

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052422\  
 Data File : VX028935.D  
 Acq On : 24 May 2022 20:35  
 Operator : JC/MD  
 Sample : N2980-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-SAMPLE-MANAG

Quant Time: May 25 01:52:30 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 12 14:58:53 2022  
 Response via : Initial Calibration

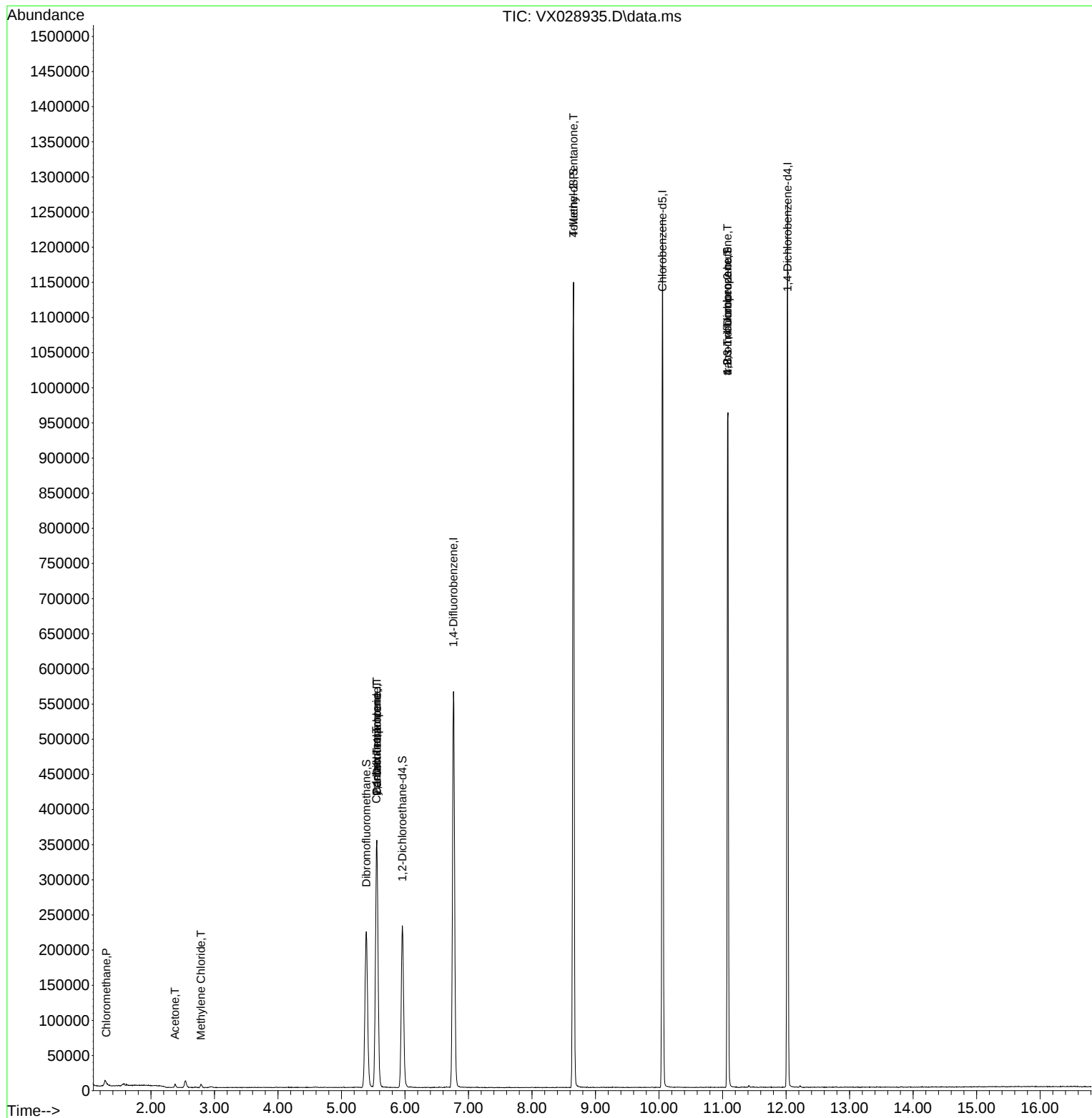
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 5.556     | 168   | 326792   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763     | 114   | 581244   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 551178   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 255461   | 50.000    | ug/l       | 0.00     |
|                               |           |       |          |           |            |          |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.958     | 65    | 228318   | 50.969    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 61 - 141 | Recovery  | = 101.940% |          |
| 35) Dibromofluoromethane      | 5.391     | 113   | 196888   | 51.701    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 69 - 133 | Recovery  | = 103.400% |          |
| 50) Toluene-d8                | 8.653     | 98    | 689240   | 48.005    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 65 - 126 | Recovery  | = 96.000%  |          |
| 62) 4-Bromofluorobenzene      | 11.079    | 95    | 272909   | 50.890    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 135 | Recovery  | = 101.780% |          |
|                               |           |       |          |           |            |          |
| Target Compounds              |           |       |          |           |            | Qvalue   |
| 3) Chloromethane              | 1.294     | 50    | 1054     | 0.262     | ug/l       | 100      |
| 5) Bromomethane               | 1.611     | 94    | 643      | Below Cal |            | 91       |
| 6) Chloroethane               | 1.703     | 64    | 261      | Below Cal | #          | 43       |
| 11) Tert butyl alcohol        | 2.953     | 59    | 755      | Below Cal | #          | 72       |
| 16) Acetone                   | 2.380     | 43    | 4410     | 2.294     | ug/l       | 95       |
| 20) Methylene Chloride        | 2.788     | 84    | 2247     | 0.557     | ug/l       | 97       |
| 31) Cyclohexane               | 5.550     | 56    | 6667     | 1.072     | ug/l       | # 16     |
| 36) 1,1-Dichloropropene       | 5.556     | 75    | 25581    | 4.472     | ug/l       | # 50     |
| 38) Carbon Tetrachloride      | 5.556     | 117   | 34131    | 5.929     | ug/l       | # 16     |
| 51) 4-Methyl-2-Pentanone      | 8.653     | 43    | 2806     | 0.456     | ug/l       | # 1      |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75    | 136716   | 22.852    | ug/l       | # 38     |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75    | 136716   | 66.767    | ug/l       | # 15     |
| -----                         |           |       |          |           |            |          |

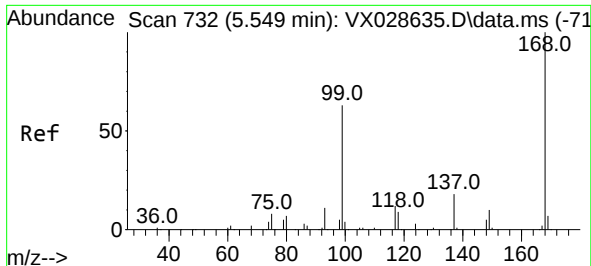
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 12 14:58:53 2022  
Response via : Initial Calibration

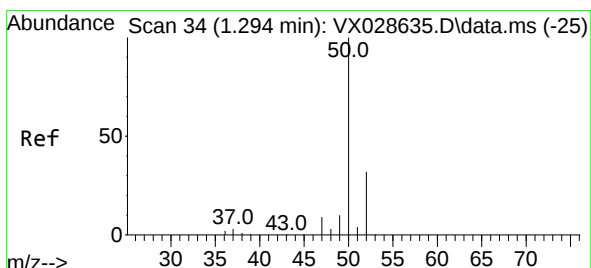
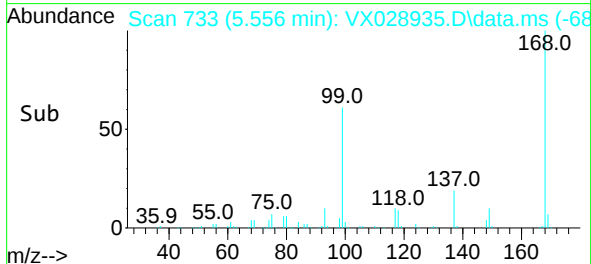
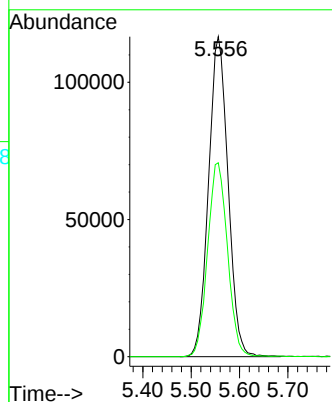
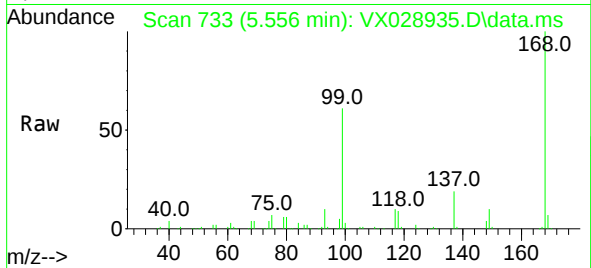




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.007 min  
Lab File: VX028935.D  
Acq: 24 May 2022 20:35

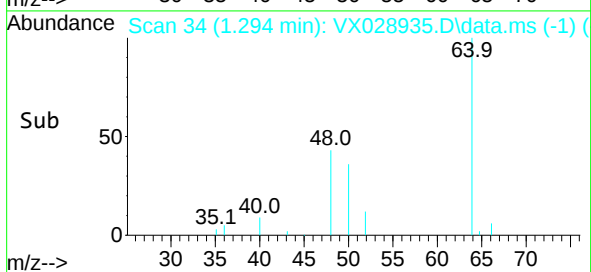
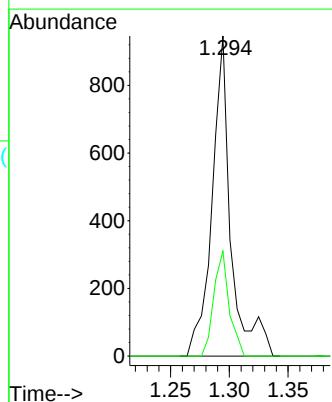
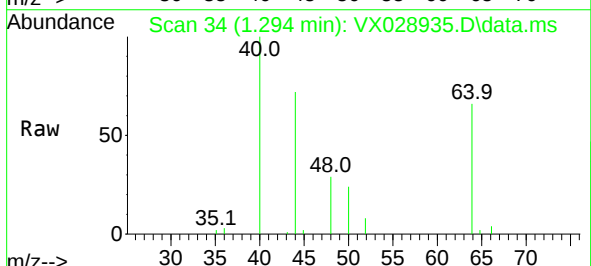
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANAG

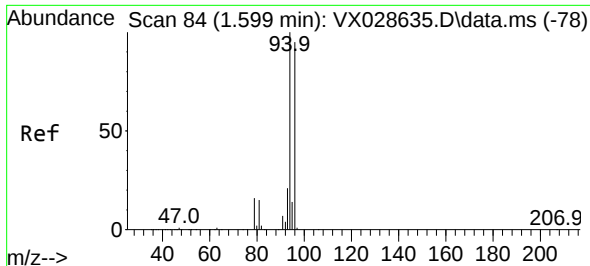
Tgt Ion:168 Resp: 326792  
Ion Ratio Lower Upper  
168 100  
99 60.6 41.7 62.5



#3  
Chloromethane  
Concen: 0.262 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VX028935.D  
Acq: 24 May 2022 20:35

Tgt Ion: 50 Resp: 1054  
Ion Ratio Lower Upper  
50 100  
52 32.8 26.4 39.6

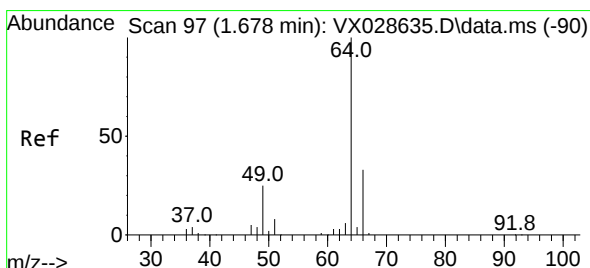
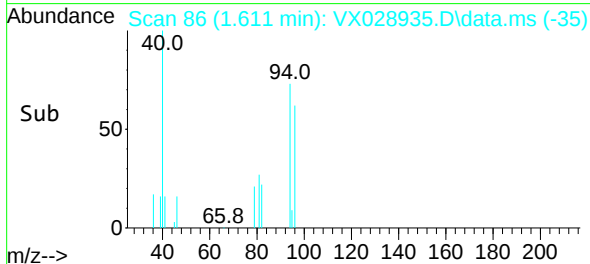
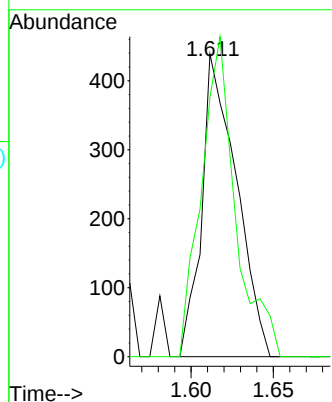
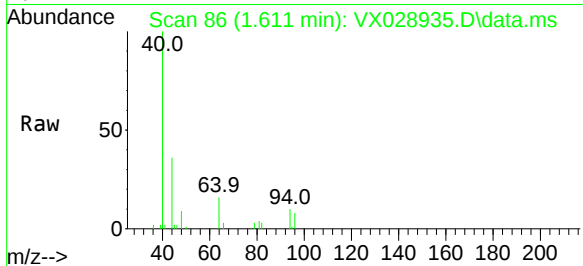




#5  
Bromomethane  
Concen: Below Cal  
RT: 1.611 min Scan# 80  
Delta R.T. 0.012 min  
Lab File: VX028935.D  
Acq: 24 May 2022 20:35

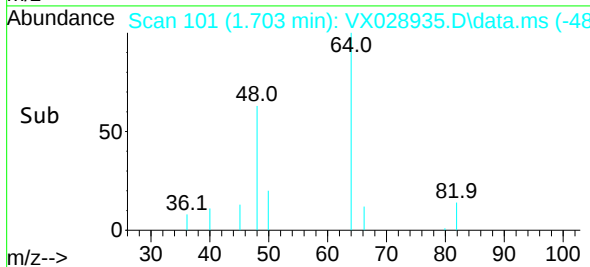
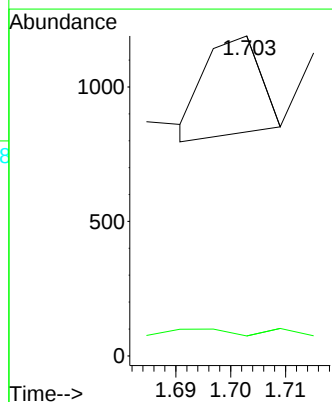
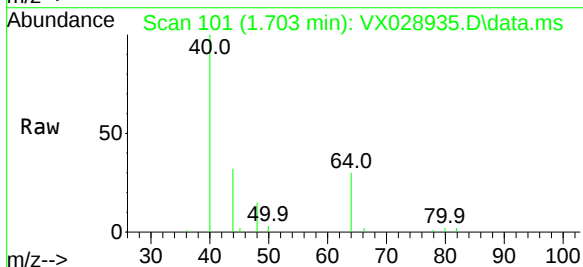
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANAG

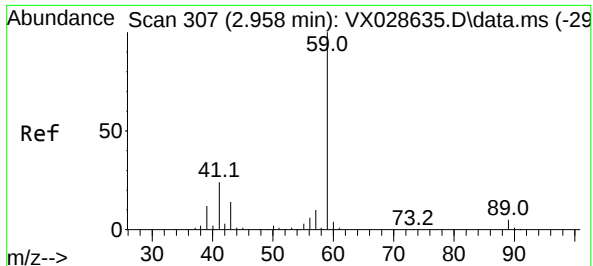
Tgt Ion: 94 Resp: 643  
Ion Ratio Lower Upper  
94 100  
96 85.6 75.3 112.9



#6  
Chloroethane  
Concen: Below Cal  
RT: 1.703 min Scan# 101  
Delta R.T. 0.025 min  
Lab File: VX028935.D  
Acq: 24 May 2022 20:35

Tgt Ion: 64 Resp: 261  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.3 37.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 307

Delta R.T. -0.005 min

Lab File: VX028935.D

Acq: 24 May 2022 20:35

Instrument :

MSVOA\_X

ClientSampleId :

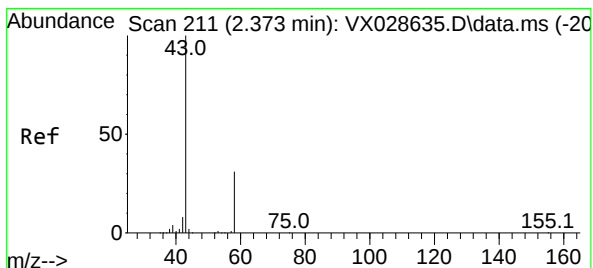
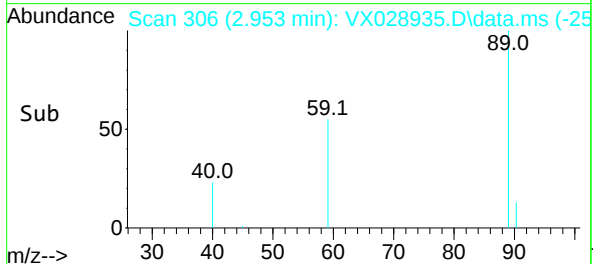
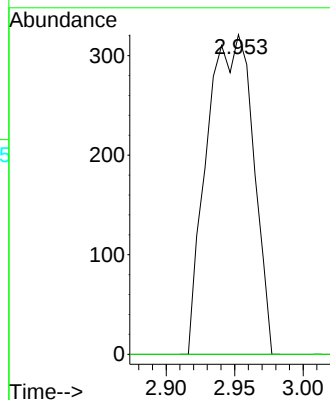
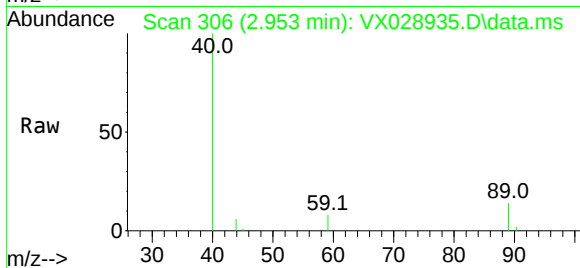
STORAGE-BLANK-SAMPLE-MANAG

Tgt Ion: 59 Resp: 755

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 2.294 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.007 min

Lab File: VX028935.D

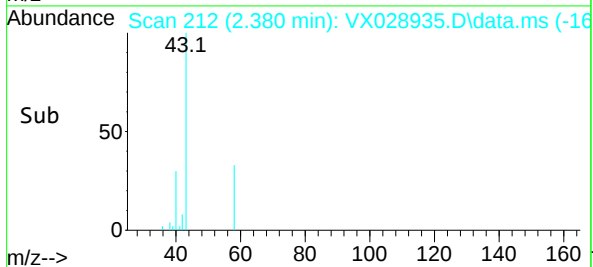
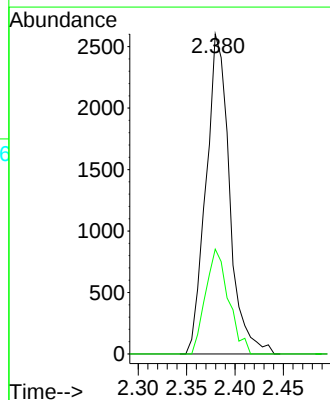
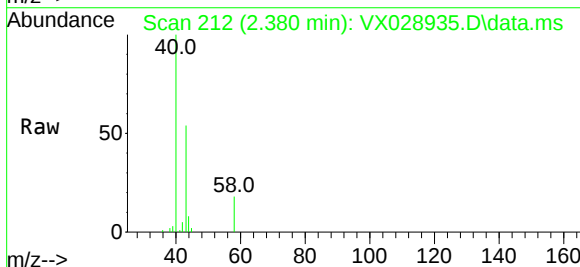
Acq: 24 May 2022 20:35

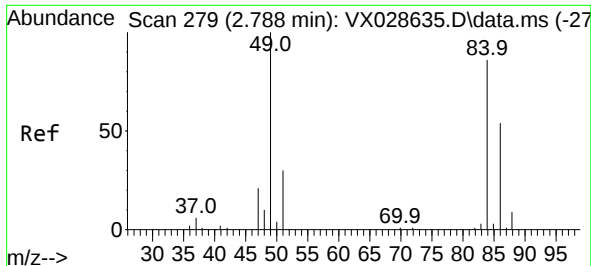
Tgt Ion: 43 Resp: 4410

Ion Ratio Lower Upper

43 100

58 32.8 28.8 43.2

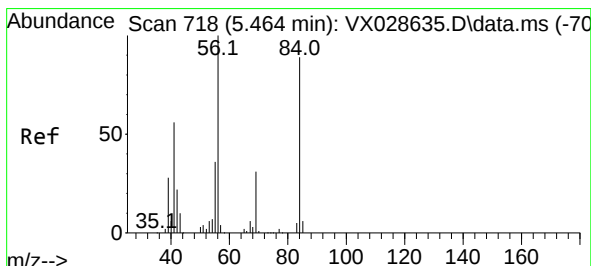
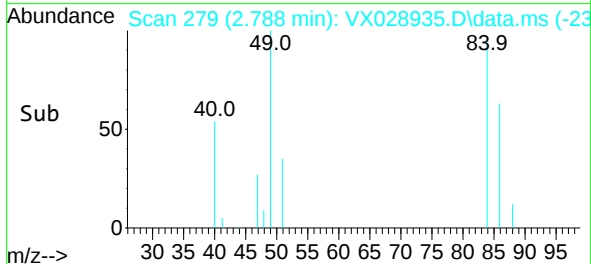
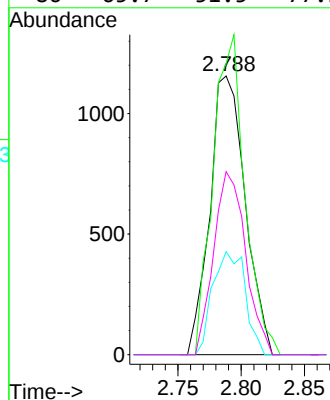
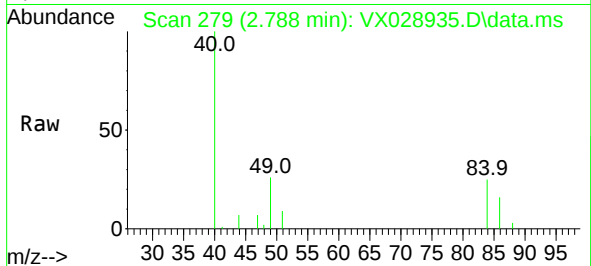




#20  
Methylene Chloride  
Concen: 0.557 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX028935.D  
Acq: 24 May 2022 20:35

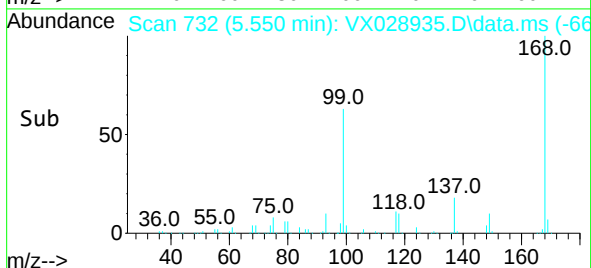
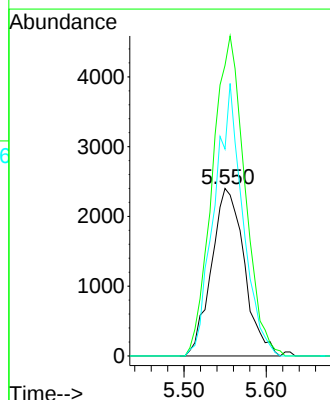
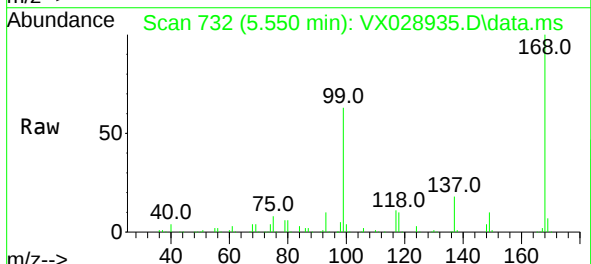
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANAG

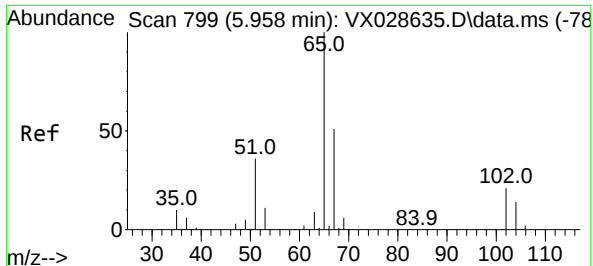
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 2247  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 104.3 | 85.5  | 128.3 |
| 51       | 36.9  | 26.6  | 39.8  |
| 86       | 65.7  | 51.5  | 77.3  |



#31  
Cyclohexane  
Concen: 1.072 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.086 min  
Lab File: VX028935.D  
Acq: 24 May 2022 20:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 6667   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 173.5 | 26.7  | 40.1#  |
| 84       | 123.5 | 77.2  | 115.8# |





#33

1,2-Dichloroethane-d4

Concen: 50.969 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028935.D

Acq: 24 May 2022 20:35

Instrument :

MSVOA\_X

ClientSampleId :

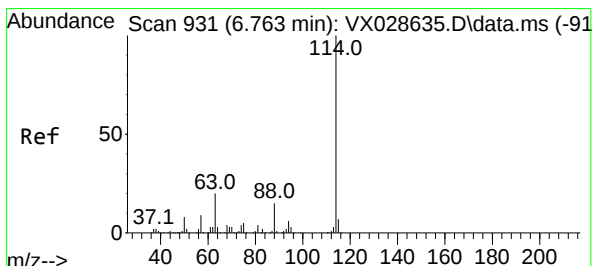
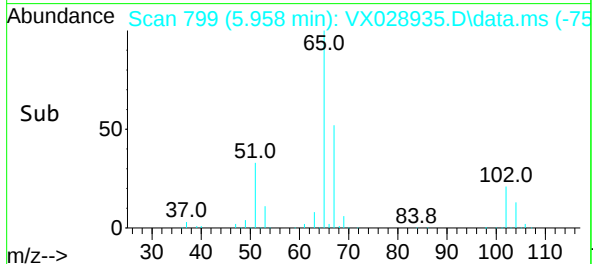
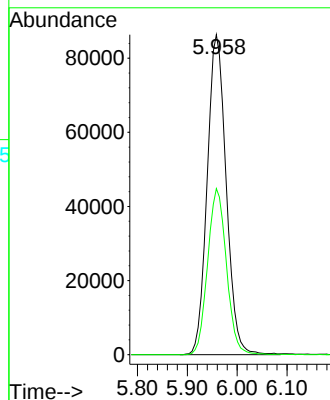
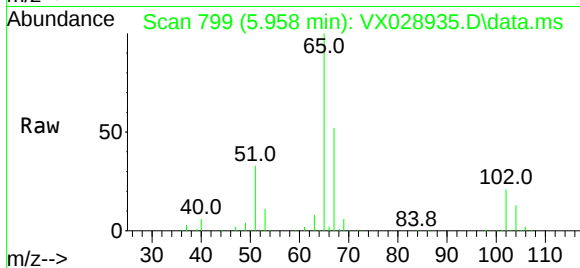
STORAGE-BLANK-SAMPLE-MANAG

Tgt Ion: 65 Resp: 228318

Ion Ratio Lower Upper

65 100

67 51.6 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028935.D

Acq: 24 May 2022 20:35

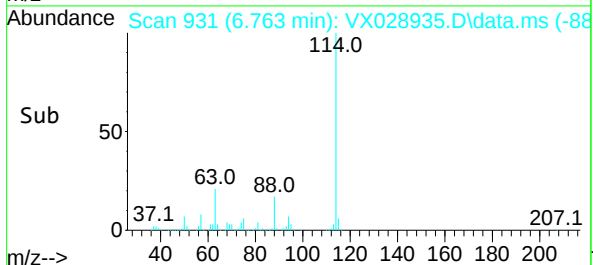
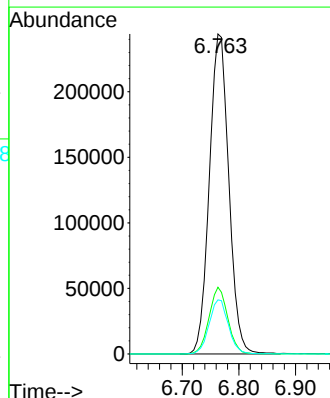
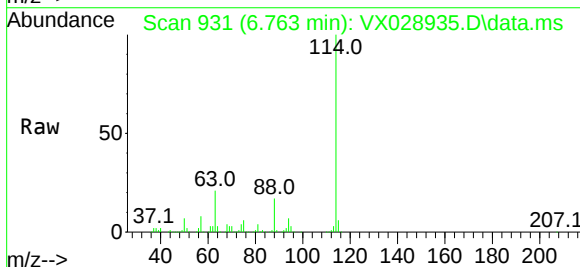
Tgt Ion: 114 Resp: 581244

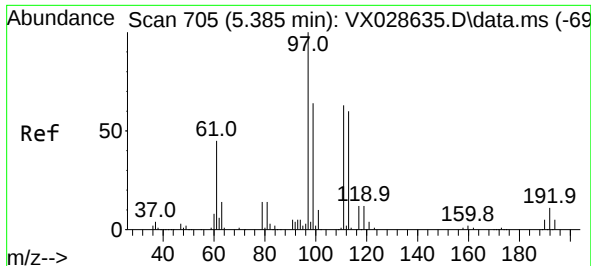
Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.8

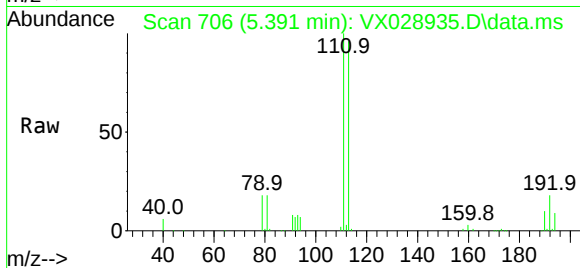
88 16.9 0.0 32.4



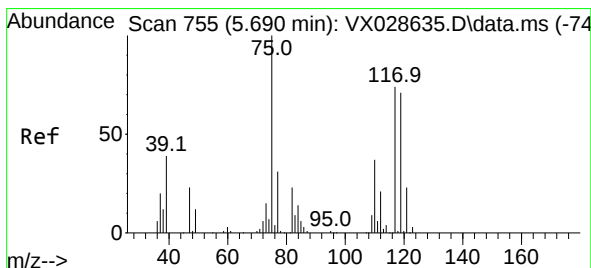
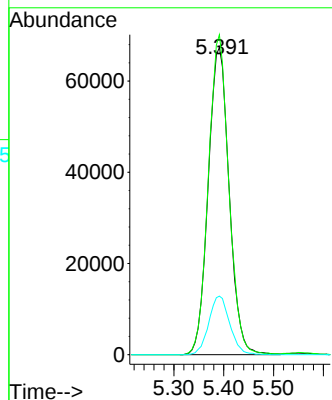
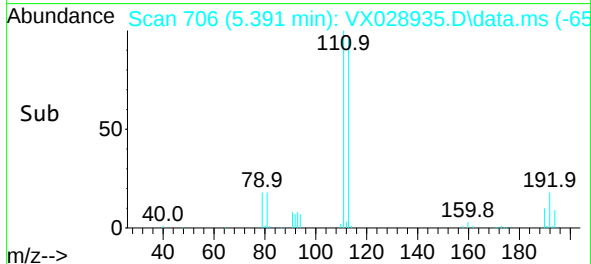


#35  
Dibromofluoromethane  
Concen: 51.701 ug/l  
RT: 5.391 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX028935.D  
Acq: 24 May 2022 20:35

Instrument :  
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ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANAG

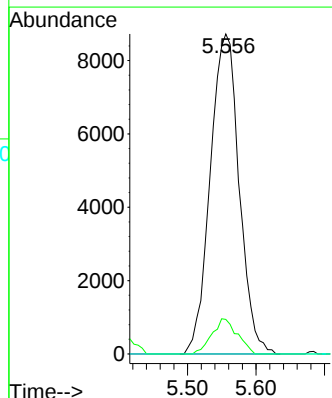
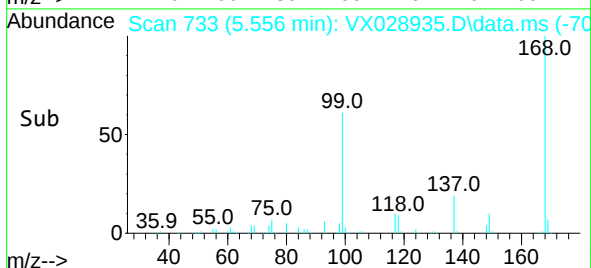
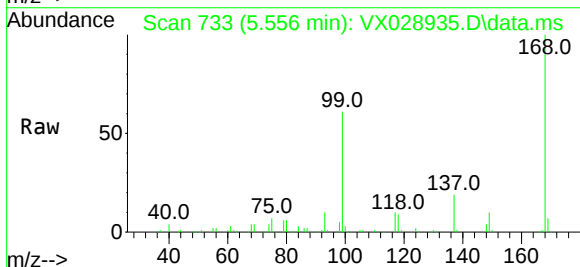


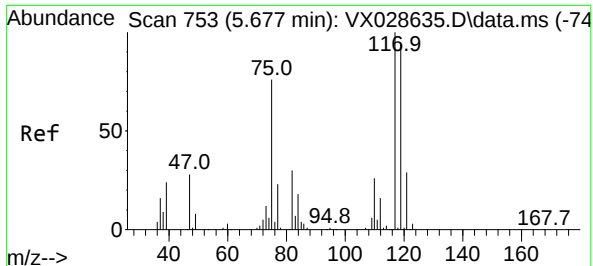
Tgt Ion:113 Resp: 196888  
Ion Ratio Lower Upper  
113 100  
111 101.5 82.8 124.2  
192 19.1 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 4.472 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.134 min  
Lab File: VX028935.D  
Acq: 24 May 2022 20:35

Tgt Ion: 75 Resp: 25581  
Ion Ratio Lower Upper  
75 100  
110 9.6 18.3 54.8#  
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.929 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.121 min

Lab File: VX028935.D

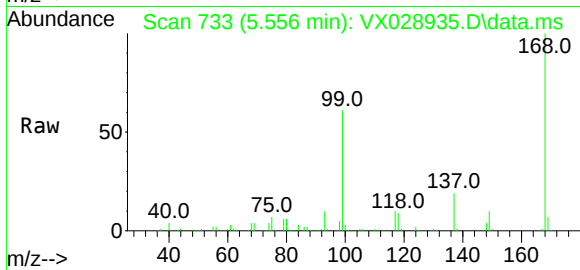
Acq: 24 May 2022 20:35

Instrument :

MSVOA\_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAG



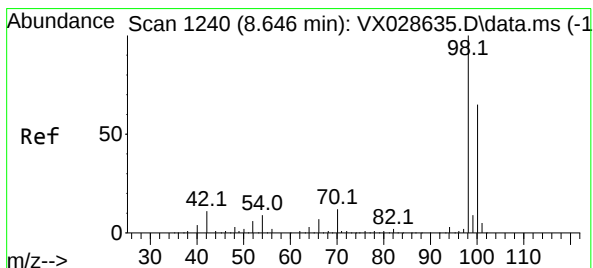
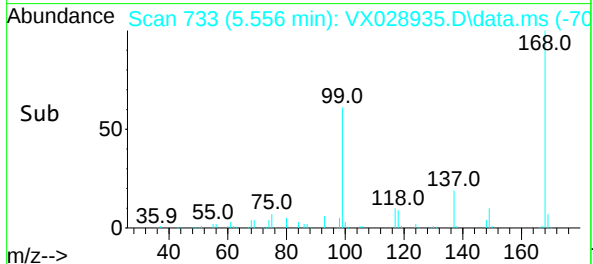
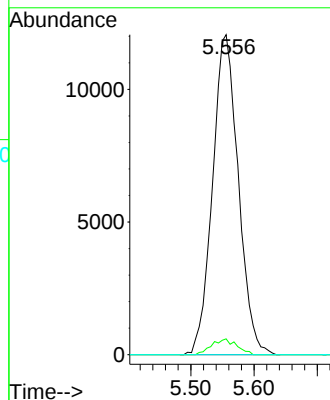
Tgt Ion:117 Resp: 34131

Ion Ratio Lower Upper

117 100

119 4.9 77.3 115.9#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 48.005 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.007 min

Lab File: VX028935.D

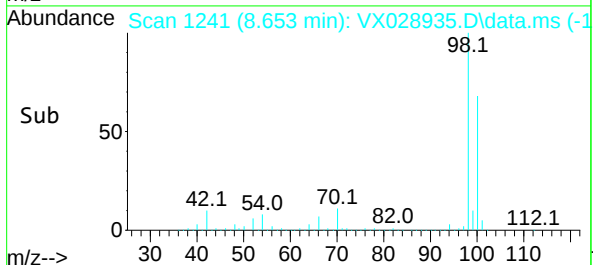
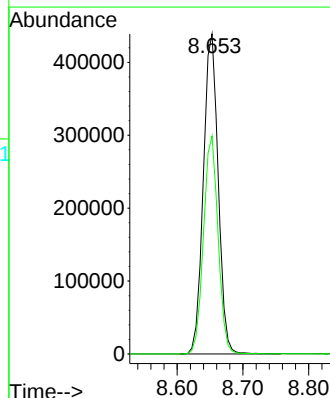
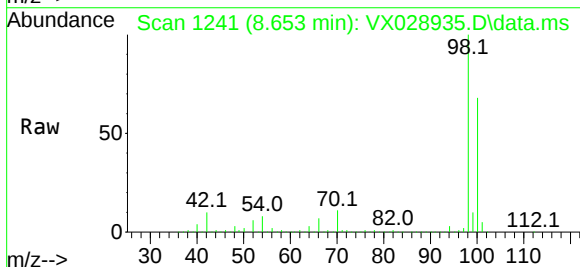
Acq: 24 May 2022 20:35

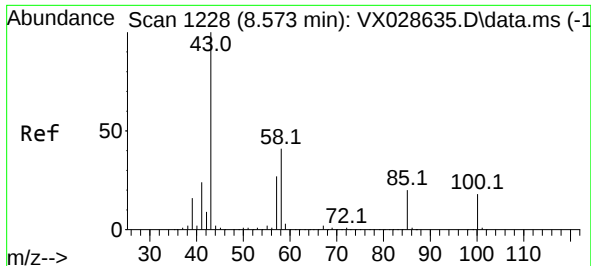
Tgt Ion: 98 Resp: 689240

Ion Ratio Lower Upper

98 100

100 66.9 52.6 78.8

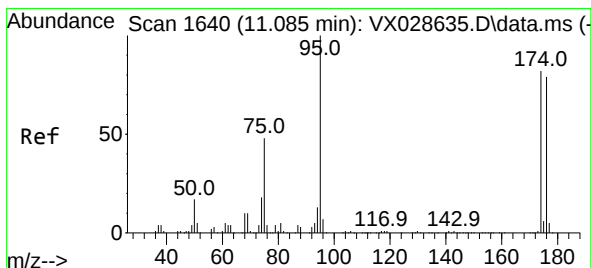
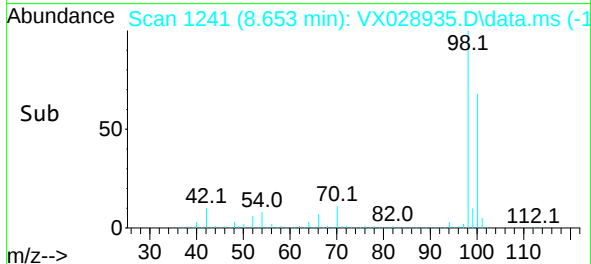
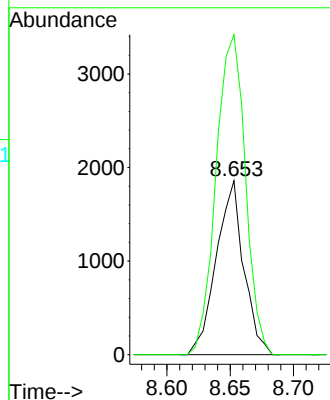
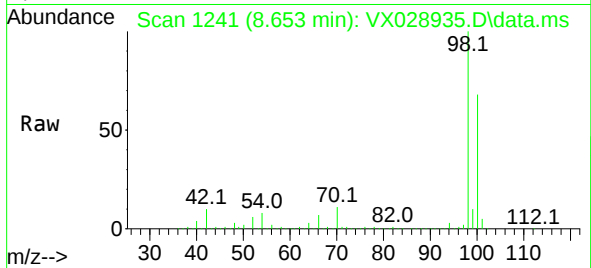




#51  
4-Methyl-2-Pentanone  
Concen: 0.456 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. 0.080 min  
Lab File: VX028935.D  
Acq: 24 May 2022 20:35

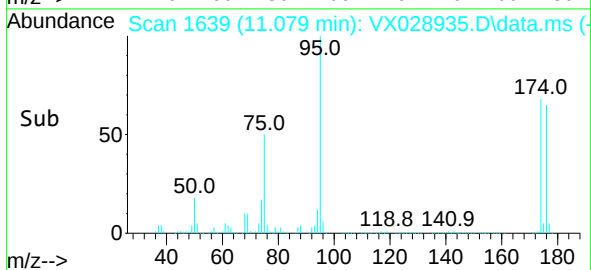
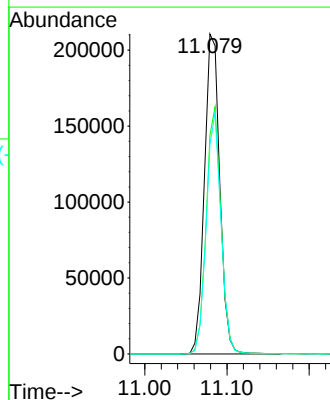
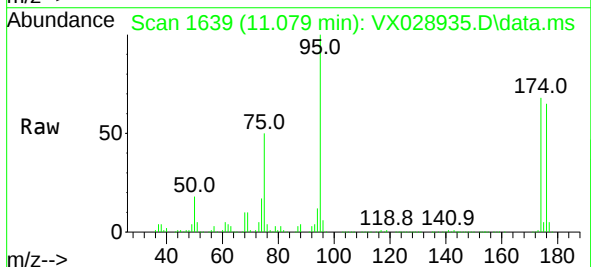
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANAG

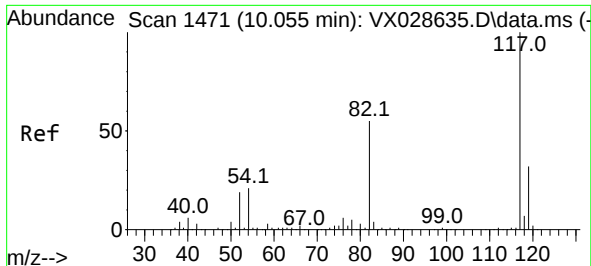
Tgt Ion: 43 Resp: 2806  
Ion Ratio Lower Upper  
43 100  
58 196.7 36.1 54.1#



#62  
4-Bromofluorobenzene  
Concen: 50.890 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.006 min  
Lab File: VX028935.D  
Acq: 24 May 2022 20:35

Tgt Ion: 95 Resp: 272909  
Ion Ratio Lower Upper  
95 100  
174 74.7 0.0 163.0  
176 72.4 0.0 155.0

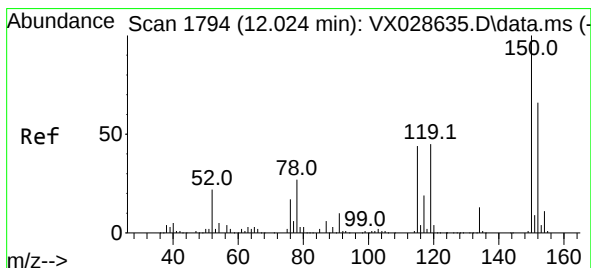
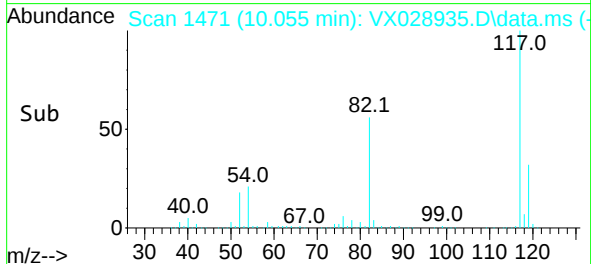
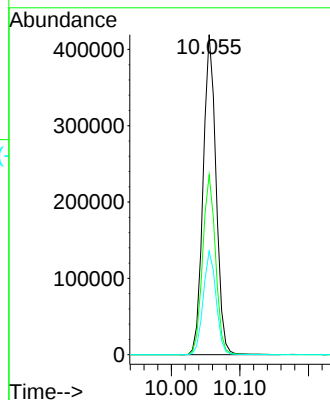
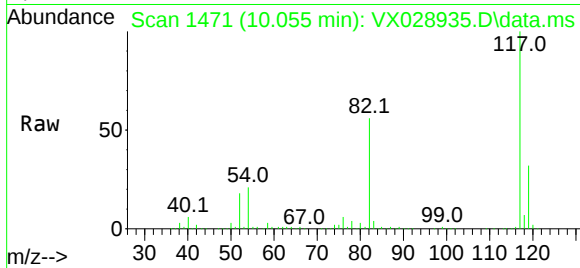




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX028935.D  
Acq: 24 May 2022 20:35

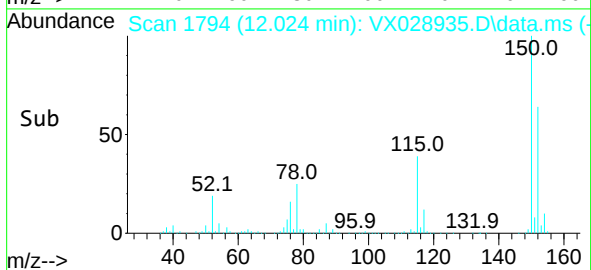
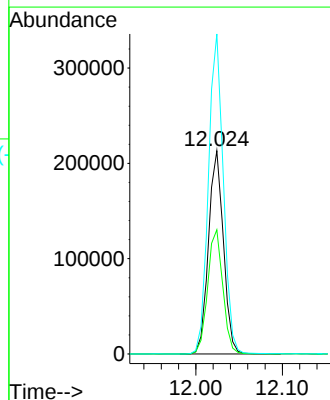
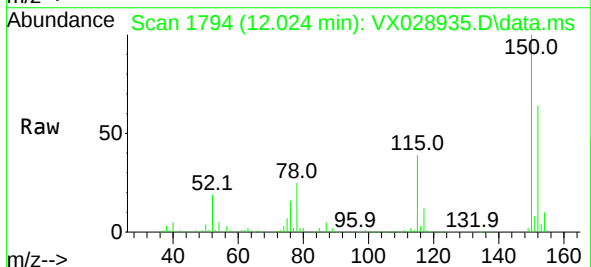
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANAG

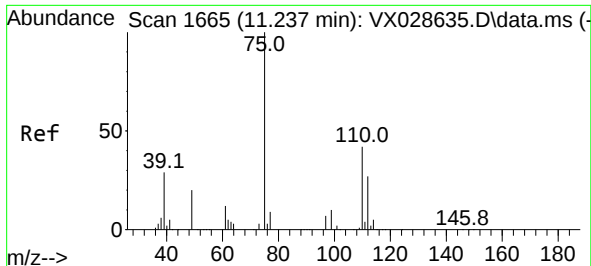
Tgt Ion:117 Resp: 551178  
Ion Ratio Lower Upper  
117 100  
82 56.2 41.8 62.8  
119 32.4 24.8 37.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX028935.D  
Acq: 24 May 2022 20:35

Tgt Ion:152 Resp: 255461  
Ion Ratio Lower Upper  
152 100  
115 62.0 37.5 112.7  
150 157.4 0.0 338.2

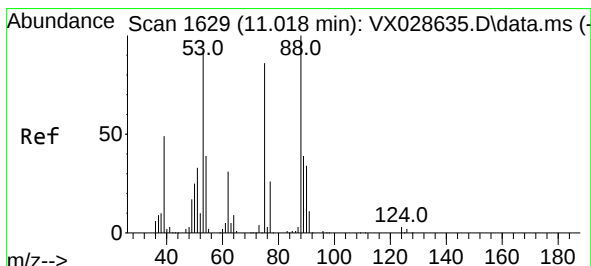
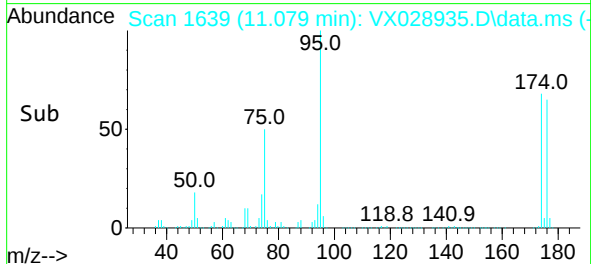
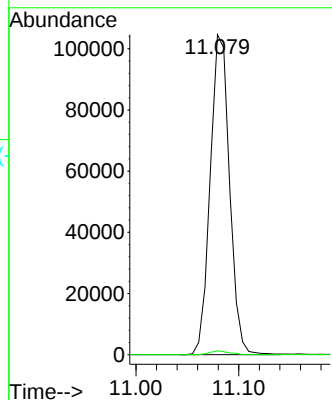
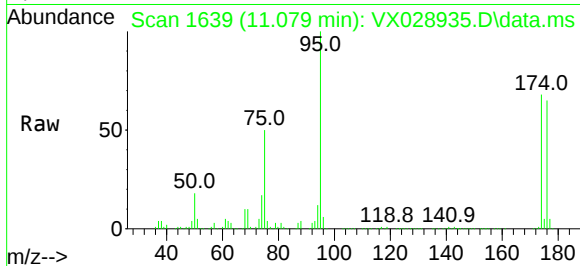




#76  
1,2,3-Trichloropropane  
Concen: 22.852 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX028935.D  
Acq: 24 May 2022 20:35

Instrument : MSVOA\_X  
ClientSampleId : STORAGE-BLANK-SAMPLE-MANAG

Tgt Ion: 75 Resp: 136716  
Ion Ratio Lower Upper  
75 100  
77 1.2 19.4 58.2#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 66.767 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX028935.D  
Acq: 24 May 2022 20:35

Tgt Ion: 75 Resp: 136716  
Ion Ratio Lower Upper  
75 100  
53 0.0 69.0 103.4#  
89 0.0 37.0 55.6#

