

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092822\  
 Data File : VX031729.D  
 Acq On : 28 Sep 2022 16:04  
 Operator : JC/MD  
 Sample : N4846-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT158S1-20220923

Quant Time: Sep 29 04:32:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092622W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 27 01:44:18 2022  
 Response via : Initial Calibration

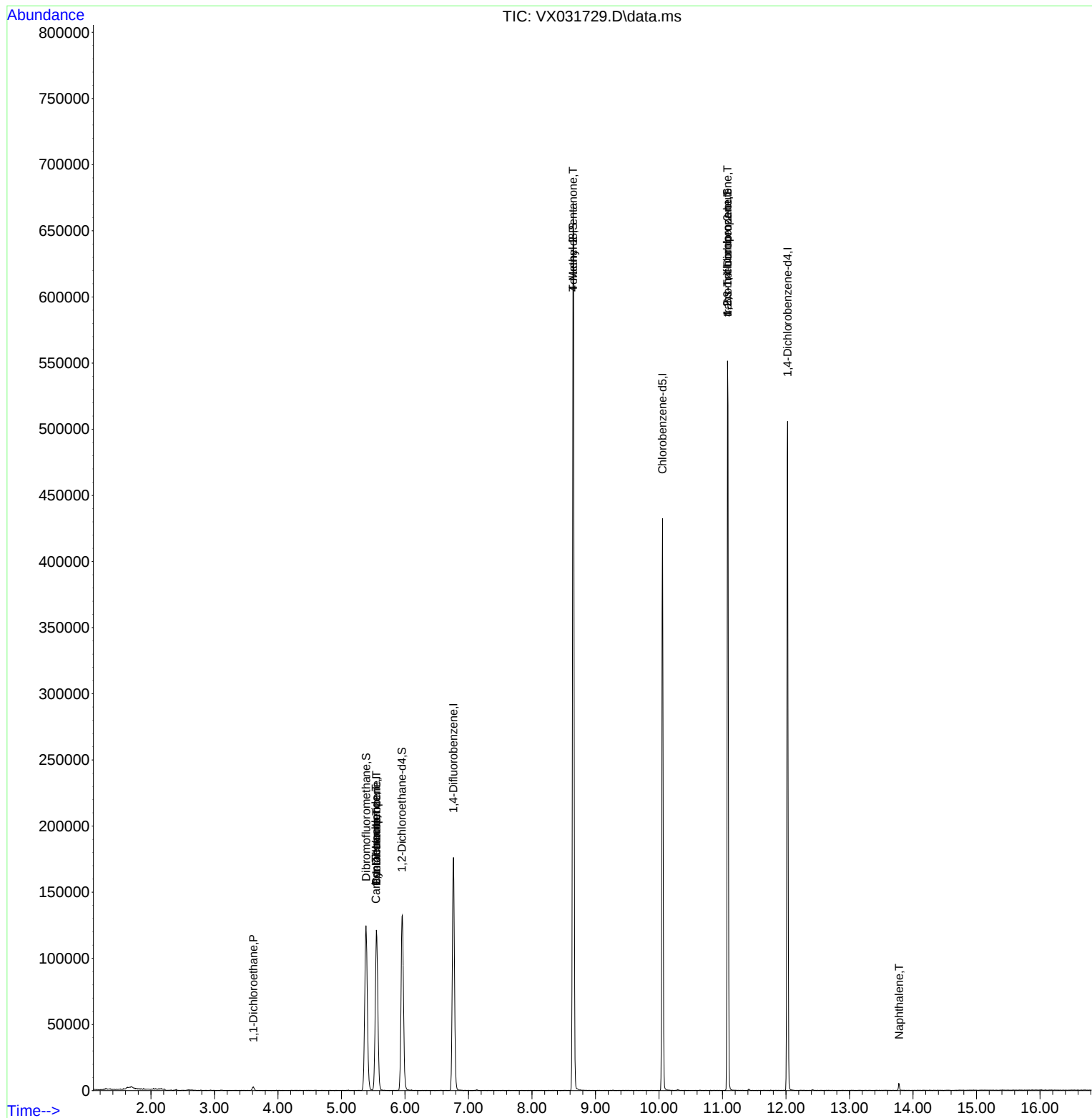
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 112445              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 184266              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 189788              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 102483              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 128567              | 53.872    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 107.740% |           |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 104228              | 47.472    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 94.940%  |           |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 403768              | 50.726    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 101.460% |           |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 136801              | 46.891    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 93.780%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 3) Chloromethane              | 1.288          | 50   | 192                 | Below Cal | #      | 31       |
| 5) Bromomethane               | 1.618          | 94   | 419                 | Below Cal |        | 83       |
| 6) Chloroethane               | 1.691          | 64   | 40                  | Below Cal | #      | 43       |
| 12) 1,1-Dichloroethene        | 2.319          | 96   | 19                  | Below Cal | #      | 15       |
| 16) Acetone                   | 2.398          | 43   | 740                 | Below Cal |        | 96       |
| 17) Carbon Disulfide          | 2.508          | 76   | 23                  | Below Cal | #      | 75       |
| 20) Methylene Chloride        | 2.782          | 84   | 124                 | Below Cal | #      | 42       |
| 24) 1,1-Dichloroethane        | 3.611          | 63   | 2924                | 1.002     | ug/l # | 93       |
| 31) Cyclohexane               | 5.550          | 56   | 2340                | 1.031     | ug/l # | 10       |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 8863                | 3.515     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.544          | 117  | 11665               | 4.105     | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 8.647          | 43   | 1742                | 0.688     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 74297               | 39.990    | ug/l # | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 74297               | 130.794   | ug/l # | 11       |
| 95) Naphthalene               | 13.780         | 128  | 3594                | 0.562     | ug/l   | 99       |
| -----                         |                |      |                     |           |        |          |

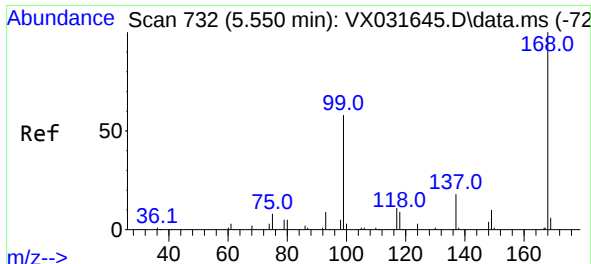
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092822\  
Data File : VX031729.D  
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Sample : N4846-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT158S1-20220923

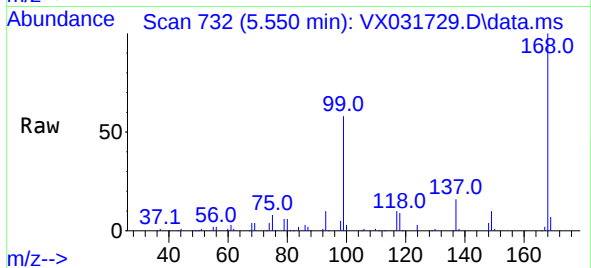
Quant Time: Sep 29 04:32:00 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092622W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 27 01:44:18 2022  
Response via : Initial Calibration



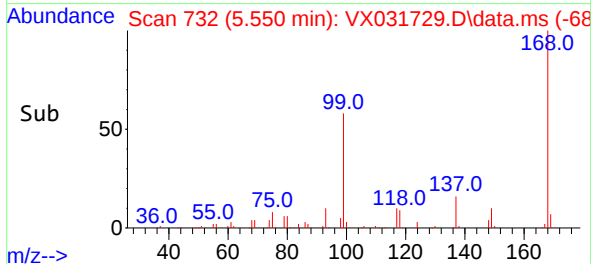
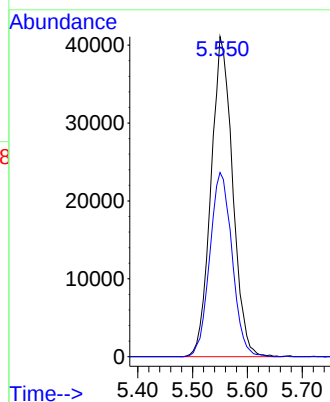


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX031729.D  
Acq: 28 Sep 2022 16:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT158S1-20220923

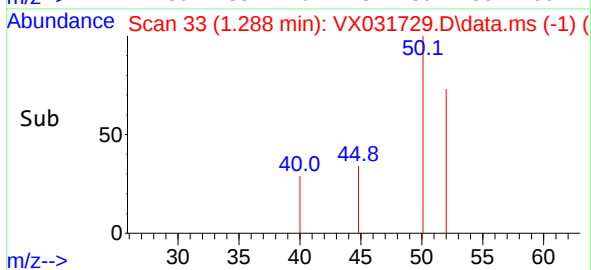
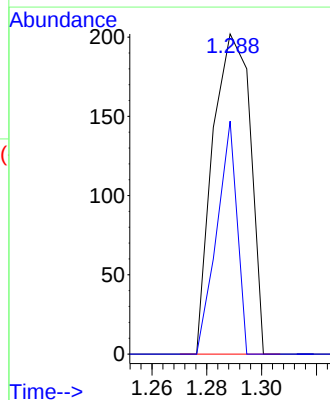
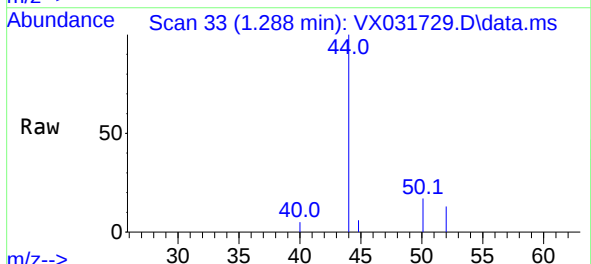


Tgt Ion:168 Resp: 112445  
Ion Ratio Lower Upper  
168 100  
99 57.6 48.8 73.2

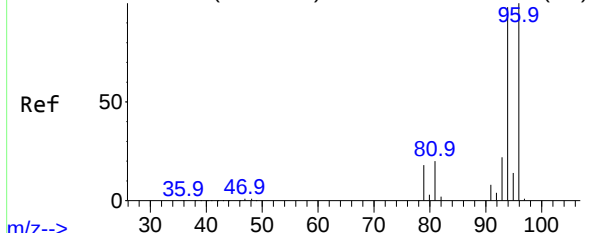


#3  
Chloromethane  
Concen: Below Cal  
RT: 1.288 min Scan# 33  
Delta R.T. 0.000 min  
Lab File: VX031729.D  
Acq: 28 Sep 2022 16:04

Tgt Ion: 50 Resp: 192  
Ion Ratio Lower Upper  
50 100  
52 72.8 26.9 40.3#



Abundance Scan 86 (1.611 min): VX031645.D\data.ms (-81)



#5

Bromomethane

Concen: Below Cal

RT: 1.618 min Scan# 81

Delta R.T. 0.007 min

Lab File: VX031729.D

Acq: 28 Sep 2022 16:04

Instrument :

MSVOA\_X

ClientSampleId :

TT158S1-20220923

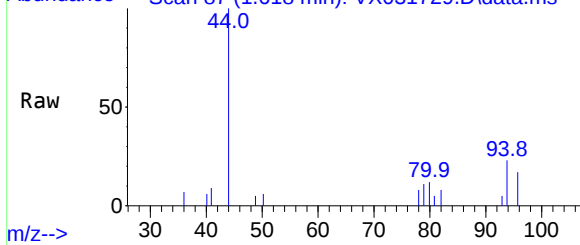
Tgt Ion: 94 Resp: 419

Ion Ratio Lower Upper

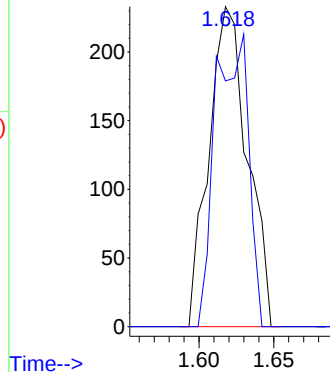
94 100

96 76.8 74.4 111.6

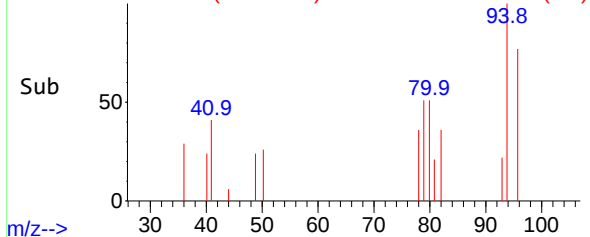
Abundance Scan 87 (1.618 min): VX031729.D\data.ms



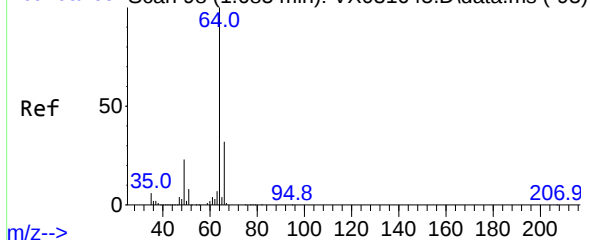
Abundance



Abundance Scan 87 (1.618 min): VX031729.D\data.ms (-37)



Abundance Scan 98 (1.685 min): VX031645.D\data.ms (-93)



#6

Chloroethane

Concen: Below Cal

RT: 1.691 min Scan# 99

Delta R.T. 0.006 min

Lab File: VX031729.D

Acq: 28 Sep 2022 16:04

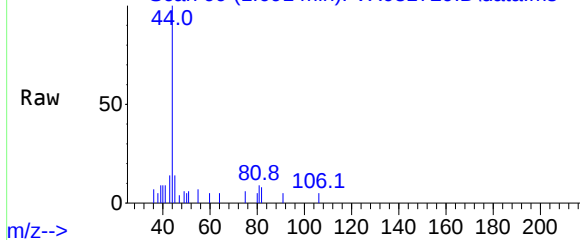
Tgt Ion: 64 Resp: 40

Ion Ratio Lower Upper

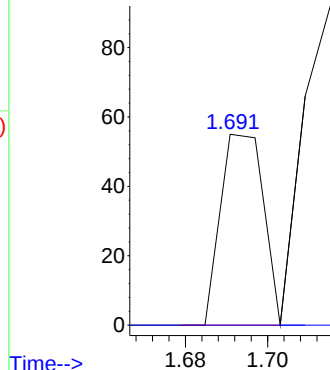
64 100

66 0.0 25.0 37.4#

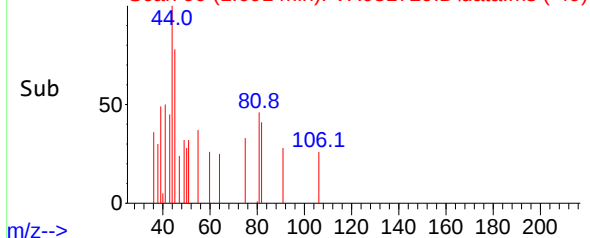
Abundance Scan 99 (1.691 min): VX031729.D\data.ms

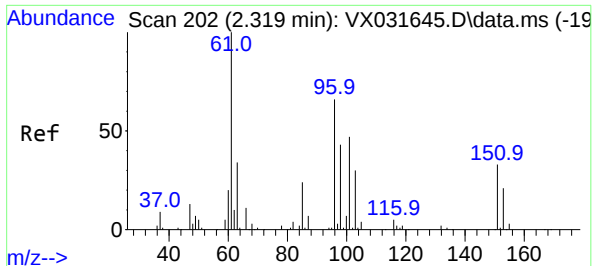


Abundance



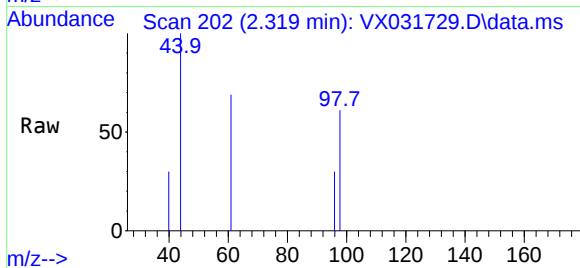
Abundance Scan 99 (1.691 min): VX031729.D\data.ms (-49)



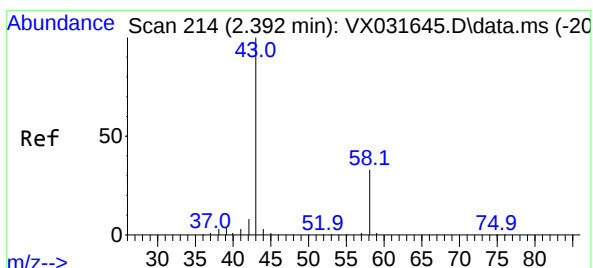
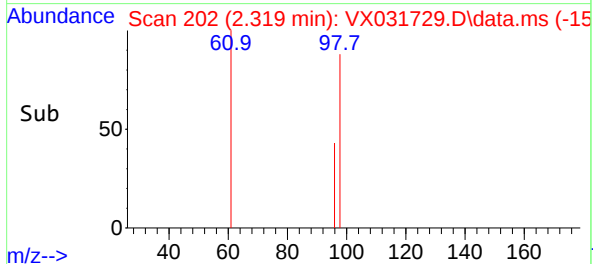
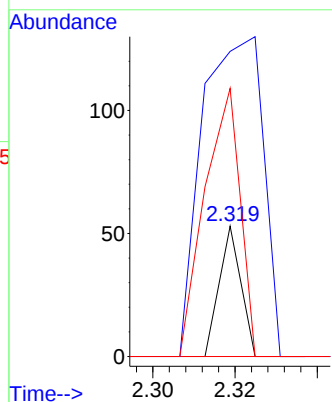


#12  
1,1-Dichloroethene  
Concen: Below Cal  
RT: 2.319 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: VX031729.D  
Acq: 28 Sep 2022 16:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT158S1-20220923

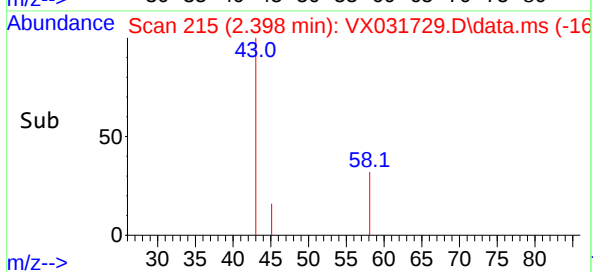
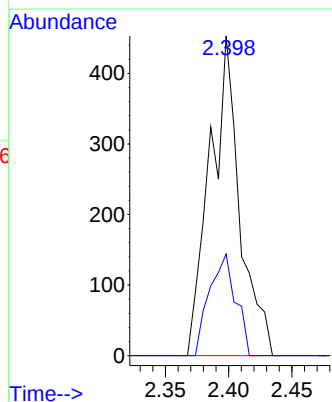
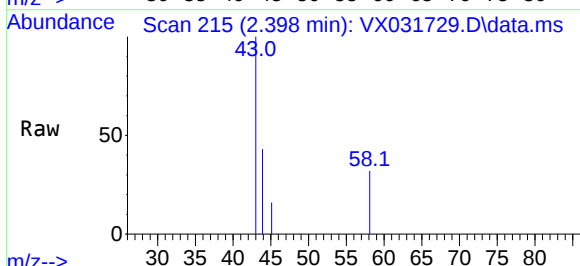


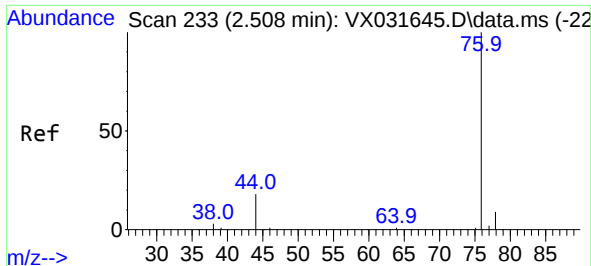
Tgt Ion: 96 Resp: 19  
Ion Ratio Lower Upper  
96 100  
61 234.0 135.3 202.9#  
98 205.7 49.4 74.2#



#16  
Acetone  
Concen: Below Cal  
RT: 2.398 min Scan# 215  
Delta R.T. 0.012 min  
Lab File: VX031729.D  
Acq: 28 Sep 2022 16:04

Tgt Ion: 43 Resp: 740  
Ion Ratio Lower Upper  
43 100  
58 31.8 23.8 35.8

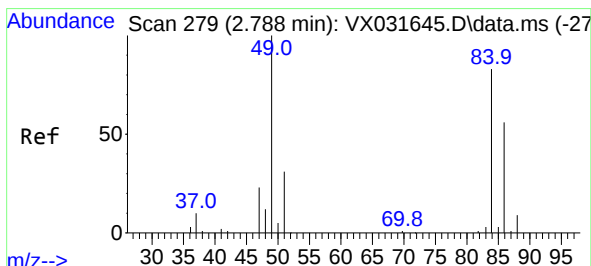
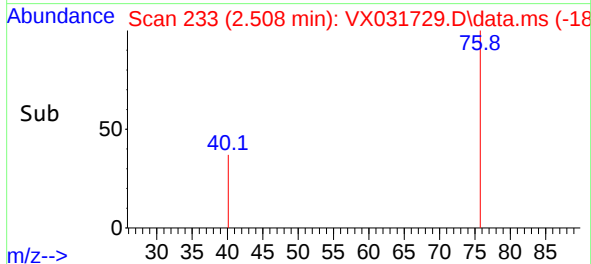
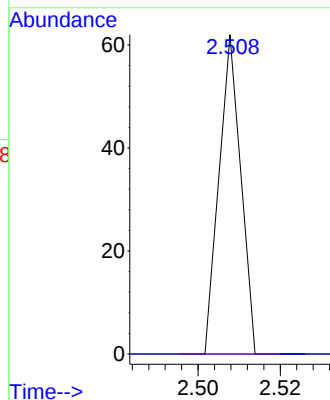
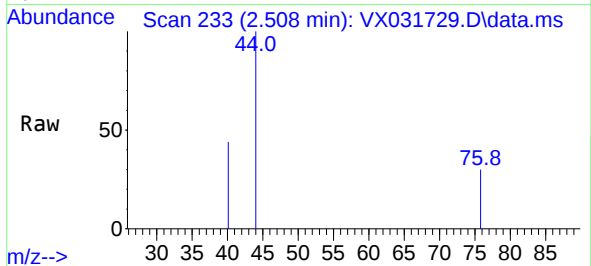




#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 2.508 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VX031729.D  
Acq: 28 Sep 2022 16:04

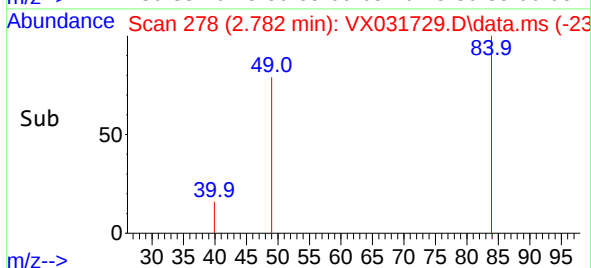
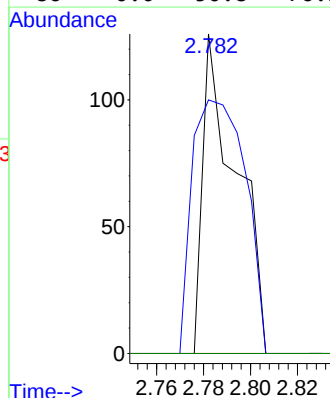
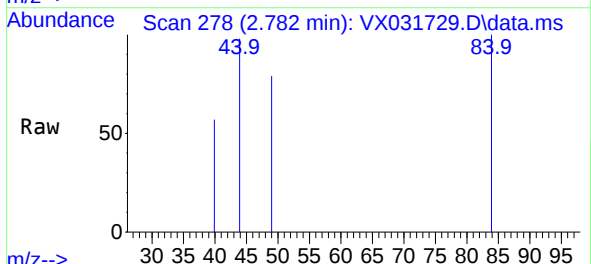
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT158S1-20220923

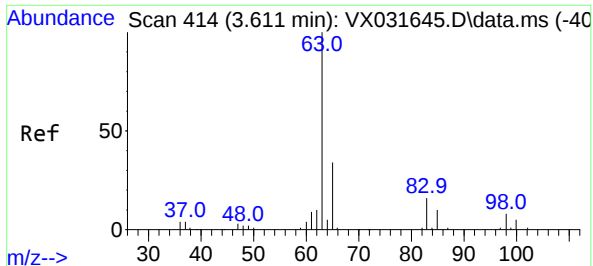
Tgt Ion: 76 Resp: 23  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 2.782 min Scan# 278  
Delta R.T. -0.006 min  
Lab File: VX031729.D  
Acq: 28 Sep 2022 16:04

Tgt Ion: 84 Resp: 124  
Ion Ratio Lower Upper  
84 100  
49 79.4 105.9 158.9#  
51 0.0 32.2 48.2#  
86 0.0 50.8 76.2#

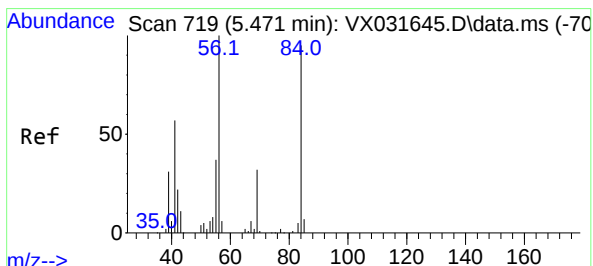
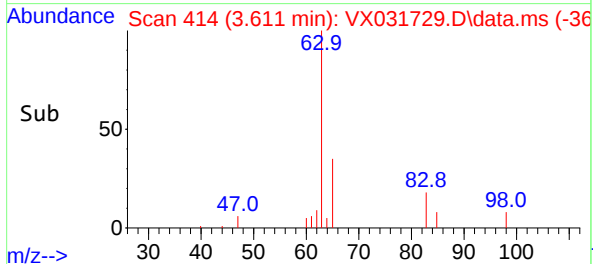
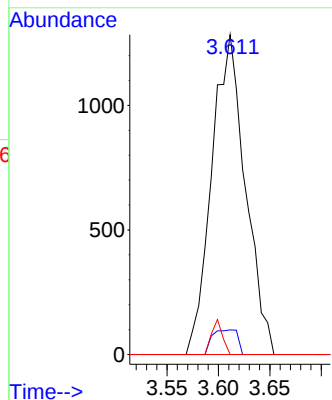
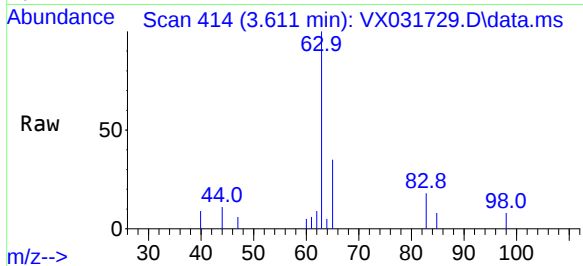




#24  
1,1-Dichloroethane  
Concen: 1.002 ug/l  
RT: 3.611 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VX031729.D  
Acq: 28 Sep 2022 16:04

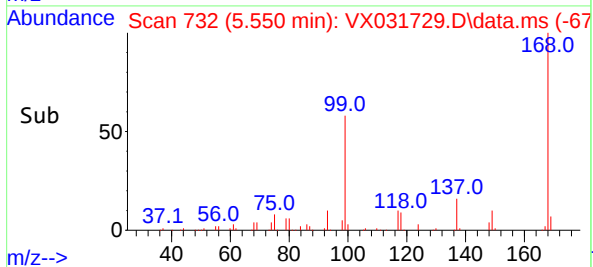
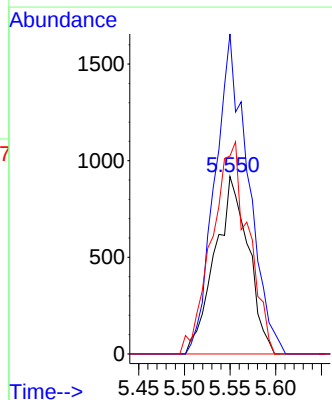
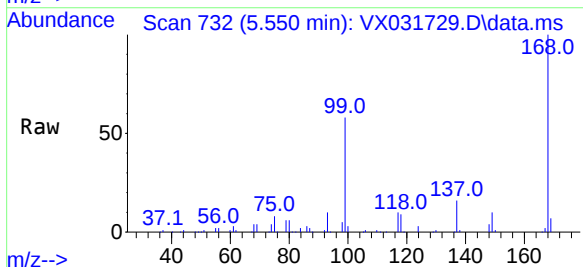
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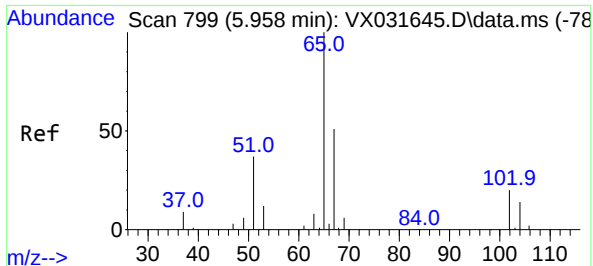
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|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 2924  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 7.7   | 3.5   | 10.4  |
| 100      | 0.0   | 2.4   | 7.2#  |



#31  
Cyclohexane  
Concen: 1.031 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.079 min  
Lab File: VX031729.D  
Acq: 28 Sep 2022 16:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 2340   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 180.4 | 25.1  | 37.7#  |
| 84       | 111.5 | 70.2  | 105.4# |

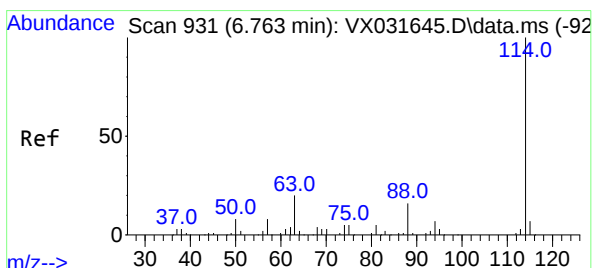
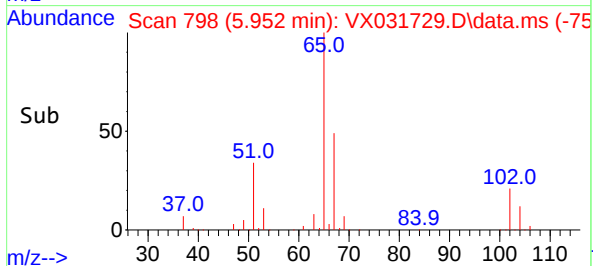
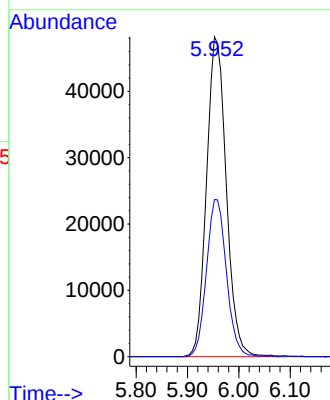
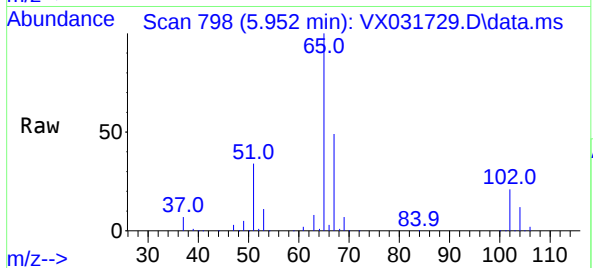




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.872 ug/l  
 RT: 5.952 min Scan# 799  
 Delta R.T. -0.006 min  
 Lab File: VX031729.D  
 Acq: 28 Sep 2022 16:04

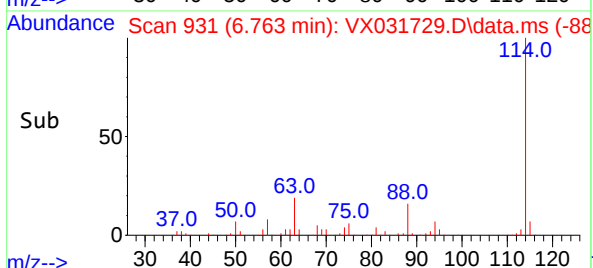
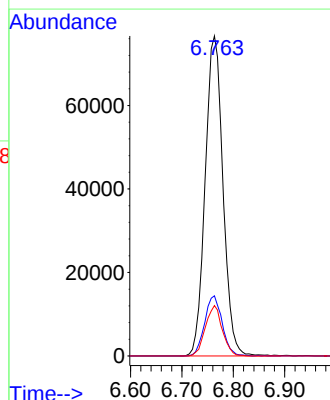
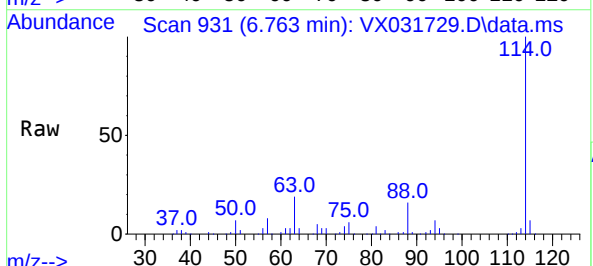
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT158S1-20220923

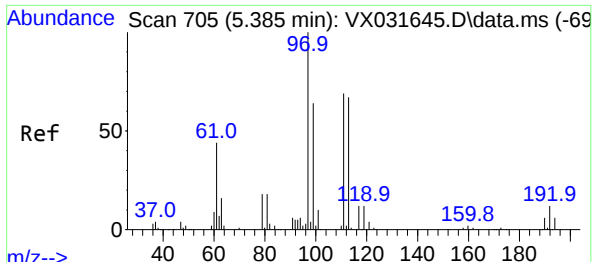
Tgt Ion: 65 Resp: 128567  
 Ion Ratio Lower Upper  
 65 100  
 67 49.7 0.0 102.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. 0.000 min  
 Lab File: VX031729.D  
 Acq: 28 Sep 2022 16:04

Tgt Ion: 114 Resp: 184266  
 Ion Ratio Lower Upper  
 114 100  
 63 18.8 0.0 42.6  
 88 15.8 0.0 33.0





#35

Dibromofluoromethane

Concen: 47.472 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX031729.D

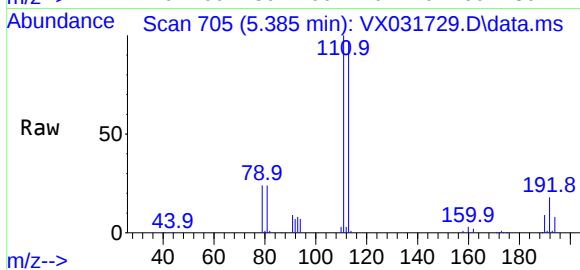
Acq: 28 Sep 2022 16:04

Instrument :

MSVOA\_X

ClientSampleId :

TT158S1-20220923



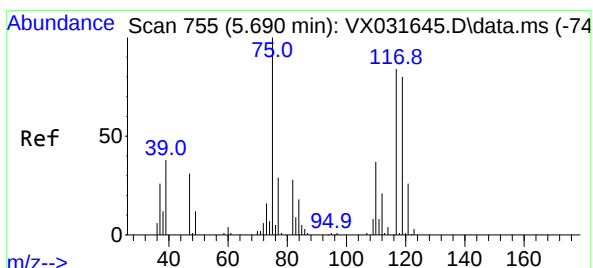
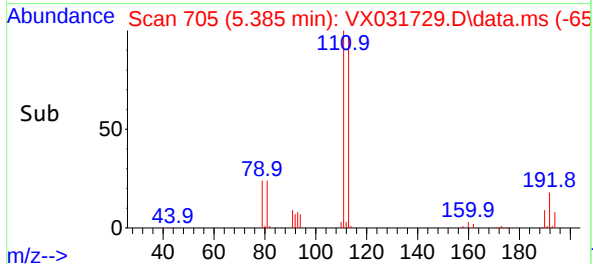
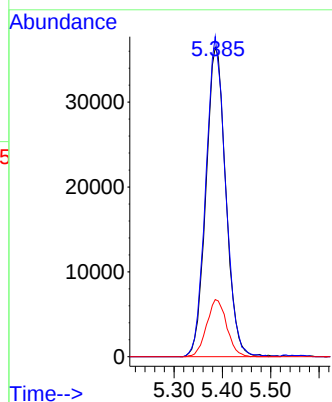
Tgt Ion:113 Resp: 104228

Ion Ratio Lower Upper

113 100

111 102.3 82.4 123.6

192 18.6 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.515 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX031729.D

Acq: 28 Sep 2022 16:04

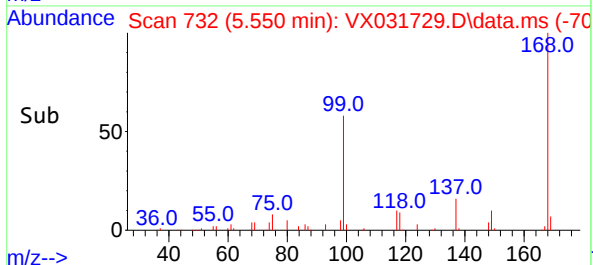
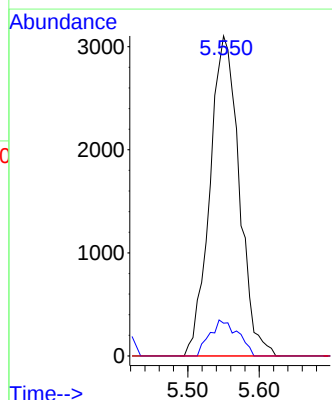
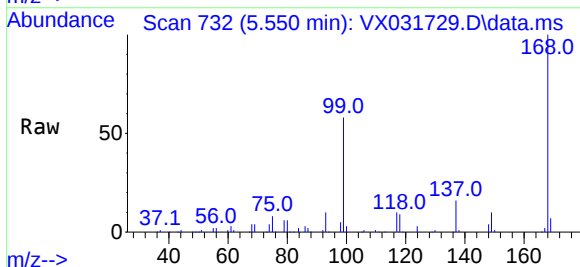
Tgt Ion: 75 Resp: 8863

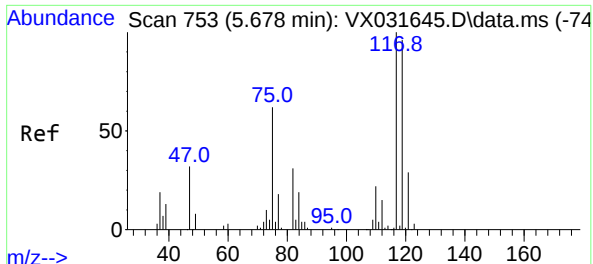
Ion Ratio Lower Upper

75 100

110 10.8 17.5 52.5#

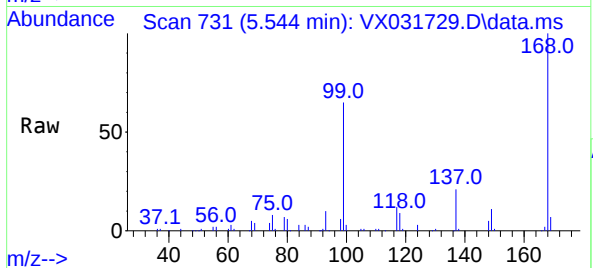
77 0.0 24.9 37.3#



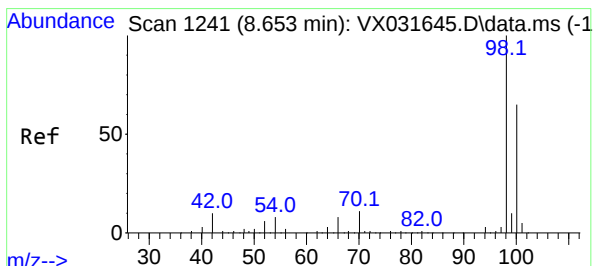
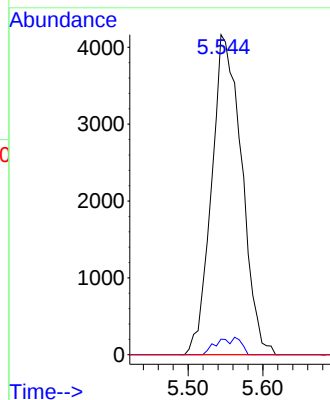
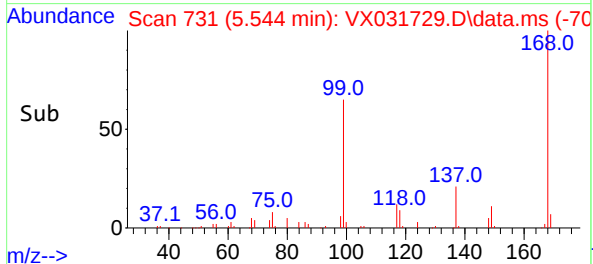


#38  
Carbon Tetrachloride  
Concen: 4.105 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.134 min  
Lab File: VX031729.D  
Acq: 28 Sep 2022 16:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT158S1-20220923

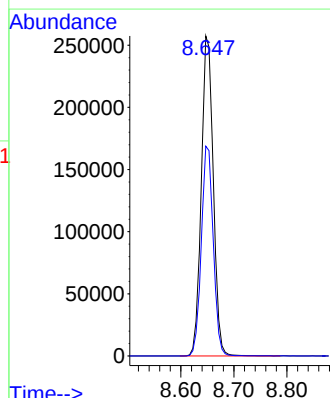
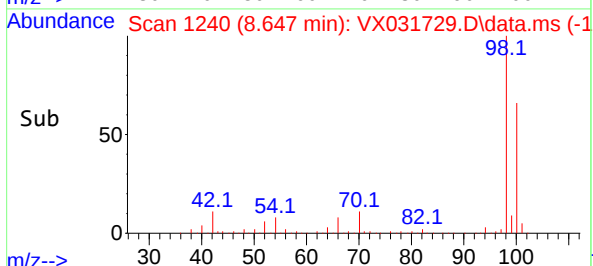
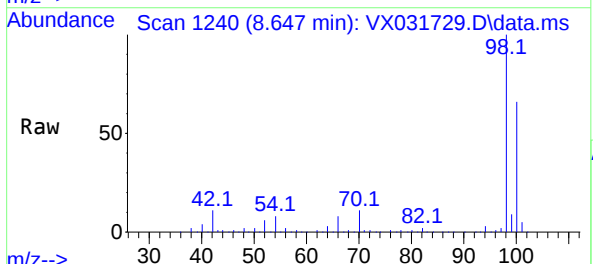


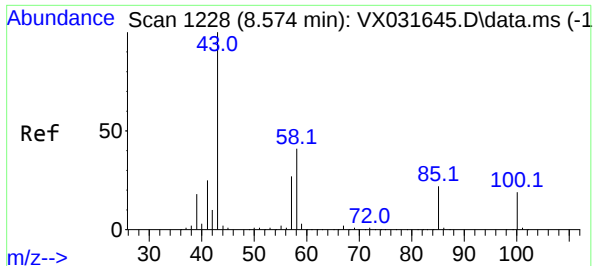
Tgt Ion:117 Resp: 11665  
Ion Ratio Lower Upper  
117 100  
119 4.9 74.6 112.0#  
121 0.0 25.3 37.9#



#50  
Toluene-d8  
Concen: 50.726 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.006 min  
Lab File: VX031729.D  
Acq: 28 Sep 2022 16:04

Tgt Ion: 98 Resp: 403768  
Ion Ratio Lower Upper  
98 100  
100 65.4 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.688 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX031729.D

Acq: 28 Sep 2022 16:04

Instrument :

MSVOA\_X

ClientSampleId :

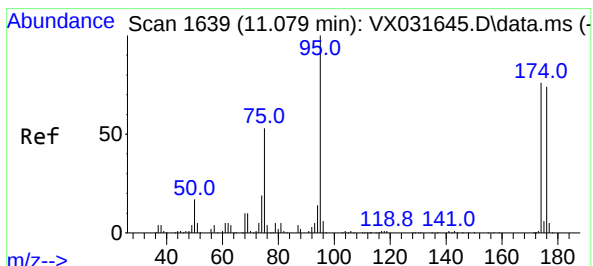
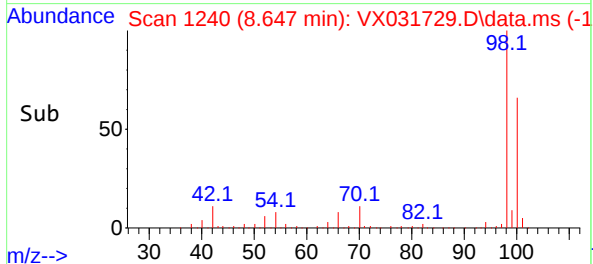
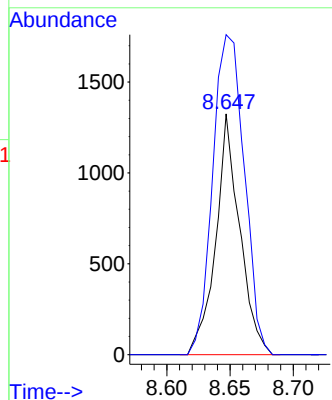
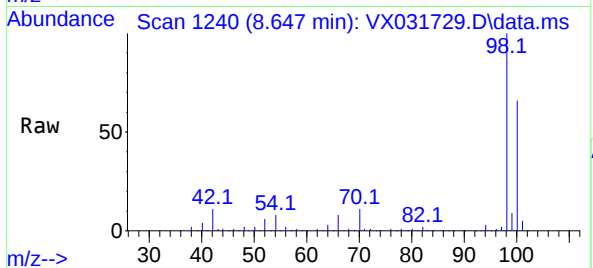
TT158S1-20220923

Tgt Ion: 43 Resp: 1742

Ion Ratio Lower Upper

43 100

58 175.4 30.6 46.0#



#62

4-Bromofluorobenzene

Concen: 46.891 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031729.D

Acq: 28 Sep 2022 16:04

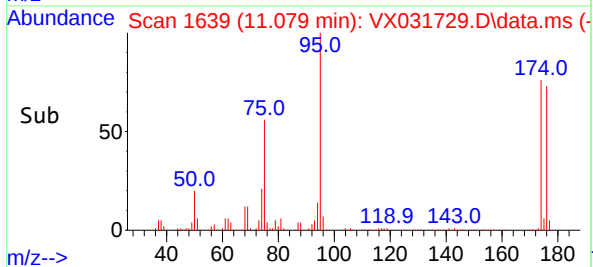
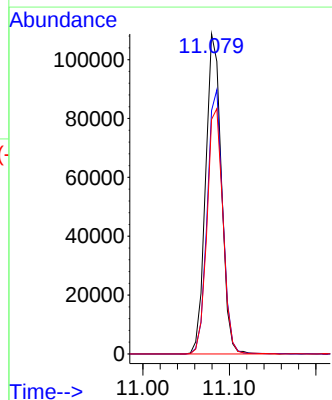
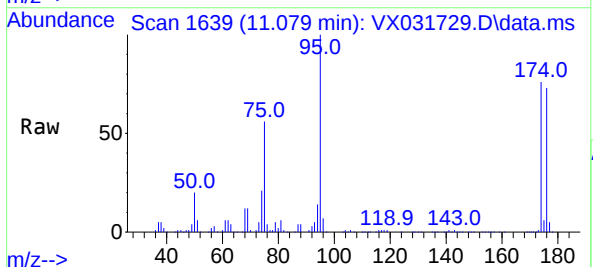
Tgt Ion: 95 Resp: 136801

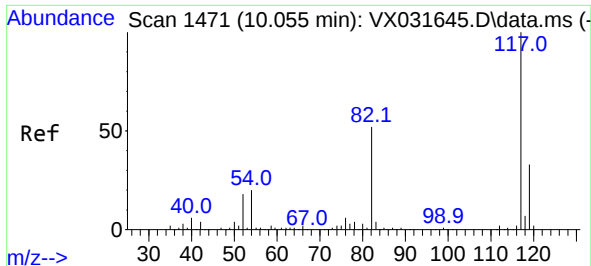
Ion Ratio Lower Upper

95 100

174 81.4 0.0 153.2

176 77.6 0.0 144.0

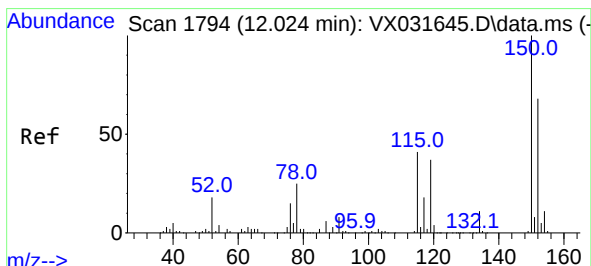
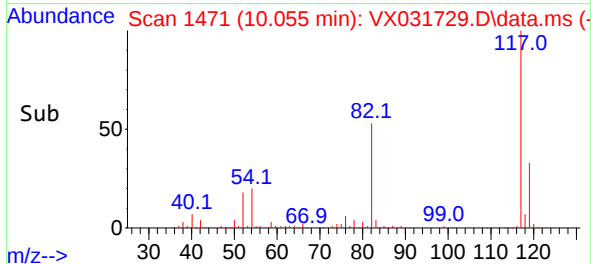
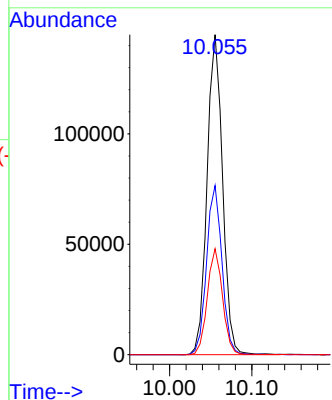
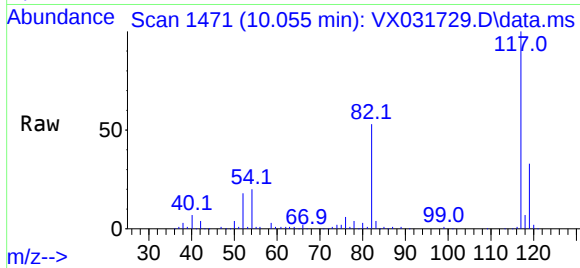




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX031729.D  
Acq: 28 Sep 2022 16:04

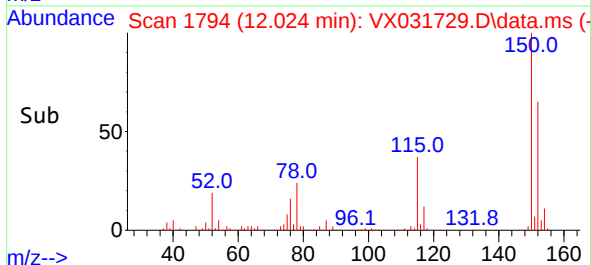
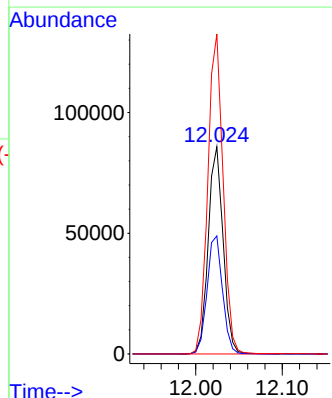
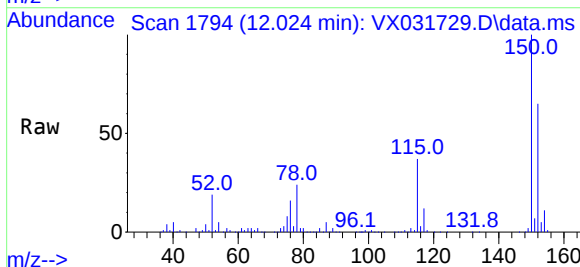
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT158S1-20220923

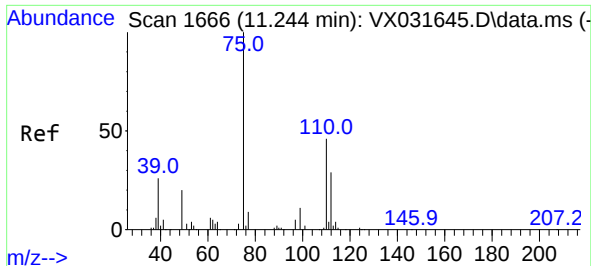
Tgt Ion:117 Resp: 189788  
Ion Ratio Lower Upper  
117 100  
82 52.9 46.8 70.2  
119 33.1 26.4 39.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX031729.D  
Acq: 28 Sep 2022 16:04

Tgt Ion:152 Resp: 102483  
Ion Ratio Lower Upper  
152 100  
115 59.1 43.4 130.1  
150 157.8 0.0 346.8

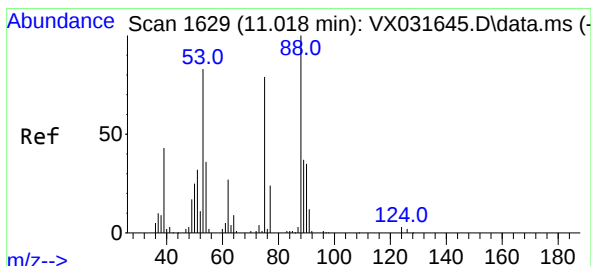
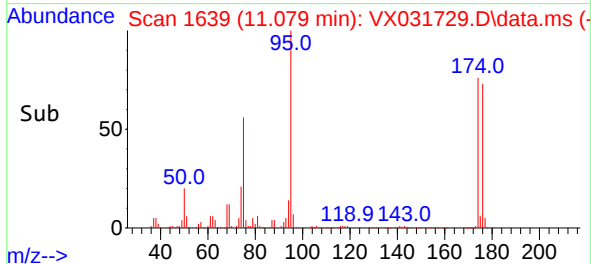
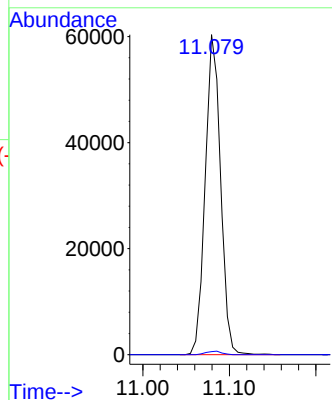
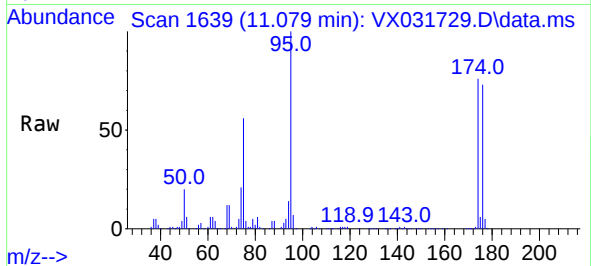




#76  
1,2,3-Trichloropropane  
Concen: 39.990 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX031729.D  
Acq: 28 Sep 2022 16:04

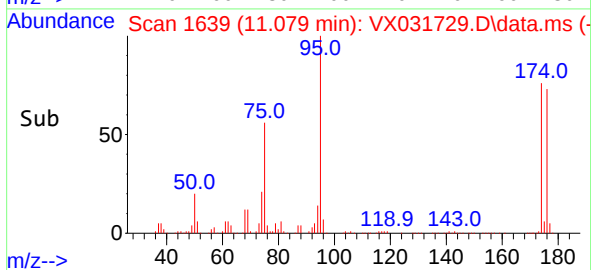
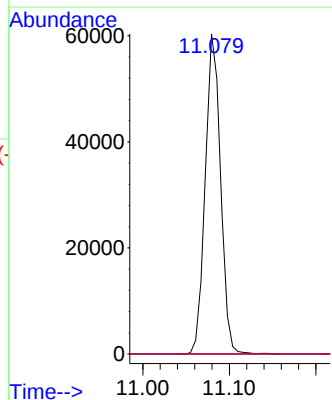
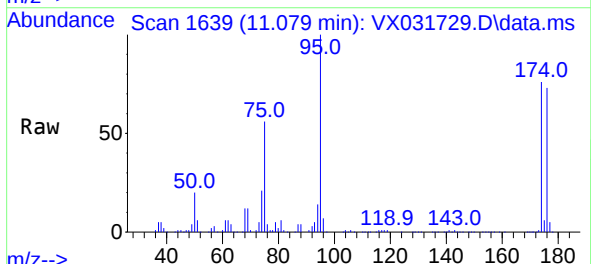
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT158S1-20220923

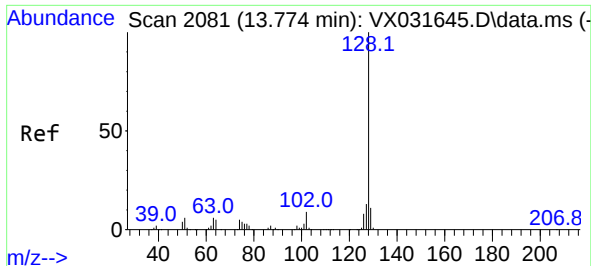
Tgt Ion: 75 Resp: 74297  
Ion Ratio Lower Upper  
75 100  
77 1.1 20.3 60.9#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 130.794 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX031729.D  
Acq: 28 Sep 2022 16:04

Tgt Ion: 75 Resp: 74297  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.6 116.4#  
89 0.0 37.4 56.0#





#95

Naphthalene

Concen: 0.562 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX031729.D

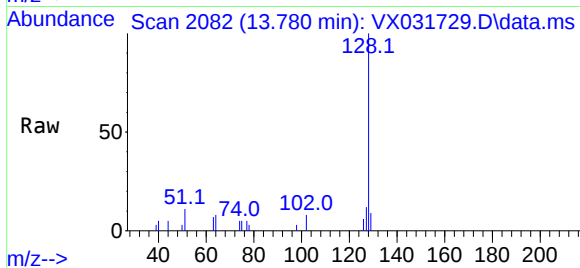
Acq: 28 Sep 2022 16:04

Instrument :

MSVOA\_X

ClientSampleId :

TT158S1-20220923



Tgt Ion:128 Resp: 3594

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 11.7 8.8 13.2

