

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022125\  
 Data File : VX045017.D  
 Acq On : 21 Feb 2025 14:39  
 Operator : JC/MD  
 Sample : VX0221WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0221WBL01

Quant Time: Feb 22 01:15:11 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X022125W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Feb 22 01:06:36 2025  
 Response via : Initial Calibration

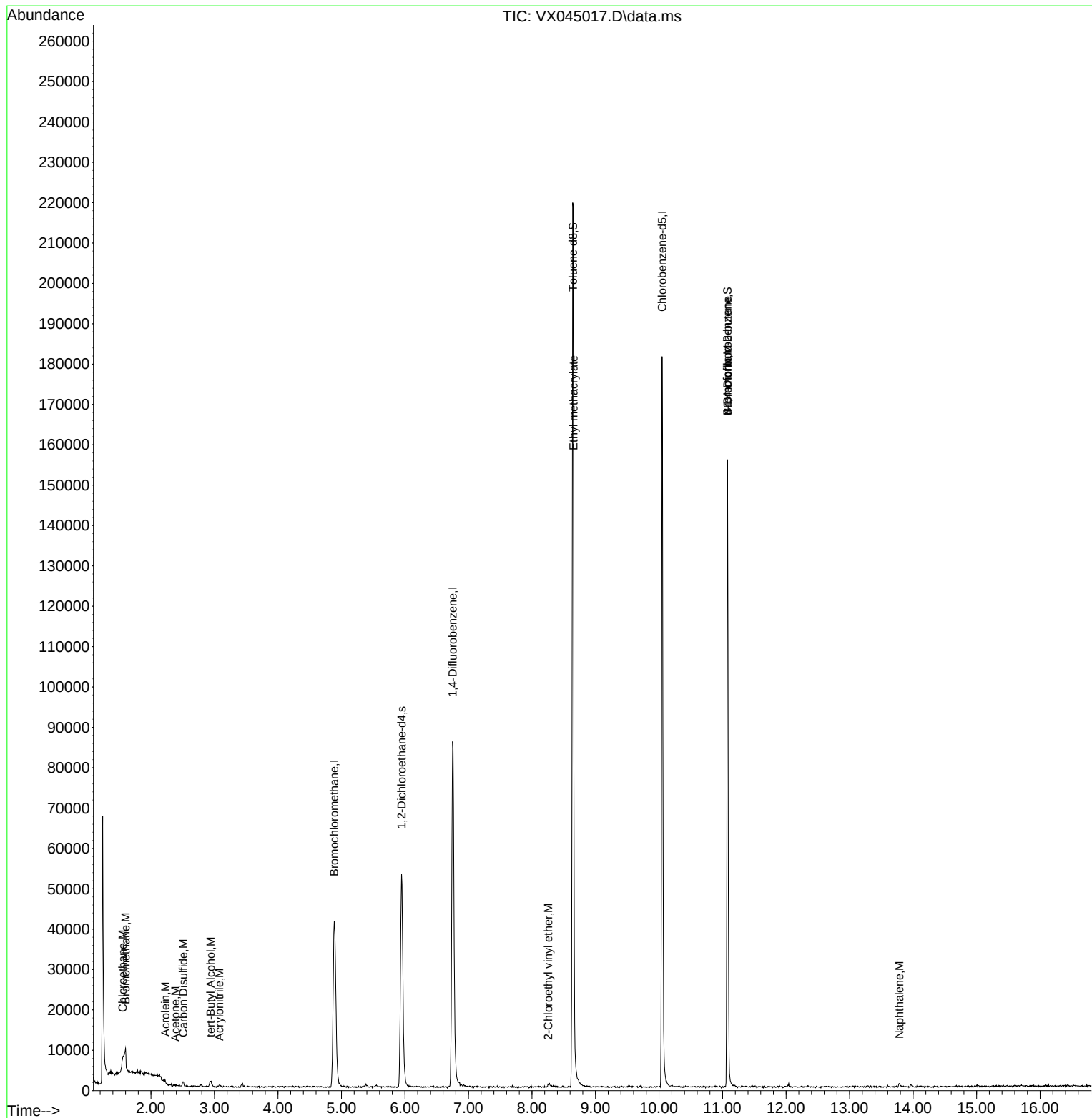
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Bromochloromethane         | 4.885  | 128   | 17154    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene       | 6.751  | 114   | 89720    | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5          | 10.049 | 117   | 80662    | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4     | 5.946  | 65    | 48440    | 29.074   | ug/l   | 0.00     |
| Spiked Amount                 | 30.000 | Range | 91 - 110 | Recovery | =      | 96.900%  |
| 60) 4-Bromofluorobenzene      | 11.079 | 95    | 42368    | 28.101   | ug/l   | 0.00     |
| Spiked Amount                 | 30.000 | Range | 63 - 112 | Recovery | =      | 93.667%  |
| 63) Toluene-d8                | 8.647  | 98    | 136315   | 30.548   | ug/l   | 0.00     |
| Spiked Amount                 | 30.000 | Range | 91 - 112 | Recovery | =      | 101.833% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Bromomethane               | 1.599  | 94    | 161      | 0.277    | ug/l   | 91       |
| 6) Chloroethane               | 1.556  | 64    | 461      | 0.509    | ug/l   | 95       |
| 13) Acrolein                  | 2.227  | 56    | 280      | 0.923    | ug/l   | 89       |
| 14) Acrylonitrile             | 3.074  | 53    | 187      | 0.253    | ug/l # | 68       |
| 15) Acetone                   | 2.386  | 58    | 50       | 0.247    | ug/l # | 1        |
| 16) Carbon Disulfide          | 2.507  | 76    | 1547     | 0.419    | ug/l # | 94       |
| 23) tert-Butyl Alcohol        | 2.940  | 59    | 1019     | 3.949    | ug/l # | 100      |
| 51) Ethyl methacrylate        | 8.653  | 69    | 394      | 0.208    | ug/l # | 74       |
| 55) 2-Chloroethyl vinyl ether | 8.256  | 63    | 344      | 0.354    | ug/l # | 52       |
| 56) Bromoform                 | 11.079 | 173   | 362      | 0.434    | ug/l # | 1        |
| 77) t-1,4-Dichloro-2-butene   | 11.079 | 75    | 22255    | 44.316   | ug/l # | 10       |
| 91) Naphthalene               | 13.786 | 128   | 1078     | 0.217    | ug/l # | 93       |
| -----                         |        |       |          |          |        |          |

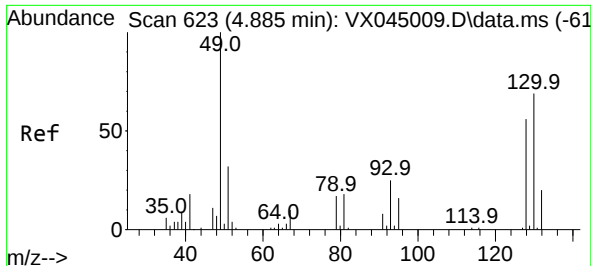
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022125\  
Data File : VX045017.D  
Acq On : 21 Feb 2025 14:39  
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Sample : VX0221WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0221WBL01

Quant Time: Feb 22 01:15:11 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X022125W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Sat Feb 22 01:06:36 2025  
Response via : Initial Calibration

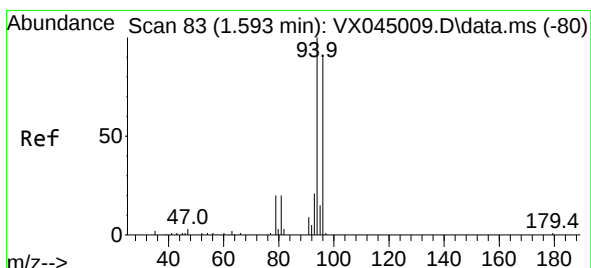
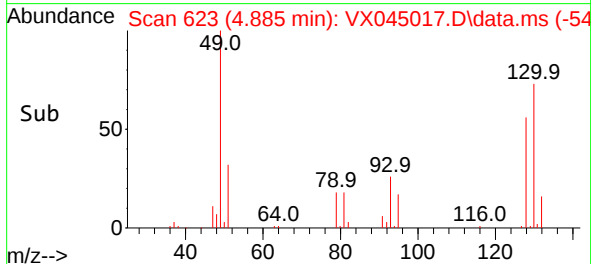
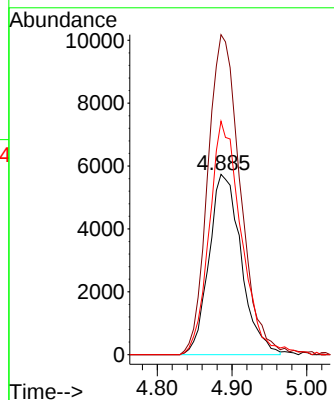
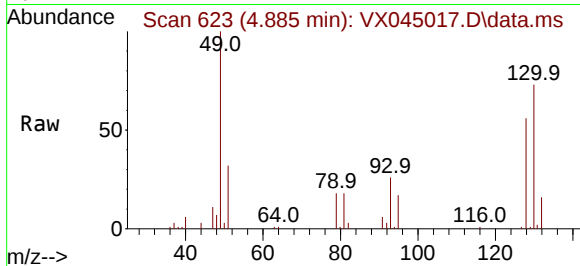




#1  
 Bromochloromethane  
 Concen: 30.000 ug/l  
 RT: 4.885 min Scan# 61  
 Delta R.T. 0.000 min  
 Lab File: VX045017.D  
 Acq: 21 Feb 2025 14:39

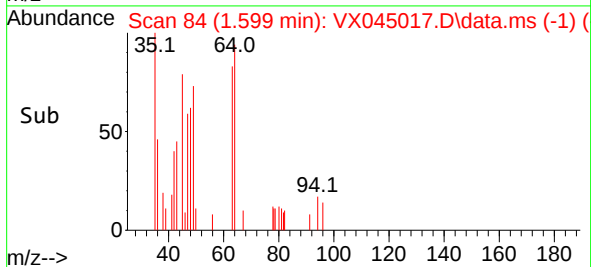
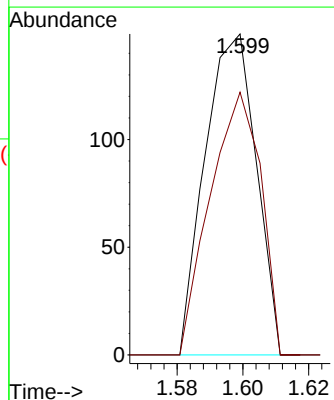
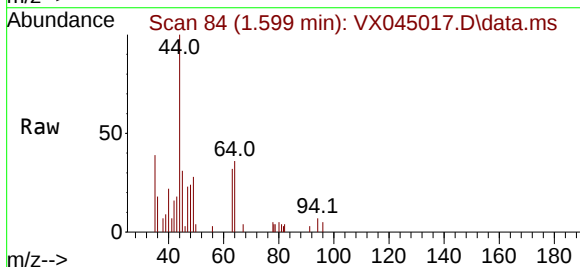
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0221WBL01

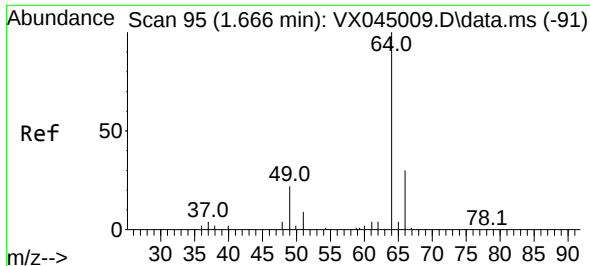
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 17154 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 179.2 | 0.0   | 449.7 |
| 130      | 129.2 | 0.0   | 312.7 |



#5  
 Bromomethane  
 Concen: 0.277 ug/l  
 RT: 1.599 min Scan# 84  
 Delta R.T. 0.006 min  
 Lab File: VX045017.D  
 Acq: 21 Feb 2025 14:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 94    | Resp: | 161   |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 96       | 81.9  | 72.2  | 108.4 |

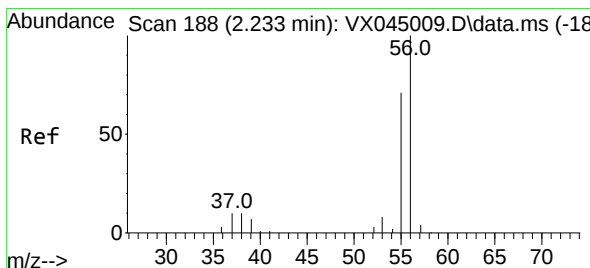
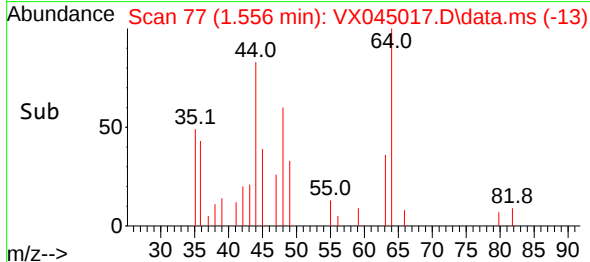
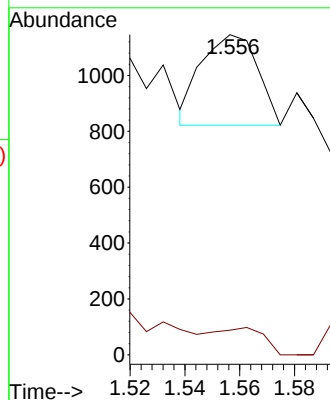
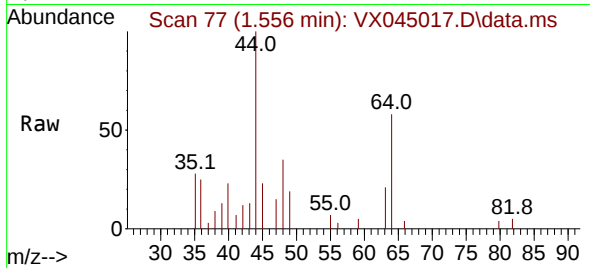




#6  
Chloroethane  
Concen: 0.509 ug/l  
RT: 1.556 min Scan# 71  
Delta R.T. -0.110 min  
Lab File: VX045017.D  
Acq: 21 Feb 2025 14:39

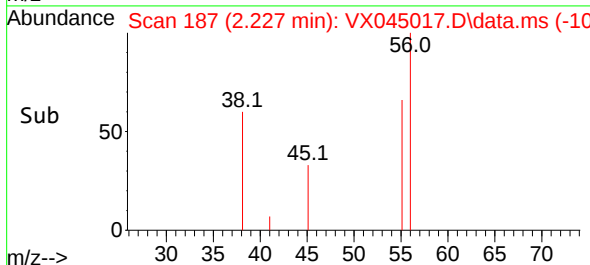
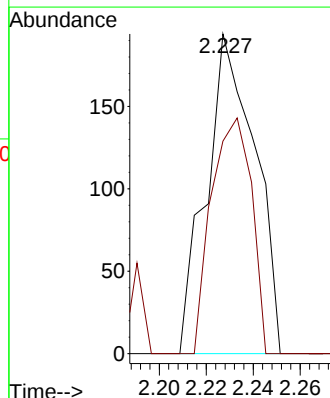
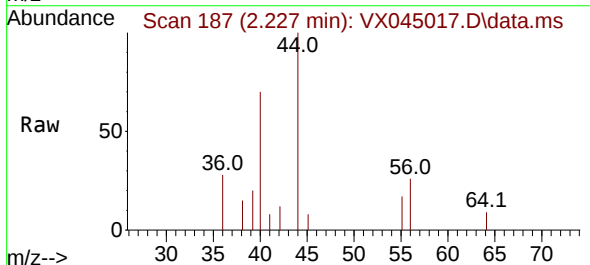
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0221WBL01

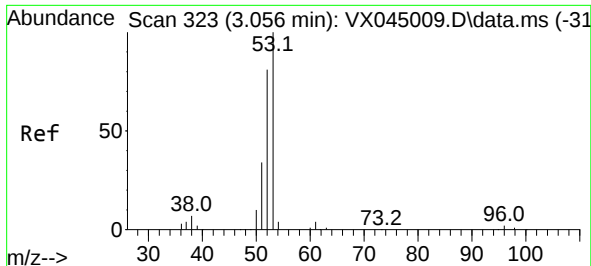
Tgt Ion: 64 Resp: 461  
Ion Ratio Lower Upper  
64 100  
66 27.2 23.7 35.5



#13  
Acrolein  
Concen: 0.923 ug/l  
RT: 2.227 min Scan# 187  
Delta R.T. -0.006 min  
Lab File: VX045017.D  
Acq: 21 Feb 2025 14:39

Tgt Ion: 56 Resp: 280  
Ion Ratio Lower Upper  
56 100  
55 60.7 55.4 83.2





#14

Acrylonitrile

Concen: 0.253 ug/l

RT: 3.074 min Scan# 31

Delta R.T. 0.018 min

Lab File: VX045017.D

Acq: 21 Feb 2025 14:39

Instrument :

MSVOA\_X

ClientSampleId :

VX0221WBL01

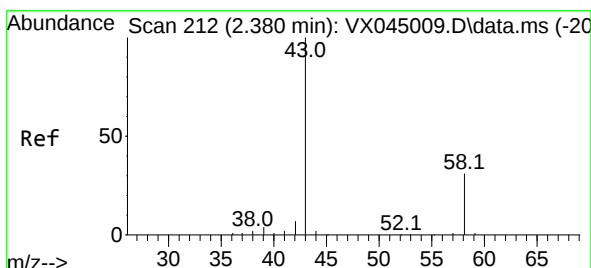
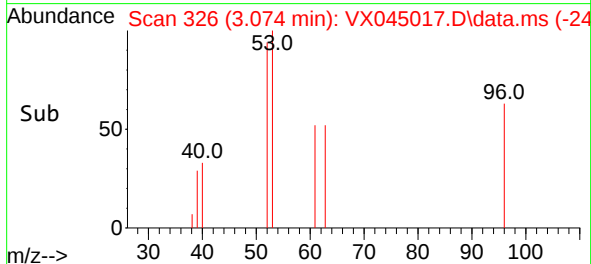
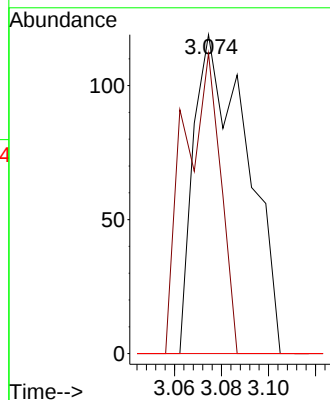
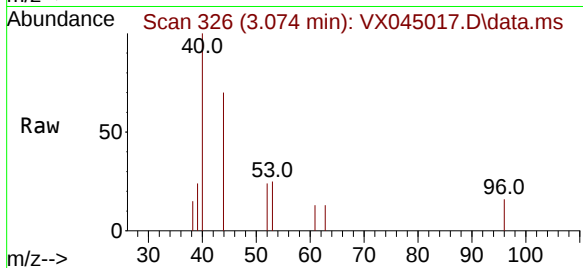
Tgt Ion: 53 Resp: 187

Ion Ratio Lower Upper

53 100

52 64.7 40.9 122.8

51 0.0 18.0 54.0#



#15

Acetone

Concen: 0.247 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX045017.D

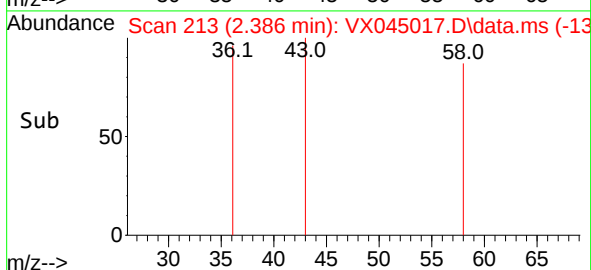
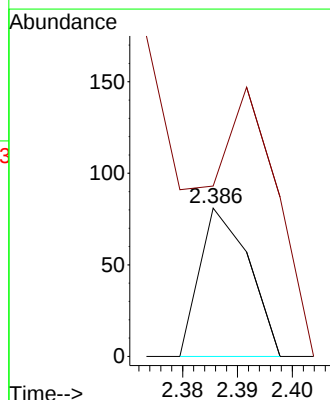
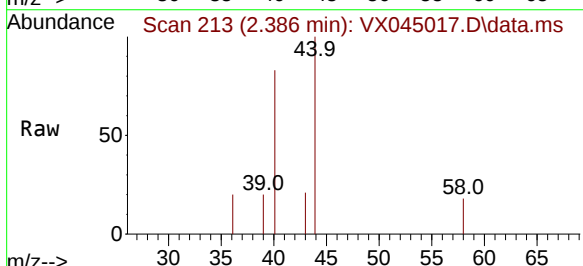
Acq: 21 Feb 2025 14:39

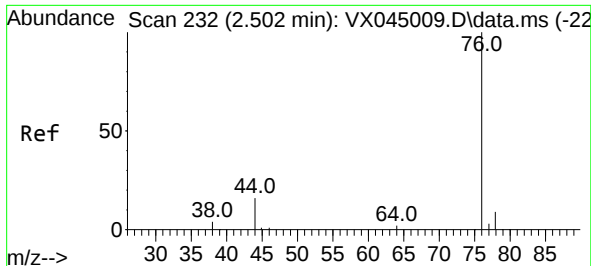
Tgt Ion: 58 Resp: 50

Ion Ratio Lower Upper

58 100

43 7.4 258.6 388.0#

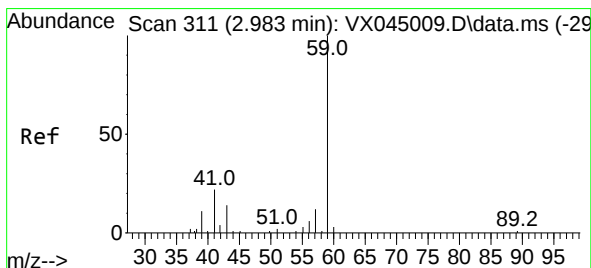
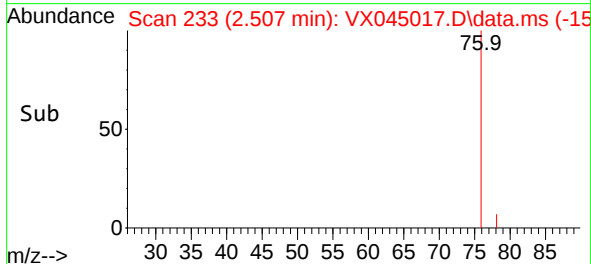
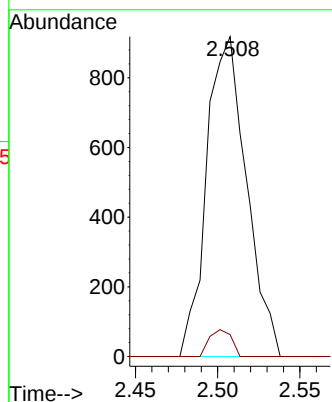
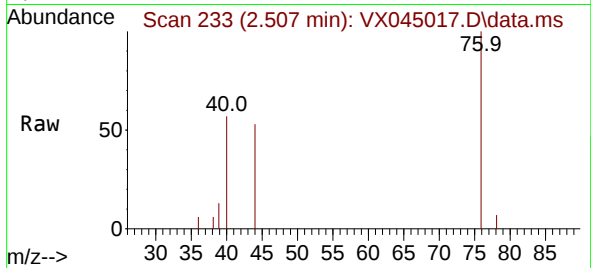




#16  
Carbon Disulfide  
Concen: 0.419 ug/l  
RT: 2.507 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX045017.D  
Acq: 21 Feb 2025 14:39

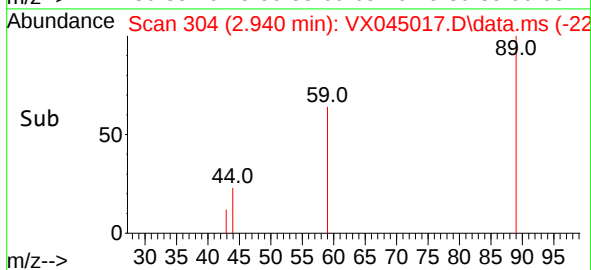
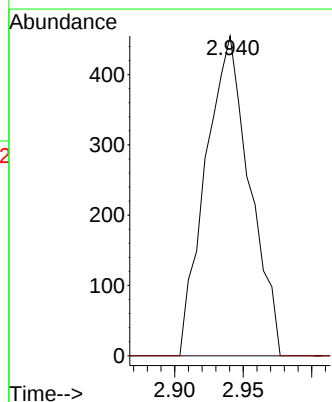
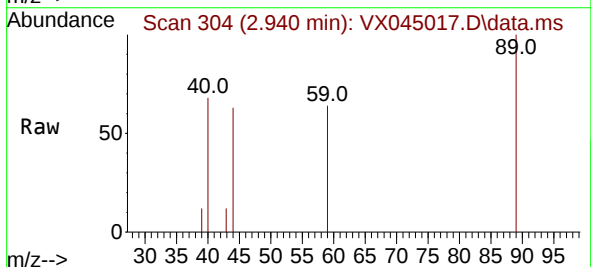
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0221WBL01

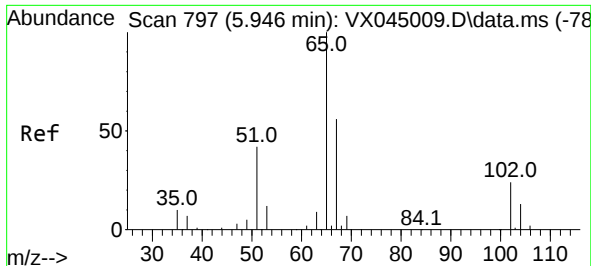
Tgt Ion: 76 Resp: 1547  
Ion Ratio Lower Upper  
76 100  
78 6.9 7.3 10.9#



#23  
tert-Butyl Alcohol  
Concen: 3.949 ug/l  
RT: 2.940 min Scan# 304  
Delta R.T. -0.043 min  
Lab File: VX045017.D  
Acq: 21 Feb 2025 14:39

Tgt Ion: 59 Resp: 1019  
Ion Ratio Lower Upper  
59 100  
52 11.9 0.0 0.0#





#27

1,2-Dichloroethane-d4

Concen: 29.074 ug/l

RT: 5.946 min Scan# 797

Delta R.T. -0.000 min

Lab File: VX045017.D

Acq: 21 Feb 2025 14:39

Instrument :

MSVOA\_X

ClientSampleId :

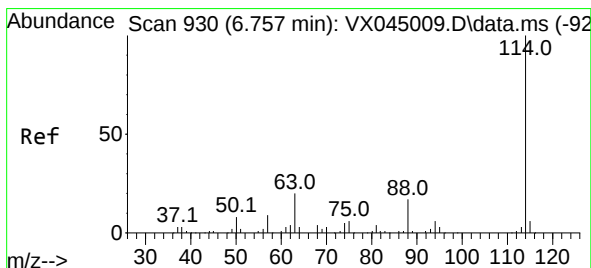
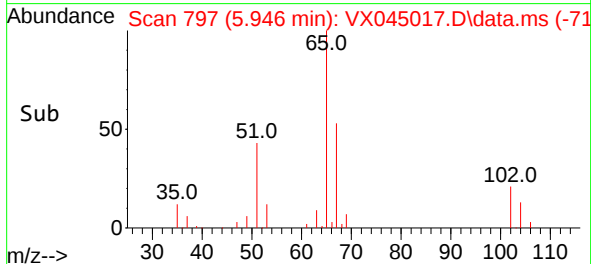
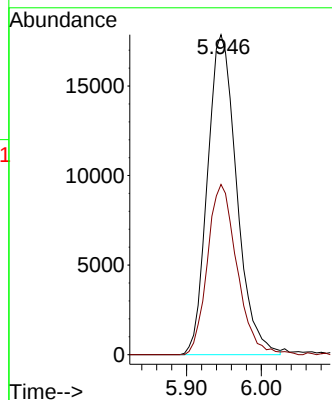
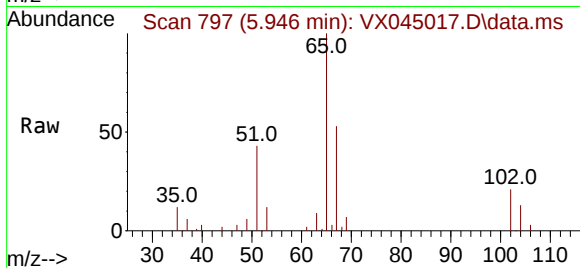
VX0221WBL01

Tgt Ion: 65 Resp: 48440

Ion Ratio Lower Upper

65 100

67 53.5 42.6 64.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX045017.D

Acq: 21 Feb 2025 14:39

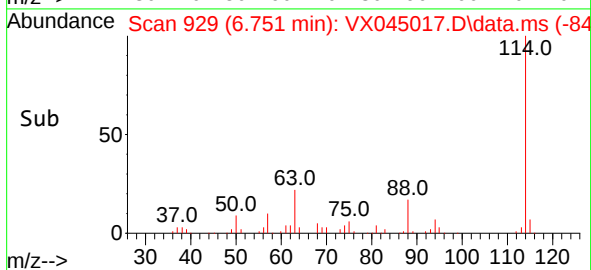
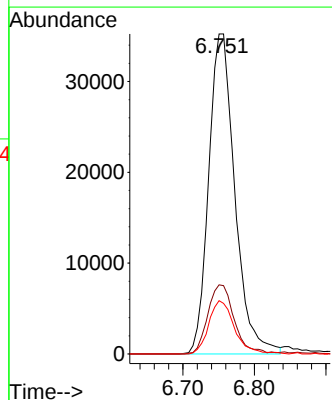
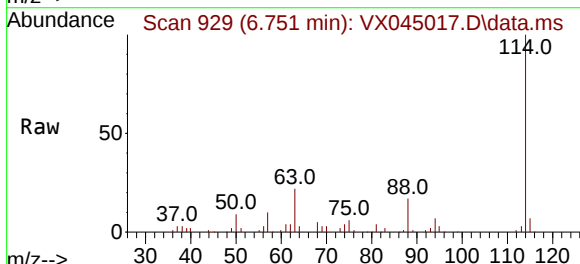
Tgt Ion: 114 Resp: 89720

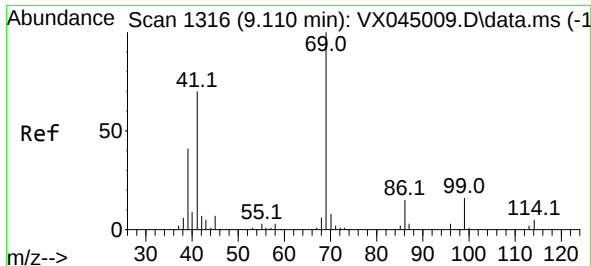
Ion Ratio Lower Upper

114 100

63 21.6 16.8 25.2

88 16.2 12.7 19.1

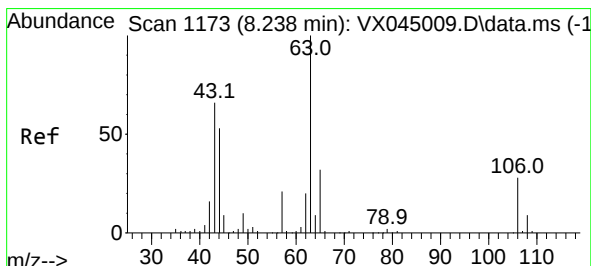
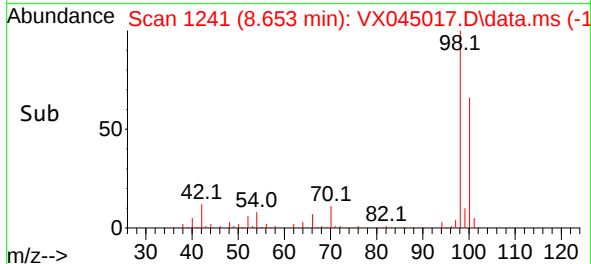
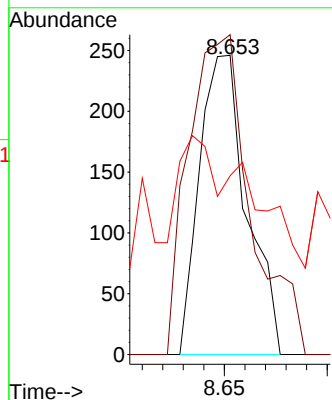
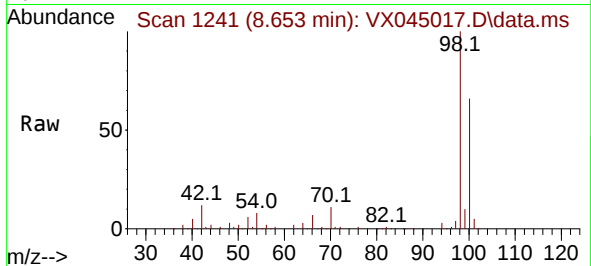




#51  
Ethyl methacrylate  
Concen: 0.208 ug/l  
RT: 8.653 min Scan# 1176  
Delta R.T. -0.457 min  
Lab File: VX045017.D  
Acq: 21 Feb 2025 14:39

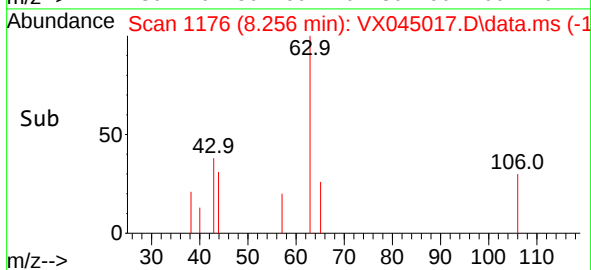
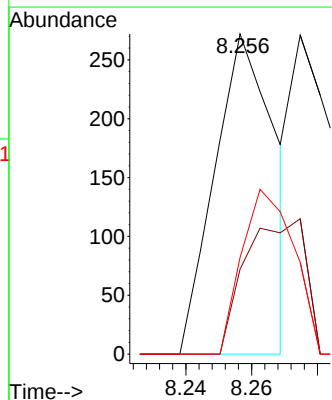
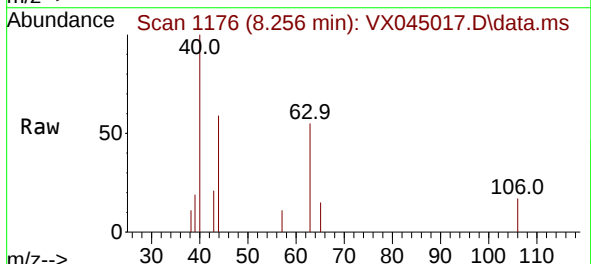
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0221WBL01

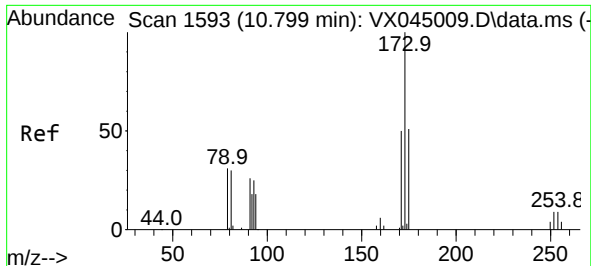
Tgt Ion: 69 Resp: 394  
Ion Ratio Lower Upper  
69 100  
41 80.5 35.1 105.3  
39 10.2 20.5 61.6#



#55  
2-Chloroethyl vinyl ether  
Concen: 0.354 ug/l  
RT: 8.256 min Scan# 1176  
Delta R.T. 0.018 min  
Lab File: VX045017.D  
Acq: 21 Feb 2025 14:39

Tgt Ion: 63 Resp: 344  
Ion Ratio Lower Upper  
63 100  
65 0.0 26.2 39.2#  
106 44.8 21.2 31.8#

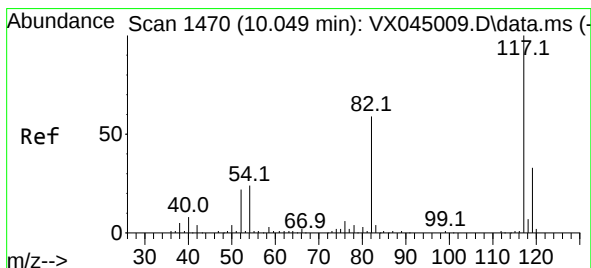
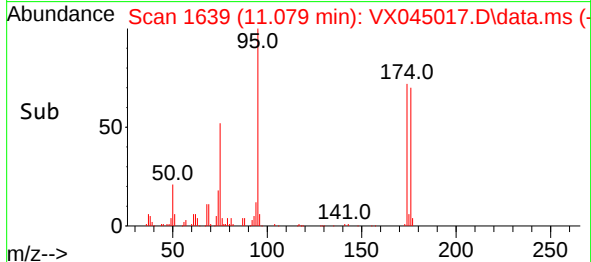
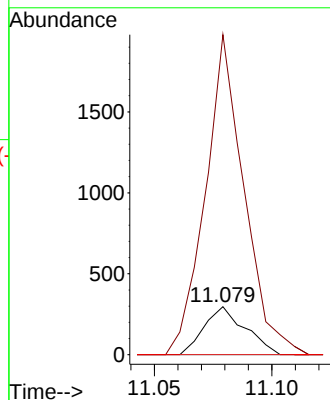
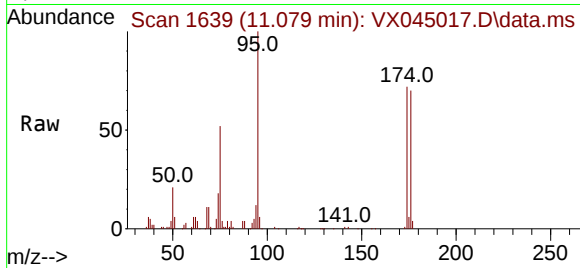




#56  
Bromoform  
Concen: 0.434 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.280 min  
Lab File: VX045017.D  
Acq: 21 Feb 2025 14:39

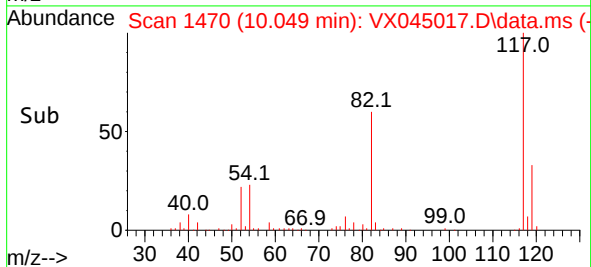
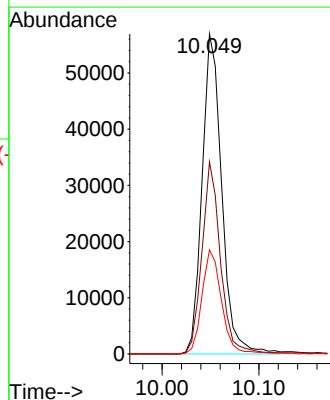
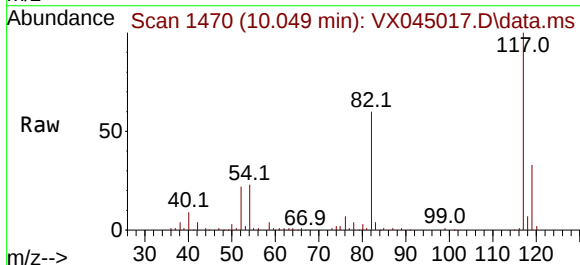
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0221WBL01

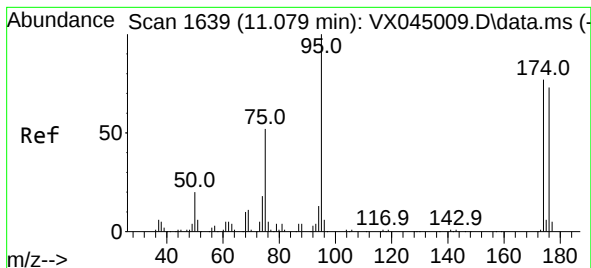
Tgt Ion:173 Resp: 362  
Ion Ratio Lower Upper  
173 100  
175 626.5 39.6 59.4#  
254 0.0 6.3 9.5#



#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX045017.D  
Acq: 21 Feb 2025 14:39

Tgt Ion:117 Resp: 80662  
Ion Ratio Lower Upper  
117 100  
82 56.8 45.8 68.8  
119 32.3 25.5 38.3

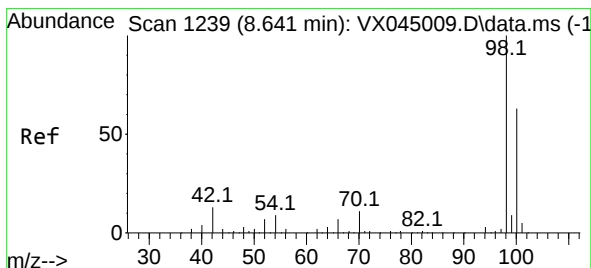
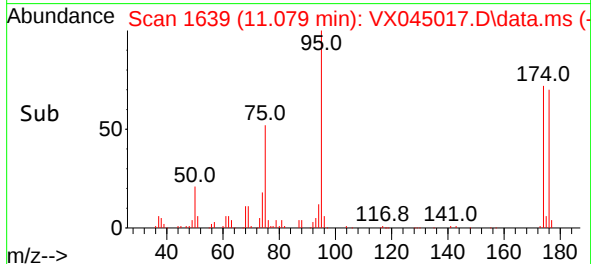
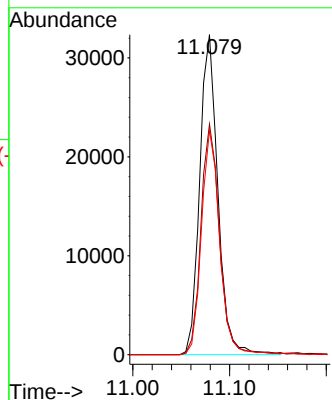
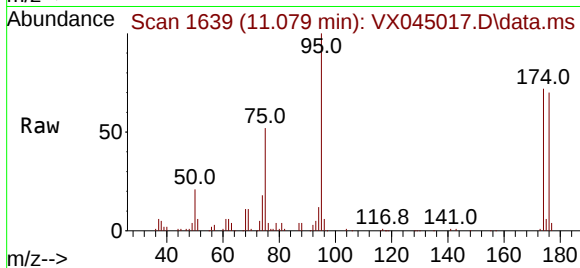




#60  
4-Bromofluorobenzene  
Concen: 28.101 ug/l  
RT: 11.079 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX045017.D  
Acq: 21 Feb 2025 14:39

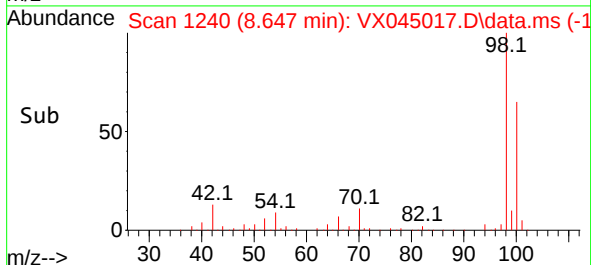
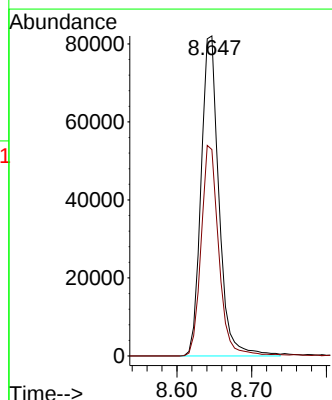
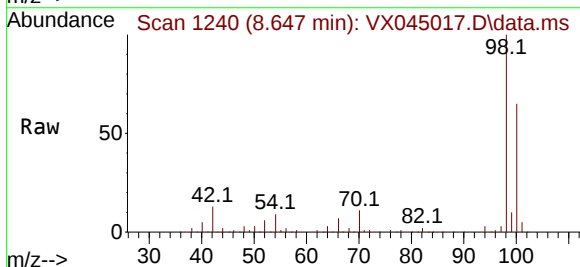
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0221WBL01

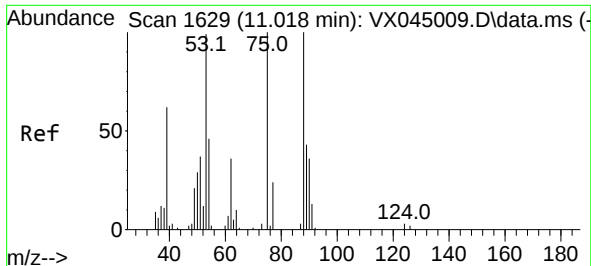
Tgt Ion: 95 Resp: 42368  
Ion Ratio Lower Upper  
95 100  
174 73.5 59.5 89.3  
176 70.1 55.5 83.3



#63  
Toluene-d8  
Concen: 30.548 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.006 min  
Lab File: VX045017.D  
Acq: 21 Feb 2025 14:39

Tgt Ion: 98 Resp: 136315  
Ion Ratio Lower Upper  
98 100  
100 65.1 51.7 77.5

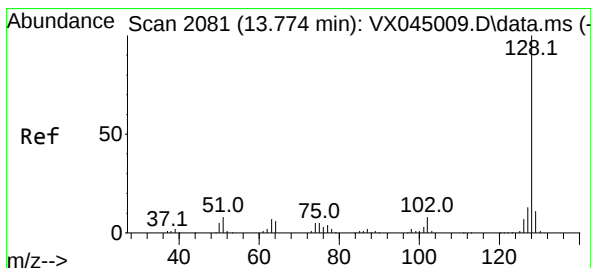
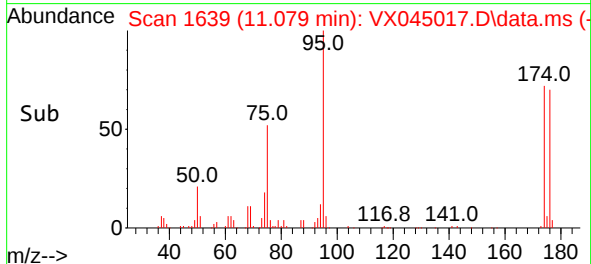
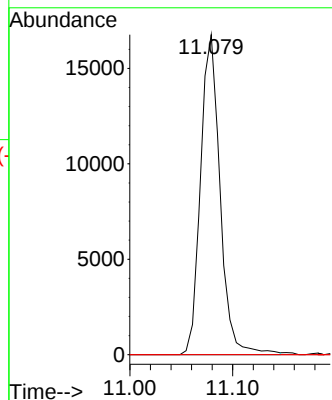
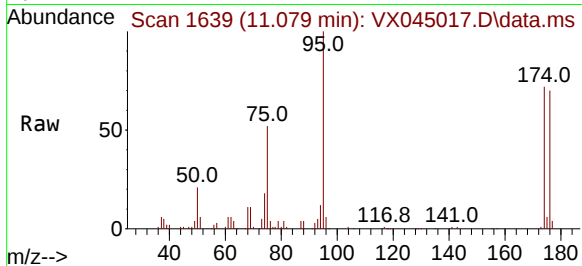




#77  
t-1,4-Dichloro-2-butene  
Concen: 44.316 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX045017.D  
Acq: 21 Feb 2025 14:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0221WBL01

Tgt Ion: 75 Resp: 22255  
Ion Ratio Lower Upper  
75 100  
53 0.0 49.8 149.4#  
89 0.0 21.4 64.2#



#91  
Naphthalene  
Concen: 0.217 ug/l  
RT: 13.786 min Scan# 2083  
Delta R.T. 0.012 min  
Lab File: VX045017.D  
Acq: 21 Feb 2025 14:39

Tgt Ion:128 Resp: 1078  
Ion Ratio Lower Upper  
128 100  
127 8.2 10.5 15.7#  
129 10.5 8.7 13.1

