

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112421\  
 Data File : VX025332.D  
 Acq On : 24 Nov 2021 17:22  
 Operator : JC/MD  
 Sample : M4764-05 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2

Quant Time: Nov 26 10:37:00 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 17 15:36:16 2021  
 Response via : Initial Calibration

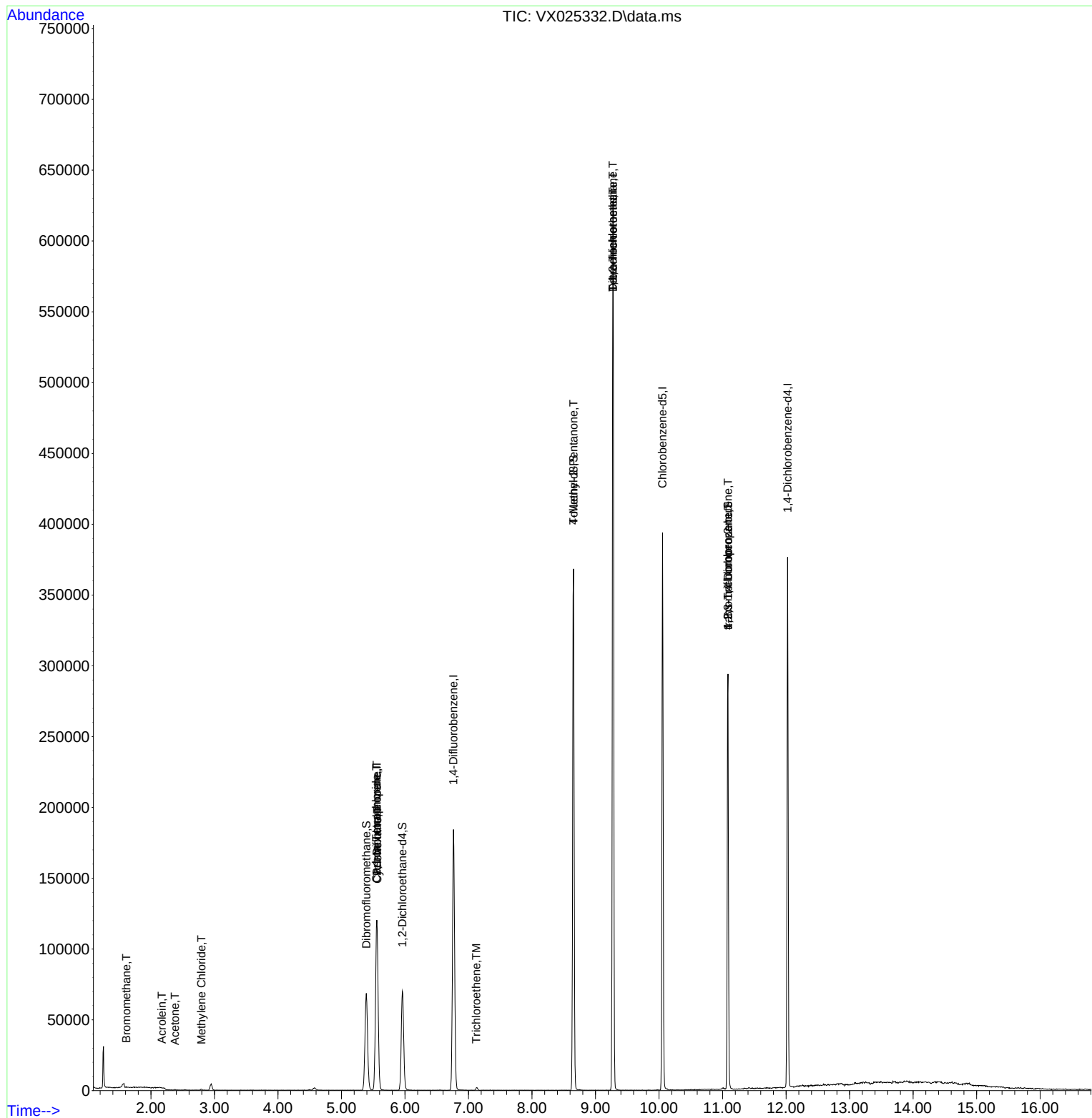
| Compound                      | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|--------|----------------|----------|------------|--------|----------|
| -----                         |        |                |          |            |        |          |
| Internal Standards            |        |                |          |            |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168            | 124831   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114            | 197089   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117            | 175995   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152            | 79731    | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |        |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65             | 66047    | 50.195     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 78 - 117 | Recovery | = 100.400% |        |          |
| 35) Dibromofluoromethane      | 5.391  | 113            | 58884    | 48.694     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 75 - 124 | Recovery | = 97.380%  |        |          |
| 50) Toluene-d8                | 8.653  | 98             | 224205   | 49.312     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 92 - 112 | Recovery | = 98.620%  |        |          |
| 62) 4-Bromofluorobenzene      | 11.085 | 95             | 78647    | 45.723     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 83 - 123 | Recovery | = 91.440%  |        |          |
| Target Compounds              |        |                |          |            |        |          |
|                               |        |                |          |            | Qvalue |          |
| 5) Bromomethane               | 1.611  | 94             | 162      | 0.256      | ug/l   | 93       |
| 11) Tert butyl alcohol        | 2.947  | 59             | 2639     | Below Cal  | #      | 72       |
| 13) Acrolein                  | 2.172  | 56             | 89       | 1.476      | ug/l # | 1        |
| 16) Acetone                   | 2.380  | 43             | 465      | 0.636      | ug/l # | 86       |
| 20) Methylene Chloride        | 2.794  | 84             | 399      | 0.290      | ug/l # | 85       |
| 31) Cyclohexane               | 5.562  | 56             | 2137     | 1.051      | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.556  | 75             | 8413     | 4.893      | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.550  | 117            | 11365    | 6.001      | ug/l # | 16       |
| 44) Trichloroethene           | 7.123  | 130            | 818      | 0.541      | ug/l   | 74       |
| 51) 4-Methyl-2-Pentanone      | 8.653  | 43             | 1000     | 0.490      | ug/l # | 1        |
| 55) 1,1,2-Trichloroethane     | 9.275  | 97             | 953      | 0.705      | ug/l # | 1        |
| 60) Dibromochloromethane      | 9.275  | 129            | 110191   | 70.832     | ug/l # | 11       |
| 64) Tetrachloroethene         | 9.275  | 164            | 120393   | 82.958     | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75             | 37467    | 22.948     | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75             | 37467    | 57.809     | ug/l # | 9        |
| 95) Naphthalene               | 13.780 | 128            | 206      | Below Cal  | #      | 84       |
| -----                         |        |                |          |            |        |          |

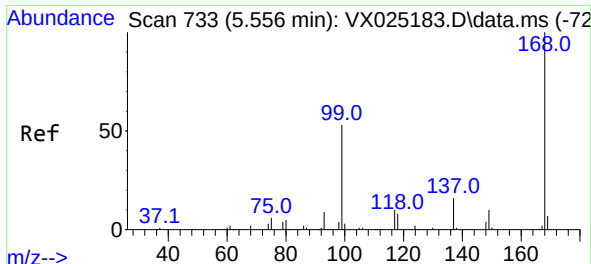
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112421\  
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Sample : M4764-05 20X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

Quant Time: Nov 26 10:37:00 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111721W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 17 15:36:16 2021  
Response via : Initial Calibration

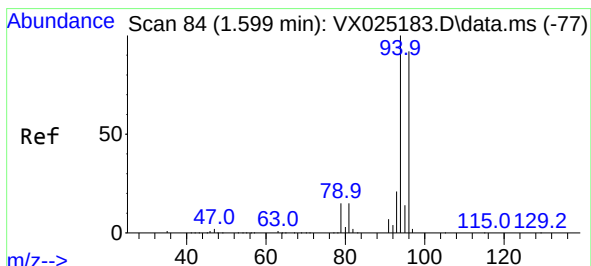
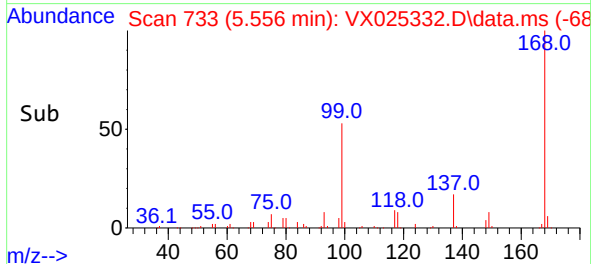
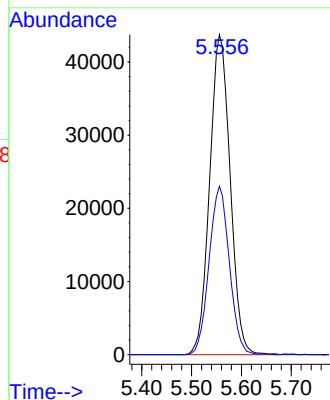
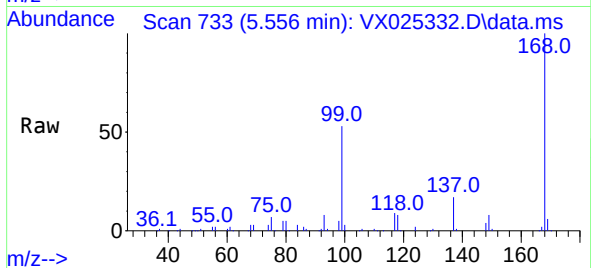




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX025332.D  
Acq: 24 Nov 2021 17:22

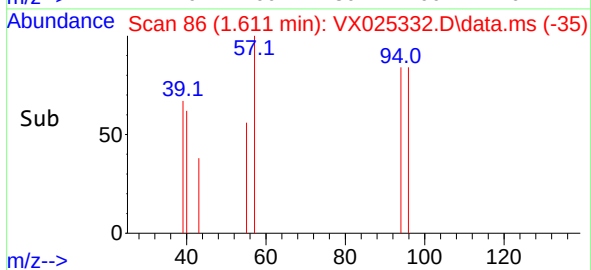
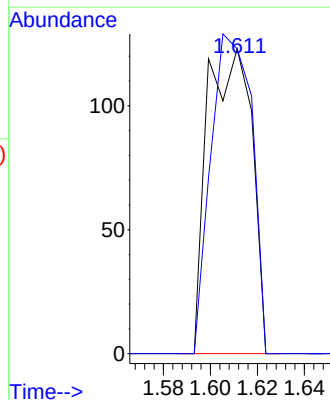
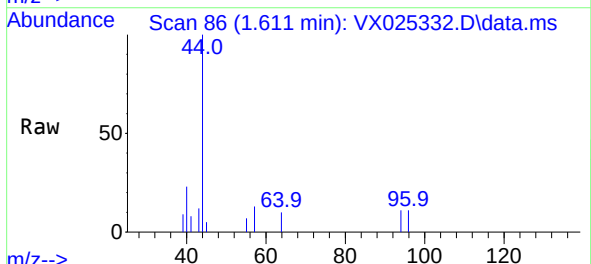
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

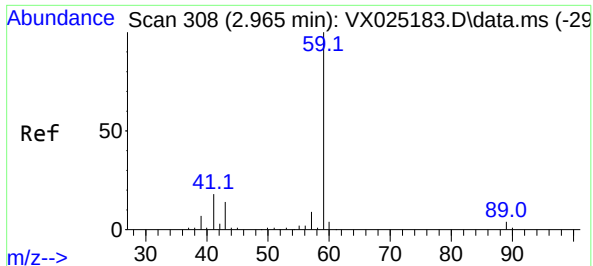
Tgt Ion:168 Resp: 124831  
Ion Ratio Lower Upper  
168 100  
99 52.7 46.4 69.6



#5  
Bromomethane  
Concen: 0.256 ug/l  
RT: 1.611 min Scan# 86  
Delta R.T. 0.012 min  
Lab File: VX025332.D  
Acq: 24 Nov 2021 17:22

Tgt Ion: 94 Resp: 162  
Ion Ratio Lower Upper  
94 100  
96 100.0 74.8 112.2





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 308

Delta R.T. -0.018 min

Lab File: VX025332.D

Acq: 24 Nov 2021 17:22

Instrument :

MSVOA\_X

ClientSampleId :

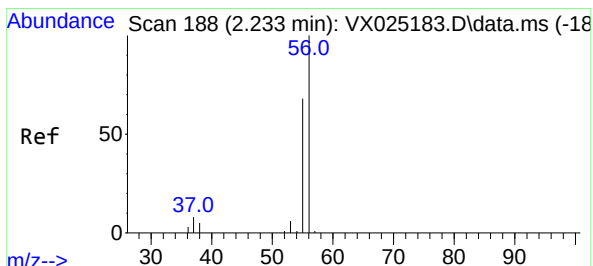
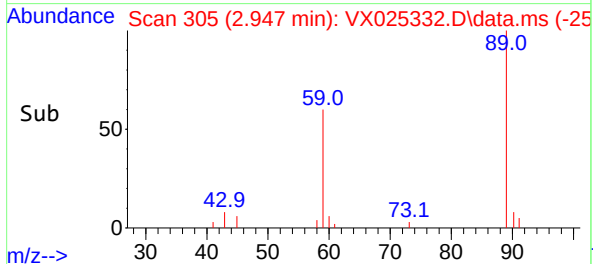
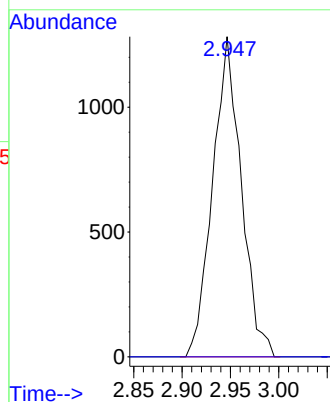
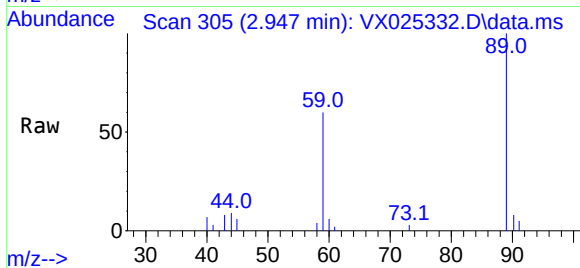
MW-2

Tgt Ion: 59 Resp: 2639

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#13

Acrolein

Concen: 1.476 ug/l

RT: 2.172 min Scan# 178

Delta R.T. -0.061 min

Lab File: VX025332.D

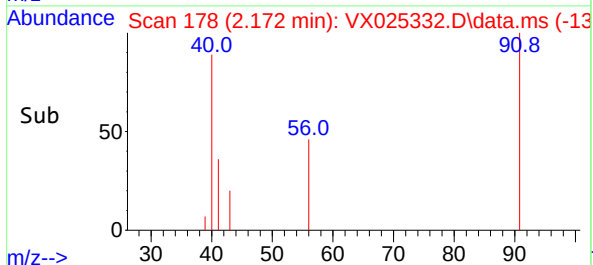
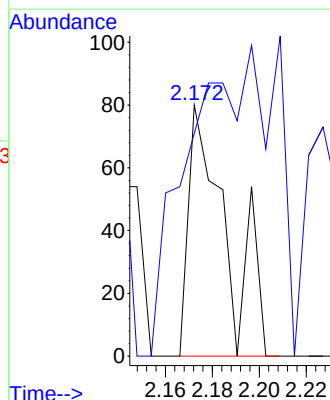
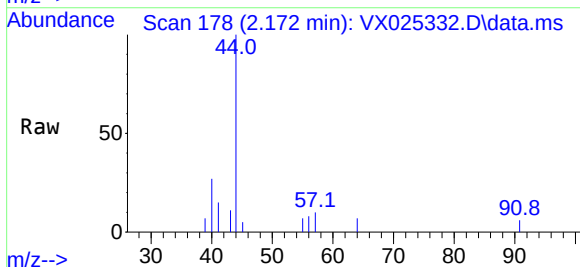
Acq: 24 Nov 2021 17:22

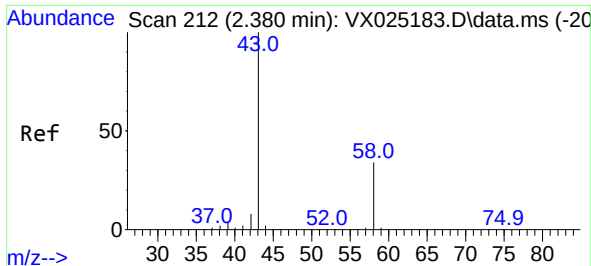
Tgt Ion: 56 Resp: 89

Ion Ratio Lower Upper

56 100

55 175.3 58.6 87.8#

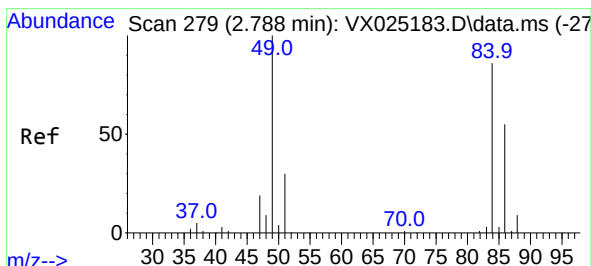
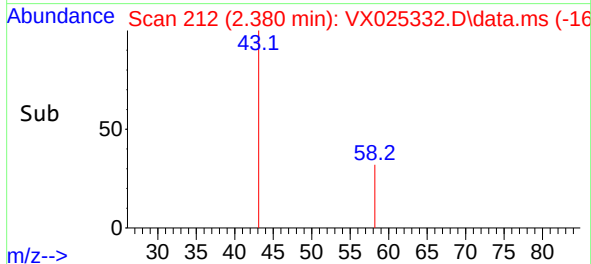
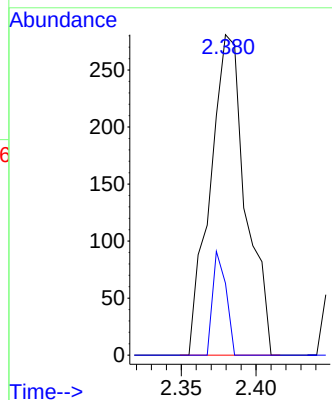
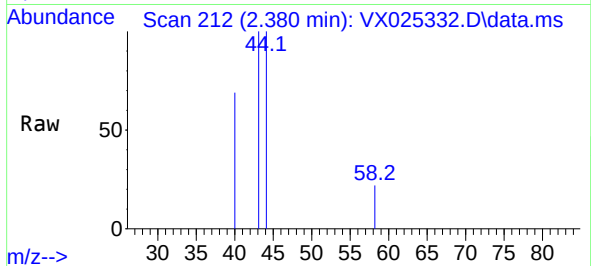




#16  
Acetone  
Concen: 0.636 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX025332.D  
Acq: 24 Nov 2021 17:22

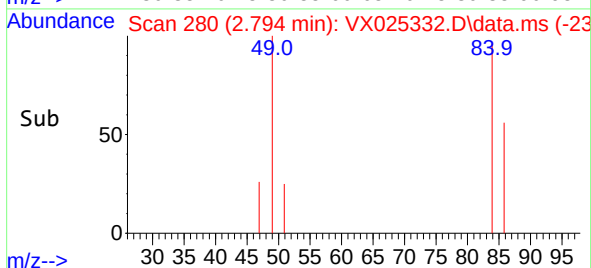
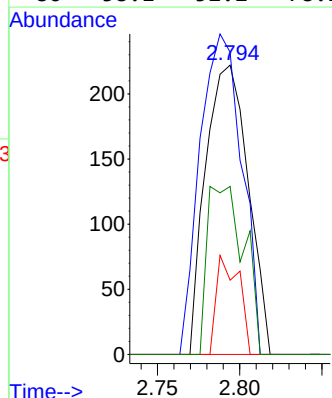
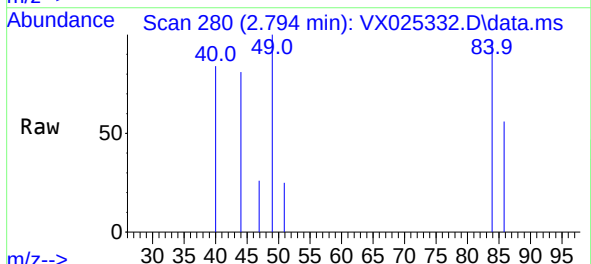
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

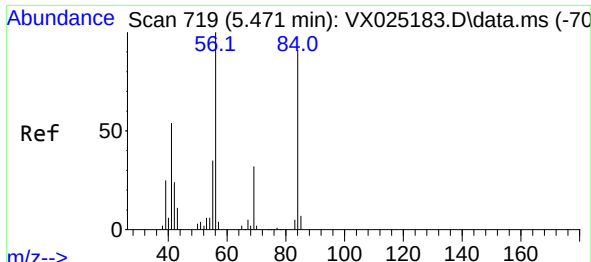
Tgt Ion: 43 Resp: 465  
Ion Ratio Lower Upper  
43 100  
58 22.4 24.0 36.0#



#20  
Methylene Chloride  
Concen: 0.290 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX025332.D  
Acq: 24 Nov 2021 17:22

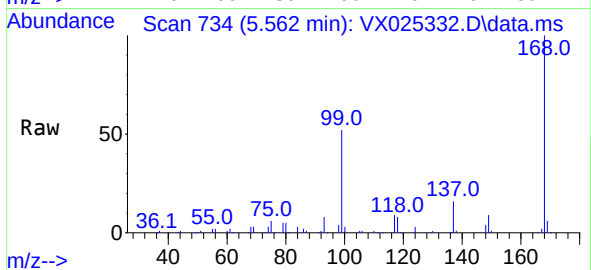
Tgt Ion: 84 Resp: 399  
Ion Ratio Lower Upper  
84 100  
49 104.5 98.2 147.2  
51 25.7 30.2 45.4#  
86 58.1 52.2 78.2



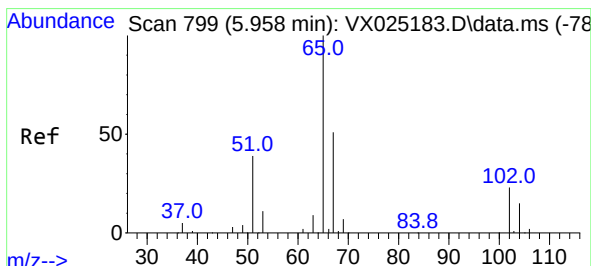
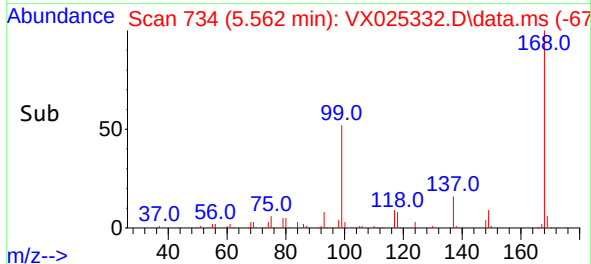
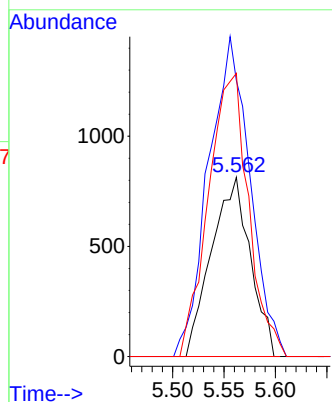


#31  
Cyclohexane  
Concen: 1.051 ug/l  
RT: 5.562 min Scan# 719  
Delta R.T. 0.091 min  
Lab File: VX025332.D  
Acq: 24 Nov 2021 17:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

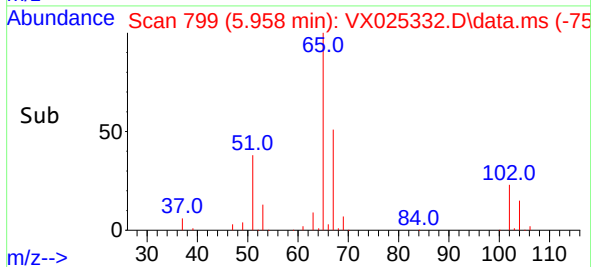
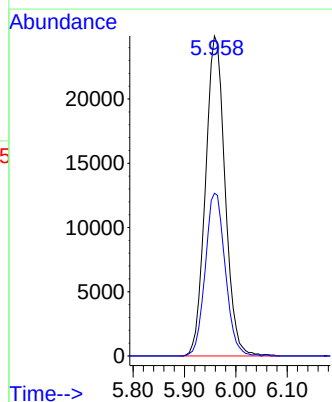
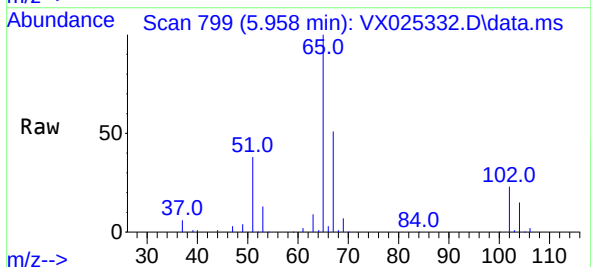


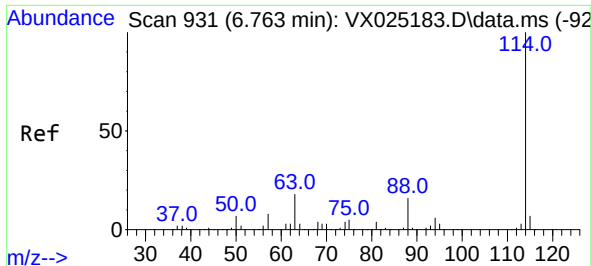
Tgt Ion: 56 Resp: 2137  
Ion Ratio Lower Upper  
56 100  
69 145.6 24.2 36.2#  
84 158.0 71.5 107.3#



#33  
1,2-Dichloroethane-d4  
Concen: 50.195 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX025332.D  
Acq: 24 Nov 2021 17:22

Tgt Ion: 65 Resp: 66047  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 101.0

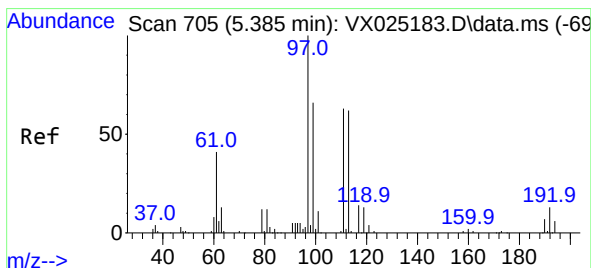
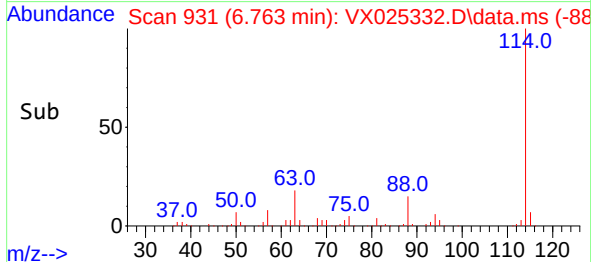
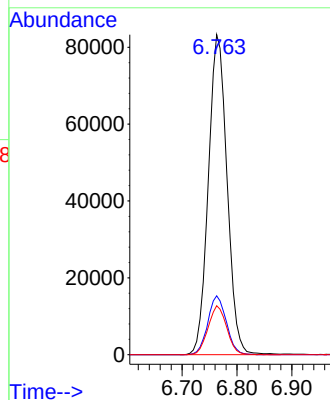
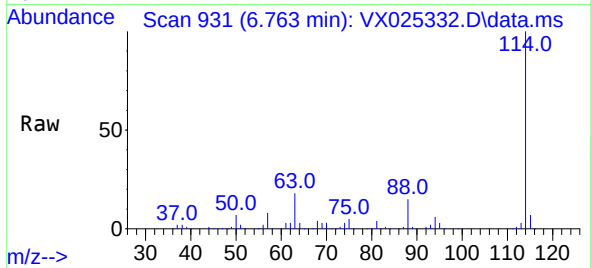




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX025332.D  
Acq: 24 Nov 2021 17:22

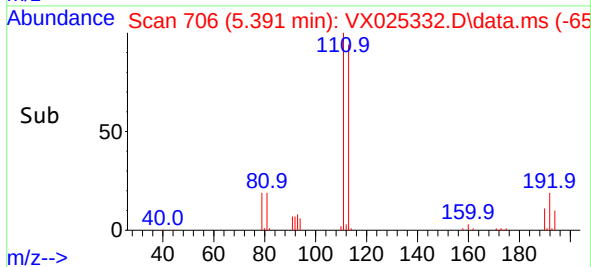
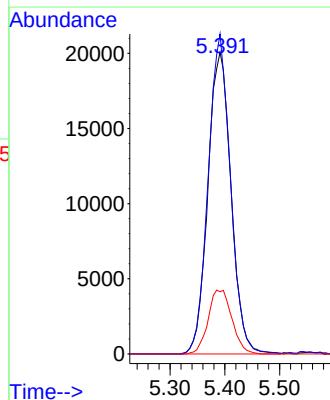
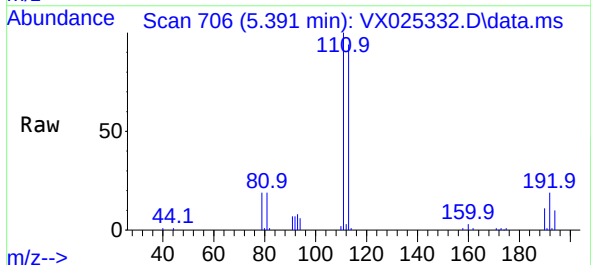
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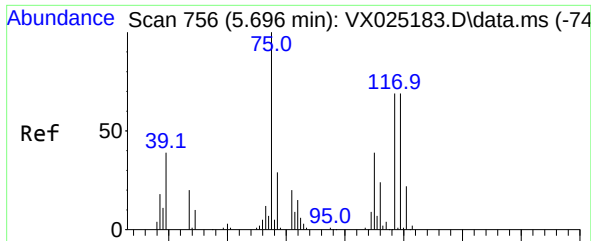
Tgt Ion:114 Resp: 197089  
Ion Ratio Lower Upper  
114 100  
63 18.4 0.0 41.0  
88 15.3 0.0 34.8



#35  
Dibromofluoromethane  
Concen: 48.694 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX025332.D  
Acq: 24 Nov 2021 17:22

Tgt Ion:113 Resp: 58884  
Ion Ratio Lower Upper  
113 100  
111 102.2 82.1 123.1  
192 21.7 15.6 23.4

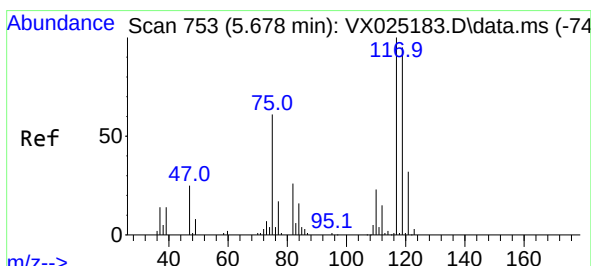
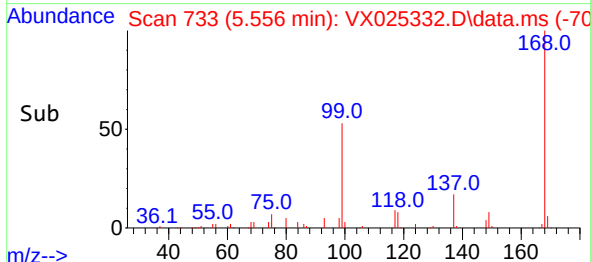
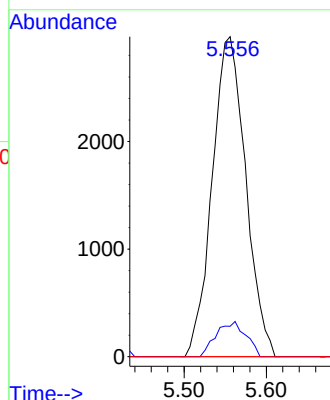
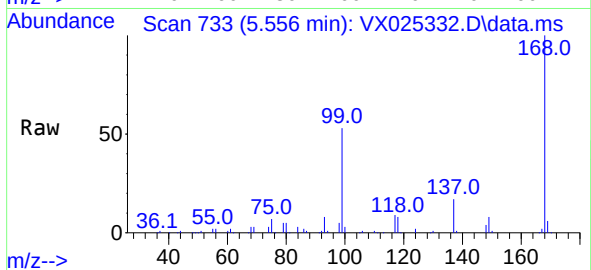




#36  
1,1-Dichloropropene  
Concen: 4.893 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.140 min  
Lab File: VX025332.D  
Acq: 24 Nov 2021 17:22

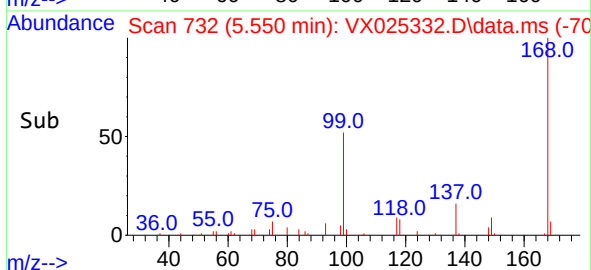
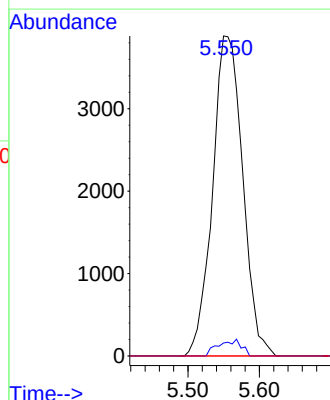
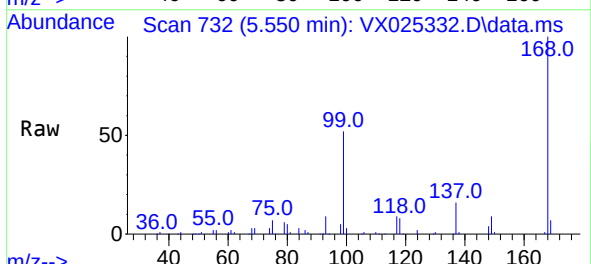
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Tgt Ion: 75 Resp: 8413  
Ion Ratio Lower Upper  
75 100  
110 9.8 18.1 54.3#  
77 0.0 24.4 36.6#

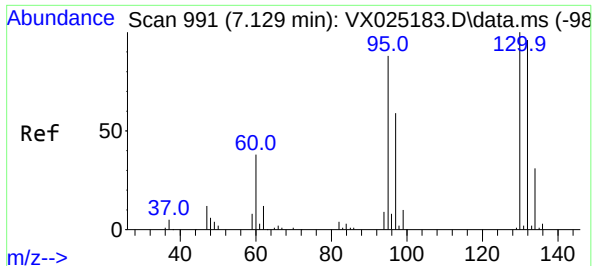


#38  
Carbon Tetrachloride  
Concen: 6.001 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.128 min  
Lab File: VX025332.D  
Acq: 24 Nov 2021 17:22

Tgt Ion: 117 Resp: 11365  
Ion Ratio Lower Upper  
117 100  
119 4.0 75.6 113.4#  
121 0.0 23.7 35.5#



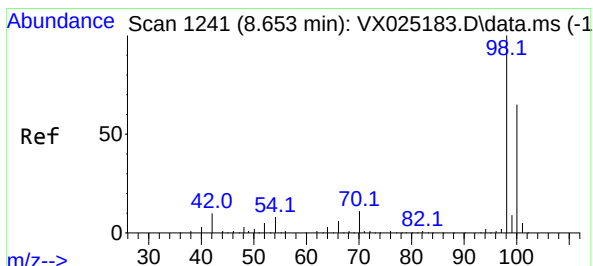
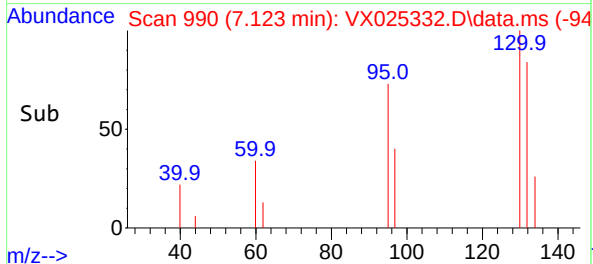
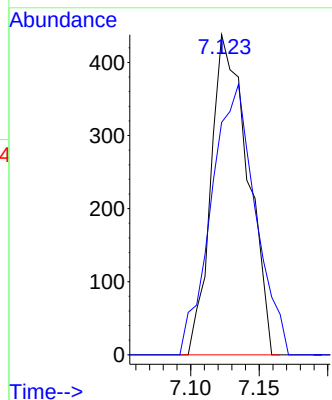
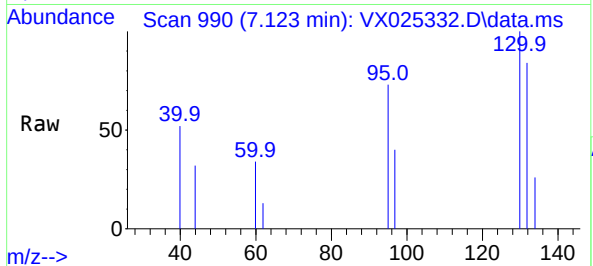




#44  
Trichloroethene  
Concen: 0.541 ug/l  
RT: 7.123 min Scan# 991  
Delta R.T. -0.006 min  
Lab File: VX025332.D  
Acq: 24 Nov 2021 17:22

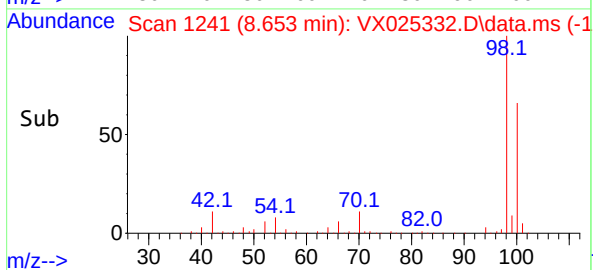
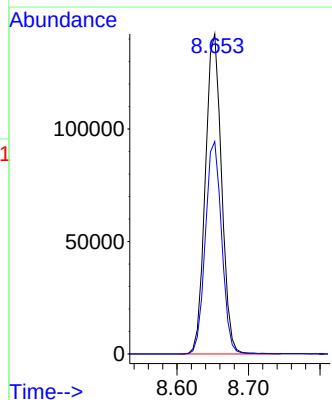
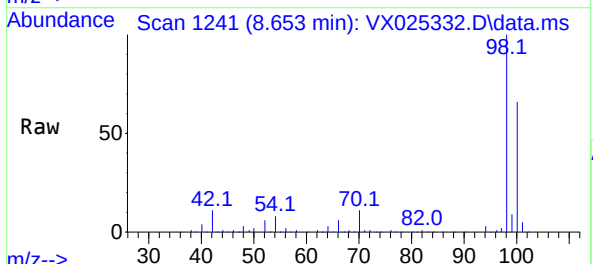
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

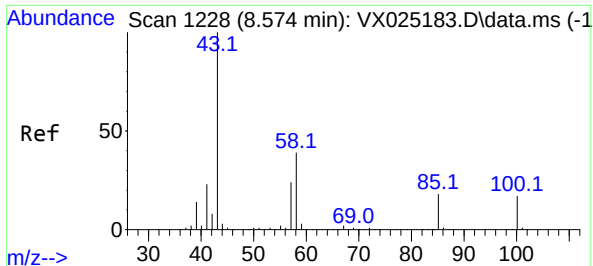
Tgt Ion:130 Resp: 818  
Ion Ratio Lower Upper  
130 100  
95 72.6 0.0 196.8



#50  
Toluene-d8  
Concen: 49.312 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX025332.D  
Acq: 24 Nov 2021 17:22

Tgt Ion: 98 Resp: 224205  
Ion Ratio Lower Upper  
98 100  
100 66.8 51.4 77.0

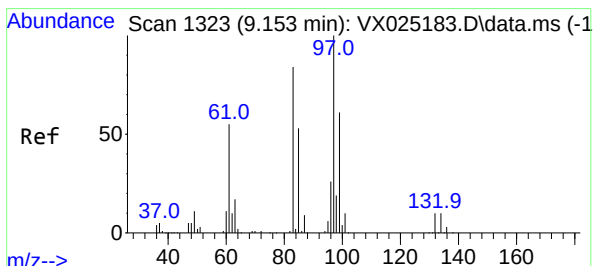
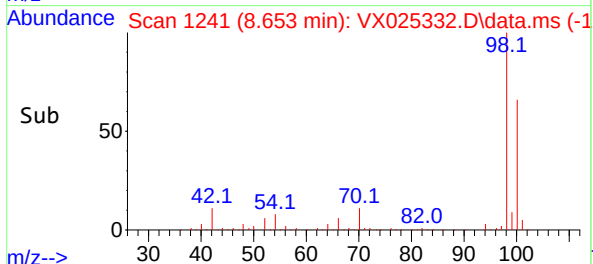
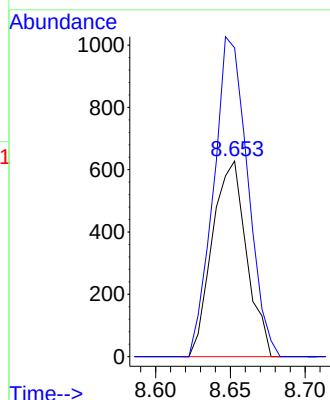
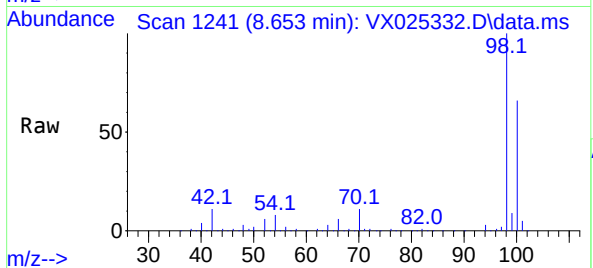




#51  
4-Methyl-2-Pentanone  
Concen: 0.490 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. 0.079 min  
Lab File: VX025332.D  
Acq: 24 Nov 2021 17:22

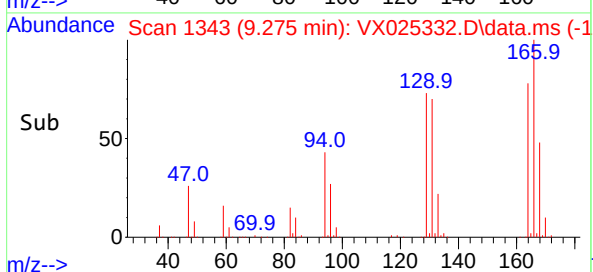
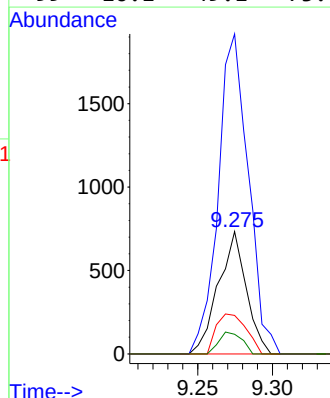
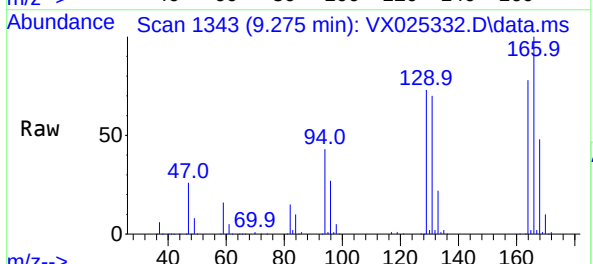
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

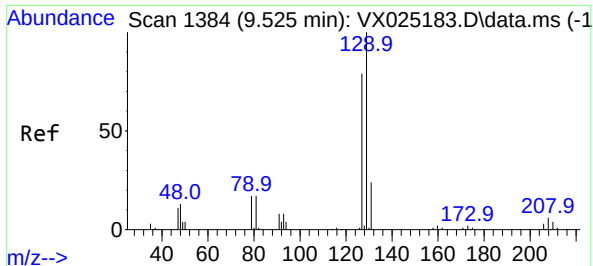
Tgt Ion: 43 Resp: 1000  
Ion Ratio Lower Upper  
43 100  
58 162.9 30.9 46.3#



#55  
1,1,2-Trichloroethane  
Concen: 0.705 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. 0.122 min  
Lab File: VX025332.D  
Acq: 24 Nov 2021 17:22

Tgt Ion: 97 Resp: 953  
Ion Ratio Lower Upper  
97 100  
83 261.7 69.2 103.8#  
85 31.5 43.3 64.9#  
99 16.1 49.1 73.7#

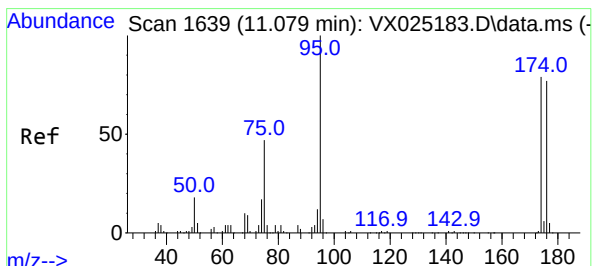
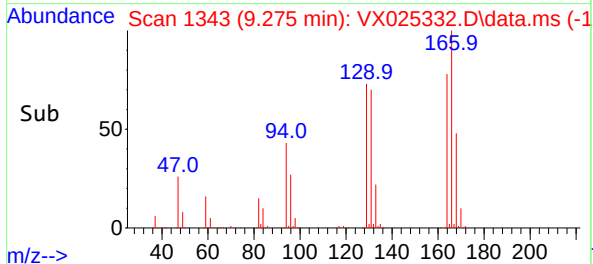
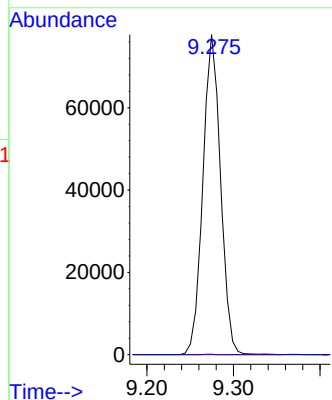
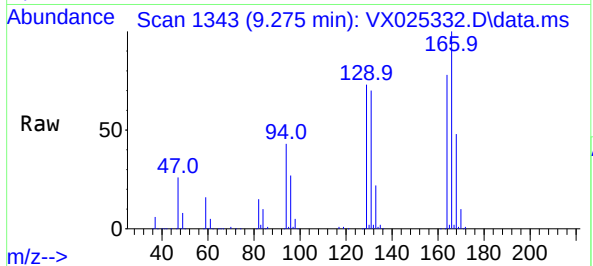




#60  
Dibromochloromethane  
Concen: 70.832 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. -0.250 min  
Lab File: VX025332.D  
Acq: 24 Nov 2021 17:22

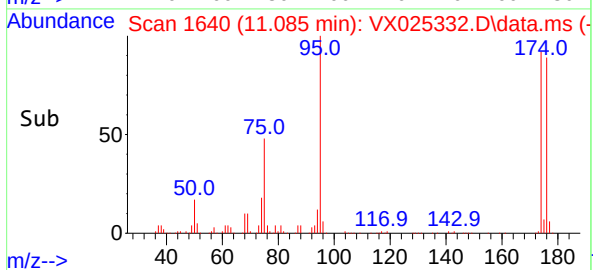
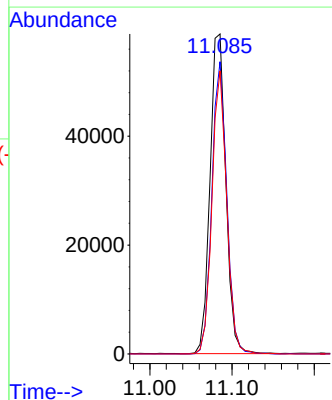
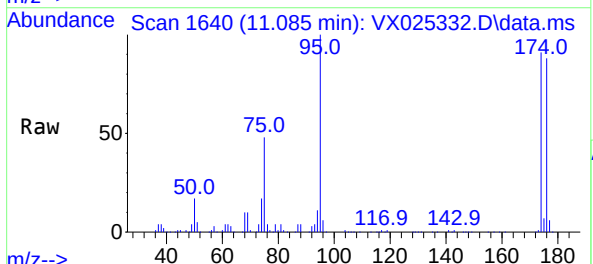
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

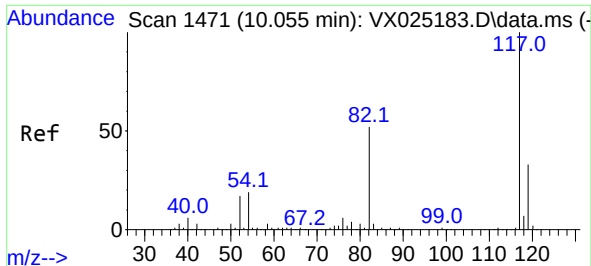
Tgt Ion:129 Resp: 110191  
Ion Ratio Lower Upper  
129 100  
127 0.1 38.5 115.5#



#62  
4-Bromofluorobenzene  
Concen: 45.723 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.006 min  
Lab File: VX025332.D  
Acq: 24 Nov 2021 17:22

Tgt Ion: 95 Resp: 78647  
Ion Ratio Lower Upper  
95 100  
174 86.2 0.0 158.0  
176 82.8 0.0 153.6

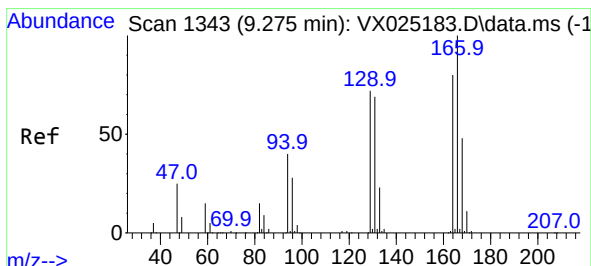
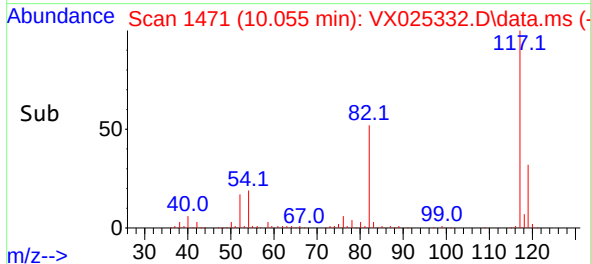
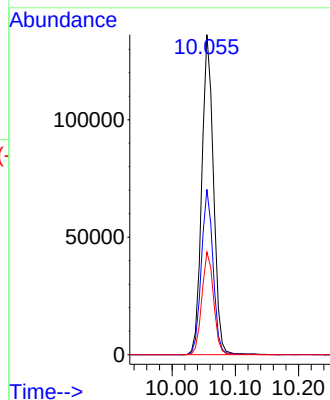
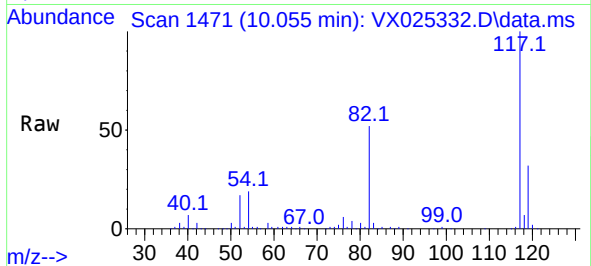




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX025332.D  
Acq: 24 Nov 2021 17:22

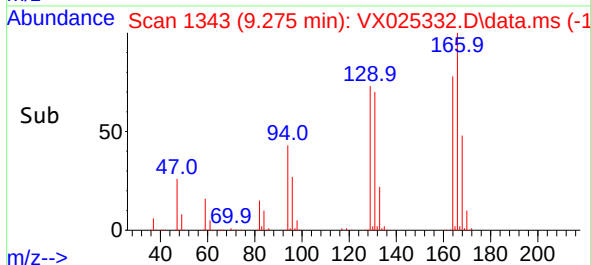
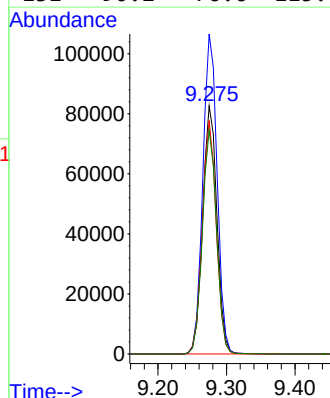
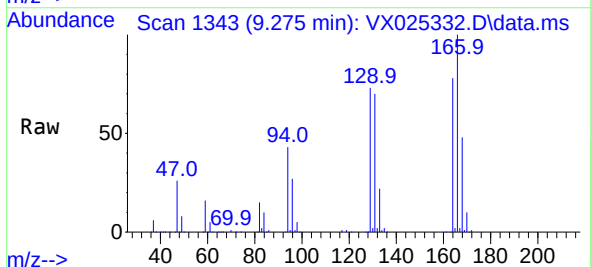
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

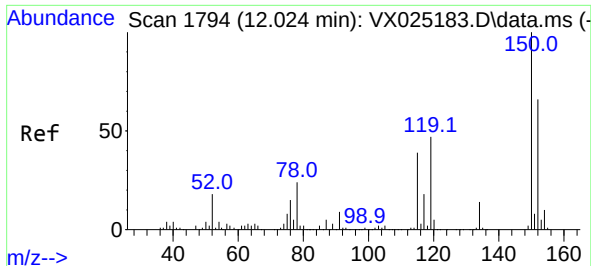
Tgt Ion:117 Resp: 175995  
Ion Ratio Lower Upper  
117 100  
82 51.7 44.6 67.0  
119 32.1 24.8 37.2



#64  
Tetrachloroethene  
Concen: 82.958 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.000 min  
Lab File: VX025332.D  
Acq: 24 Nov 2021 17:22

Tgt Ion:164 Resp: 120393  
Ion Ratio Lower Upper  
164 100  
166 129.0 103.2 154.8  
129 94.1 81.0 121.4  
131 90.2 76.6 115.0

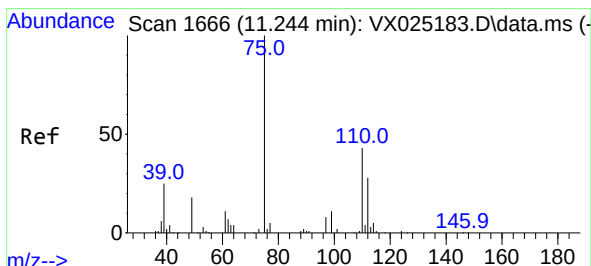
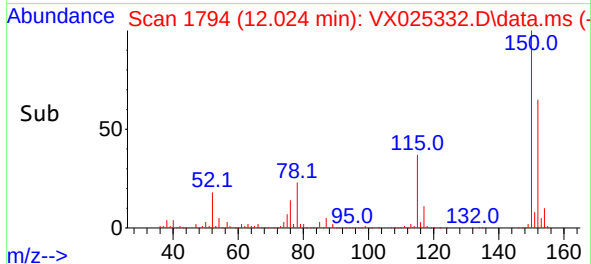
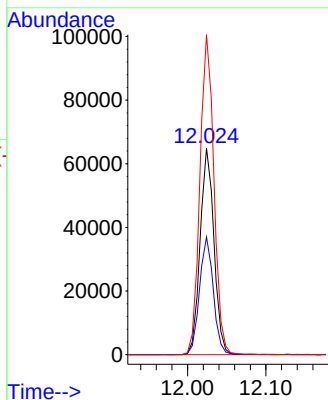
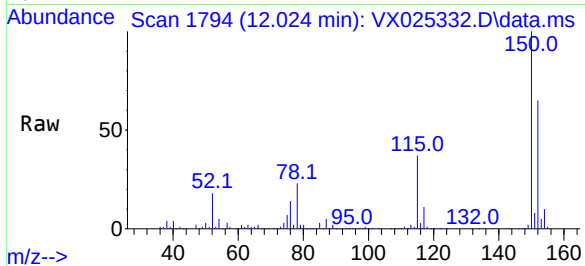




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX025332.D  
Acq: 24 Nov 2021 17:22

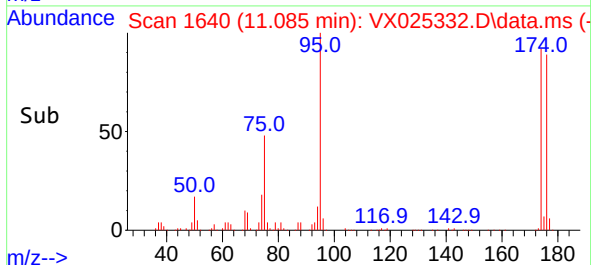
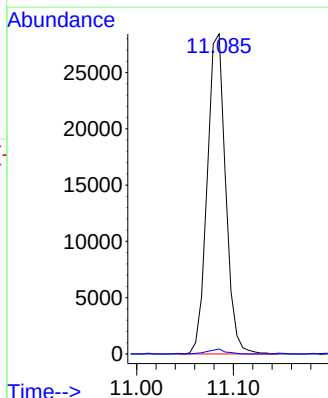
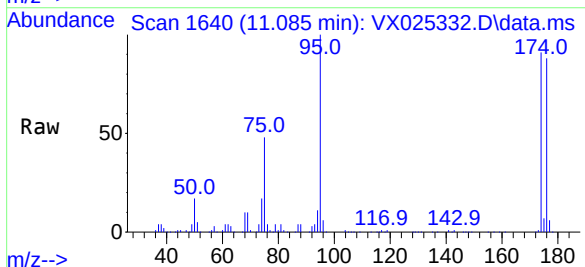
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

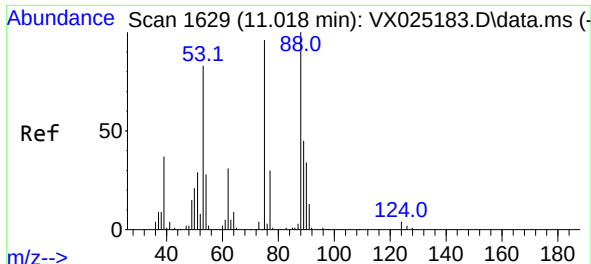
Tgt Ion:152 Resp: 79731  
Ion Ratio Lower Upper  
152 100  
115 57.0 43.3 129.8  
150 156.4 0.0 351.2



#76  
1,2,3-Trichloropropane  
Concen: 22.948 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX025332.D  
Acq: 24 Nov 2021 17:22

Tgt Ion: 75 Resp: 37467  
Ion Ratio Lower Upper  
75 100  
77 1.5 20.0 59.9#

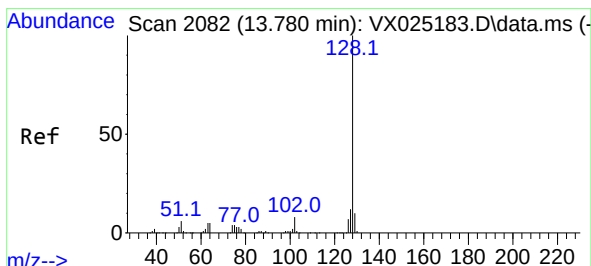
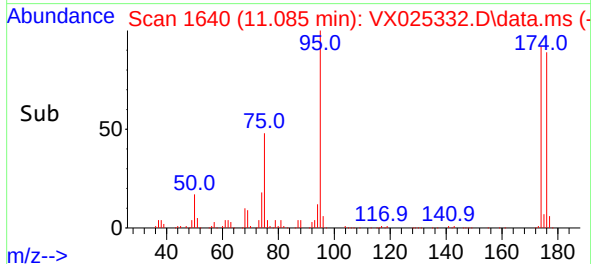
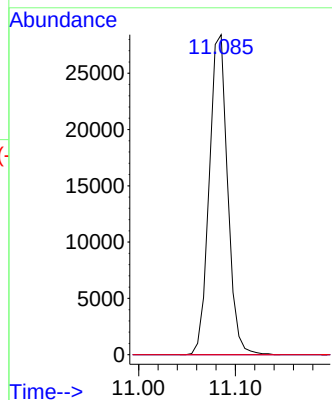
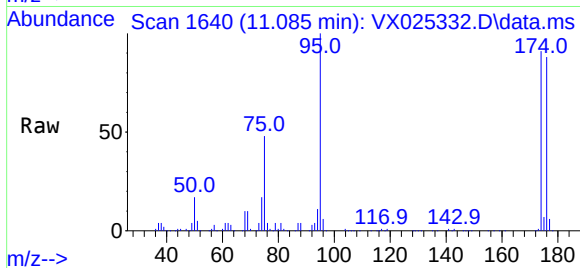




#81  
trans-1,4-Dichloro-2-butene  
Concen: 57.809 ug/l  
RT: 11.085 min Scan# 1  
Delta R.T. 0.067 min  
Lab File: VX025332.D  
Acq: 24 Nov 2021 17:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

Tgt Ion: 75 Resp: 37467  
Ion Ratio Lower Upper  
75 100  
53 0.0 81.9 122.9#  
89 0.0 38.2 57.2#



#95  
Naphthalene  
Concen: Below Cal  
RT: 13.780 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VX025332.D  
Acq: 24 Nov 2021 17:22

Tgt Ion:128 Resp: 206  
Ion Ratio Lower Upper  
128 100  
127 10.7 10.3 15.5  
129 0.0 8.8 13.2#

