

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042622\  
 Data File : VX028349.D  
 Acq On : 26 Apr 2022 15:03  
 Operator : JC/MD  
 Sample : N2548-01ME  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MH-8S

Quant Time: Apr 27 02:04:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041922W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 19 13:38:04 2022  
 Response via : Initial Calibration

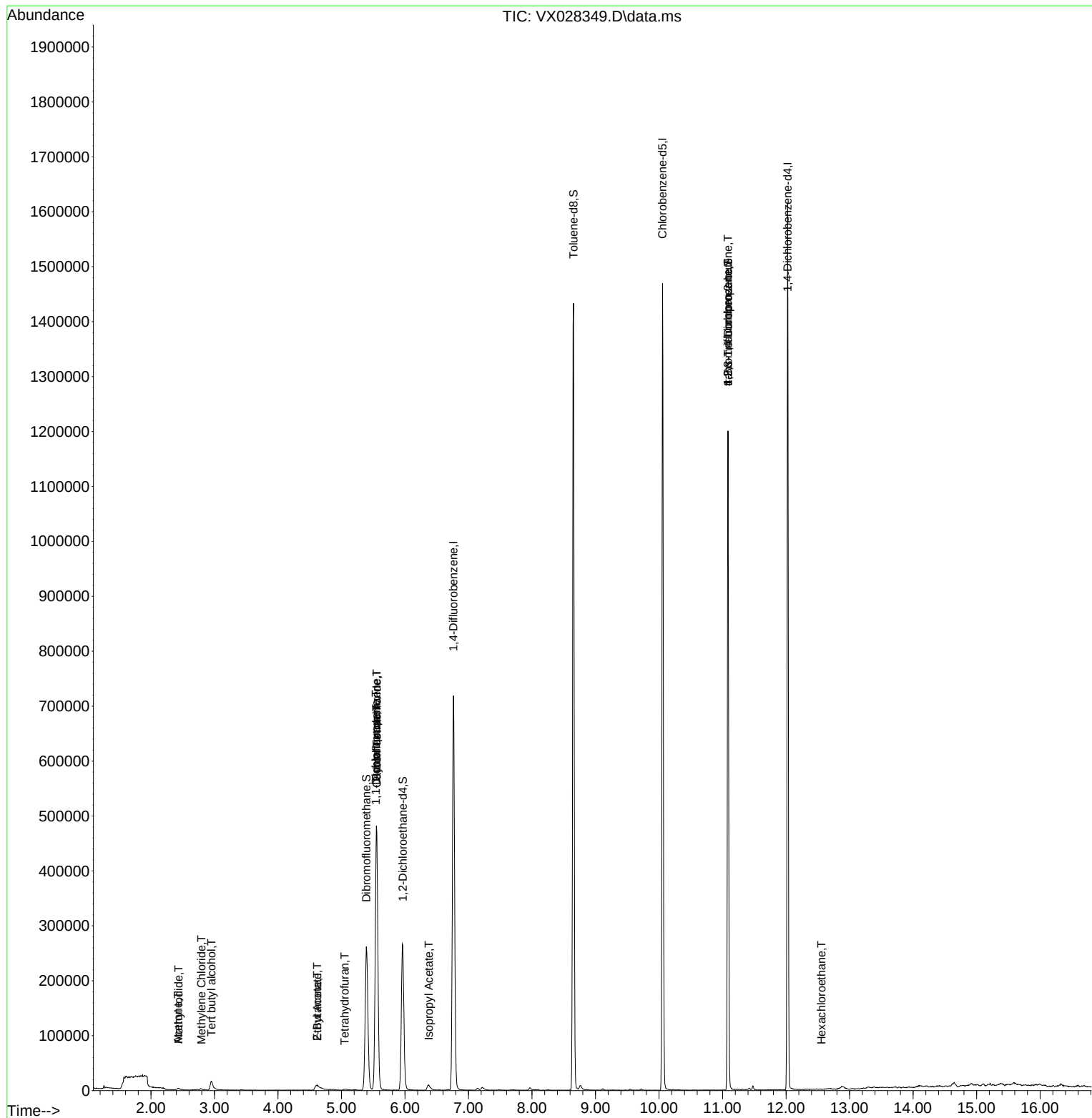
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.549  | 168   | 491727   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 793900   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 717427   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 350910   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65    | 264014   | 41.178    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | =      | 82.360%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 234999   | 42.209    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | =      | 84.420%  |
| 50) Toluene-d8                | 8.652  | 98    | 907262   | 42.427    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | =      | 84.860%  |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 322601   | 39.456    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | =      | 78.920%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 1.294  | 50    | 552      | Below Cal | #      | 80       |
| 5) Bromomethane               | 1.605  | 94    | 2409     | Below Cal |        | 86       |
| 6) Chloroethane               | 1.648  | 64    | 240      | Below Cal | #      | 88       |
| 8) Diethyl Ether              | 2.129  | 74    | 29       | Below Cal | #      | 1        |
| 10) Methyl Iodide             | 2.434  | 142   | 1489     | 5.479     | ug/l # | 90       |
| 11) Tert butyl alcohol        | 2.952  | 59    | 13146    | 0.804     | ug/l # | 74       |
| 16) Acetone                   | 2.428  | 43    | 4156     | 0.730     | ug/l # | 83       |
| 20) Methylene Chloride        | 2.794  | 84    | 1223     | 0.257     | ug/l # | 63       |
| 25) 2-Butanone                | 4.617  | 43    | 31403    | 8.270     | ug/l   | 98       |
| 29) Tetrahydrofuran           | 5.049  | 42    | 1248     | 0.504     | ug/l # | 43       |
| 31) Cyclohexane               | 5.549  | 56    | 8643     | 1.106     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.543  | 75    | 34200    | 4.709     | ug/l # | 49       |
| 37) Ethyl Acetate             | 4.617  | 43    | 31403    | 4.261     | ug/l # | 65       |
| 38) Carbon Tetrachloride      | 5.555  | 117   | 47506    | 5.795     | ug/l # | 15       |
| 43) Isopropyl Acetate         | 6.372  | 43    | 6264     | 0.522     | ug/l # | 57       |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75    | 157852   | 22.857    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75    | 157852   | 67.924    | ug/l # | 15       |
| 90) Hexachloroethane          | 12.554 | 117   | 25       | 1.820     | ug/l # | 1        |
| -----                         |        |       |          |           |        |          |

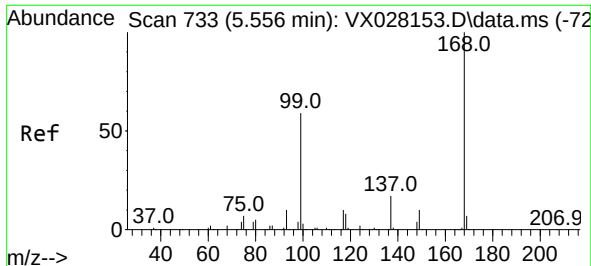
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042622\  
Data File : VX028349.D  
Acq On : 26 Apr 2022 15:03  
Operator : JC/MD  
Sample : N2548-01ME  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MH-8S

Quant Time: Apr 27 02:04:49 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041922W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 19 13:38:04 2022  
Response via : Initial Calibration

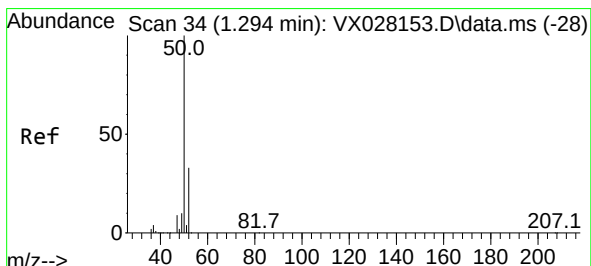
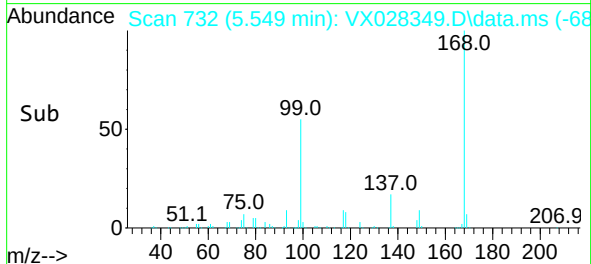
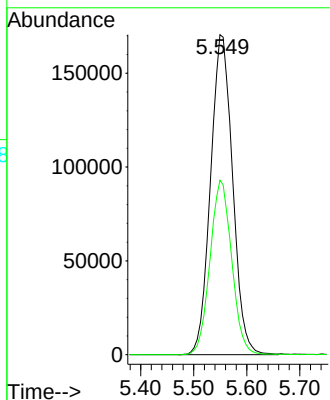
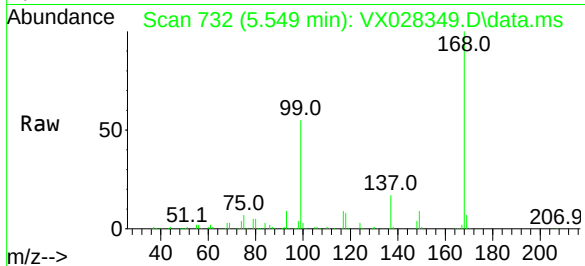




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.549 min Scan# 71  
Delta R.T. -0.007 min  
Lab File: VX028349.D  
Acq: 26 Apr 2022 15:03

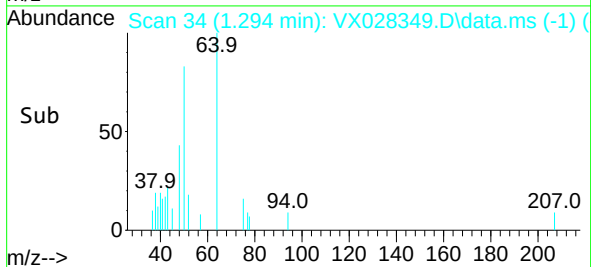
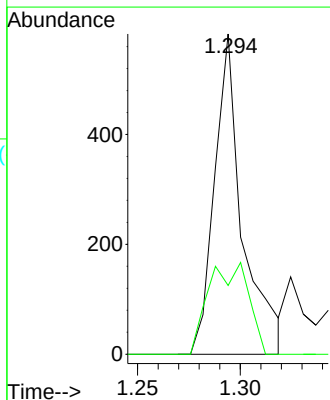
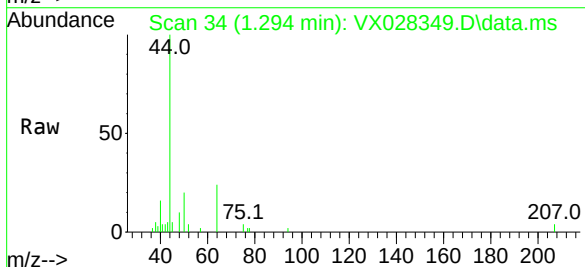
Instrument :  
MSVOA\_X  
ClientSampleId :  
MH-8S

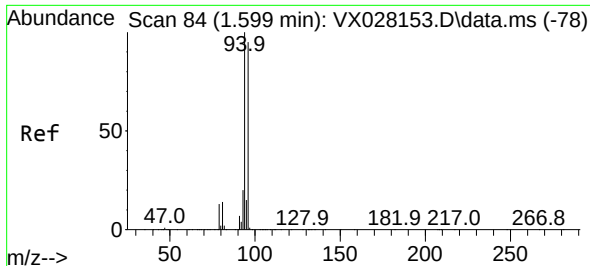
Tgt Ion:168 Resp: 491727  
Ion Ratio Lower Upper  
168 100  
99 54.5 41.7 62.5



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.294 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VX028349.D  
Acq: 26 Apr 2022 15:03

Tgt Ion: 50 Resp: 552  
Ion Ratio Lower Upper  
50 100  
52 21.4 26.4 39.6#

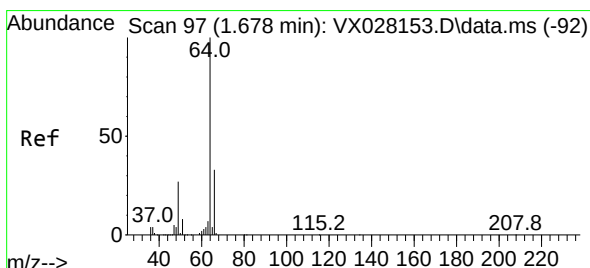
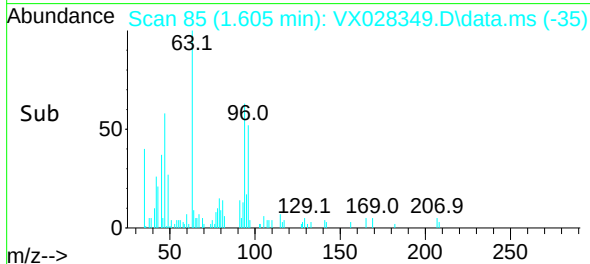
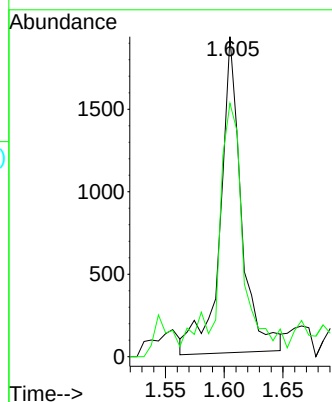
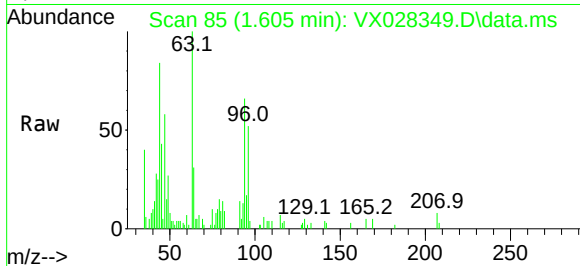




#5  
Bromomethane  
Concen: Below Cal  
RT: 1.605 min Scan# 84  
Delta R.T. 0.006 min  
Lab File: VX028349.D  
Acq: 26 Apr 2022 15:03

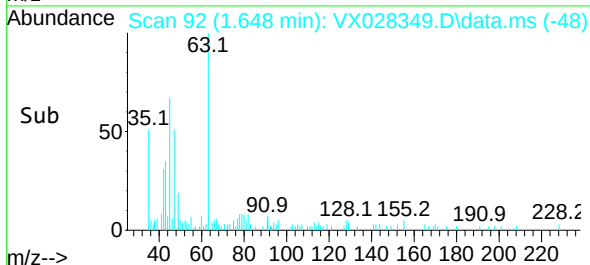
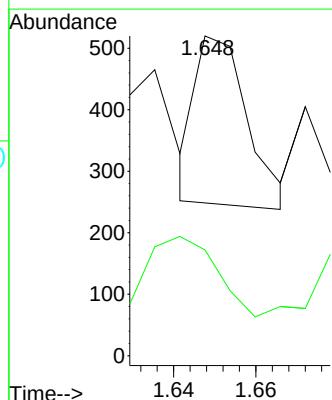
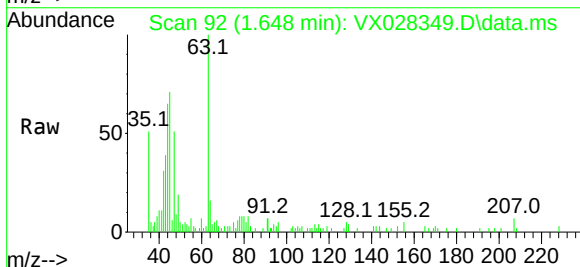
Instrument :  
MSVOA\_X  
ClientSampleId :  
MH-8S

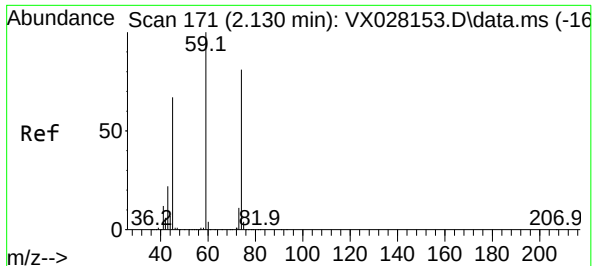
Tgt Ion: 94 Resp: 2409  
Ion Ratio Lower Upper  
94 100  
96 80.5 75.3 112.9



#6  
Chloroethane  
Concen: Below Cal  
RT: 1.648 min Scan# 92  
Delta R.T. -0.030 min  
Lab File: VX028349.D  
Acq: 26 Apr 2022 15:03

Tgt Ion: 64 Resp: 240  
Ion Ratio Lower Upper  
64 100  
66 38.5 25.3 37.9

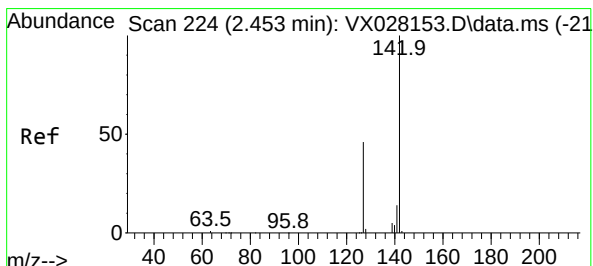
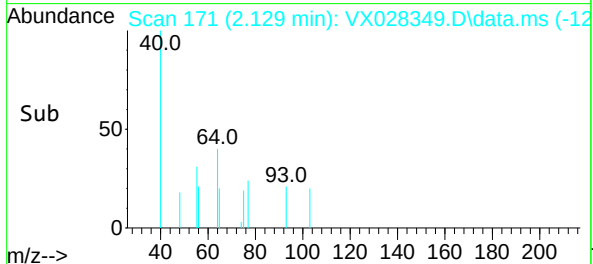
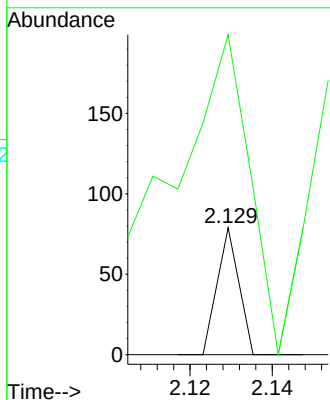
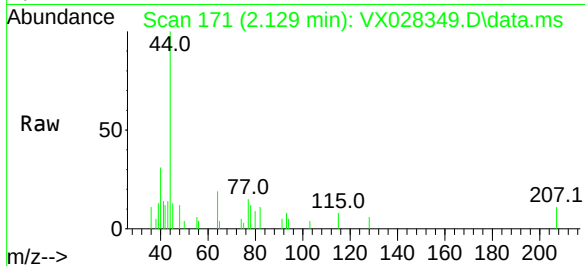




#8  
Diethyl Ether  
Concen: Below Cal  
RT: 2.129 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VX028349.D  
Acq: 26 Apr 2022 15:03

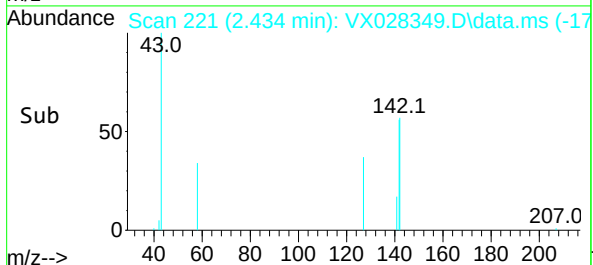
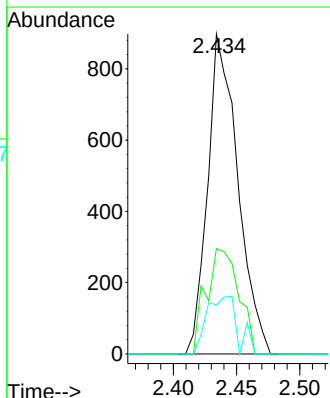
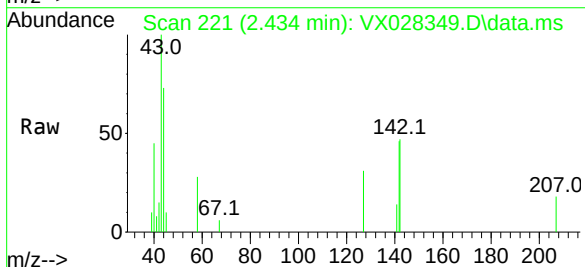
Instrument :  
MSVOA\_X  
ClientSampleId :  
MH-8S

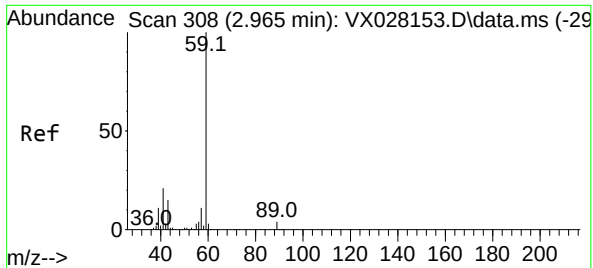
Tgt Ion: 74 Resp: 29  
Ion Ratio Lower Upper  
74 100  
45 834.5 42.0 126.0#



#10  
Methyl Iodide  
Concen: 5.479 ug/l  
RT: 2.434 min Scan# 221  
Delta R.T. -0.019 min  
Lab File: VX028349.D  
Acq: 26 Apr 2022 15:03

Tgt Ion: 142 Resp: 1489  
Ion Ratio Lower Upper  
142 100  
127 35.7 33.9 50.9  
141 18.3 11.4 17.2#





#11

Tert butyl alcohol

Concen: 0.804 ug/l

RT: 2.952 min Scan# 308

Delta R.T. -0.013 min

Lab File: VX028349.D

Acq: 26 Apr 2022 15:03

Instrument :

MSVOA\_X

ClientSampleId :

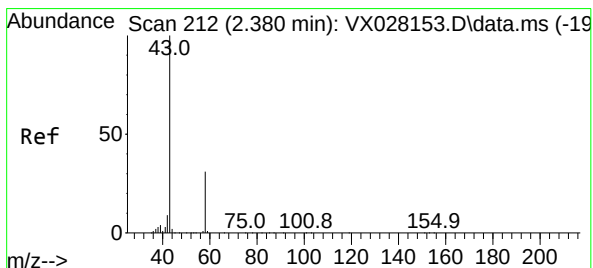
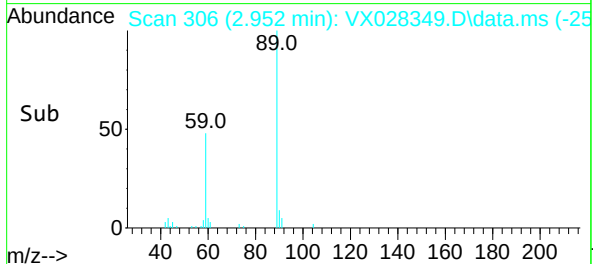
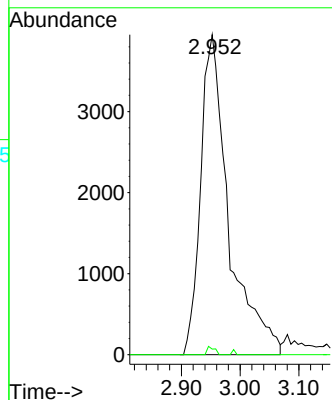
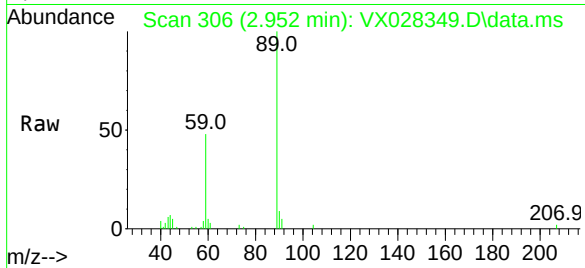
MH-8S

Tgt Ion: 59 Resp: 13146

Ion Ratio Lower Upper

59 100

57 0.7 8.3 12.5#



#16

Acetone

Concen: 0.730 ug/l

RT: 2.428 min Scan# 220

Delta R.T. 0.048 min

Lab File: VX028349.D

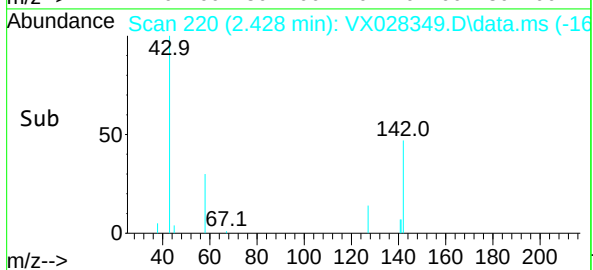
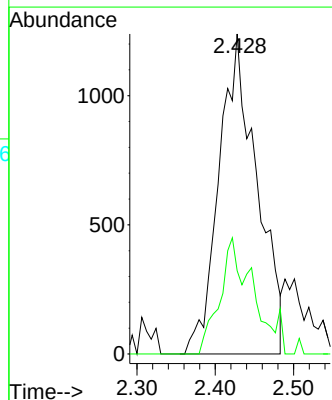
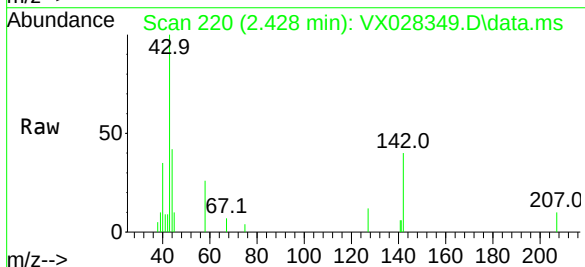
Acq: 26 Apr 2022 15:03

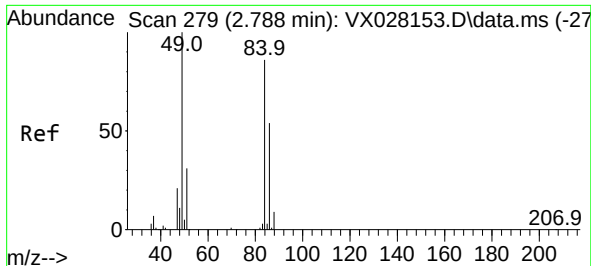
Tgt Ion: 43 Resp: 4156

Ion Ratio Lower Upper

43 100

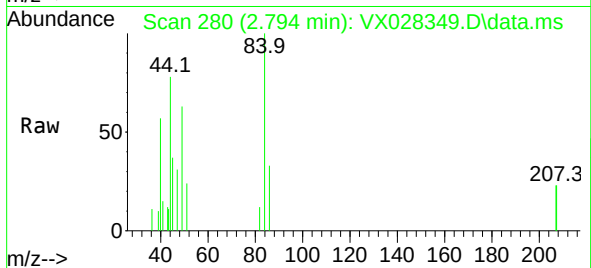
58 26.0 28.8 43.2#



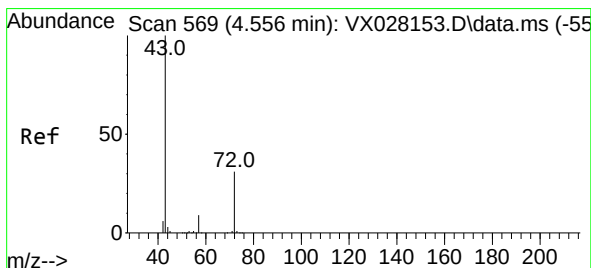
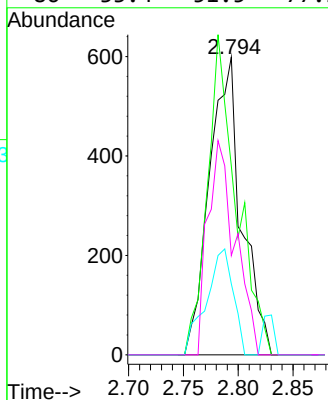
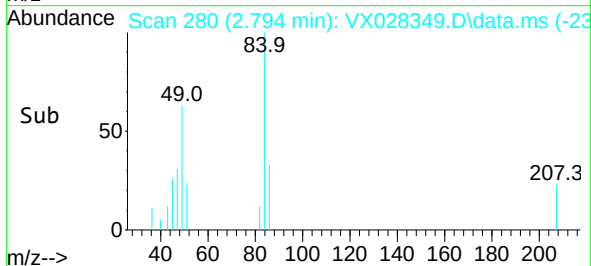


#20  
Methylene Chloride  
Concen: 0.257 ug/l  
RT: 2.794 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX028349.D  
Acq: 26 Apr 2022 15:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
MH-8S

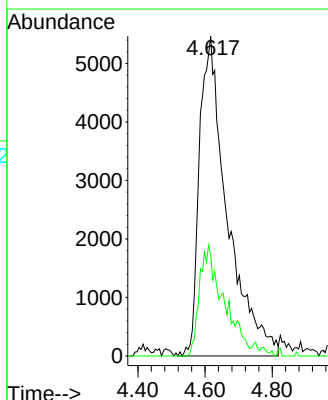
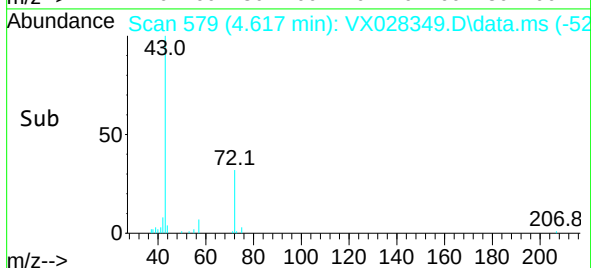
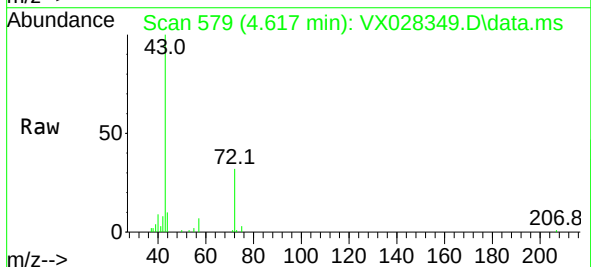


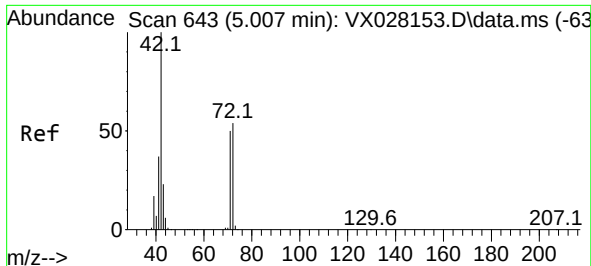
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 1223   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 63.4  | 85.5  | 128.3# |
| 51       | 23.9  | 26.6  | 39.8#  |
| 86       | 33.4  | 51.5  | 77.3#  |



#25  
2-Butanone  
Concen: 8.270 ug/l  
RT: 4.617 min Scan# 579  
Delta R.T. 0.061 min  
Lab File: VX028349.D  
Acq: 26 Apr 2022 15:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 31403 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 31.6  | 24.4  | 36.6  |





#29

Tetrahydrofuran

Concen: 0.504 ug/l

RT: 5.049 min Scan# 61

Delta R.T. 0.042 min

Lab File: VX028349.D

Acq: 26 Apr 2022 15:03

Instrument :

MSVOA\_X

ClientSampleId :

MH-8S

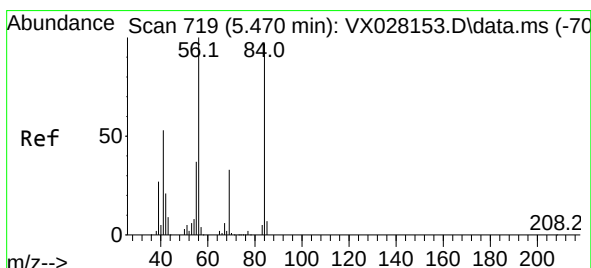
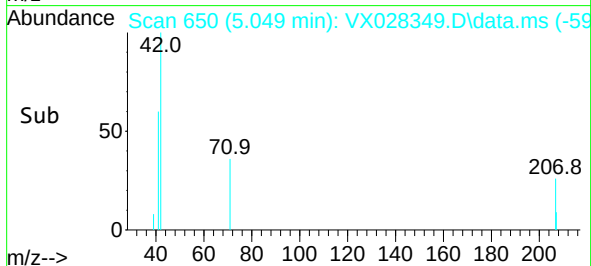
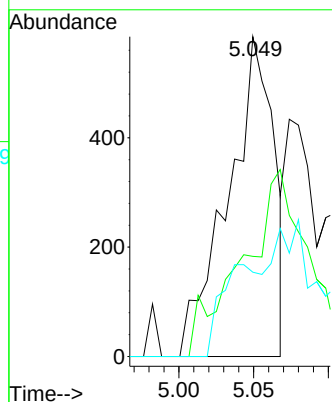
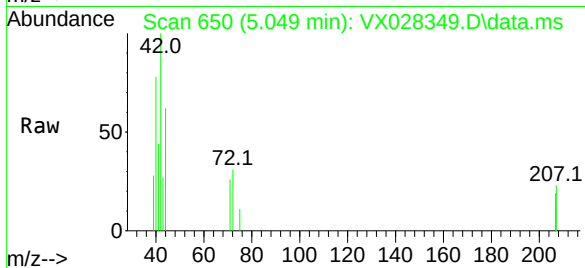
Tgt Ion: 42 Resp: 1248

Ion Ratio Lower Upper

42 100

72 0.0 44.1 66.1#

71 25.5 40.5 60.7#



#31

Cyclohexane

Concen: 1.106 ug/l

RT: 5.549 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX028349.D

Acq: 26 Apr 2022 15:03

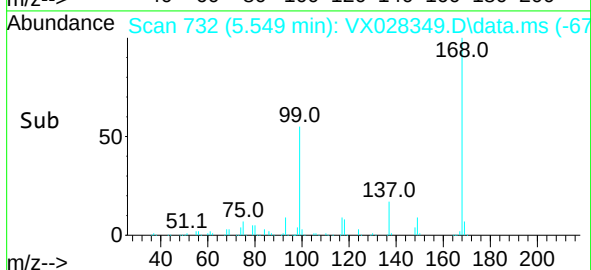
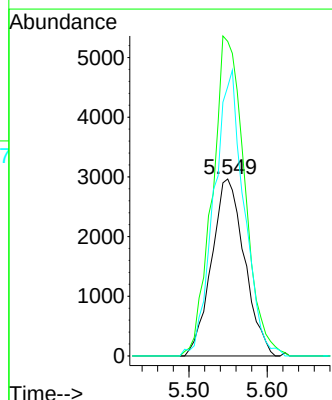
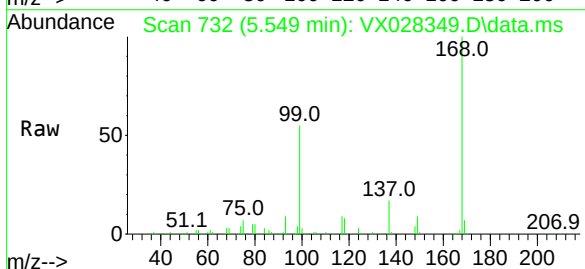
Tgt Ion: 56 Resp: 8643

Ion Ratio Lower Upper

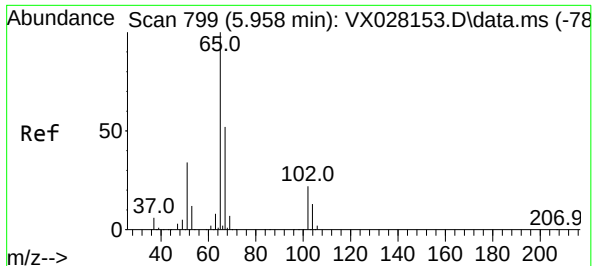
56 100

69 177.7 26.7 40.1#

84 152.1 77.2 115.8#







#33

1,2-Dichloroethane-d4

Concen: 41.178 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX028349.D

Acq: 26 Apr 2022 15:03

Instrument :

MSVOA\_X

ClientSampleId :

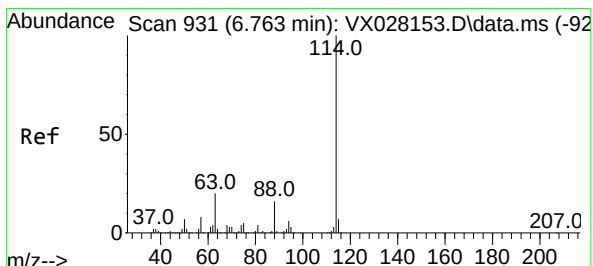
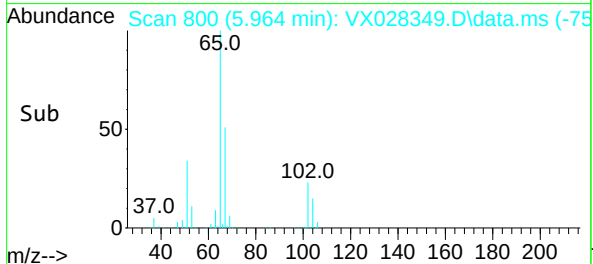
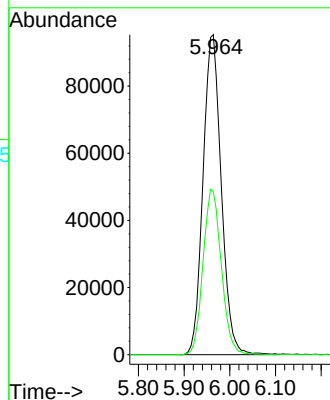
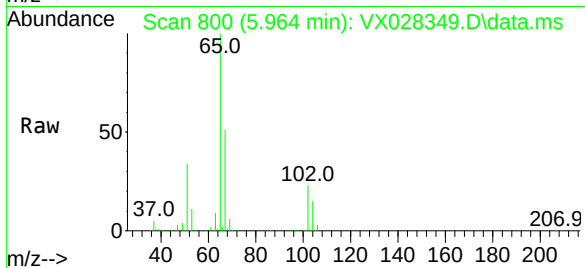
MH-8S

Tgt Ion: 65 Resp: 264014

Ion Ratio Lower Upper

65 100

67 51.8 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: VX028349.D

Acq: 26 Apr 2022 15:03

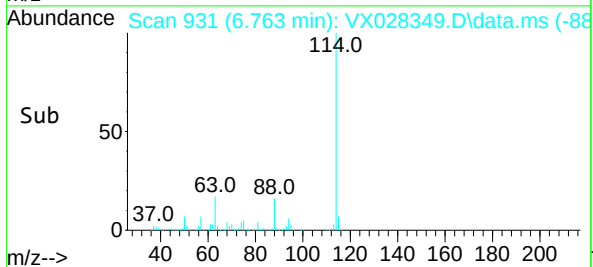
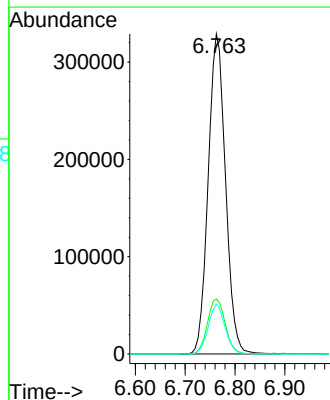
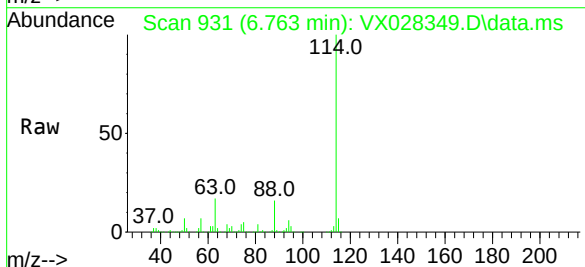
Tgt Ion: 114 Resp: 793900

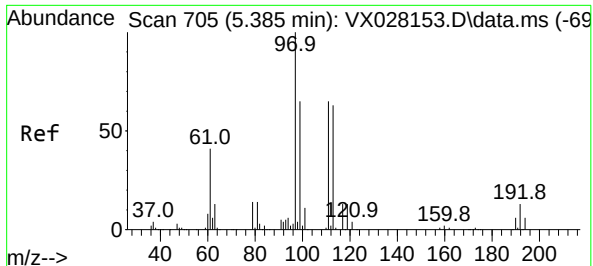
Ion Ratio Lower Upper

114 100

63 17.2 0.0 36.8

88 15.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 42.209 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028349.D

Acq: 26 Apr 2022 15:03

Instrument :

MSVOA\_X

ClientSampleId :

MH-8S

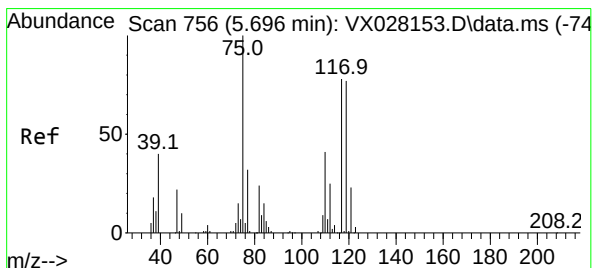
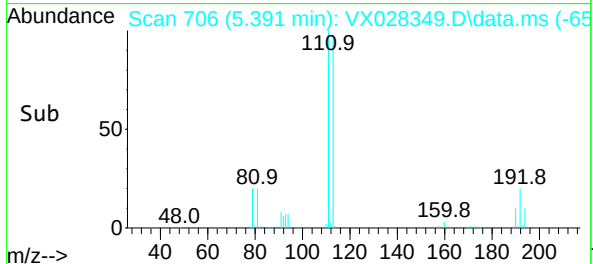
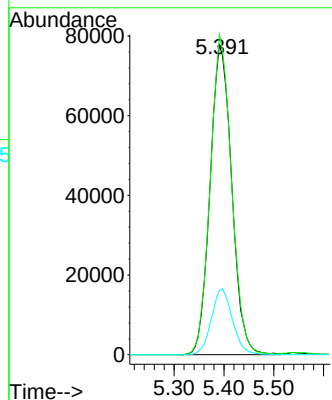
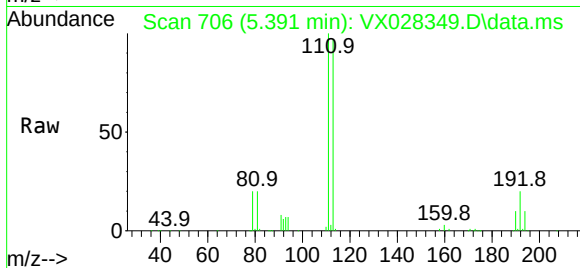
Tgt Ion:113 Resp: 234999

Ion Ratio Lower Upper

113 100

111 101.2 82.8 124.2

192 20.7 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.709 ug/l

RT: 5.543 min Scan# 731

Delta R.T. -0.153 min

Lab File: VX028349.D

Acq: 26 Apr 2022 15:03

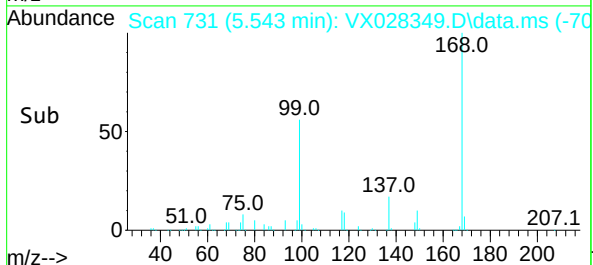
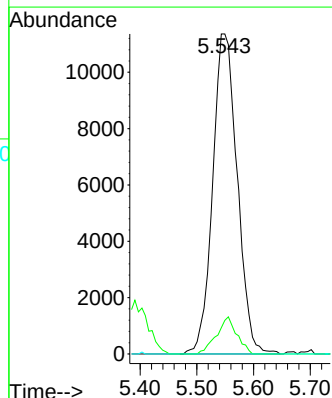
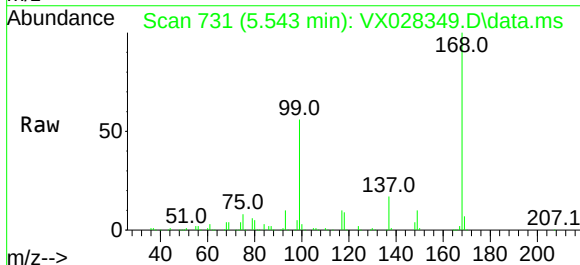
Tgt Ion: 75 Resp: 34200

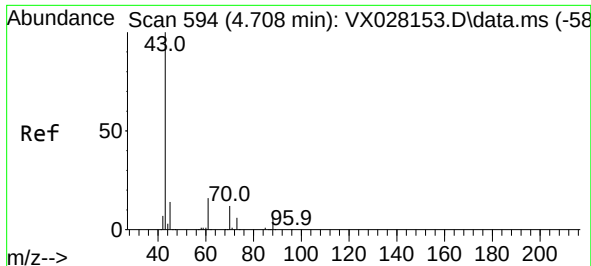
Ion Ratio Lower Upper

75 100

110 9.5 18.3 54.8#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 4.261 ug/l

RT: 4.617 min Scan# 51

Delta R.T. -0.091 min

Lab File: VX028349.D

Acq: 26 Apr 2022 15:03

Instrument :

MSVOA\_X

ClientSampleId :

MH-8S

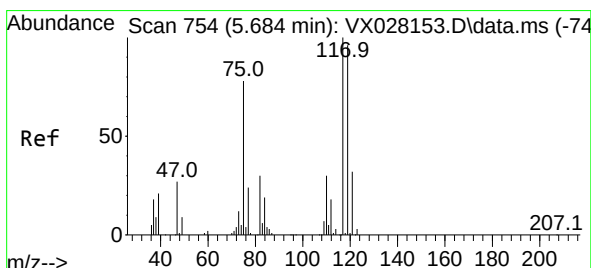
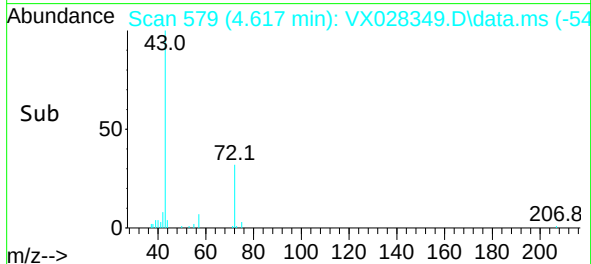
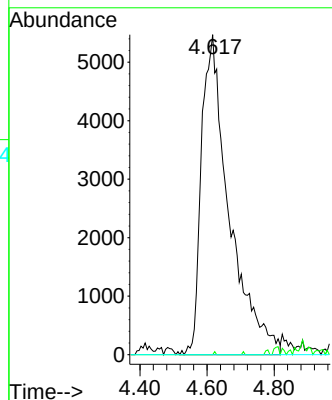
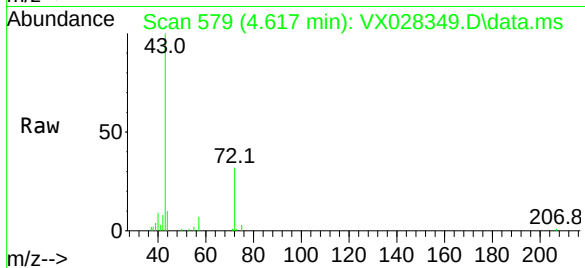
Tgt Ion: 43 Resp: 31403

Ion Ratio Lower Upper

43 100

61 0.1 12.6 19.0#

70 0.0 10.2 15.2#



#38

Carbon Tetrachloride

Concen: 5.795 ug/l

RT: 5.555 min Scan# 733

Delta R.T. -0.129 min

Lab File: VX028349.D

Acq: 26 Apr 2022 15:03

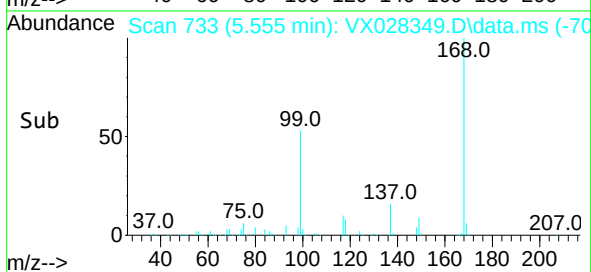
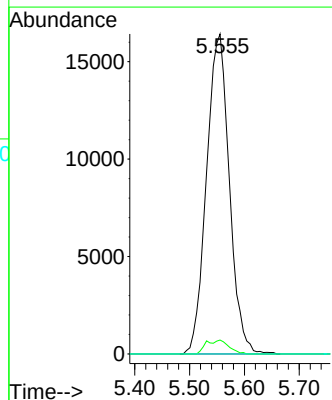
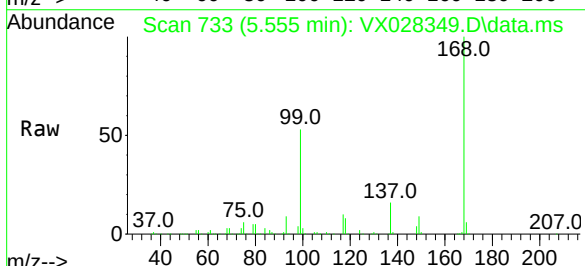
Tgt Ion: 117 Resp: 47506

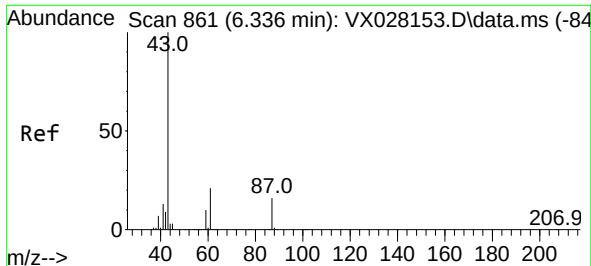
Ion Ratio Lower Upper

117 100

119 4.3 77.3 115.9#

121 0.0 24.2 36.2#

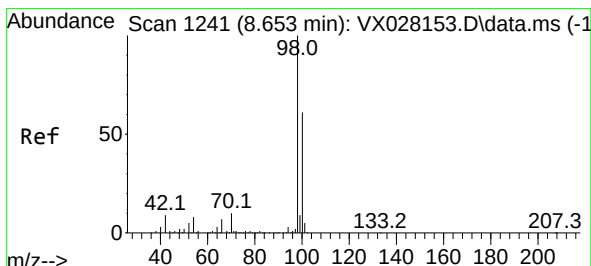
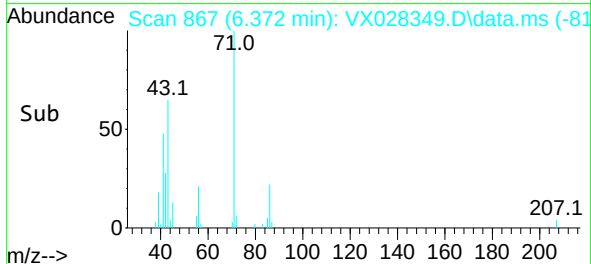
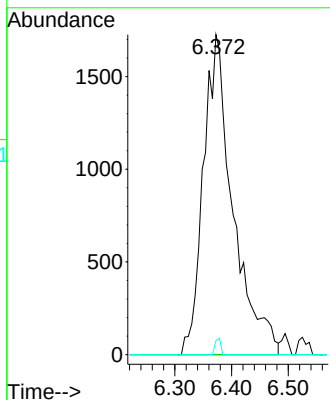
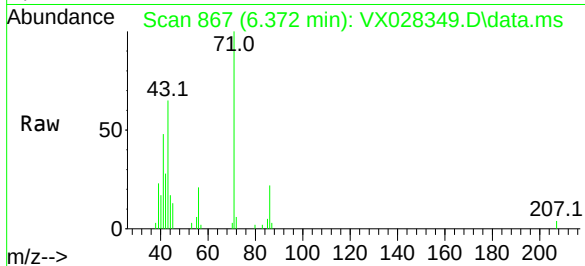




#43  
Isopropyl Acetate  
Concen: 0.522 ug/l  
RT: 6.372 min Scan# 867  
Delta R.T. 0.036 min  
Lab File: VX028349.D  
Acq: 26 Apr 2022 15:03

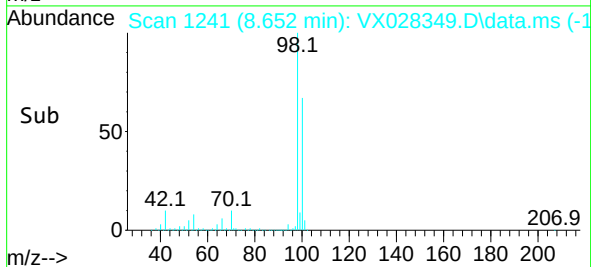
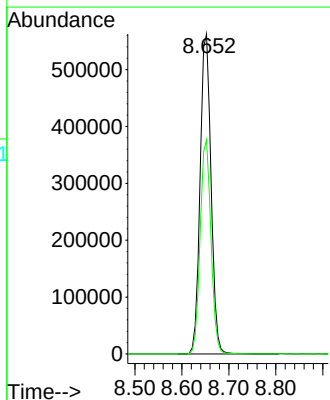
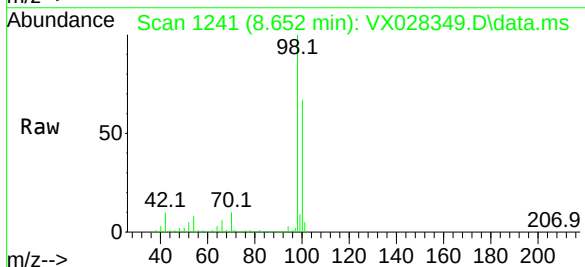
Instrument :  
MSVOA\_X  
ClientSampleId :  
MH-8S

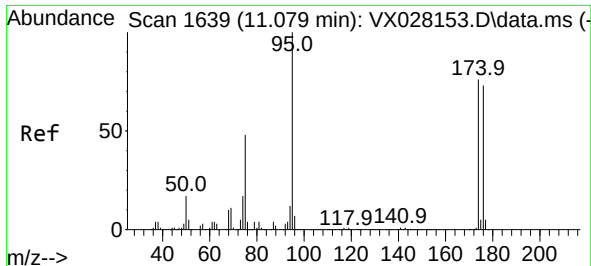
Tgt Ion: 43 Resp: 6264  
Ion Ratio Lower Upper  
43 100  
61 0.0 18.5 27.7#  
87 1.0 13.0 19.6#



#50  
Toluene-d8  
Concen: 42.427 ug/l  
RT: 8.652 min Scan# 1241  
Delta R.T. -0.001 min  
Lab File: VX028349.D  
Acq: 26 Apr 2022 15:03

Tgt Ion: 98 Resp: 907262  
Ion Ratio Lower Upper  
98 100  
100 66.3 52.6 78.8

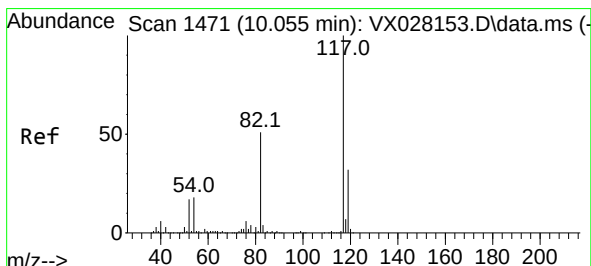
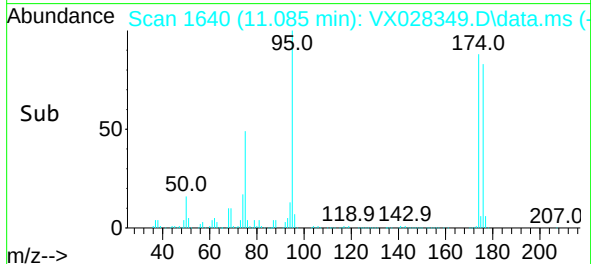
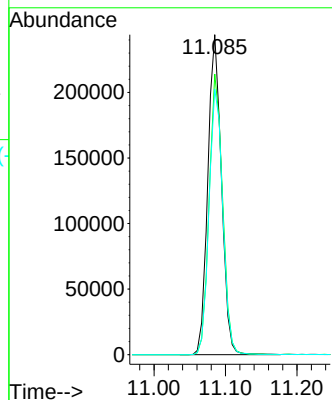
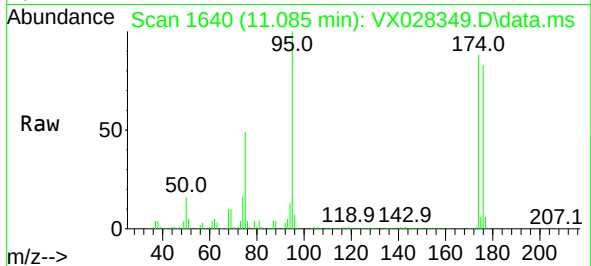




#62  
4-Bromofluorobenzene  
Concen: 39.456 ug/l  
RT: 11.085 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX028349.D  
Acq: 26 Apr 2022 15:03

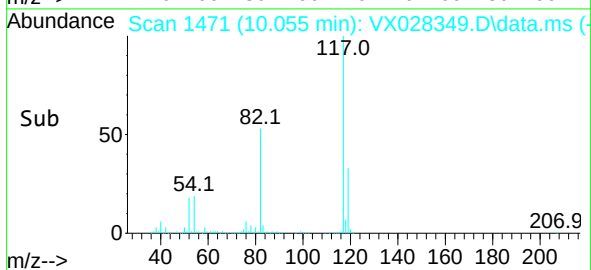
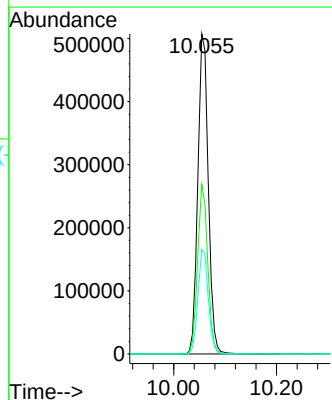
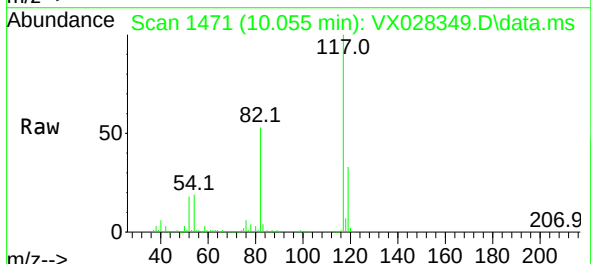
Instrument :  
MSVOA\_X  
ClientSampleId :  
MH-8S

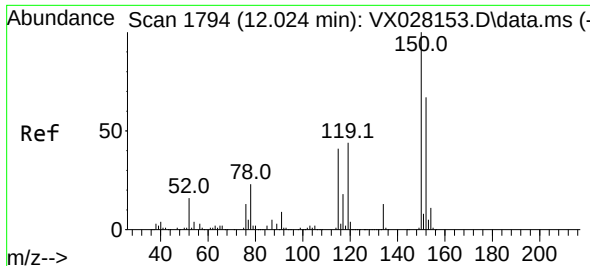
Tgt Ion: 95 Resp: 322601  
Ion Ratio Lower Upper  
95 100  
174 86.9 0.0 163.0  
176 84.2 0.0 155.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX028349.D  
Acq: 26 Apr 2022 15:03

Tgt Ion: 117 Resp: 717427  
Ion Ratio Lower Upper  
117 100  
82 52.9 41.8 62.8  
119 32.6 24.8 37.2

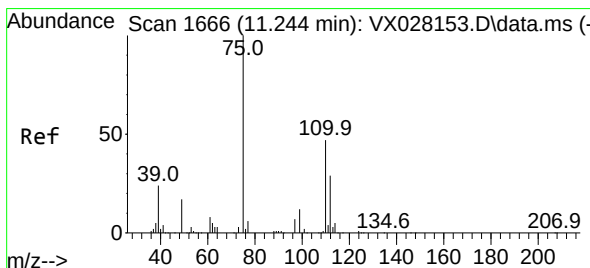
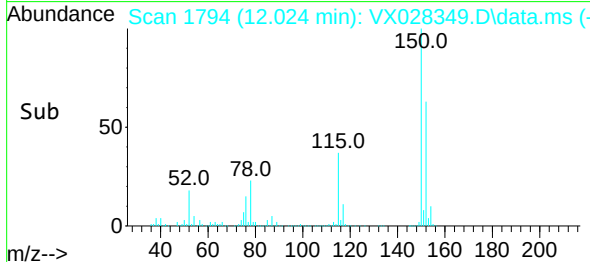
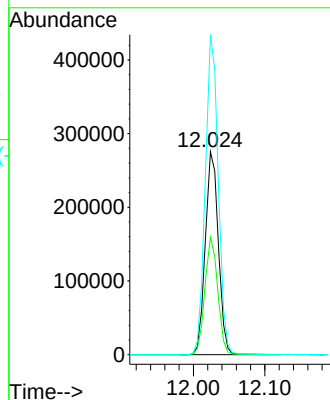
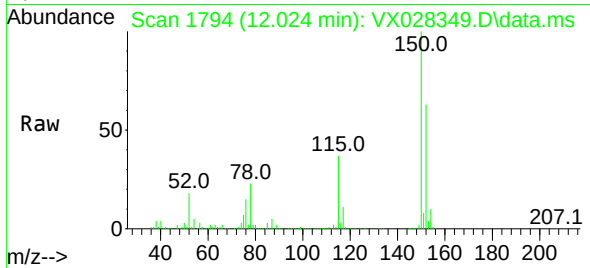




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX028349.D  
Acq: 26 Apr 2022 15:03

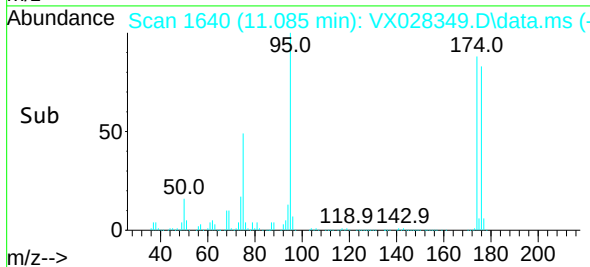
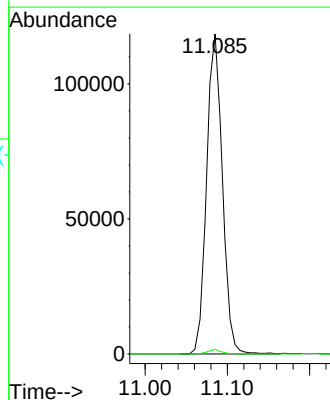
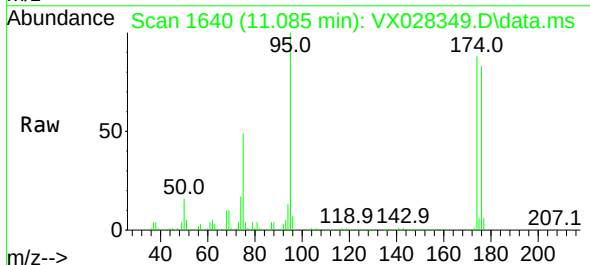
Instrument :  
MSVOA\_X  
ClientSampleId :  
MH-8S

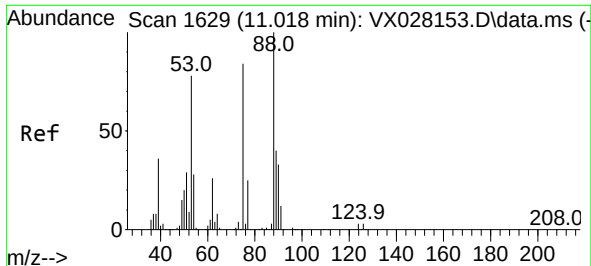
Tgt Ion:152 Resp: 350910  
Ion Ratio Lower Upper  
152 100  
115 56.8 37.5 112.7  
150 156.1 0.0 338.2



#76  
1,2,3-Trichloropropane  
Concen: 22.857 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX028349.D  
Acq: 26 Apr 2022 15:03

Tgt Ion: 75 Resp: 157852  
Ion Ratio Lower Upper  
75 100  
77 1.2 19.4 58.2#

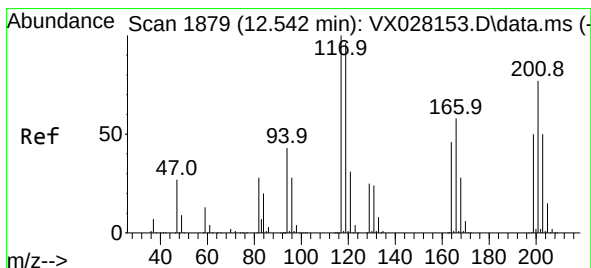
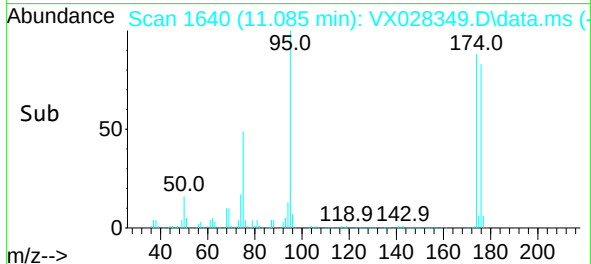
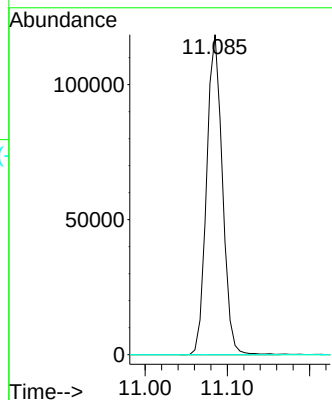
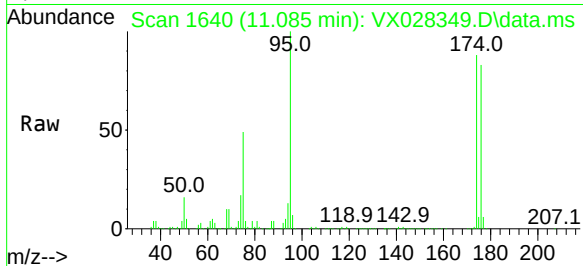




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 67.924 ug/l  
 RT: 11.085 min Scan# 1  
 Delta R.T. 0.067 min  
 Lab File: VX028349.D  
 Acq: 26 Apr 2022 15:03

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MH-8S

Tgt Ion: 75 Resp: 157852  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 69.0 103.4#  
 89 0.0 37.0 55.6#



#90  
 Hexachloroethane  
 Concen: 1.820 ug/l  
 RT: 12.554 min Scan# 1881  
 Delta R.T. 0.012 min  
 Lab File: VX028349.D  
 Acq: 26 Apr 2022 15:03

Tgt Ion: 117 Resp: 25  
 Ion Ratio Lower Upper  
 117 100  
 201 536.0 39.5 118.5#

