

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091021\  
 Data File : VX024170.D  
 Acq On : 10 Sep 2021 16:56  
 Operator : JC/MD  
 Sample : M3689-02 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

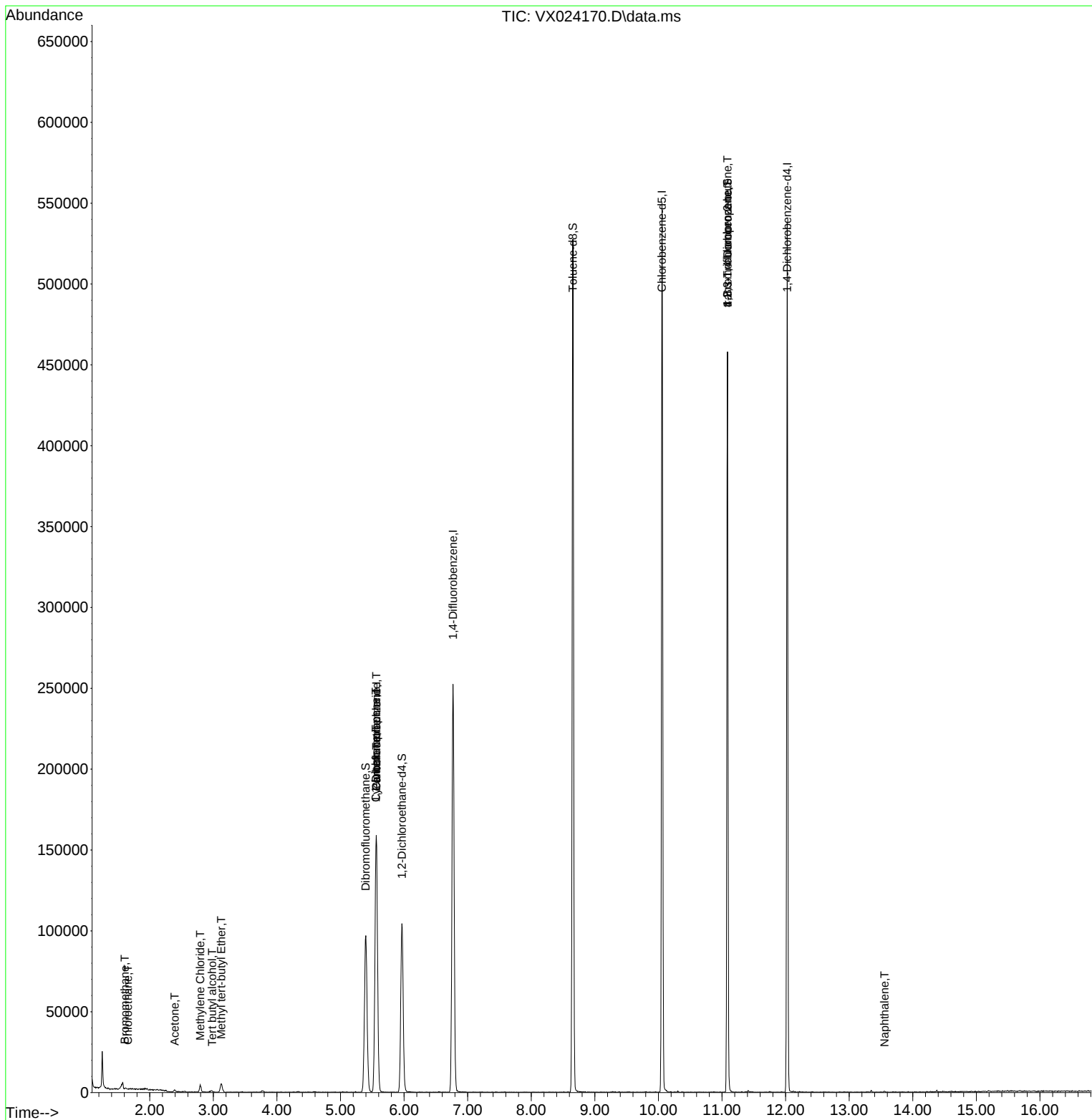
Instrument :  
 MSVOA\_X  
 ClientSampleId :

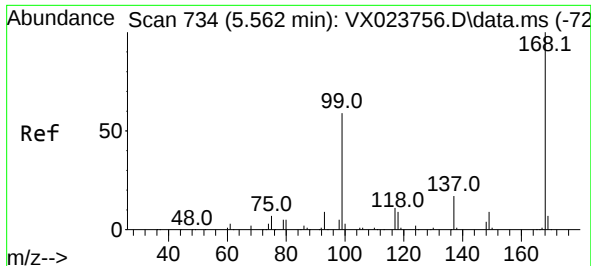
Quant Time: Sep 11 04:25:15 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 17 11:57:51 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 5.562          | 168  | 148922              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769          | 114  | 251675              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 241230              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 104946              | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964          | 65   | 107768              | 51.849 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 103.700% |        |        |          |
| 35) Dibromofluoromethane      | 5.397          | 113  | 83168               | 49.928 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 99.860%  |        |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 305879              | 48.246 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 96.500%  |        |        |          |
| 62) 4-Bromofluorobenzene      | 11.085         | 95   | 115688              | 49.568 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 99.140%  |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      | Qvalue              |        |        |          |
| 5) Bromomethane               | 1.605          | 94   | 330                 | 0.312  | ug/l # | 65       |
| 6) Chloroethane               | 1.654          | 64   | 245                 | 2.384  | ug/l # | 43       |
| 11) Tert butyl alcohol        | 2.983          | 59   | 1151                | 2.738  | ug/l # | 84       |
| 16) Acetone                   | 2.392          | 43   | 1310                | 1.410  | ug/l # | 70       |
| 19) Methyl tert-butyl Ether   | 3.123          | 73   | 5529                | 1.112  | ug/l   | 96       |
| 20) Methylene Chloride        | 2.794          | 84   | 2064                | 1.163  | ug/l   | 97       |
| 31) Cyclohexane               | 5.556          | 56   | 3204                | 1.200  | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.556          | 75   | 11321               | 4.857  | ug/l # | 46       |
| 38) Carbon Tetrachloride      | 5.562          | 117  | 15832               | 6.514  | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 11.085         | 75   | 61676               | 25.193 | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.085         | 75   | 61676               | 74.107 | ug/l # | 12       |
| 95) Naphthalene               | 13.555         | 128  | 174                 | 1.305  | ug/l # | 1        |
| -----                         |                |      |                     |        |        |          |

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

Quant Time: Sep 11 04:25:15 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081721W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 17 11:57:51 2021  
Response via : Initial Calibration

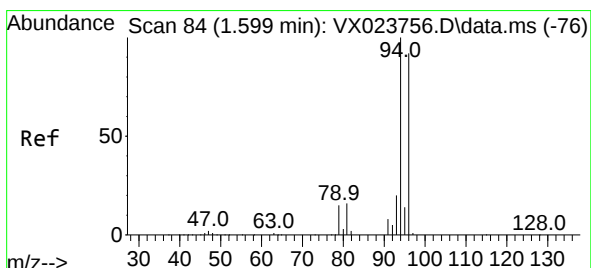
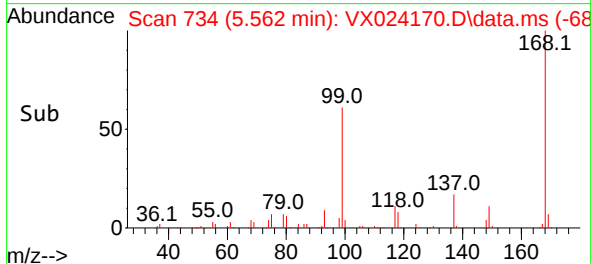
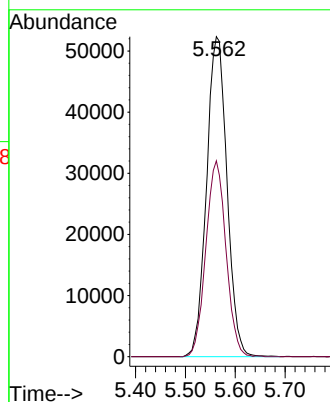
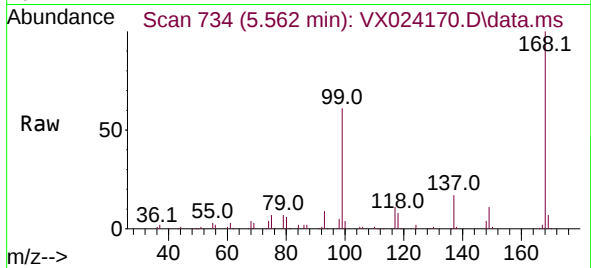




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.000 min  
Lab File: VX024170.D  
Acq: 10 Sep 2021 16:56

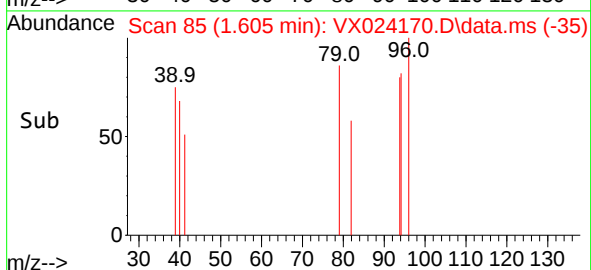
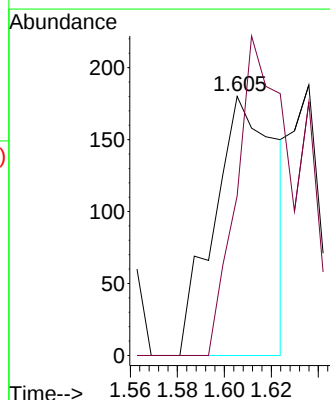
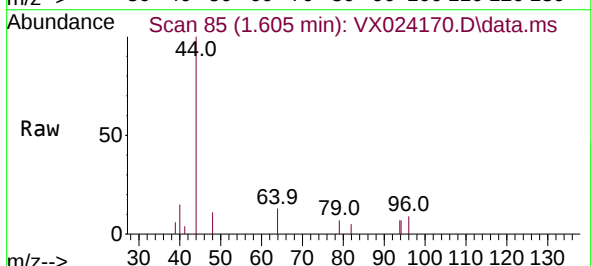
Instrument :  
MSVOA\_X  
ClientSampleId :

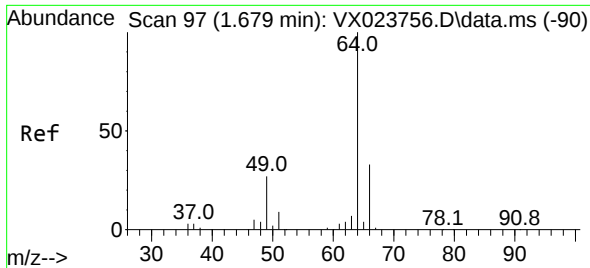
Tgt Ion:168 Resp: 148922  
Ion Ratio Lower Upper  
168 100  
99 61.2 45.8 68.6



#5  
Bromomethane  
Concen: 0.312 ug/l  
RT: 1.605 min Scan# 85  
Delta R.T. 0.006 min  
Lab File: VX024170.D  
Acq: 10 Sep 2021 16:56

Tgt Ion: 94 Resp: 330  
Ion Ratio Lower Upper  
94 100  
96 61.7 76.4 114.6#

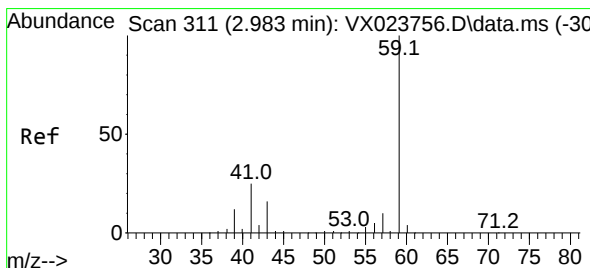
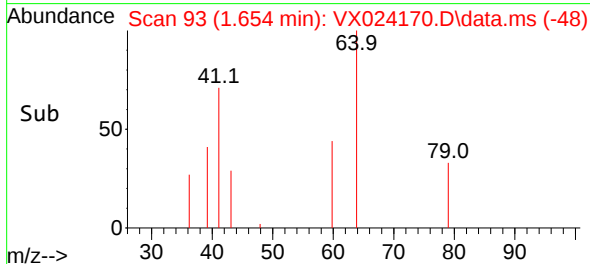
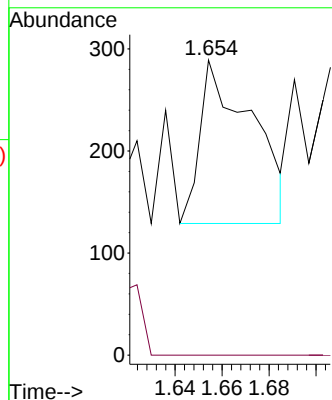
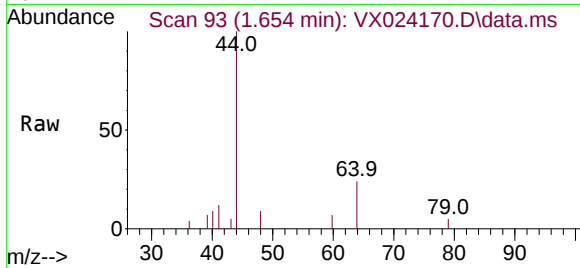




#6  
Chloroethane  
Concen: 2.384 ug/l  
RT: 1.654 min Scan# 93  
Delta R.T. -0.025 min  
Lab File: VX024170.D  
Acq: 10 Sep 2021 16:56

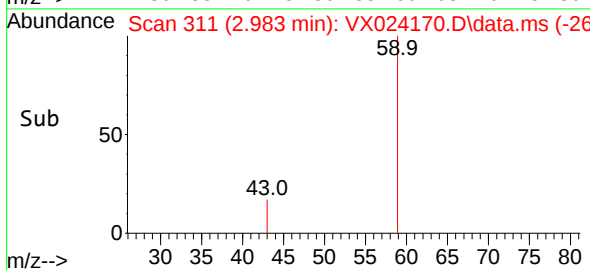
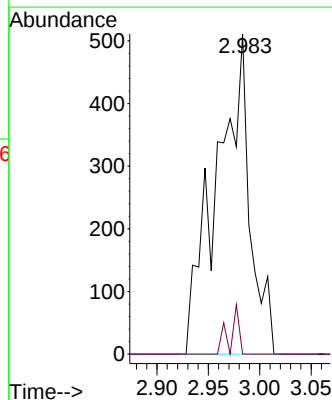
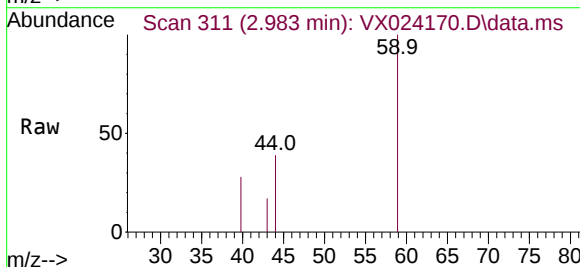
Instrument :  
MSVOA\_X  
ClientSampled :

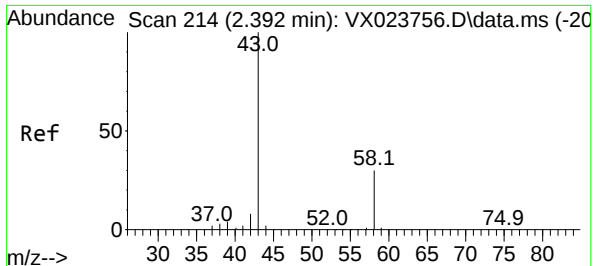
Tgt Ion: 64 Resp: 245  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.0#



#11  
Tert butyl alcohol  
Concen: 2.738 ug/l  
RT: 2.983 min Scan# 311  
Delta R.T. 0.000 min  
Lab File: VX024170.D  
Acq: 10 Sep 2021 16:56

Tgt Ion: 59 Resp: 1151  
Ion Ratio Lower Upper  
59 100  
57 4.1 7.8 11.8#

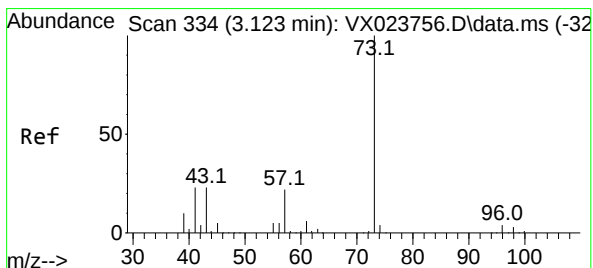
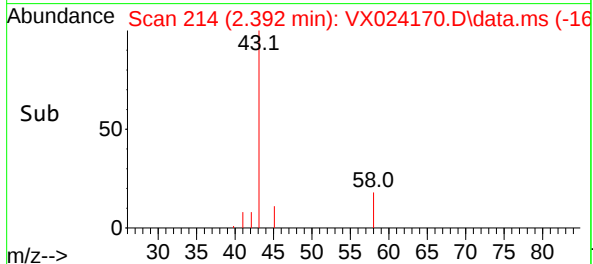
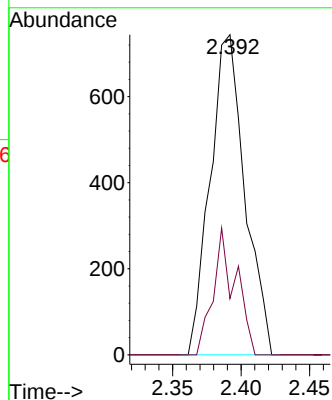
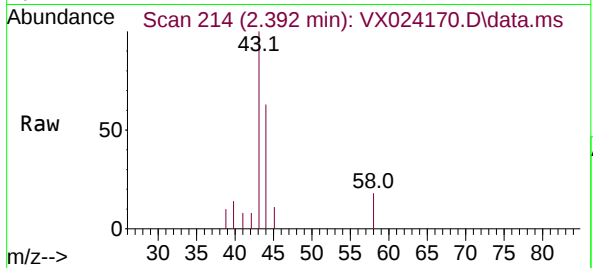




#16  
Acetone  
Concen: 1.410 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX024170.D  
Acq: 10 Sep 2021 16:56

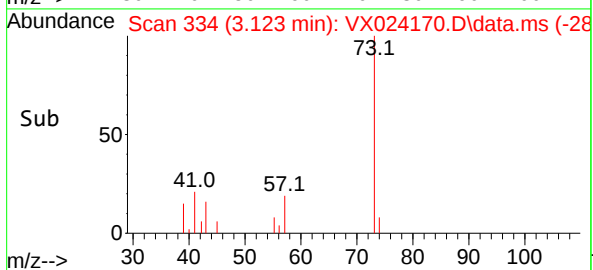
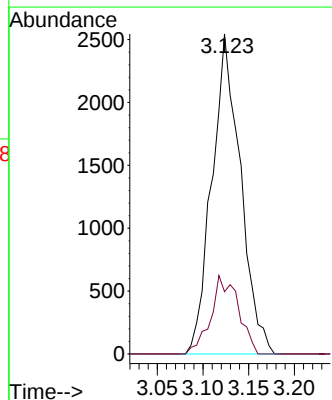
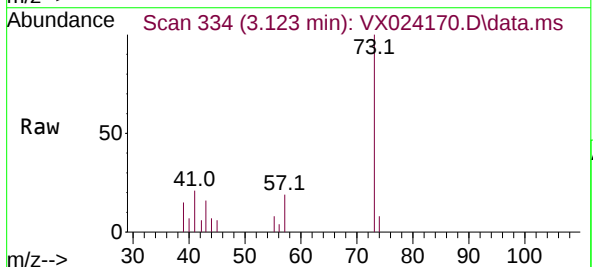
Instrument :  
MSVOA\_X  
ClientSampleId :

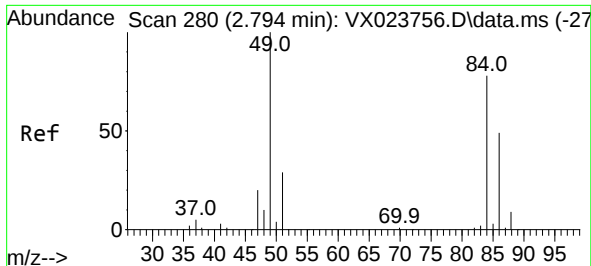
Tgt Ion: 43 Resp: 1310  
Ion Ratio Lower Upper  
43 100  
58 17.6 27.8 41.8#



#19  
Methyl tert-butyl Ether  
Concen: 1.112 ug/l  
RT: 3.123 min Scan# 334  
Delta R.T. 0.000 min  
Lab File: VX024170.D  
Acq: 10 Sep 2021 16:56

Tgt Ion: 73 Resp: 5529  
Ion Ratio Lower Upper  
73 100  
57 19.4 17.1 25.7





#20

Methylene Chloride

Concen: 1.163 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX024170.D

Acq: 10 Sep 2021 16:56

Tgt Ion: 84 Resp: 2064

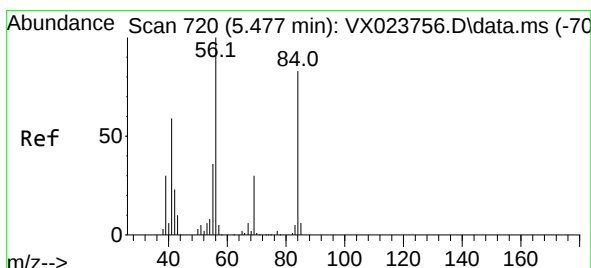
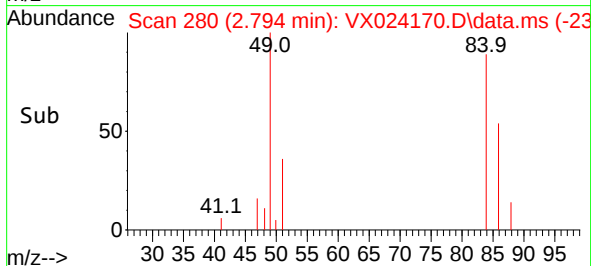
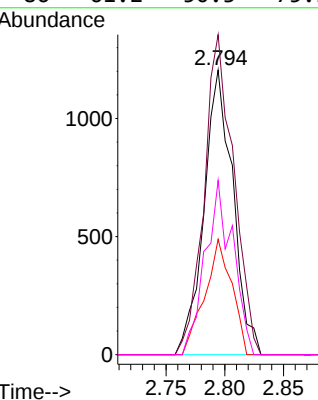
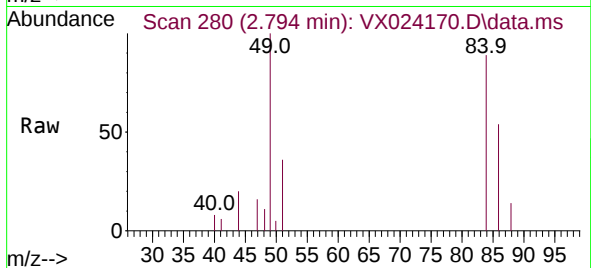
Ion Ratio Lower Upper

84 100

49 112.4 88.6 132.8

51 40.5 27.0 40.6

86 61.2 50.3 75.5



#31

Cyclohexane

Concen: 1.200 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX024170.D

Acq: 10 Sep 2021 16:56

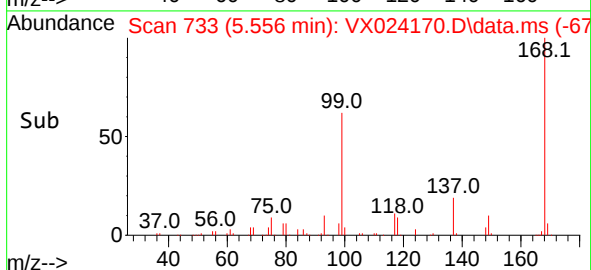
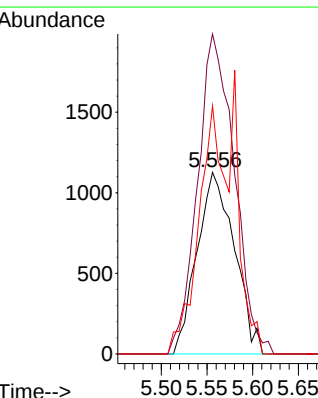
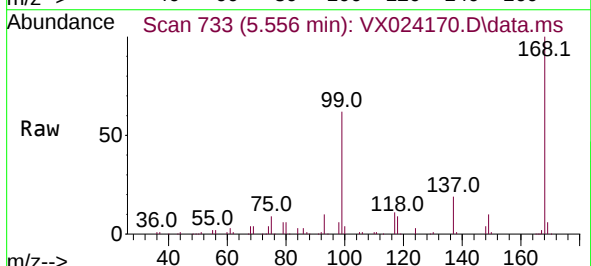
Tgt Ion: 56 Resp: 3204

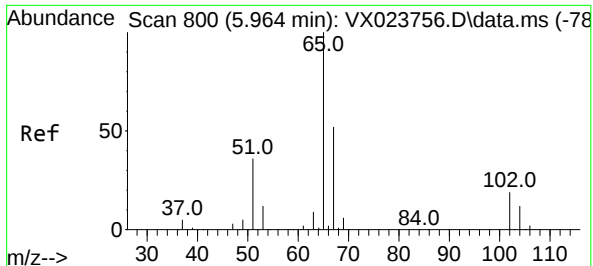
Ion Ratio Lower Upper

56 100

69 176.2 25.3 37.9#

84 136.6 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 51.849 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX024170.D

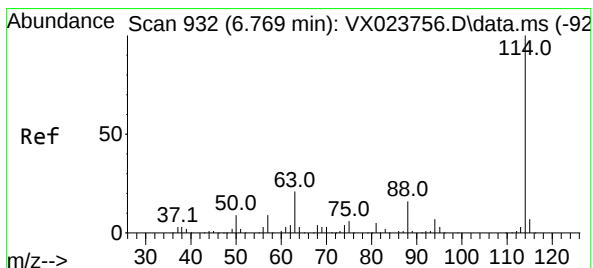
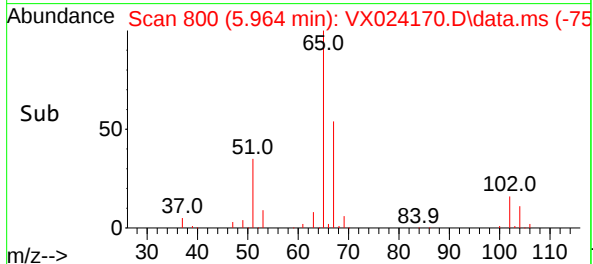
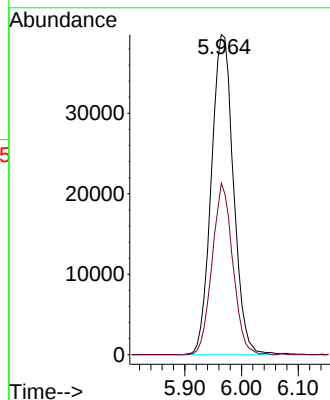
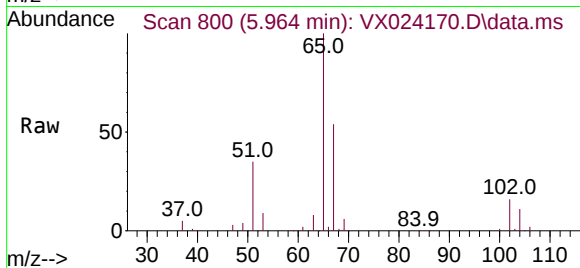
Acq: 10 Sep 2021 16:56

Tgt Ion: 65 Resp: 107768

Ion Ratio Lower Upper

65 100

67 50.0 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX024170.D

Acq: 10 Sep 2021 16:56

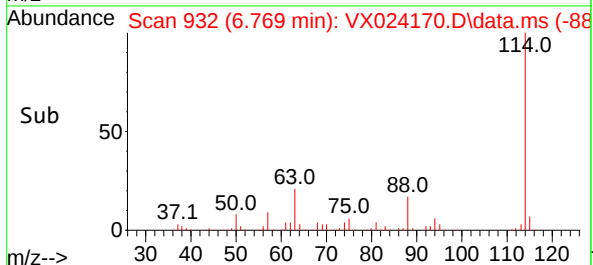
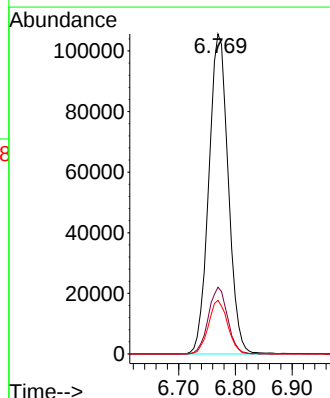
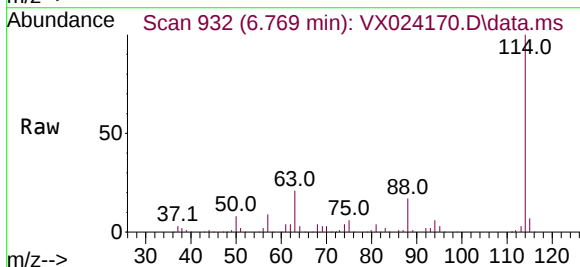
Tgt Ion: 114 Resp: 251675

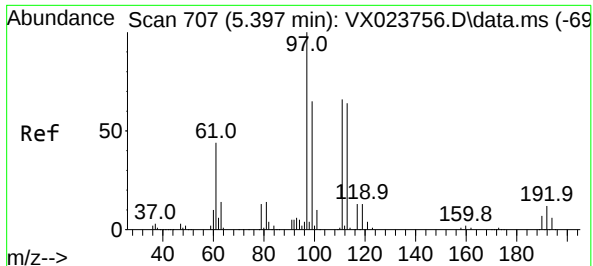
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

88 16.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.928 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024170.D

Acq: 10 Sep 2021 16:56

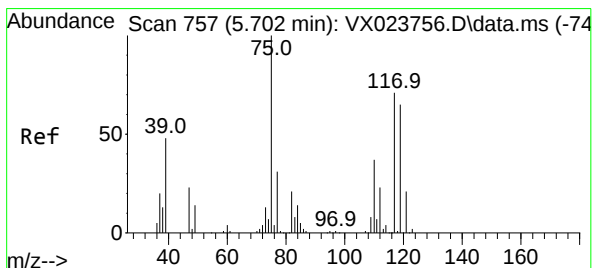
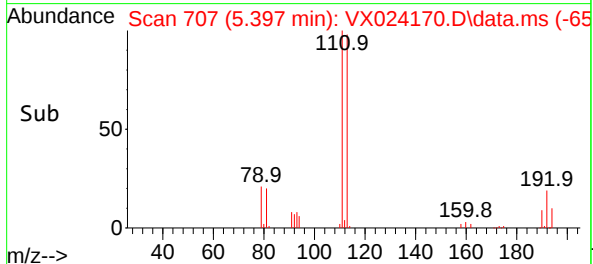
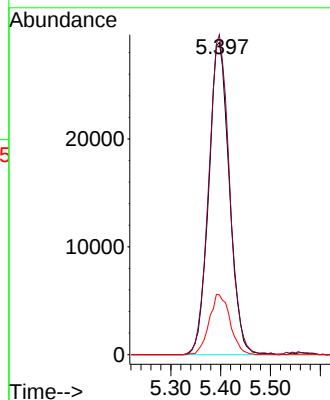
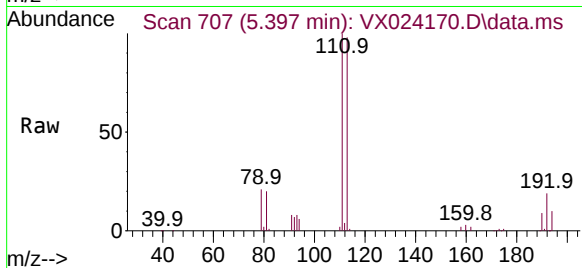
Tgt Ion:113 Resp: 83168

Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

192 19.6 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.857 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX024170.D

Acq: 10 Sep 2021 16:56

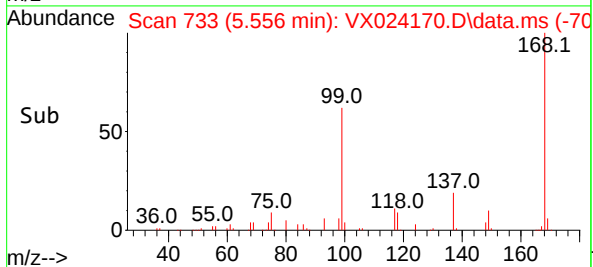
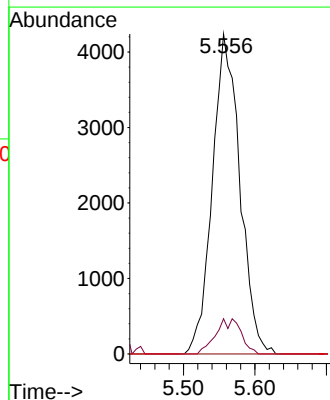
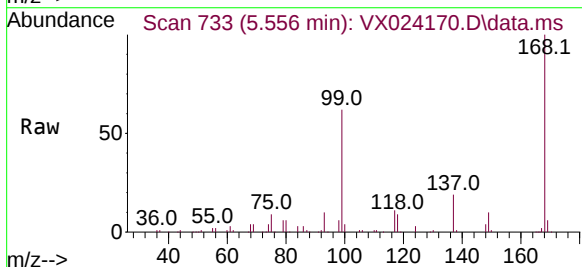
Tgt Ion: 75 Resp: 11321

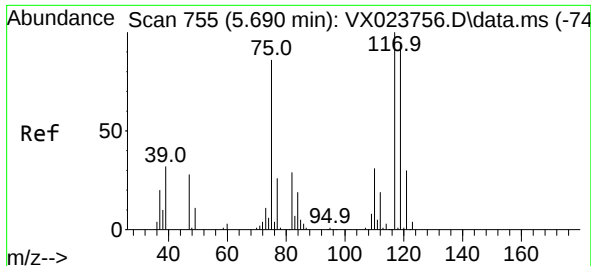
Ion Ratio Lower Upper

75 100

110 5.5 18.1 54.4#

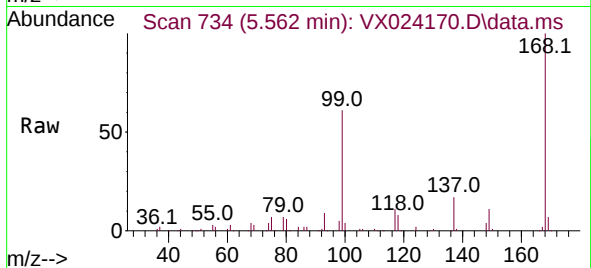
77 0.0 25.3 37.9#



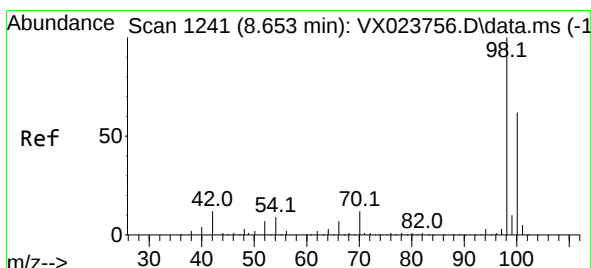
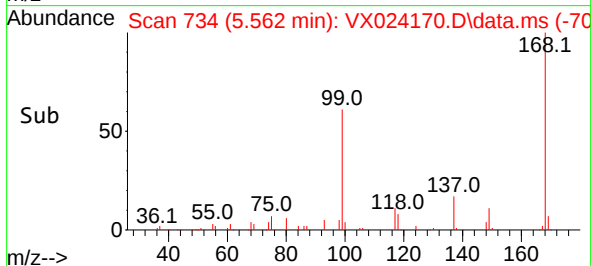
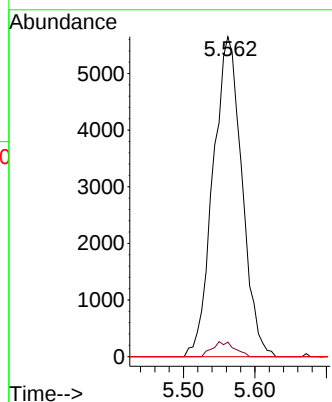


#38  
Carbon Tetrachloride  
Concen: 6.514 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.128 min  
Lab File: VX024170.D  
Acq: 10 Sep 2021 16:56

Instrument :  
MSVOA\_X  
ClientSampled :

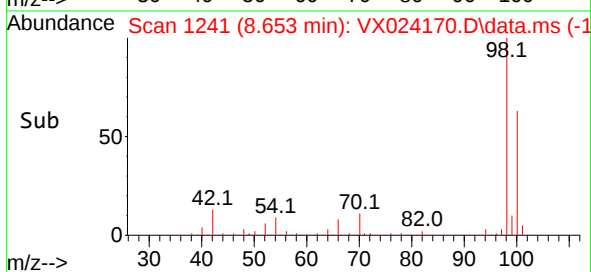
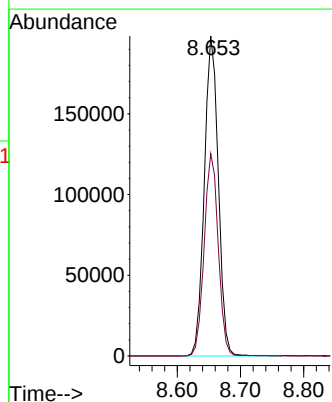
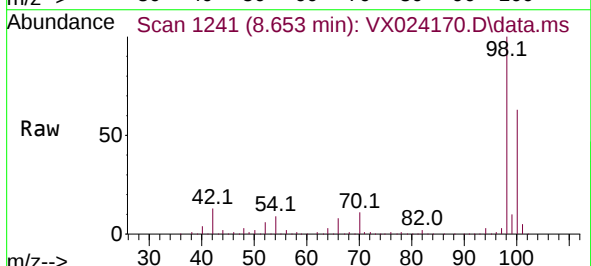


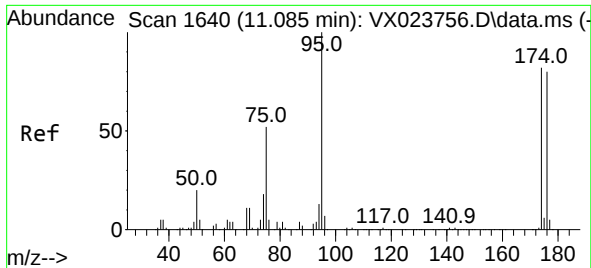
Tgt Ion:117 Resp: 15832  
Ion Ratio Lower Upper  
117 100  
119 4.5 76.2 114.2#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 48.246 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX024170.D  
Acq: 10 Sep 2021 16:56

Tgt Ion: 98 Resp: 305879  
Ion Ratio Lower Upper  
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100 63.4 51.9 77.9

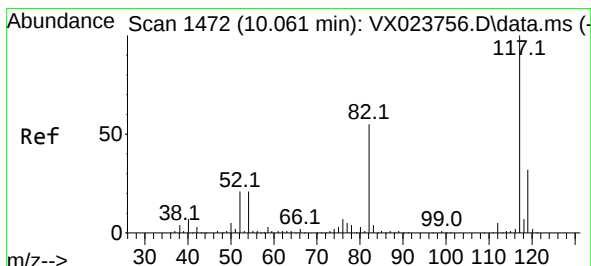
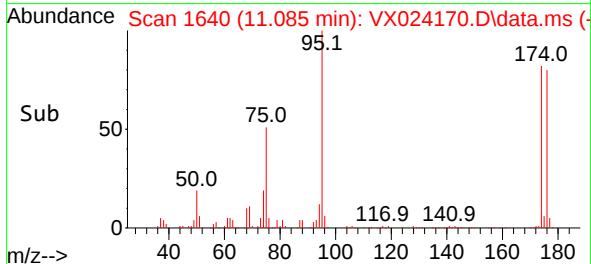
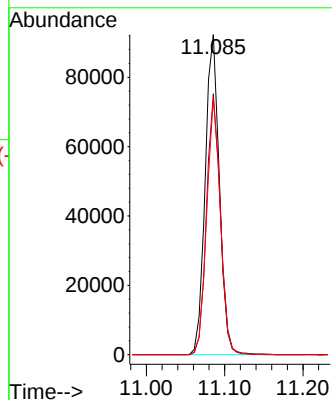
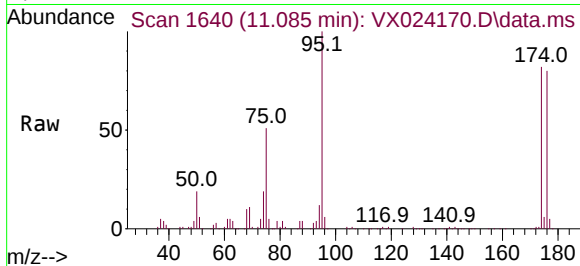




#62  
4-Bromofluorobenzene  
Concen: 49.568 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX024170.D  
Acq: 10 Sep 2021 16:56

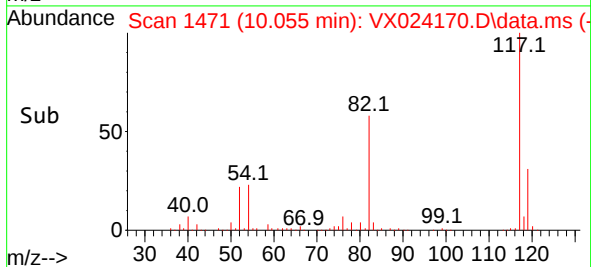
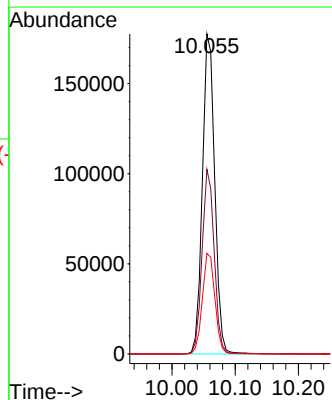
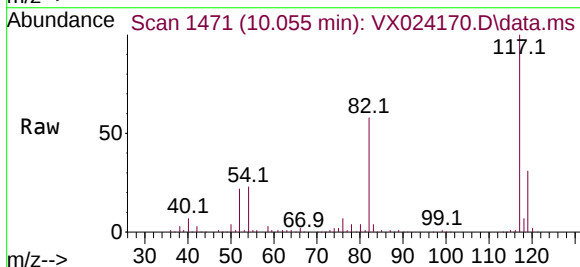
Instrument :  
MSVOA\_X  
ClientSampleId :

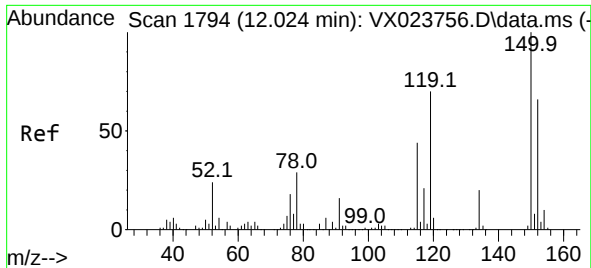
Tgt Ion: 95 Resp: 115688  
Ion Ratio Lower Upper  
95 100  
174 79.5 0.0 154.6  
176 77.5 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VX024170.D  
Acq: 10 Sep 2021 16:56

Tgt Ion: 117 Resp: 241230  
Ion Ratio Lower Upper  
117 100  
82 57.7 47.4 71.2  
119 31.4 26.6 39.8

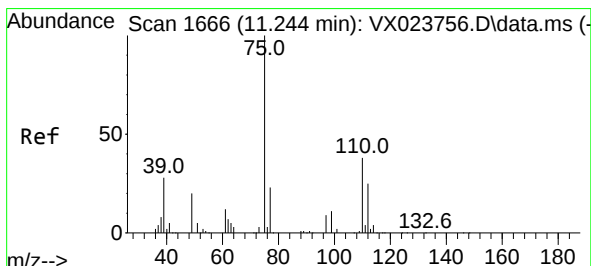
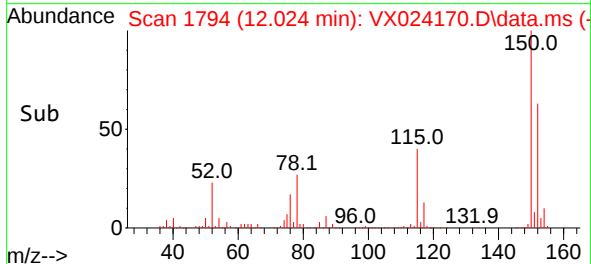
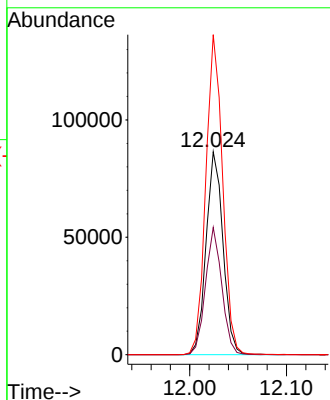
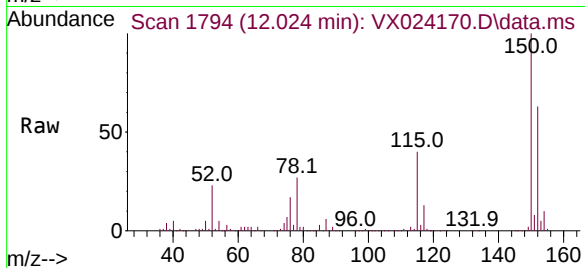




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. 0.000 min  
 Lab File: VX024170.D  
 Acq: 10 Sep 2021 16:56

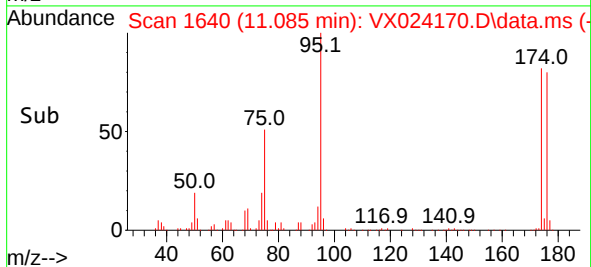
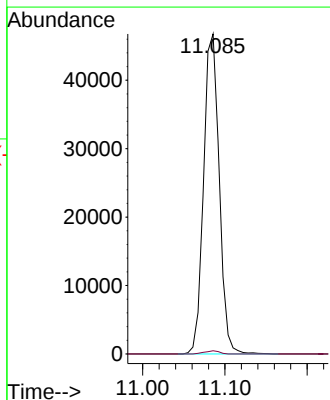
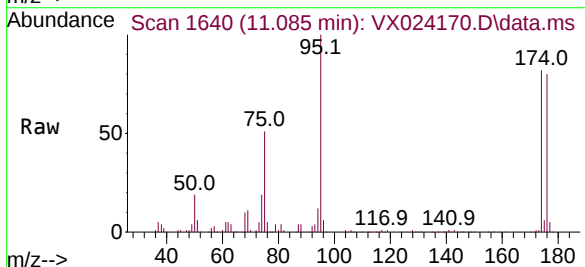
Instrument :  
 MSVOA\_X  
 ClientSampled :

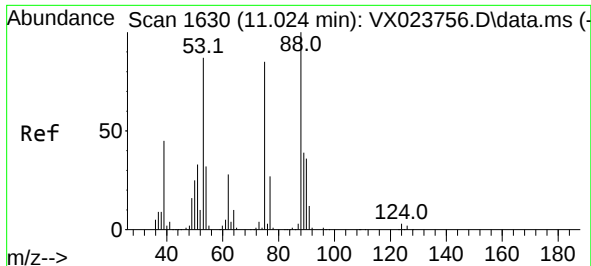
Tgt Ion:152 Resp: 104946  
 Ion Ratio Lower Upper  
 152 100  
 115 60.5 41.1 123.3  
 150 156.2 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 25.193 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. -0.159 min  
 Lab File: VX024170.D  
 Acq: 10 Sep 2021 16:56

Tgt Ion: 75 Resp: 61676  
 Ion Ratio Lower Upper  
 75 100  
 77 0.9 19.1 57.5#

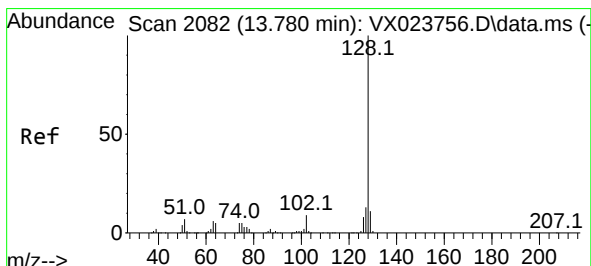
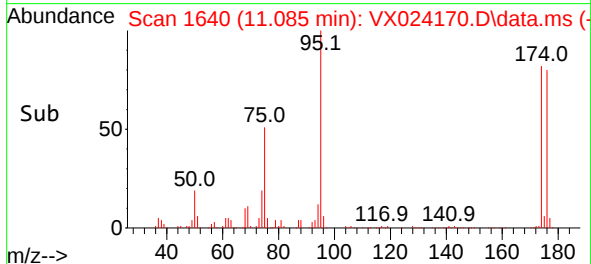
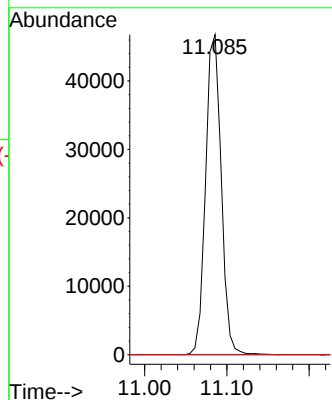
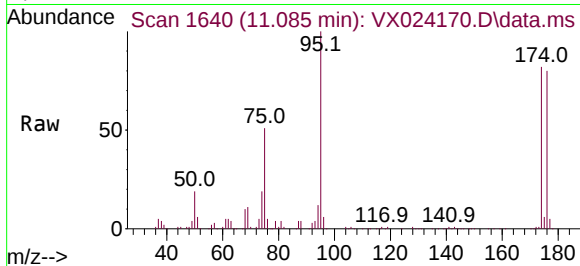




#81  
trans-1,4-Dichloro-2-butene  
Concen: 74.107 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX024170.D  
Acq: 10 Sep 2021 16:56

Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion: 75 Resp: 61676  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#



#95  
Naphthalene  
Concen: 1.305 ug/l  
RT: 13.555 min Scan# 2045  
Delta R.T. -0.225 min  
Lab File: VX024170.D  
Acq: 10 Sep 2021 16:56

Tgt Ion: 128 Resp: 174  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 163.8 8.8 13.2#

