

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051624\  
 Data File : VX041574.D  
 Acq On : 16 May 2024 19:18  
 Operator : JC/MD  
 Sample : P2516-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: May 17 02:43:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X051524W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu May 16 05:13:13 2024  
 Response via : Initial Calibration

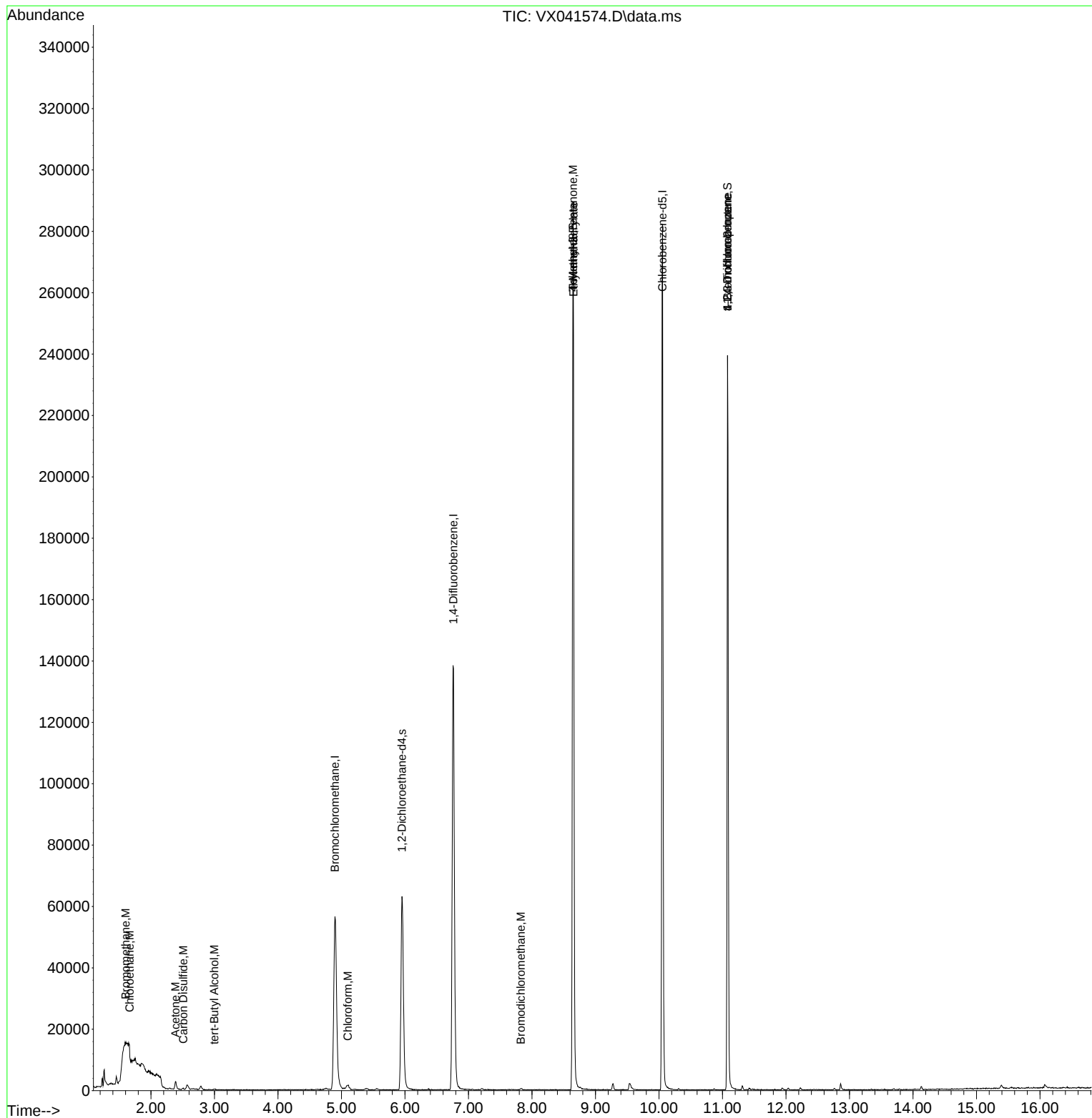
| Compound                    | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|---------|--------|----------|
| -----                       |                |      |            |         |        |          |
| Internal Standards          |                |      |            |         |        |          |
| 1) Bromochloromethane       | 4.898          | 128  | 27336      | 30.000  | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 6.763          | 114  | 147744     | 30.000  | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 10.055         | 117  | 134861     | 30.000  | ug/l   | 0.00     |
|                             |                |      |            |         |        |          |
| System Monitoring Compounds |                |      |            |         |        |          |
| 27) 1,2-Dichloroethane-d4   | 5.952          | 65   | 63992      | 29.727  | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 91 - 110 |      | Recovery = | 99.100% |        |          |
| 60) 4-Bromofluorobenzene    | 11.079         | 95   | 59387      | 28.209  | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 63 - 112 |      | Recovery = | 94.033% |        |          |
| 63) Toluene-d8              | 8.647          | 98   | 172332     | 29.810  | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 91 - 112 |      | Recovery = | 99.367% |        |          |
|                             |                |      |            |         |        |          |
| Target Compounds            |                |      |            |         |        | Qvalue   |
| 5) Bromomethane             | 1.599          | 94   | 227        | 0.217   | ug/l   | 96       |
| 6) Chloroethane             | 1.666          | 64   | 792        | 0.950   | ug/l # | 49       |
| 15) Acetone                 | 2.386          | 58   | 992        | 3.998   | ug/l   | 89       |
| 16) Carbon Disulfide        | 2.508          | 76   | 736        | 0.233   | ug/l # | 74       |
| 23) tert-Butyl Alcohol      | 2.995          | 59   | 249        | 0.634   | ug/l # | 100      |
| 25) Chloroform              | 5.099          | 83   | 2030       | 0.651   | ug/l   | 92       |
| 41) Bromodichloromethane    | 7.824          | 83   | 439        | 0.204   | ug/l # | 92       |
| 51) Ethyl methacrylate      | 8.653          | 69   | 547        | 0.213   | ug/l   | 91       |
| 58) 4-Methyl-2-Pentanone    | 8.647          | 43   | 724        | 0.294   | ug/l # | 1        |
| 72) 1,2,3-Trichloropropane  | 11.079         | 75   | 30383      | 13.232  | ug/l   | 37       |
| 77) t-1,4-Dichloro-2-butene | 11.079         | 75   | 30383      | 42.099  | ug/l # | 1        |
| -----                       |                |      |            |         |        |          |

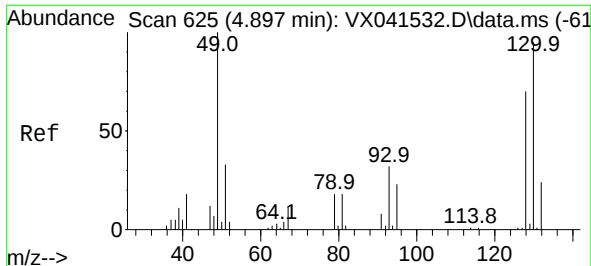
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051624\  
Data File : VX041574.D  
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Sample : P2516-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

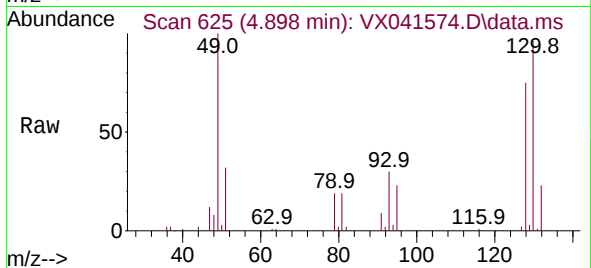
Quant Time: May 17 02:43:43 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X051524W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Thu May 16 05:13:13 2024  
Response via : Initial Calibration



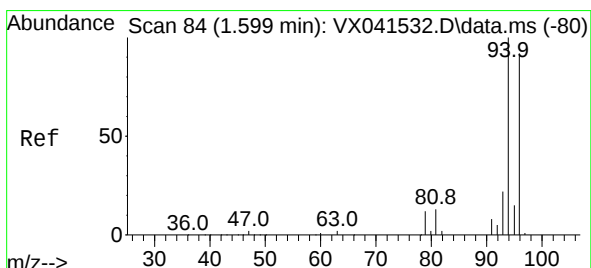
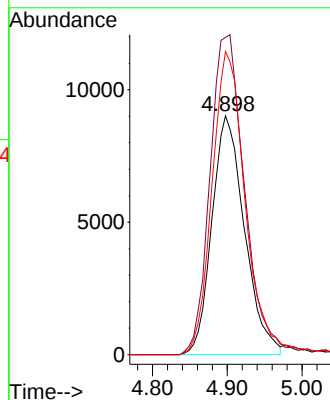
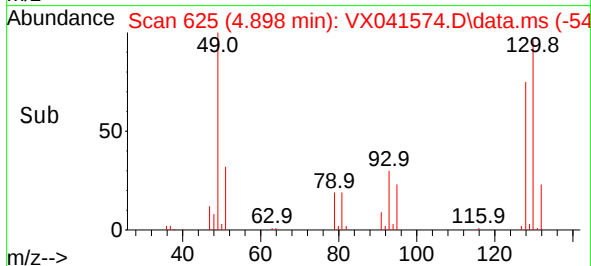


#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.898 min Scan# 61  
Delta R.T. 0.001 min  
Lab File: VX041574.D  
Acq: 16 May 2024 19:18

Instrument :  
MSVOA\_X  
ClientSampleId :

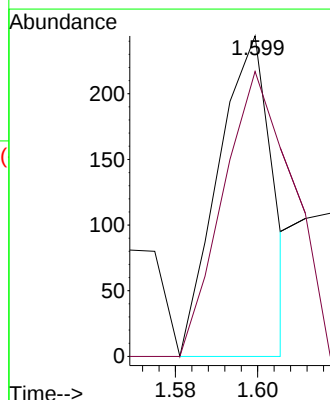
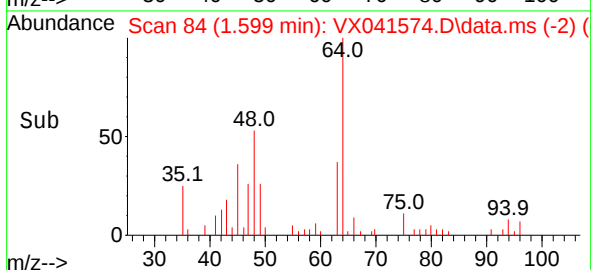
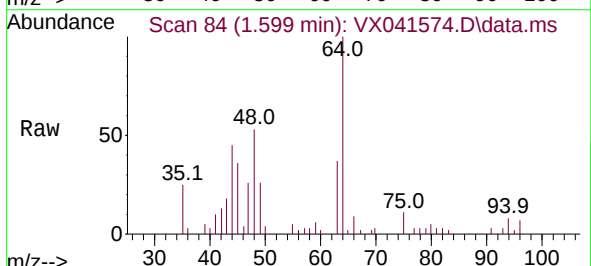


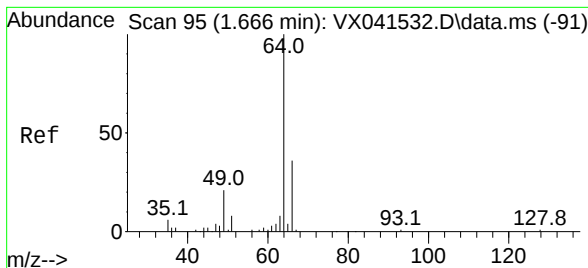
Tgt Ion:128 Resp: 27336  
Ion Ratio Lower Upper  
128 100  
49 141.8 0.0 361.5  
130 128.1 0.0 324.3



#5  
Bromomethane  
Concen: 0.217 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.000 min  
Lab File: VX041574.D  
Acq: 16 May 2024 19:18

Tgt Ion: 94 Resp: 227  
Ion Ratio Lower Upper  
94 100  
96 88.9 73.9 110.9

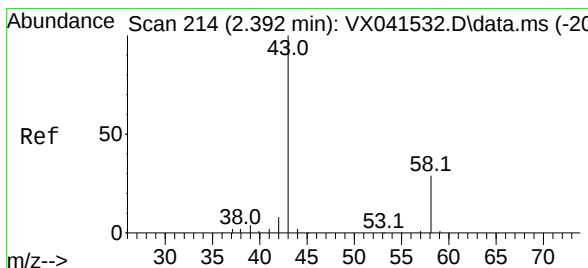
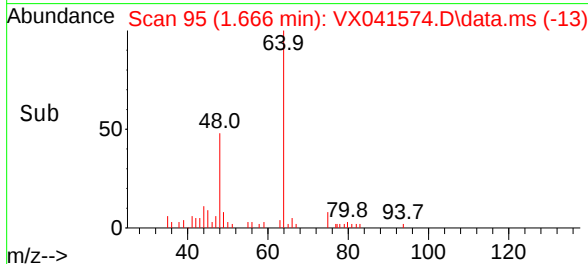
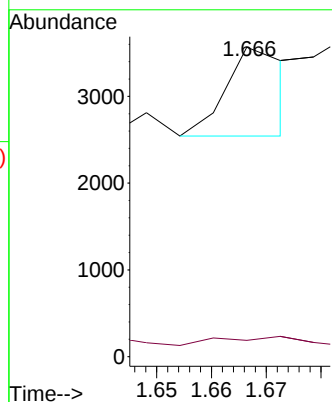
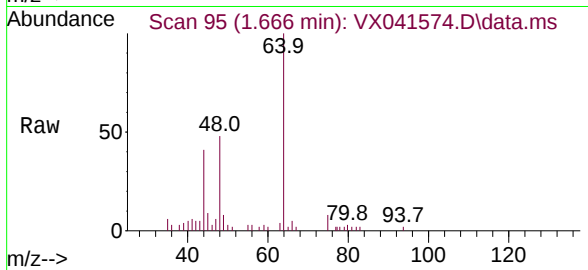




#6  
Chloroethane  
Concen: 0.950 ug/l  
RT: 1.666 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX041574.D  
Acq: 16 May 2024 19:18

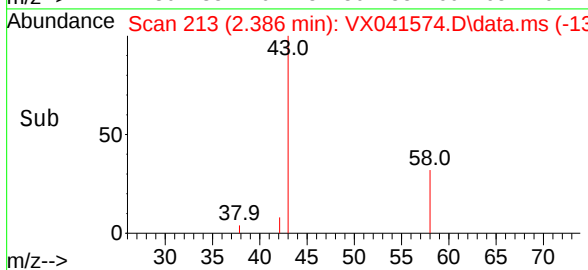
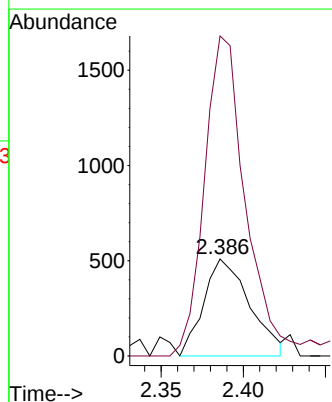
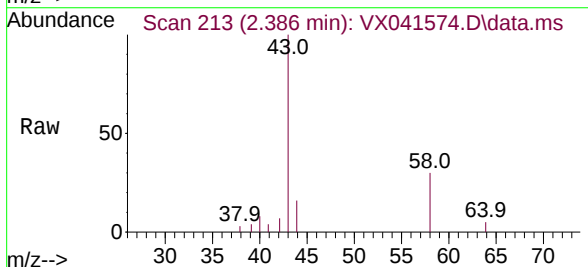
Instrument :  
MSVOA\_X  
ClientSampleId :

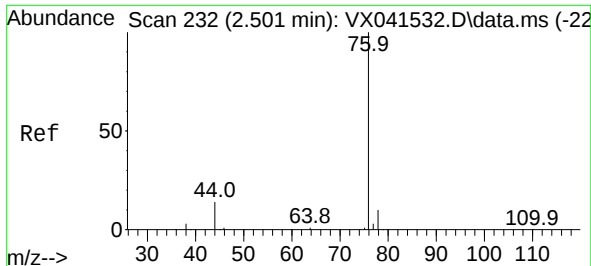
Tgt Ion: 64 Resp: 792  
Ion Ratio Lower Upper  
64 100  
66 5.8 28.6 42.8#



#15  
Acetone  
Concen: 3.998 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX041574.D  
Acq: 16 May 2024 19:18

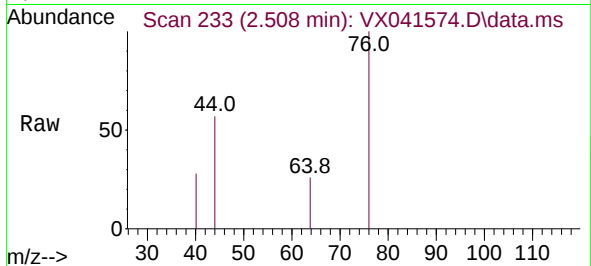
Tgt Ion: 58 Resp: 992  
Ion Ratio Lower Upper  
58 100  
43 319.1 274.0 411.0



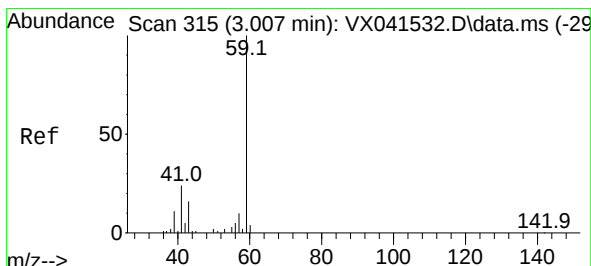
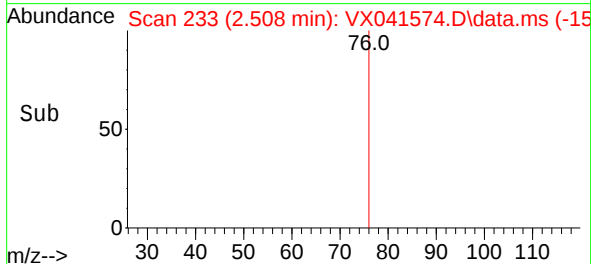
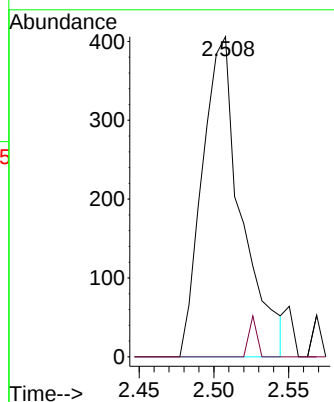


#16  
Carbon Disulfide  
Concen: 0.233 ug/l  
RT: 2.508 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX041574.D  
Acq: 16 May 2024 19:18

Instrument :  
MSVOA\_X  
ClientSampleId :

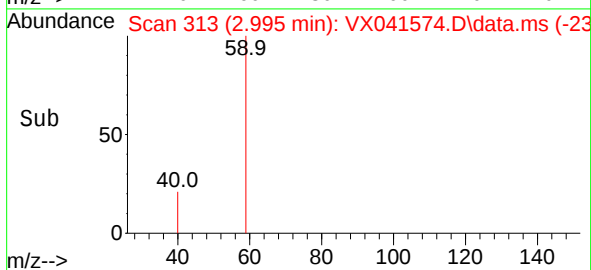
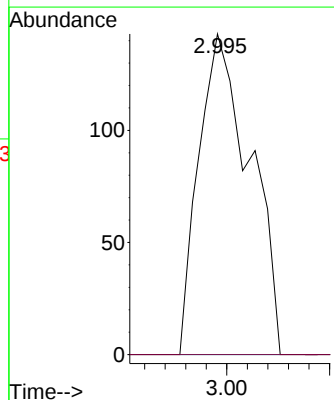
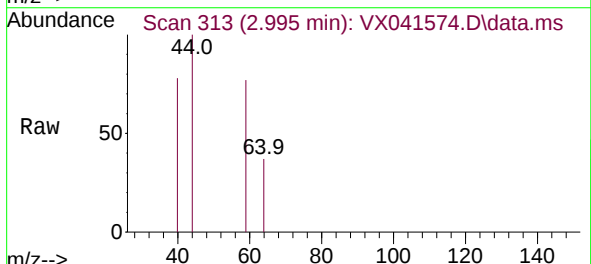


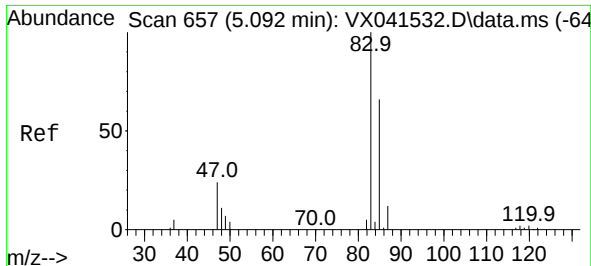
Tgt Ion: 76 Resp: 736  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.6 11.4#



#23  
tert-Butyl Alcohol  
Concen: 0.634 ug/l  
RT: 2.995 min Scan# 313  
Delta R.T. -0.012 min  
Lab File: VX041574.D  
Acq: 16 May 2024 19:18

Tgt Ion: 59 Resp: 249  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0





#25

Chloroform

Concen: 0.651 ug/l

RT: 5.099 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX041574.D

Acq: 16 May 2024 19:18

Instrument :

MSVOA\_X

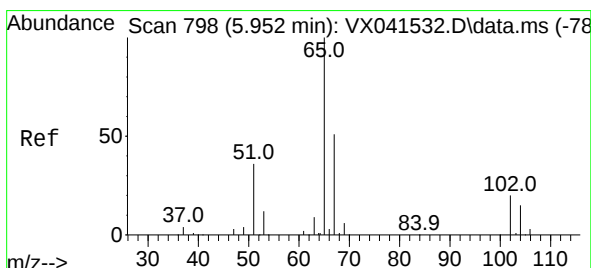
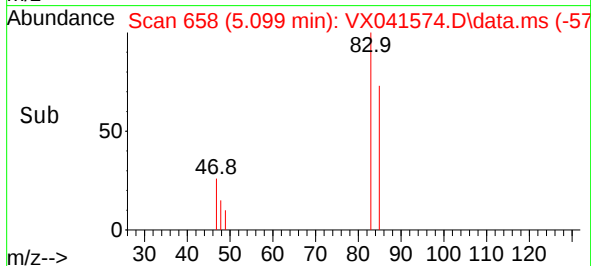
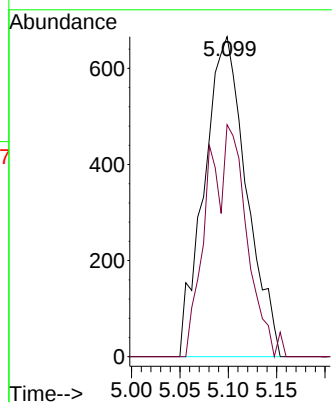
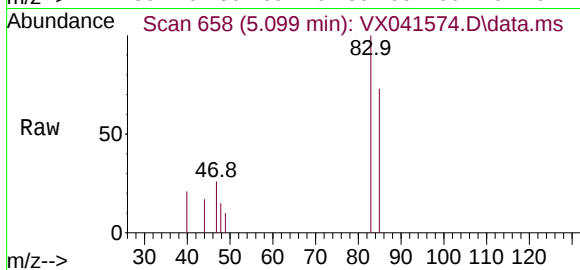
ClientSampleId :

Tgt Ion: 83 Resp: 2030

Ion Ratio Lower Upper

83 100

85 72.5 52.9 79.3



#27

1,2-Dichloroethane-d4

Concen: 29.727 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041574.D

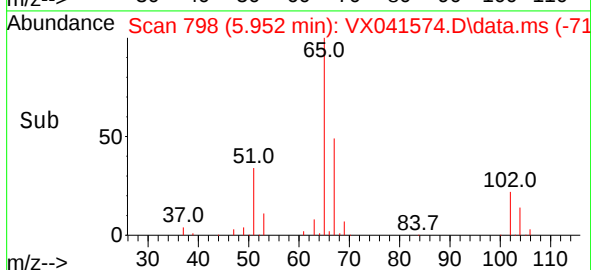
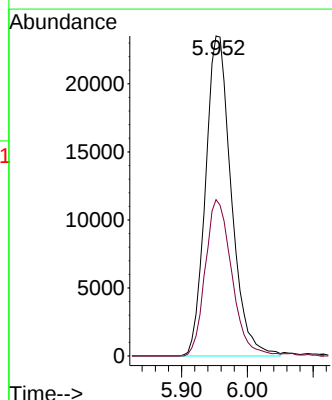
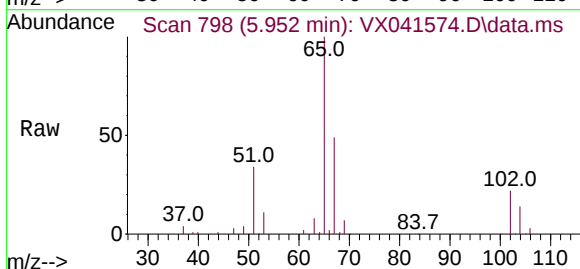
Acq: 16 May 2024 19:18

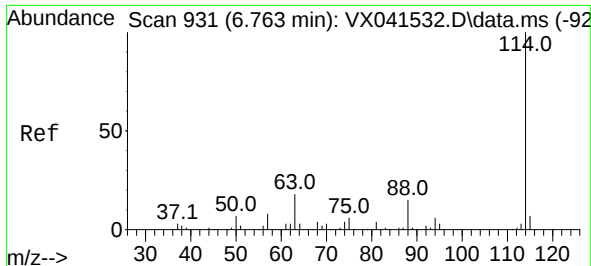
Tgt Ion: 65 Resp: 63992

Ion Ratio Lower Upper

65 100

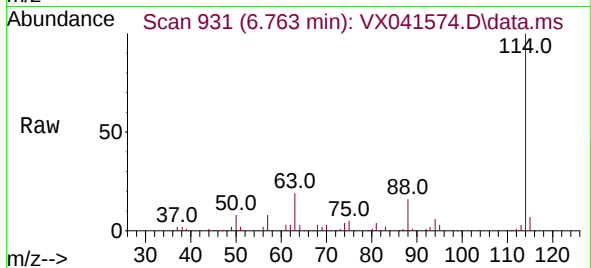
67 50.3 40.8 61.2



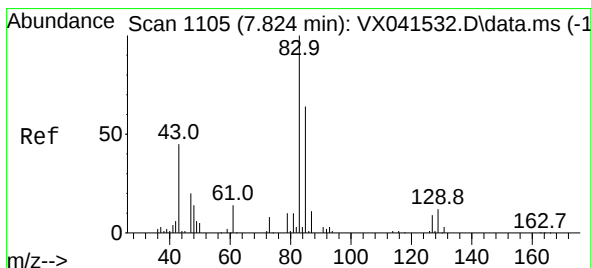
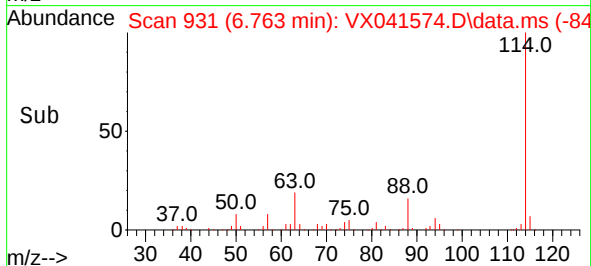
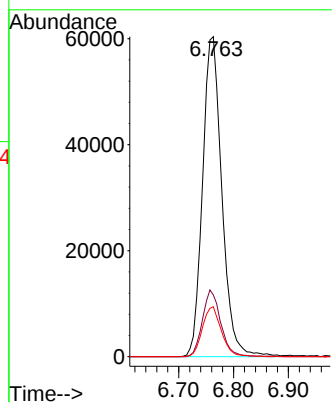


#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. 0.000 min  
Lab File: VX041574.D  
Acq: 16 May 2024 19:18

Instrument :  
MSVOA\_X  
ClientSampleId :

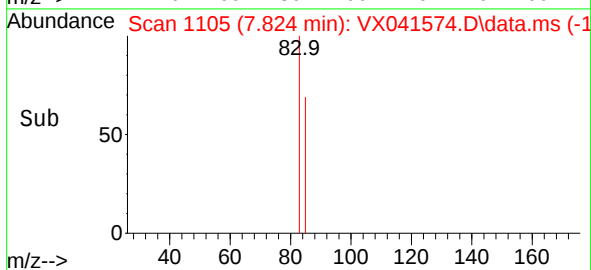
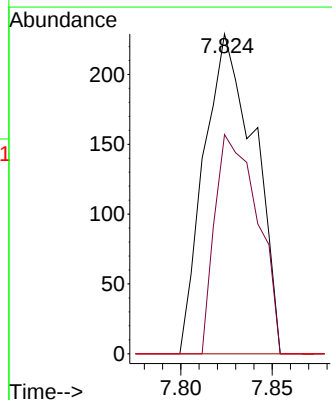
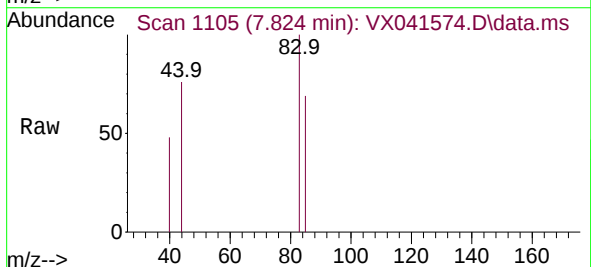


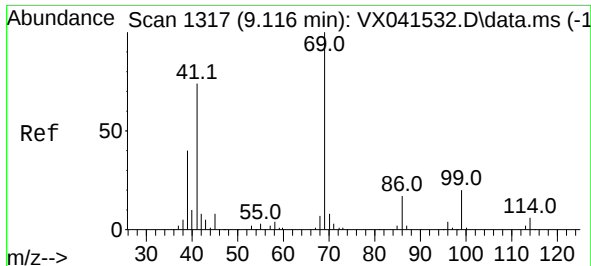
Tgt Ion:114 Resp: 147744  
Ion Ratio Lower Upper  
114 100  
63 19.6 15.4 23.0  
88 15.4 12.2 18.2



#41  
Bromodichloromethane  
Concen: 0.204 ug/l  
RT: 7.824 min Scan# 1105  
Delta R.T. 0.000 min  
Lab File: VX041574.D  
Acq: 16 May 2024 19:18

Tgt Ion: 83 Resp: 439  
Ion Ratio Lower Upper  
83 100  
85 68.6 51.0 76.4  
127 0.0 7.1 10.7#





#51

Ethyl methacrylate

Concen: 0.213 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.463 min

Lab File: VX041574.D

Acq: 16 May 2024 19:18

Instrument :

MSVOA\_X

ClientSampleId :

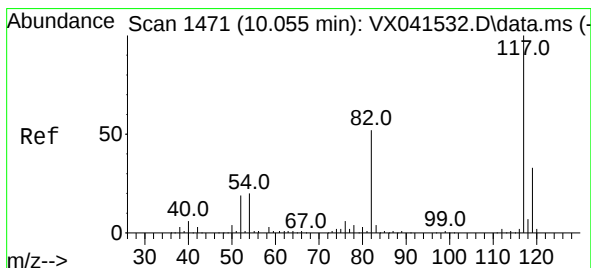
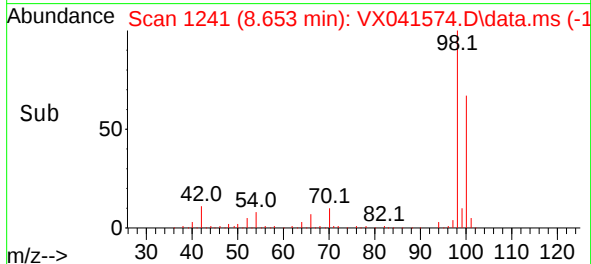
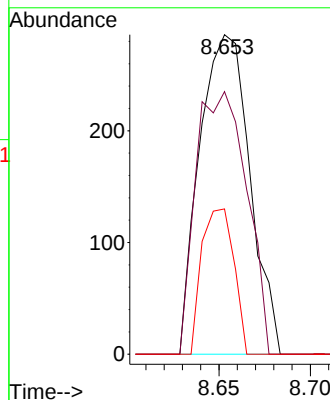
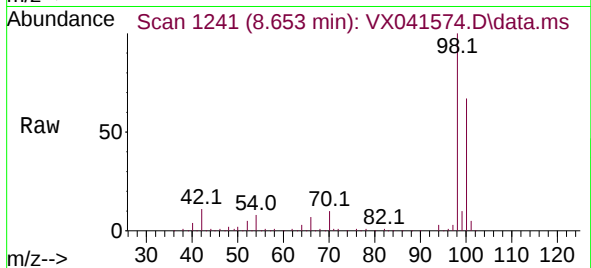
Tgt Ion: 69 Resp: 547

Ion Ratio Lower Upper

69 100

41 82.2 37.1 111.3

39 45.5 20.2 60.6



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX041574.D

Acq: 16 May 2024 19:18

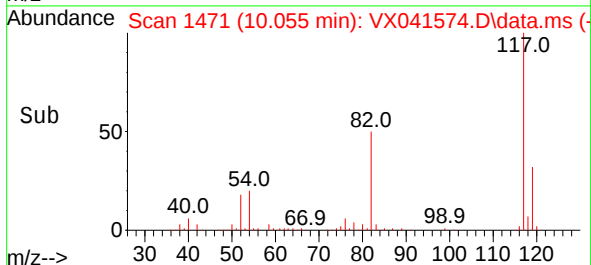
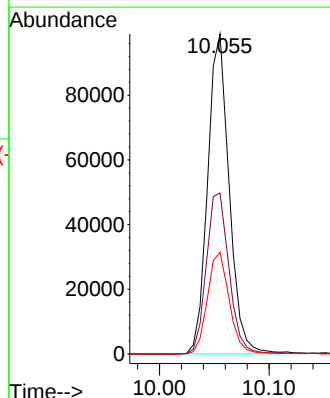
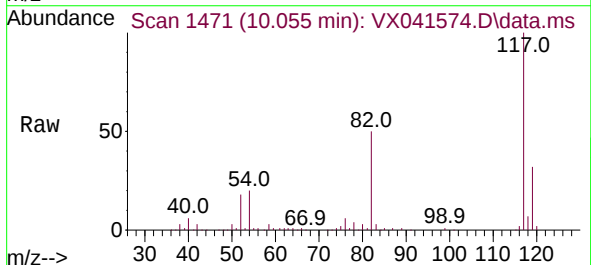
Tgt Ion:117 Resp: 134861

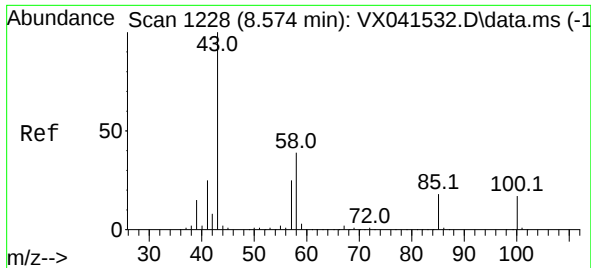
Ion Ratio Lower Upper

117 100

82 53.1 41.7 62.5

119 32.3 25.7 38.5

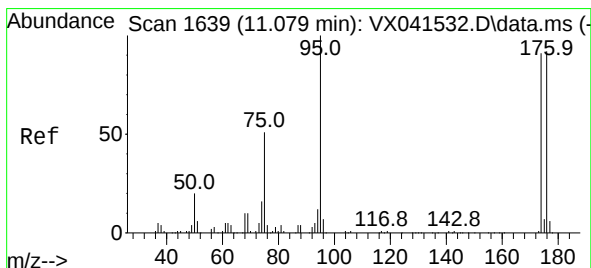
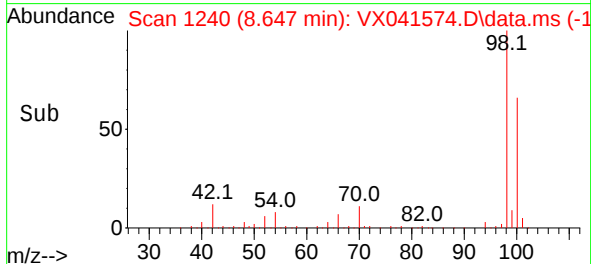
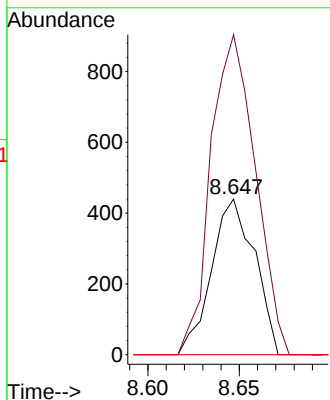
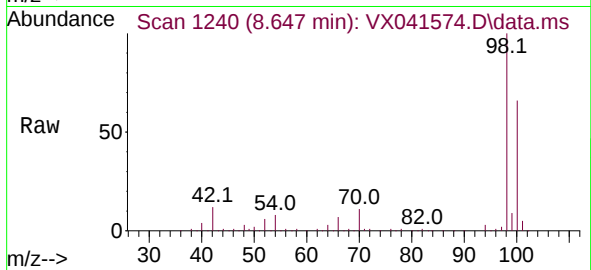




#58  
 4-Methyl-2-Pentanone  
 Concen: 0.294 ug/l  
 RT: 8.647 min Scan# 11  
 Delta R.T. 0.073 min  
 Lab File: VX041574.D  
 Acq: 16 May 2024 19:18

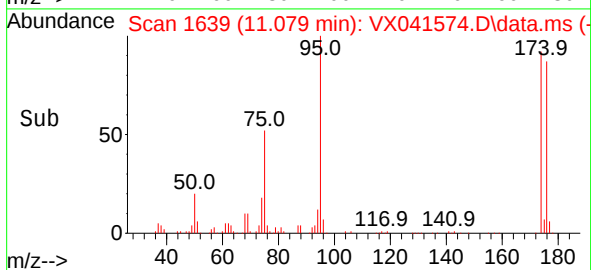
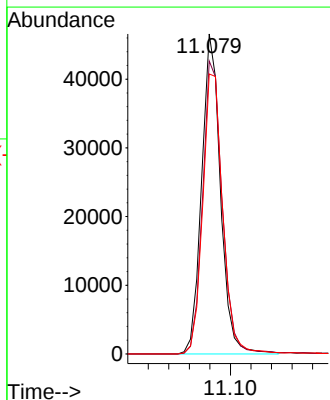
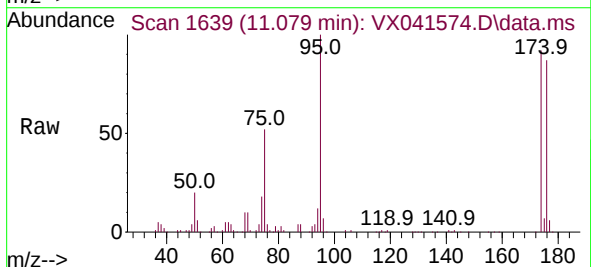
Instrument :  
 MSVOA\_X  
 ClientSampleId :

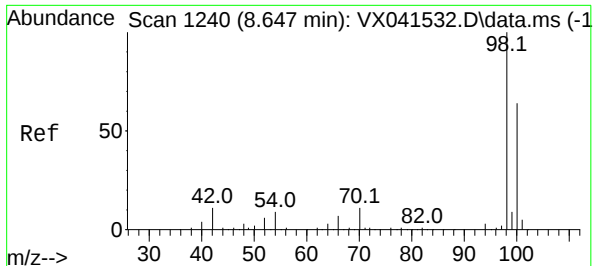
Tgt Ion: 43 Resp: 724  
 Ion Ratio Lower Upper  
 43 100  
 58 212.3 30.2 45.4#  
 85 0.0 14.6 21.8#



#60  
 4-Bromofluorobenzene  
 Concen: 28.209 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. 0.000 min  
 Lab File: VX041574.D  
 Acq: 16 May 2024 19:18

Tgt Ion: 95 Resp: 59387  
 Ion Ratio Lower Upper  
 95 100  
 174 95.4 76.6 115.0  
 176 92.9 75.4 113.0





#63

Toluene-d8

Concen: 29.810 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX041574.D

Acq: 16 May 2024 19:18

Instrument :

MSVOA\_X

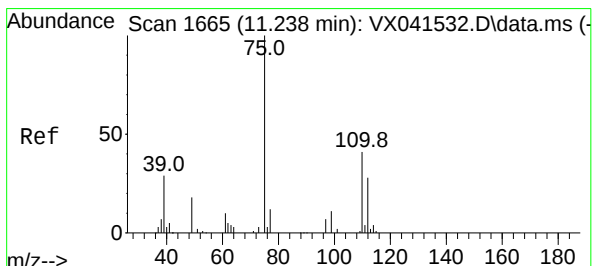
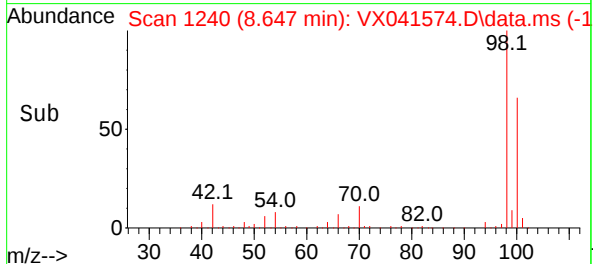
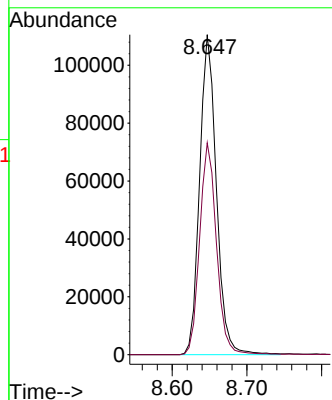
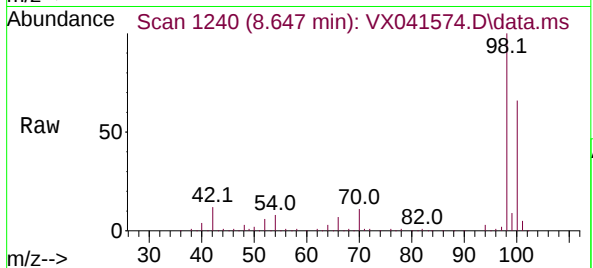
ClientSampleId :

Tgt Ion: 98 Resp: 172332

Ion Ratio Lower Upper

98 100

100 66.5 53.1 79.7



#72

1,2,3-Trichloropropane

Concen: 13.232 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041574.D

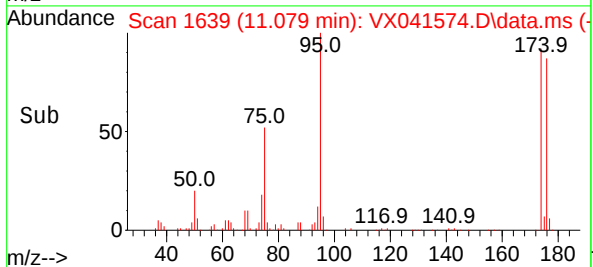
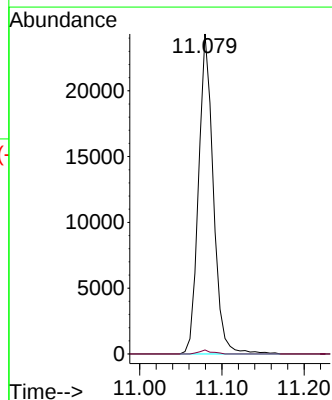
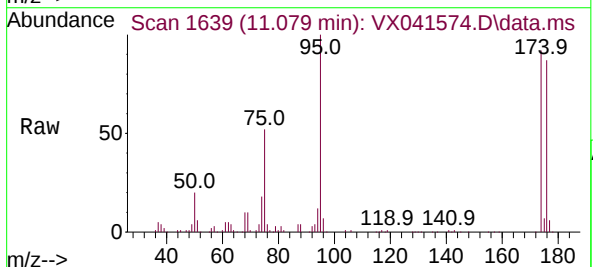
Acq: 16 May 2024 19:18

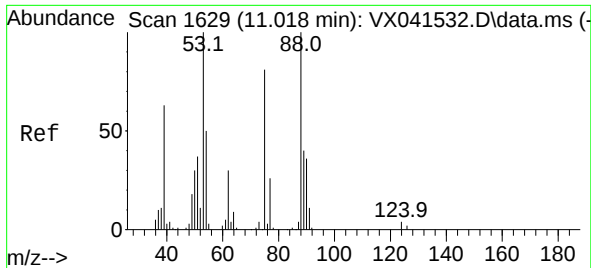
Tgt Ion: 75 Resp: 30383

Ion Ratio Lower Upper

75 100

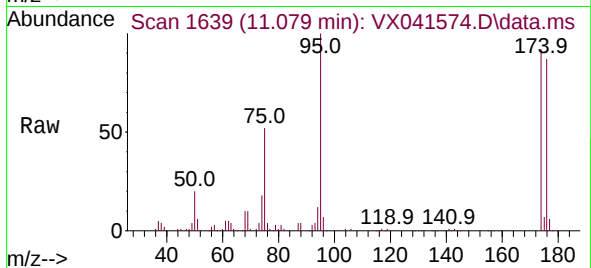
77 1.0 0.0 78.8





#77  
 t-1,4-Dichloro-2-butene  
 Concen: 42.099 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX041574.D  
 Acq: 16 May 2024 19:18

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 30383  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 61.8 185.3#  
 89 0.0 24.9 74.7#

