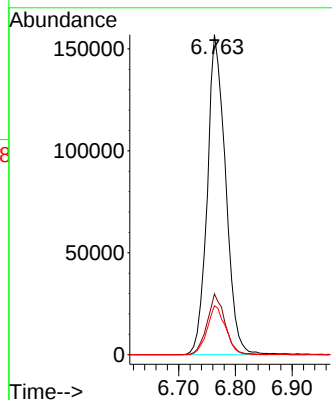
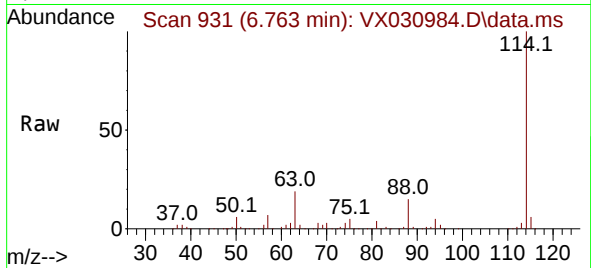




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VX030984.D  
Acq: 31 Aug 2022 17:31

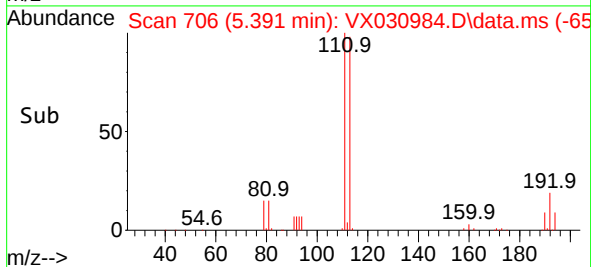
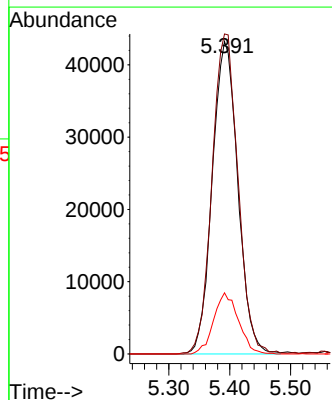
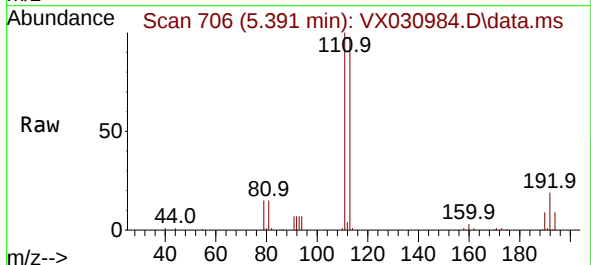
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-49

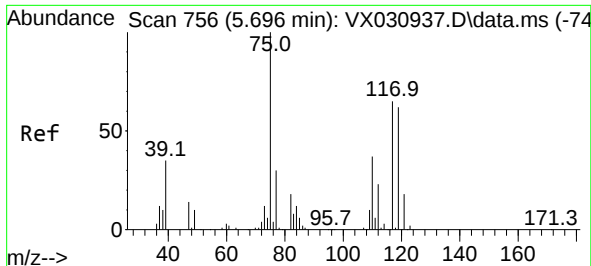
Tgt Ion:114 Resp: 351893  
Ion Ratio Lower Upper  
114 100  
63 19.0 0.0 38.4  
88 15.3 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 48.464 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX030984.D  
Acq: 31 Aug 2022 17:31

Tgt Ion:113 Resp: 125715  
Ion Ratio Lower Upper  
113 100  
111 103.9 83.2 124.8  
192 19.0 14.8 22.2

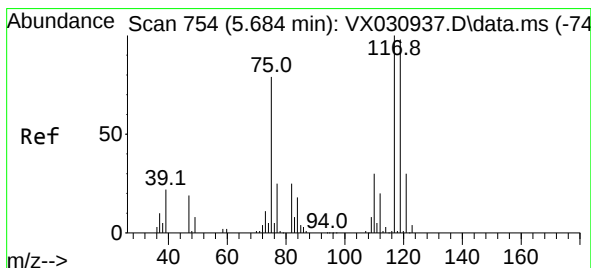
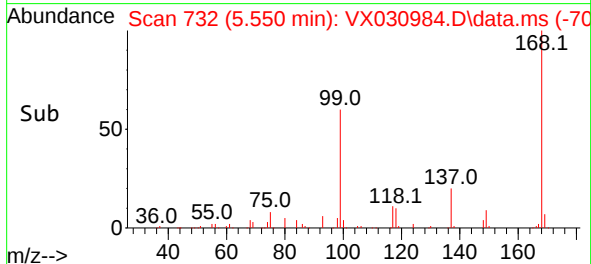
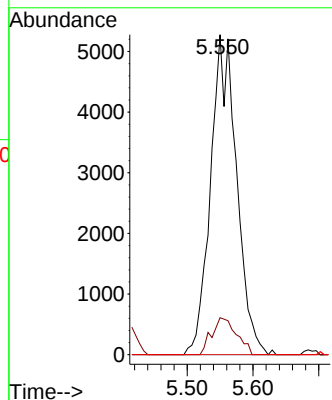
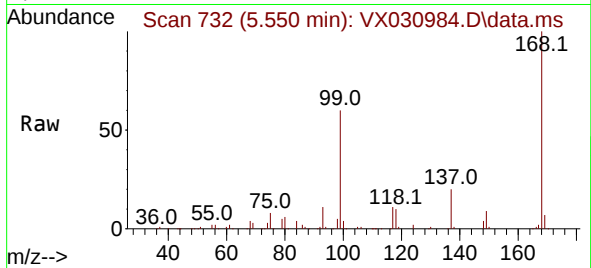




#36  
 1,1-Dichloropropene  
 Concen: 3.772 ug/l  
 RT: 5.550 min Scan# 711  
 Delta R.T. -0.146 min  
 Lab File: VX030984.D  
 Acq: 31 Aug 2022 17:31

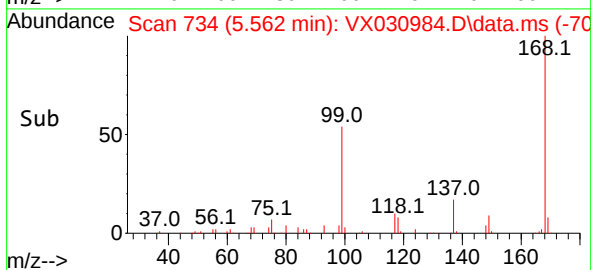
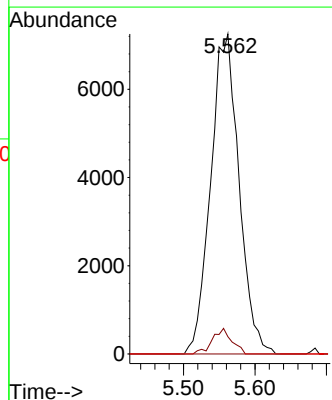
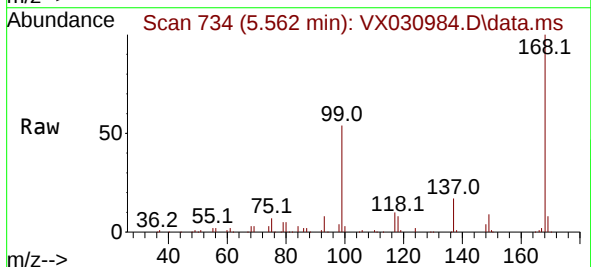
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-49

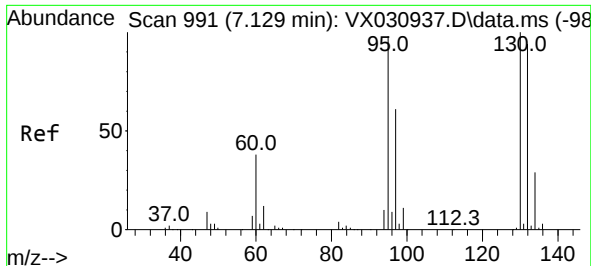
Tgt Ion: 75 Resp: 14544  
 Ion Ratio Lower Upper  
 75 100  
 110 11.0 19.3 57.9#  
 77 0.0 24.4 36.6#



#38  
 Carbon Tetrachloride  
 Concen: 5.440 ug/l  
 RT: 5.562 min Scan# 734  
 Delta R.T. -0.122 min  
 Lab File: VX030984.D  
 Acq: 31 Aug 2022 17:31

Tgt Ion: 117 Resp: 19967  
 Ion Ratio Lower Upper  
 117 100  
 119 5.4 74.1 111.1#  
 121 0.0 25.8 38.8#

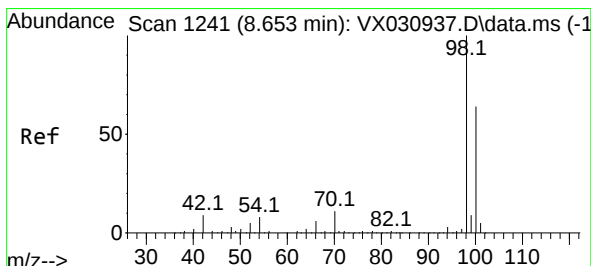
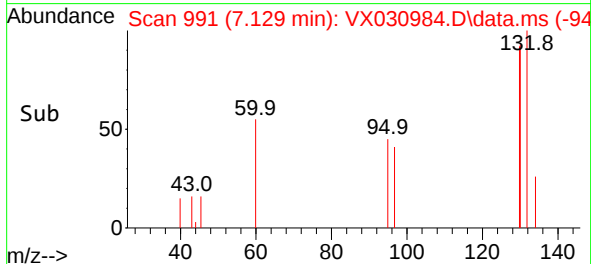
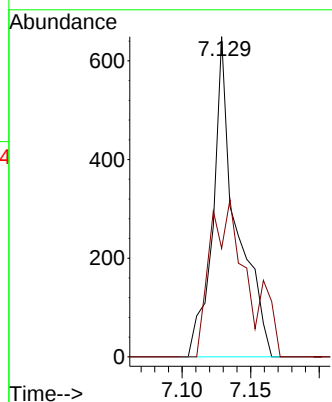
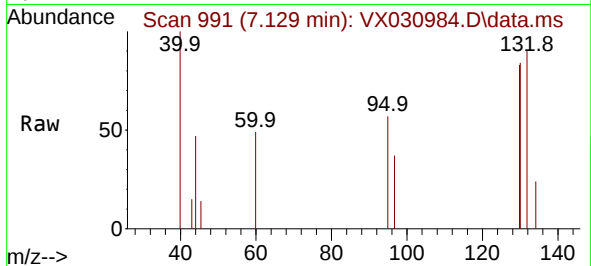




#44  
 Trichloroethene  
 Concen: 0.235 ug/l  
 RT: 7.129 min Scan# 991  
 Delta R.T. -0.000 min  
 Lab File: VX030984.D  
 Acq: 31 Aug 2022 17:31

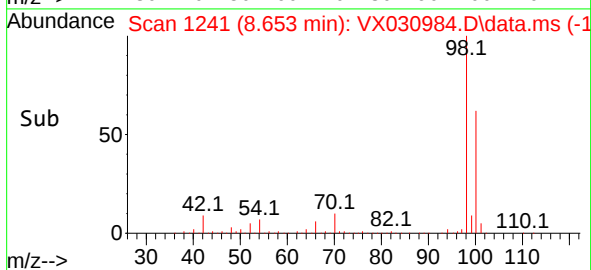
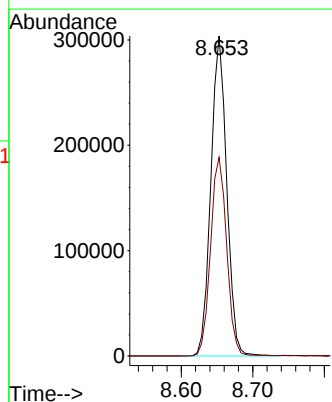
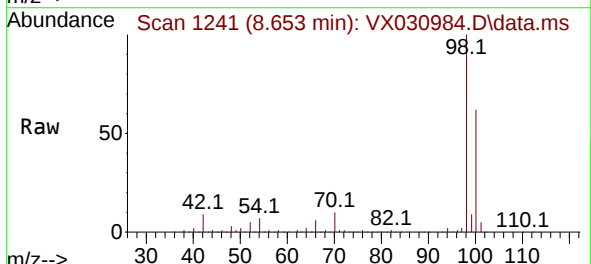
Instrument :  
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 MW-49

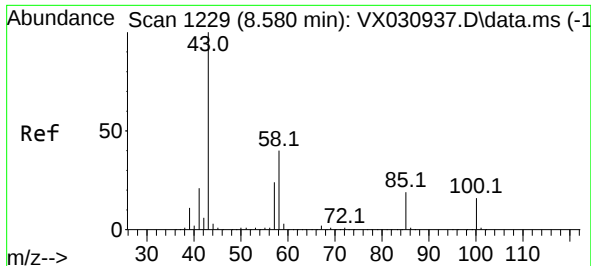
Tgt Ion:130 Resp: 768  
 Ion Ratio Lower Upper  
 130 100  
 95 33.9 0.0 194.8



#50  
 Toluene-d8  
 Concen: 48.635 ug/l  
 RT: 8.653 min Scan# 1241  
 Delta R.T. -0.000 min  
 Lab File: VX030984.D  
 Acq: 31 Aug 2022 17:31

Tgt Ion: 98 Resp: 467207  
 Ion Ratio Lower Upper  
 98 100  
 100 63.3 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 0.438 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.067 min

Lab File: VX030984.D

Acq: 31 Aug 2022 17:31

Instrument :

MSVOA\_X

ClientSampleId :

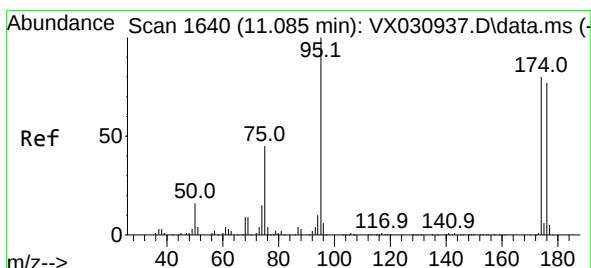
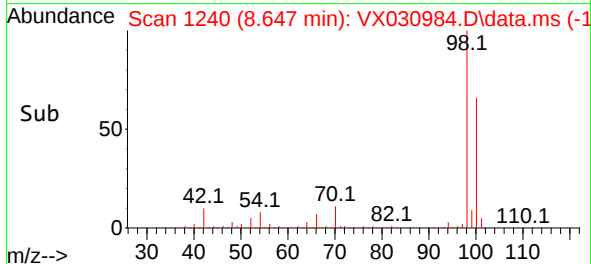
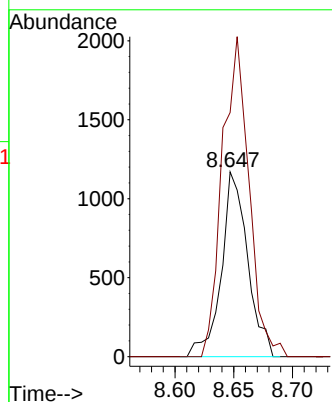
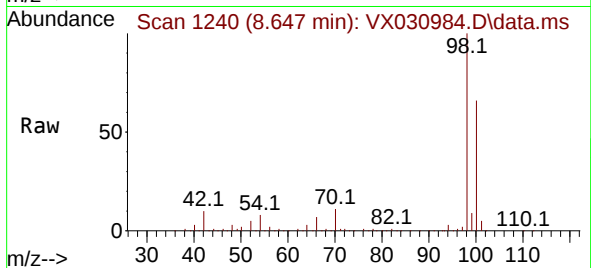
MW-49

Tgt Ion: 43 Resp: 1817

Ion Ratio Lower Upper

43 100

58 175.8 31.4 47.2#



#62

4-Bromofluorobenzene

Concen: 44.663 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX030984.D

Acq: 31 Aug 2022 17:31

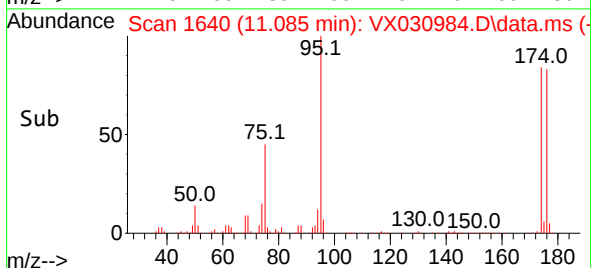
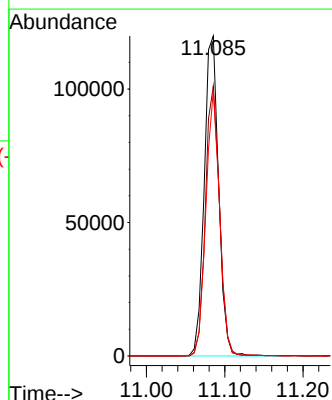
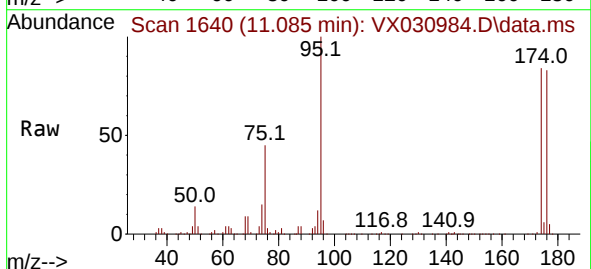
Tgt Ion: 95 Resp: 152787

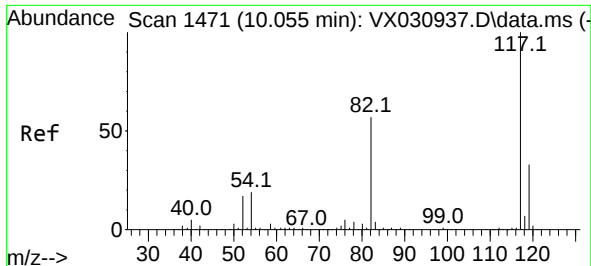
Ion Ratio Lower Upper

95 100

174 82.7 0.0 149.0

176 79.2 0.0 146.0

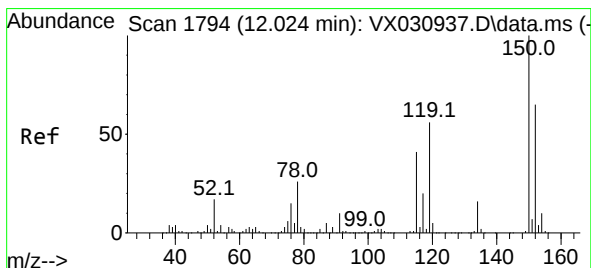
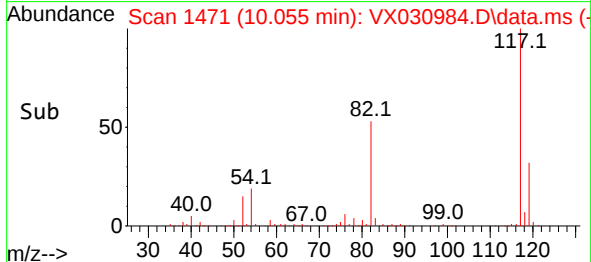
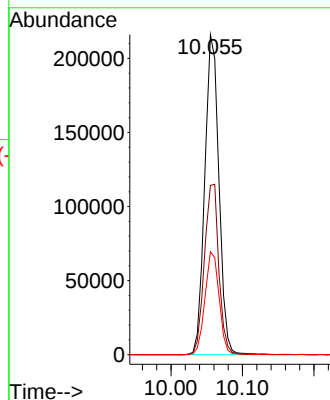
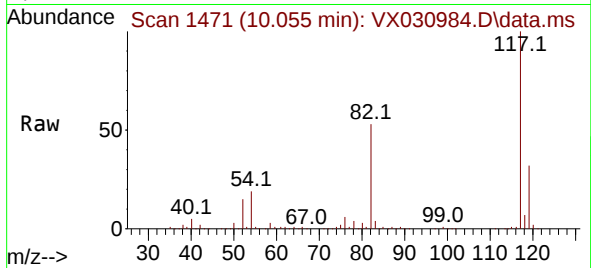




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX030984.D  
Acq: 31 Aug 2022 17:31

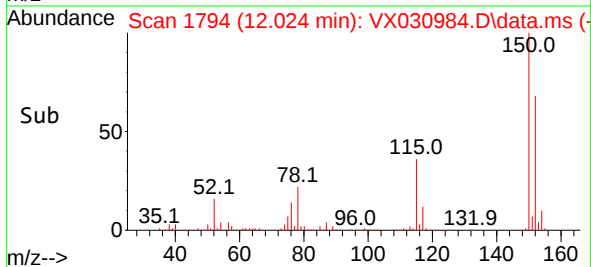
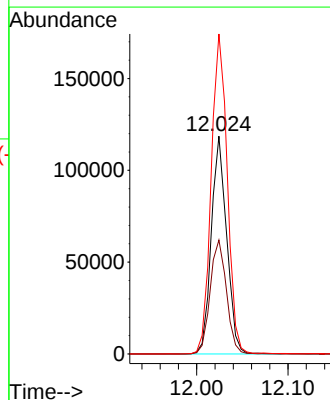
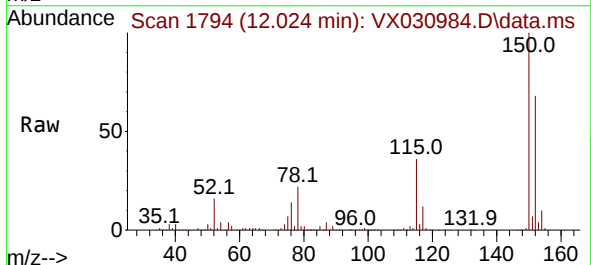
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-49

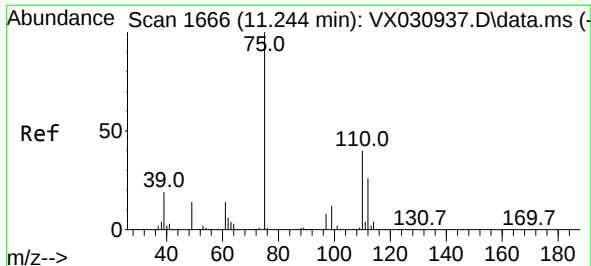
Tgt Ion:117 Resp: 297690  
Ion Ratio Lower Upper  
117 100  
82 52.9 42.7 64.1  
119 32.2 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX030984.D  
Acq: 31 Aug 2022 17:31

Tgt Ion:152 Resp: 138227  
Ion Ratio Lower Upper  
152 100  
115 55.5 40.5 121.5  
150 153.4 0.0 347.0

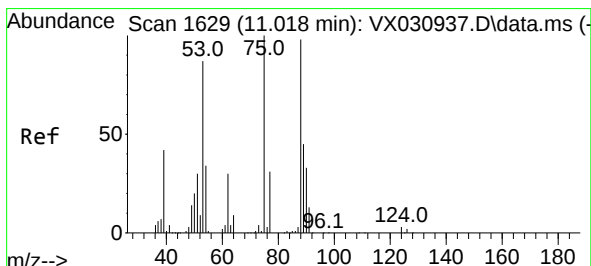
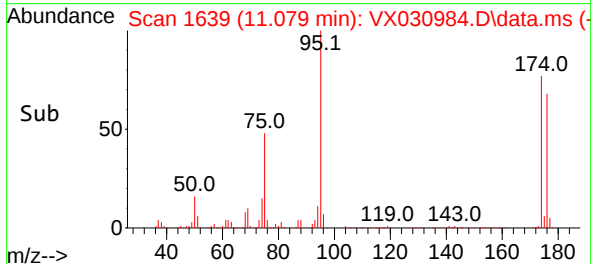
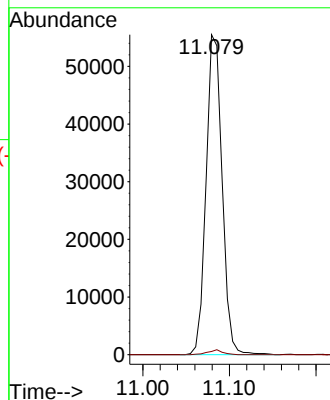
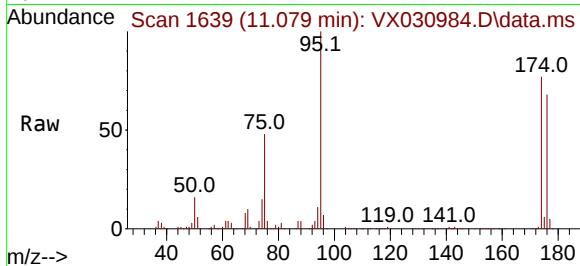




#76  
1,2,3-Trichloropropane  
Concen: 20.957 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX030984.D  
Acq: 31 Aug 2022 17:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-49

Tgt Ion: 75 Resp: 71315  
Ion Ratio Lower Upper  
75 100  
77 1.4 19.8 59.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 62.307 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.055 min  
Lab File: VX030984.D  
Acq: 31 Aug 2022 17:31

Tgt Ion: 75 Resp: 71315  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.2 111.4#  
89 0.1 34.8 52.2#

