

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121322\  
 Data File : VX033403.D  
 Acq On : 13 Dec 2022 19:21  
 Operator : JC/MD  
 Sample : N6001-18  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-17

Quant Time: Dec 14 05:41:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120722W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 07 12:43:54 2022  
 Response via : Initial Calibration

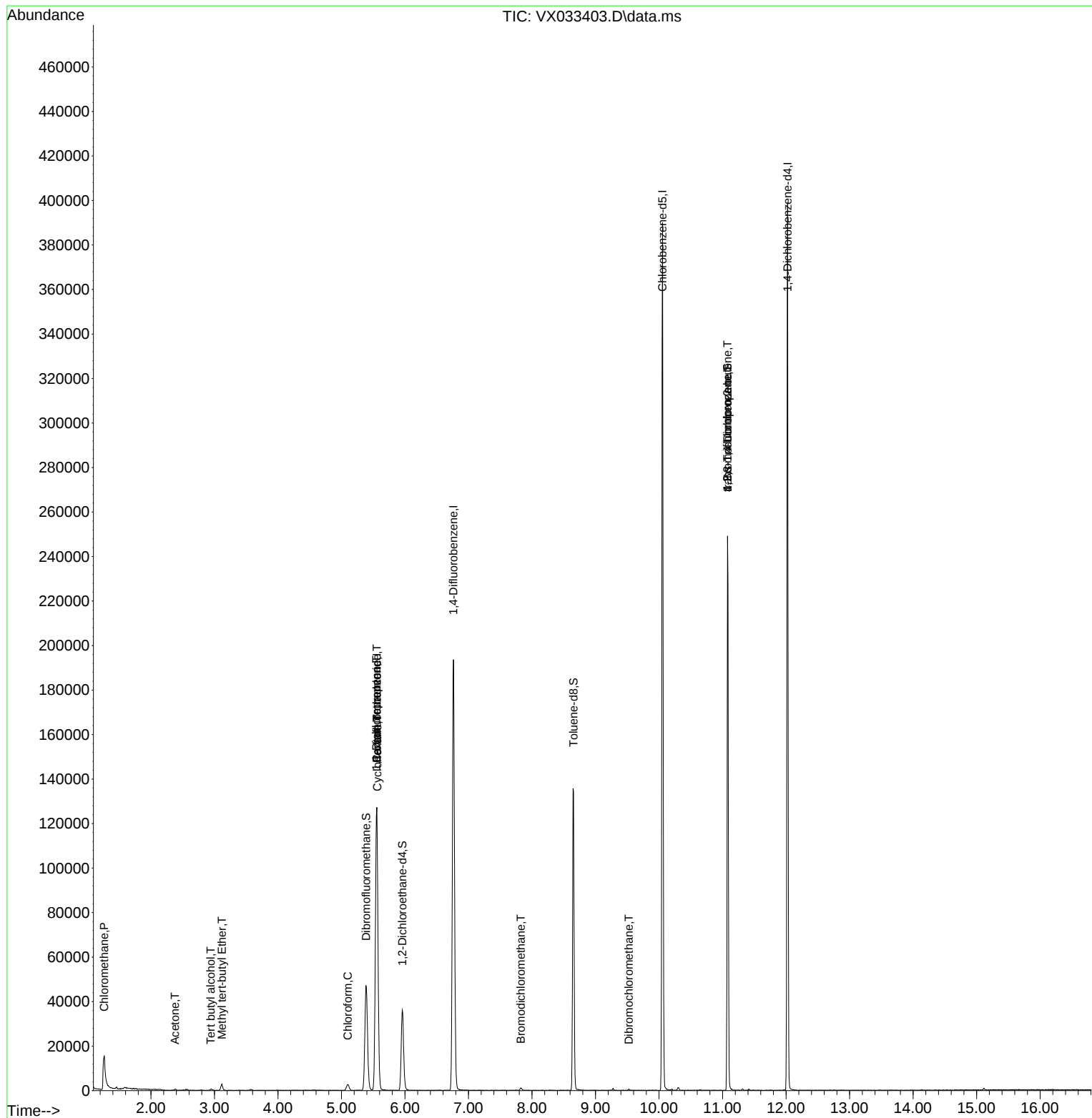
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 121529   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 201786   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 177801   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 81333    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 37655    | 48.297   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 96.600%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 41571    | 45.804   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 91.600%  |
| 50) Toluene-d8                | 8.653  | 98    | 85078    | 44.810   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 89.620%# |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 64551    | 44.465   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 88.920%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.264  | 50    | 693      | 0.706    | ug/l # | 43       |
| 11) Tert butyl alcohol        | 2.940  | 59    | 435      | 1.825    | ug/l # | 72       |
| 16) Acetone                   | 2.379  | 43    | 643      | 1.115    | ug/l   | 99       |
| 19) Methyl tert-butyl Ether   | 3.117  | 73    | 3000     | 0.786    | ug/l   | 98       |
| 30) Chloroform                | 5.098  | 83    | 3591     | 1.460    | ug/l   | 89       |
| 31) Cyclohexane               | 5.562  | 56    | 2128     | 1.148    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.549  | 75    | 9486     | 5.361    | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 12551    | 6.331    | ug/l # | 15       |
| 47) Bromodichloromethane      | 7.823  | 83    | 984      | 0.502    | ug/l # | 74       |
| 60) Dibromochloromethane      | 9.524  | 129   | 362      | 0.234    | ug/l   | 78       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 34636    | 20.932   | ug/l # | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 34636    | 65.111   | ug/l # | 6        |
| -----                         |        |       |          |          |        |          |

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

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Sample : N6001-18  
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ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-17

Quant Time: Dec 14 05:41:36 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120722W.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 07 12:43:54 2022  
Response via : Initial Calibration

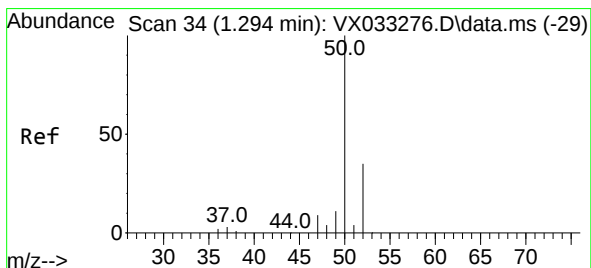
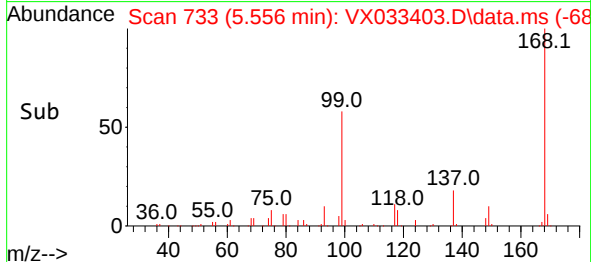
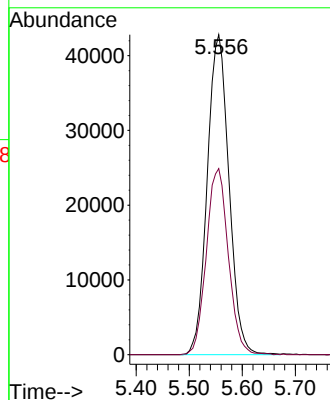
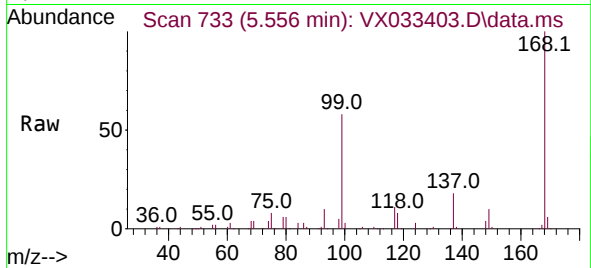




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX033403.D  
Acq: 13 Dec 2022 19:21

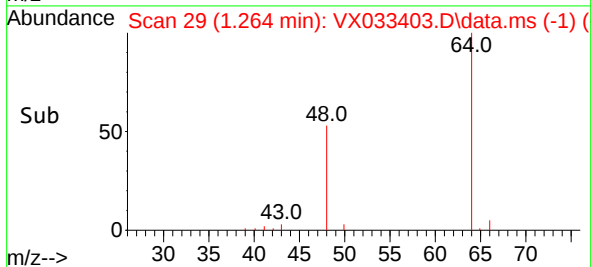
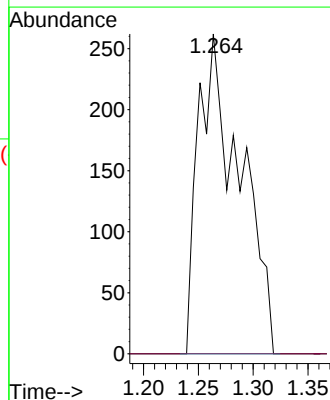
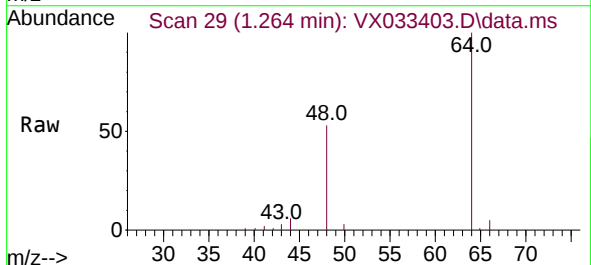
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-17

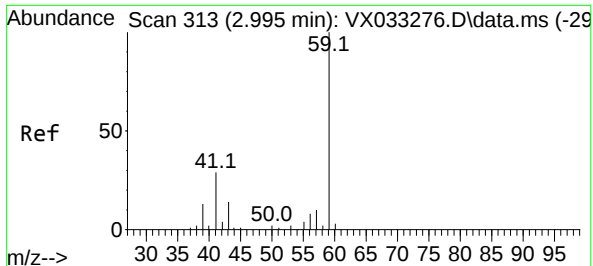
Tgt Ion:168 Resp: 121529  
Ion Ratio Lower Upper  
168 100  
99 58.2 46.1 69.1



#3  
Chloromethane  
Concen: 0.706 ug/l  
RT: 1.264 min Scan# 29  
Delta R.T. -0.030 min  
Lab File: VX033403.D  
Acq: 13 Dec 2022 19:21

Tgt Ion: 50 Resp: 693  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 1.825 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.055 min

Lab File: VX033403.D

Acq: 13 Dec 2022 19:21

Instrument :

MSVOA\_X

ClientSampleId :

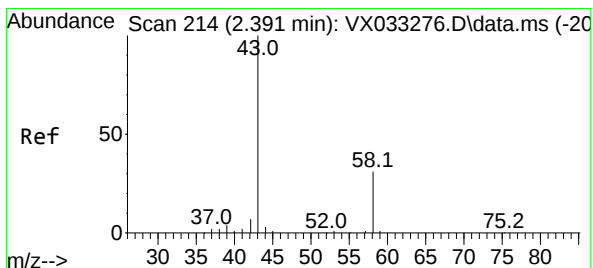
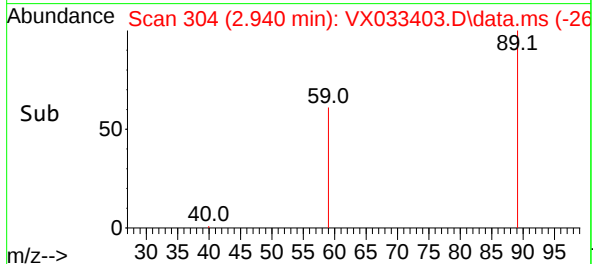
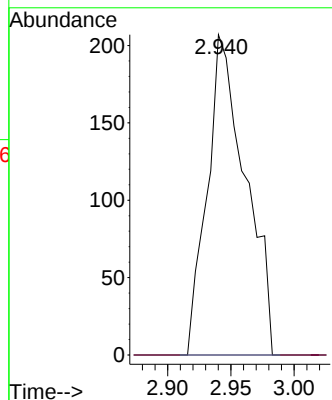
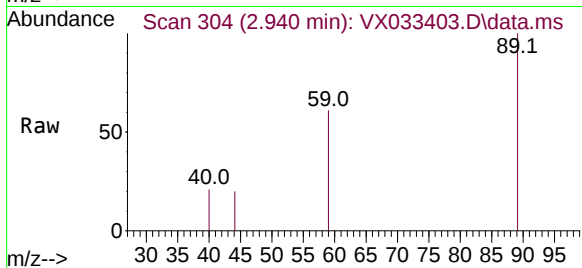
MW-17

Tgt Ion: 59 Resp: 435

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 1.115 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.012 min

Lab File: VX033403.D

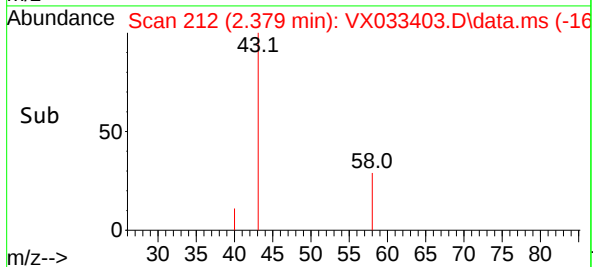
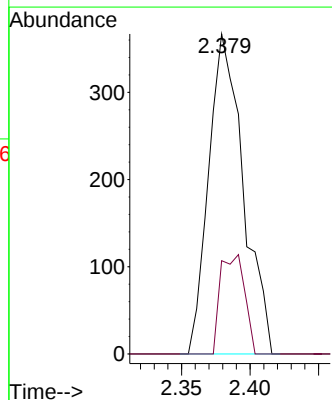
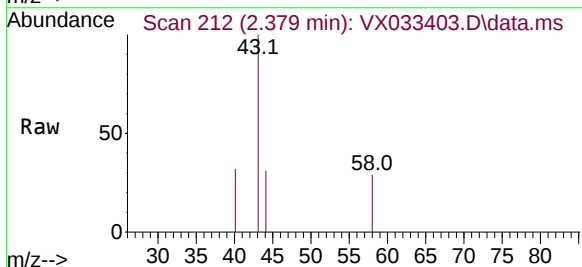
Acq: 13 Dec 2022 19:21

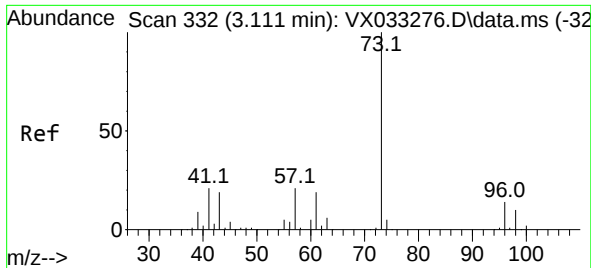
Tgt Ion: 43 Resp: 643

Ion Ratio Lower Upper

43 100

58 29.2 23.8 35.8

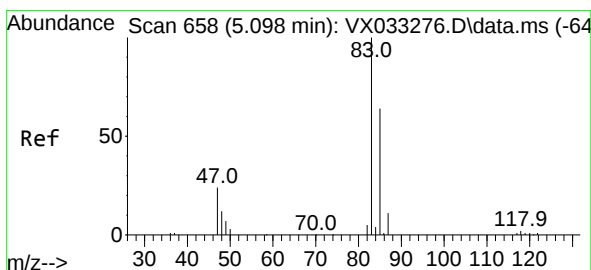
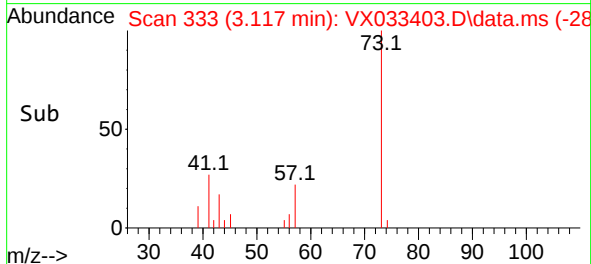
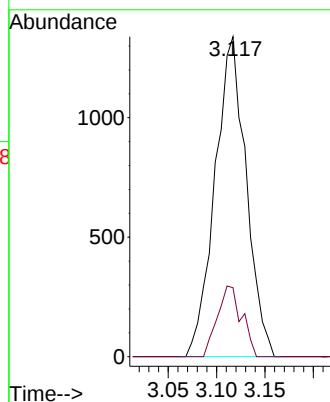
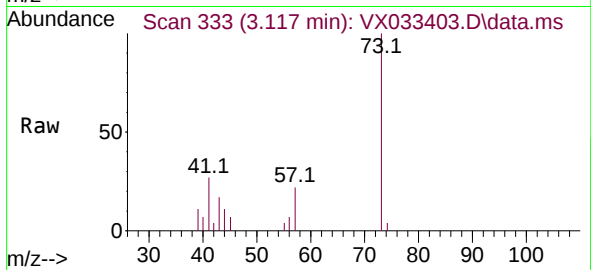




#19  
Methyl tert-butyl Ether  
Concen: 0.786 ug/l  
RT: 3.117 min Scan# 311  
Delta R.T. 0.006 min  
Lab File: VX033403.D  
Acq: 13 Dec 2022 19:21

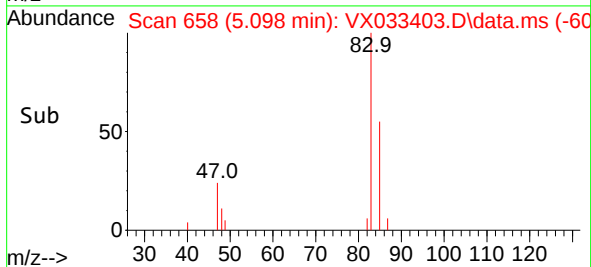
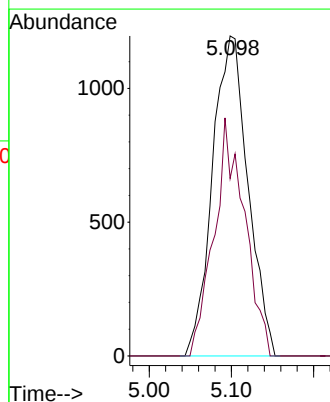
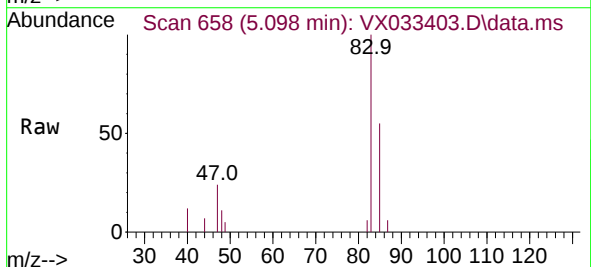
Instrument :  
MSVOA\_X  
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MW-17

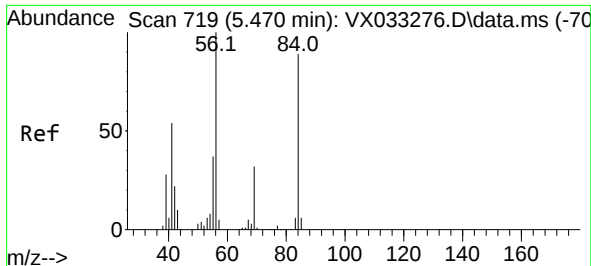
Tgt Ion: 73 Resp: 3000  
Ion Ratio Lower Upper  
73 100  
57 21.6 16.6 25.0



#30  
Chloroform  
Concen: 1.460 ug/l  
RT: 5.098 min Scan# 658  
Delta R.T. -0.000 min  
Lab File: VX033403.D  
Acq: 13 Dec 2022 19:21

Tgt Ion: 83 Resp: 3591  
Ion Ratio Lower Upper  
83 100  
85 55.4 51.1 76.7

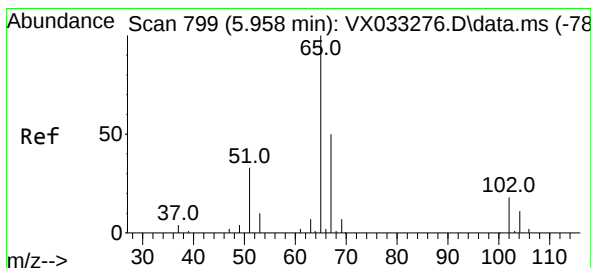
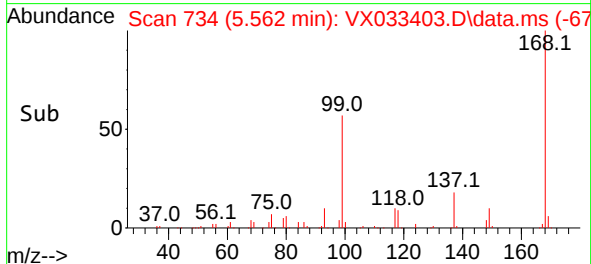
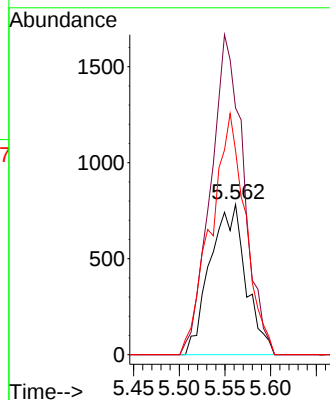
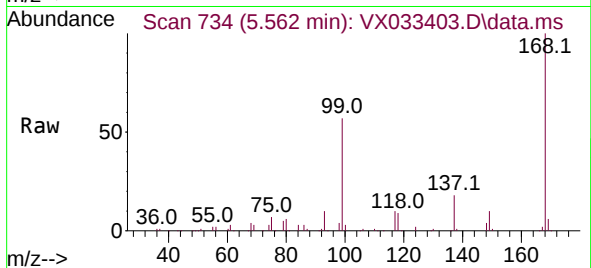




#31  
Cyclohexane  
Concen: 1.148 ug/l  
RT: 5.562 min Scan# 719  
Delta R.T. 0.091 min  
Lab File: VX033403.D  
Acq: 13 Dec 2022 19:21

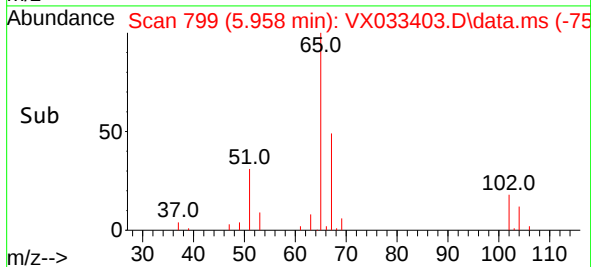
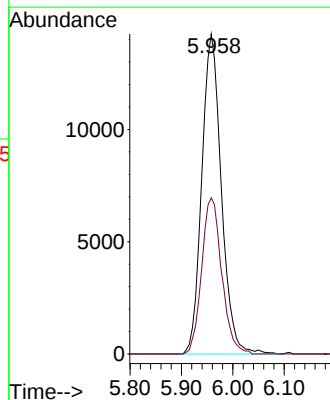
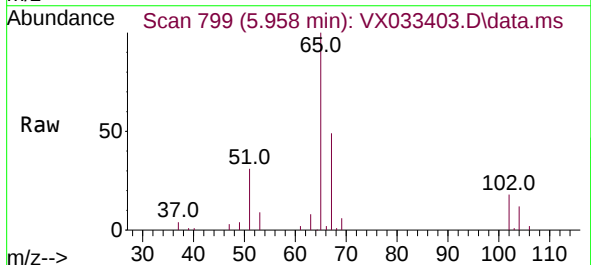
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-17

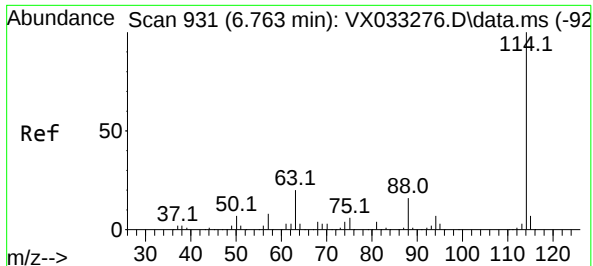
Tgt Ion: 56 Resp: 2128  
Ion Ratio Lower Upper  
56 100  
69 164.1 24.1 36.1#  
84 135.8 66.9 100.3#



#33  
1,2-Dichloroethane-d4  
Concen: 48.297 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VX033403.D  
Acq: 13 Dec 2022 19:21

Tgt Ion: 65 Resp: 37655  
Ion Ratio Lower Upper  
65 100  
67 49.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX033403.D

Acq: 13 Dec 2022 19:21

Instrument :

MSVOA\_X

ClientSampleId :

MW-17

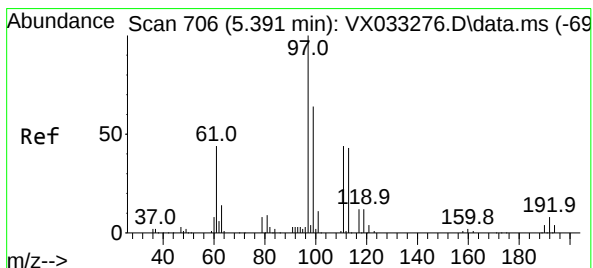
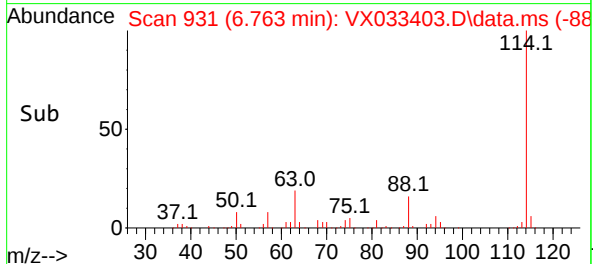
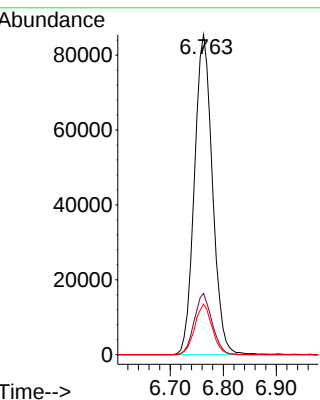
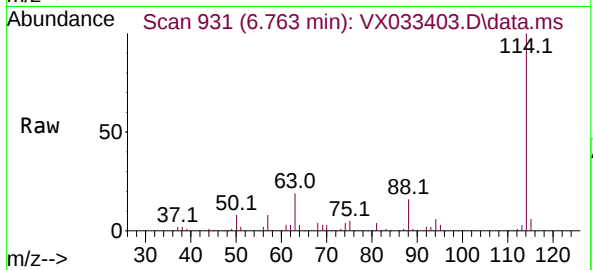
Tgt Ion:114 Resp: 201786

Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.6

88 15.8 0.0 33.4



#35

Dibromofluoromethane

Concen: 45.804 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX033403.D

Acq: 13 Dec 2022 19:21

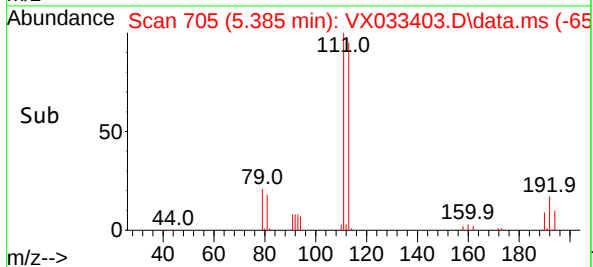
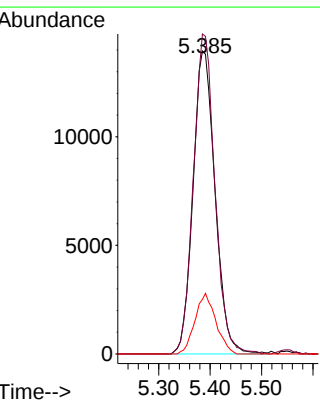
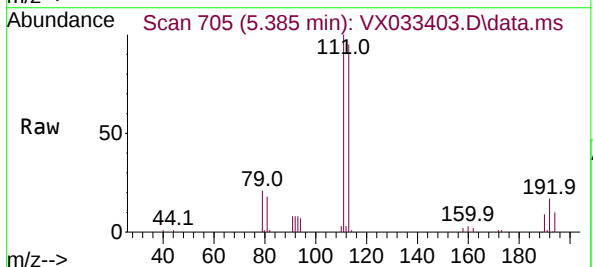
Tgt Ion:113 Resp: 41571

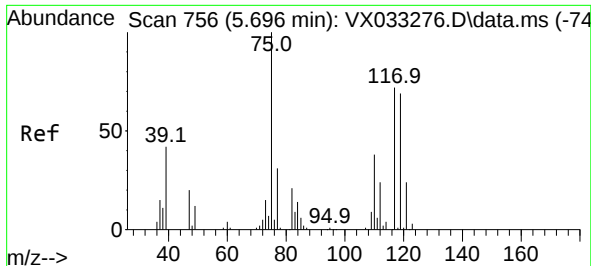
Ion Ratio Lower Upper

113 100

111 103.0 82.4 123.6

192 18.9 15.4 23.2

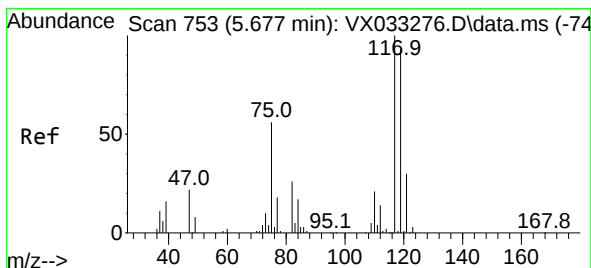
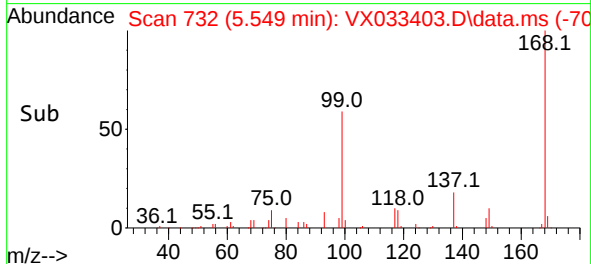
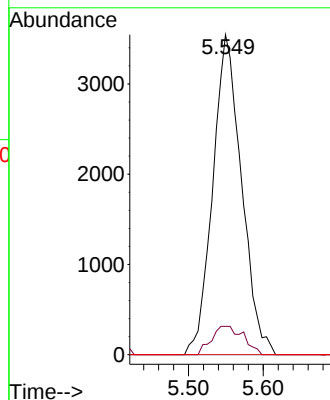
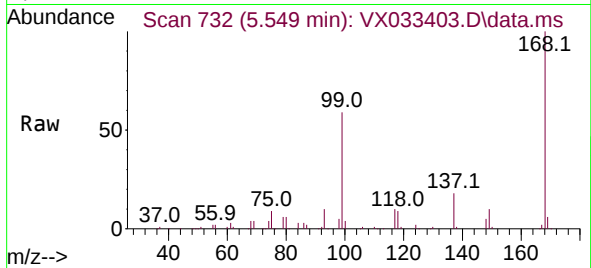




#36  
1,1-Dichloropropene  
Concen: 5.361 ug/l  
RT: 5.549 min Scan# 71  
Delta R.T. -0.146 min  
Lab File: VX033403.D  
Acq: 13 Dec 2022 19:21

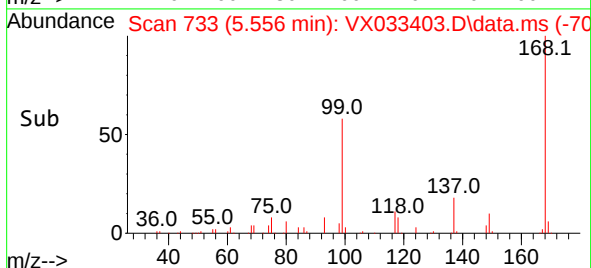
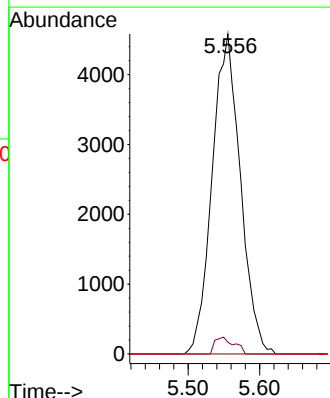
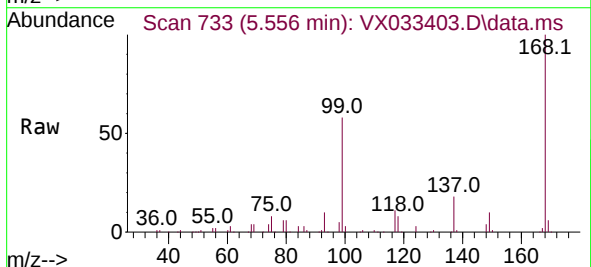
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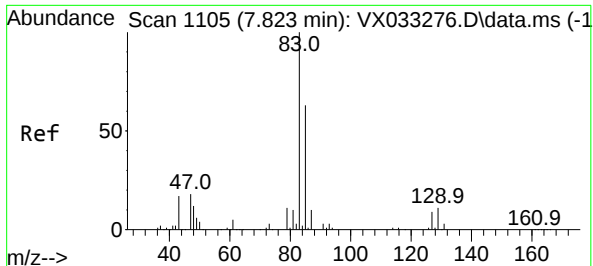
Tgt Ion: 75 Resp: 9486  
Ion Ratio Lower Upper  
75 100  
110 9.8 18.4 55.2#  
77 0.0 24.5 36.7#



#38  
Carbon Tetrachloride  
Concen: 6.331 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.122 min  
Lab File: VX033403.D  
Acq: 13 Dec 2022 19:21

Tgt Ion: 117 Resp: 12551  
Ion Ratio Lower Upper  
117 100  
119 3.7 77.2 115.8#  
121 0.0 25.8 38.6#

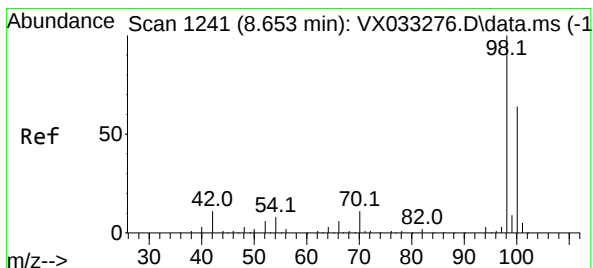
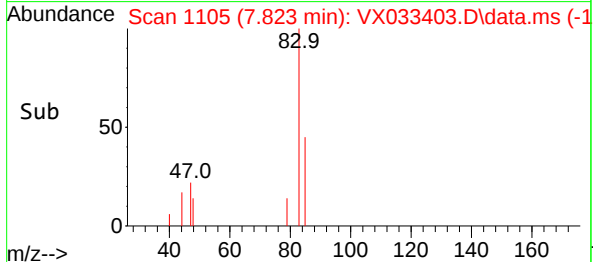
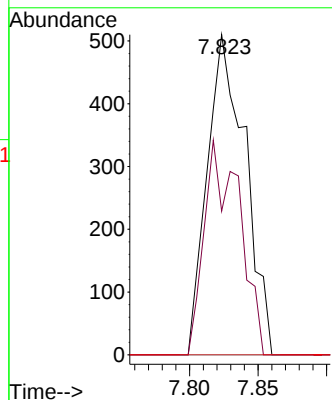
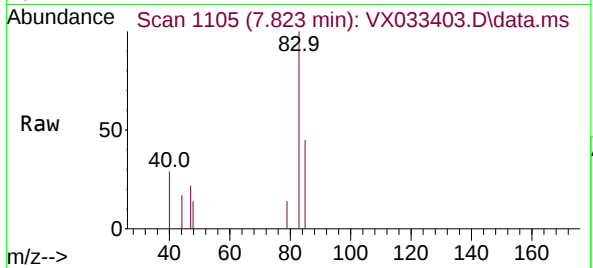




#47  
Bromodichloromethane  
Concen: 0.502 ug/l  
RT: 7.823 min Scan# 1105  
Delta R.T. -0.000 min  
Lab File: VX033403.D  
Acq: 13 Dec 2022 19:21

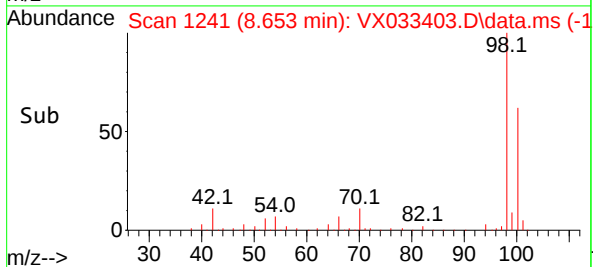
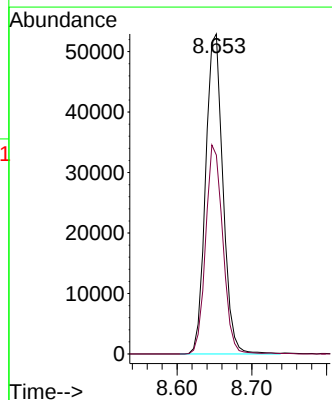
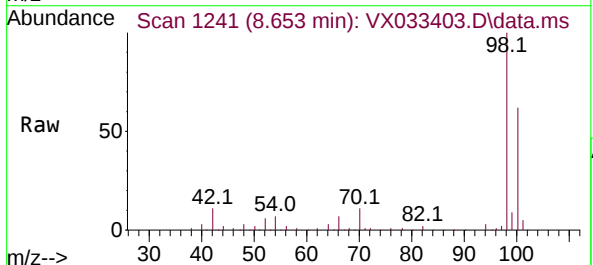
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-17

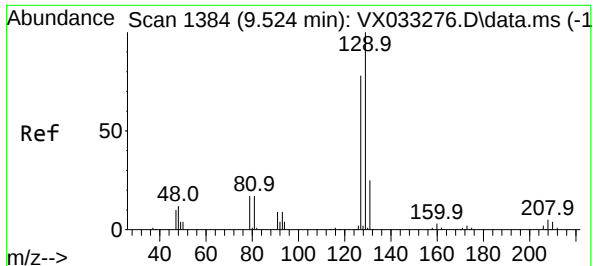
Tgt Ion: 83 Resp: 984  
Ion Ratio Lower Upper  
83 100  
85 44.9 52.2 78.4#  
127 0.0 7.4 11.2#



#50  
Toluene-d8  
Concen: 44.810 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX033403.D  
Acq: 13 Dec 2022 19:21

Tgt Ion: 98 Resp: 85078  
Ion Ratio Lower Upper  
98 100  
100 64.6 50.9 76.3

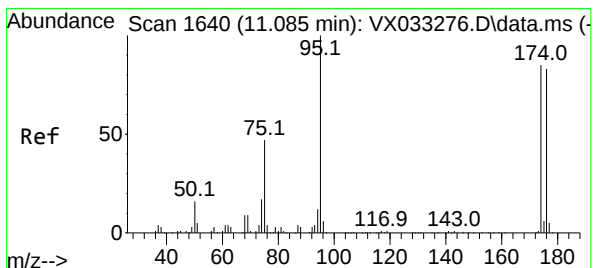
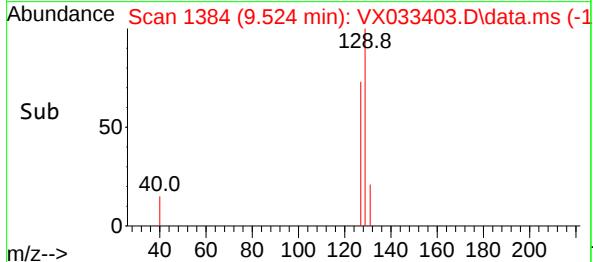
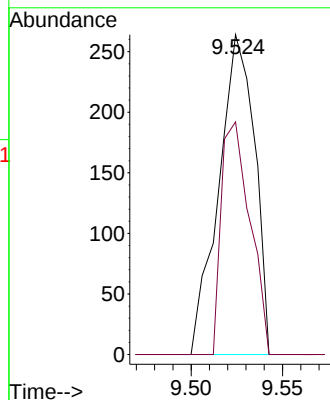
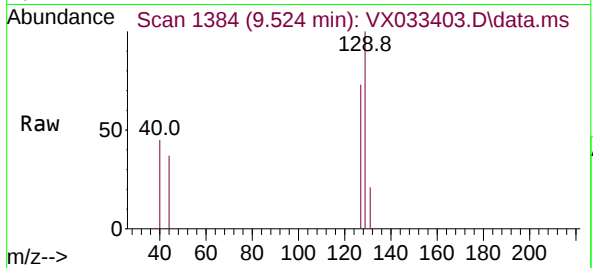




#60  
Dibromochloromethane  
Concen: 0.234 ug/l  
RT: 9.524 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX033403.D  
Acq: 13 Dec 2022 19:21

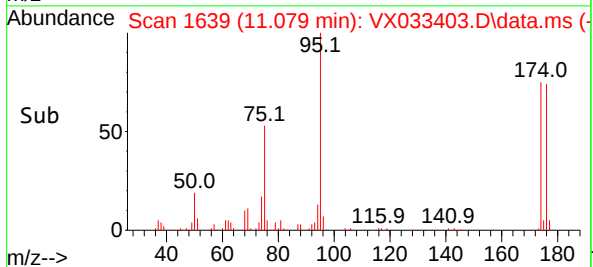
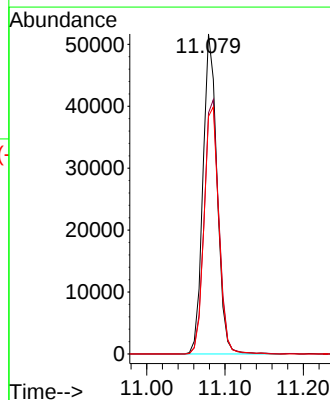
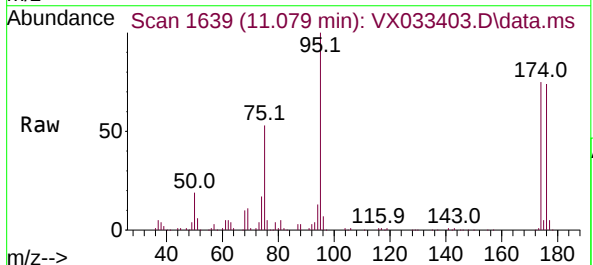
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-17

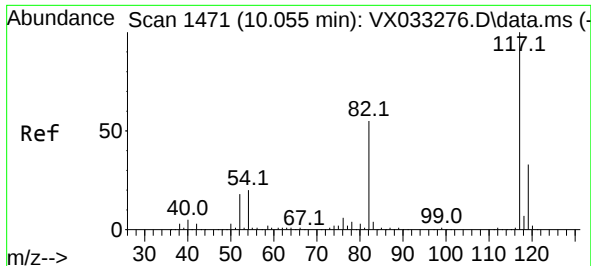
Tgt Ion:129 Resp: 362  
Ion Ratio Lower Upper  
129 100  
127 58.0 38.6 115.8



#62  
4-Bromofluorobenzene  
Concen: 44.465 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.006 min  
Lab File: VX033403.D  
Acq: 13 Dec 2022 19:21

Tgt Ion: 95 Resp: 64551  
Ion Ratio Lower Upper  
95 100  
174 83.0 0.0 164.0  
176 80.8 0.0 154.4

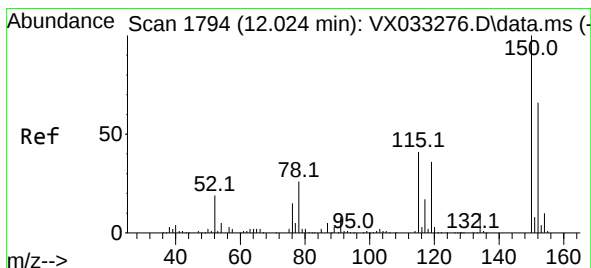
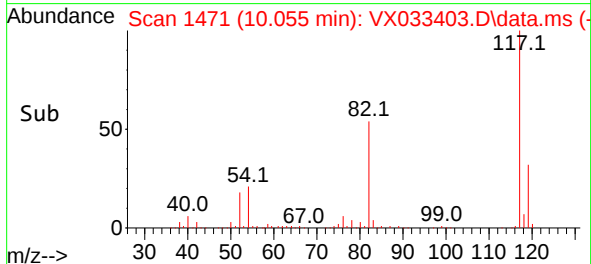
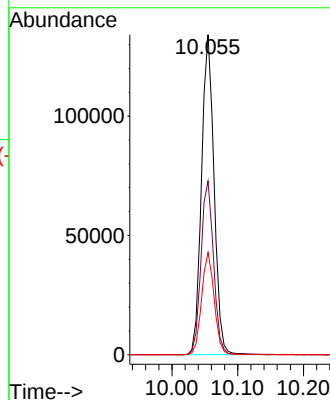
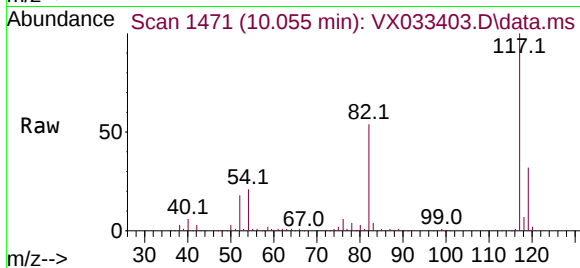




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX033403.D  
Acq: 13 Dec 2022 19:21

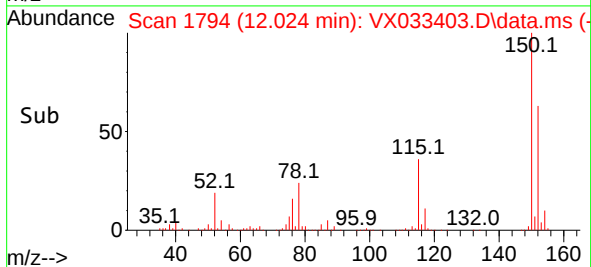
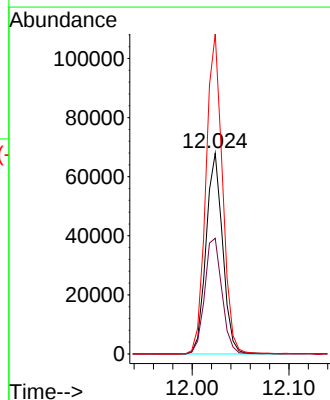
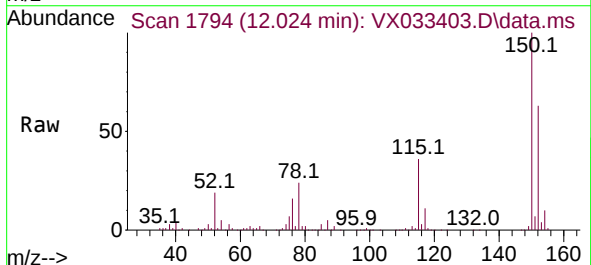
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-17

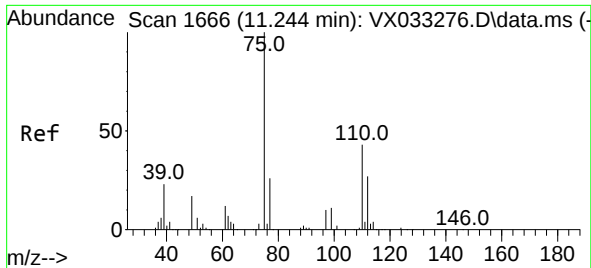
Tgt Ion:117 Resp: 177801  
Ion Ratio Lower Upper  
117 100  
82 54.2 44.3 66.5  
119 31.9 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX033403.D  
Acq: 13 Dec 2022 19:21

Tgt Ion:152 Resp: 81333  
Ion Ratio Lower Upper  
152 100  
115 60.1 44.0 132.0  
150 158.9 0.0 351.8

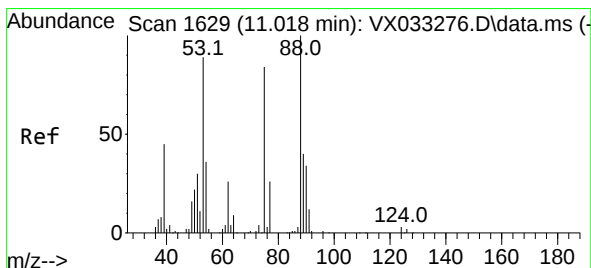
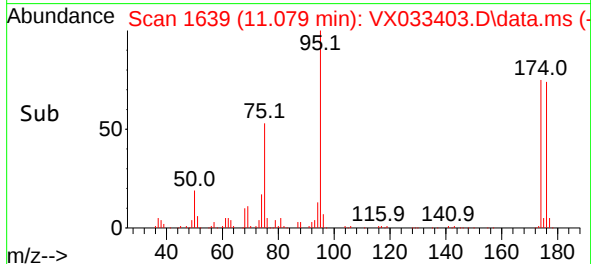
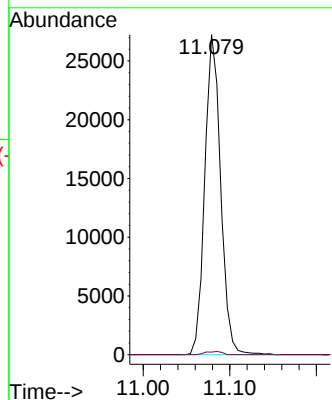
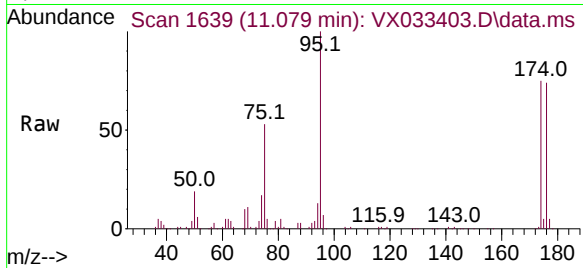




#76  
1,2,3-Trichloropropane  
Concen: 20.932 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX033403.D  
Acq: 13 Dec 2022 19:21

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-17

Tgt Ion: 75 Resp: 34636  
Ion Ratio Lower Upper  
75 100  
77 1.0 20.0 60.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 65.111 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX033403.D  
Acq: 13 Dec 2022 19:21

Tgt Ion: 75 Resp: 34636  
Ion Ratio Lower Upper  
75 100  
53 0.0 86.9 130.3#  
89 0.0 38.3 57.5#

