

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD050222\  
 Data File : VD072749.D  
 Acq On : 02 May 2022 16:40  
 Operator : VA/SY  
 Sample : VD0502SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0502SBL01

Quant Time: May 03 08:35:25 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050222S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 03 08:33:49 2022  
 Response via : Initial Calibration

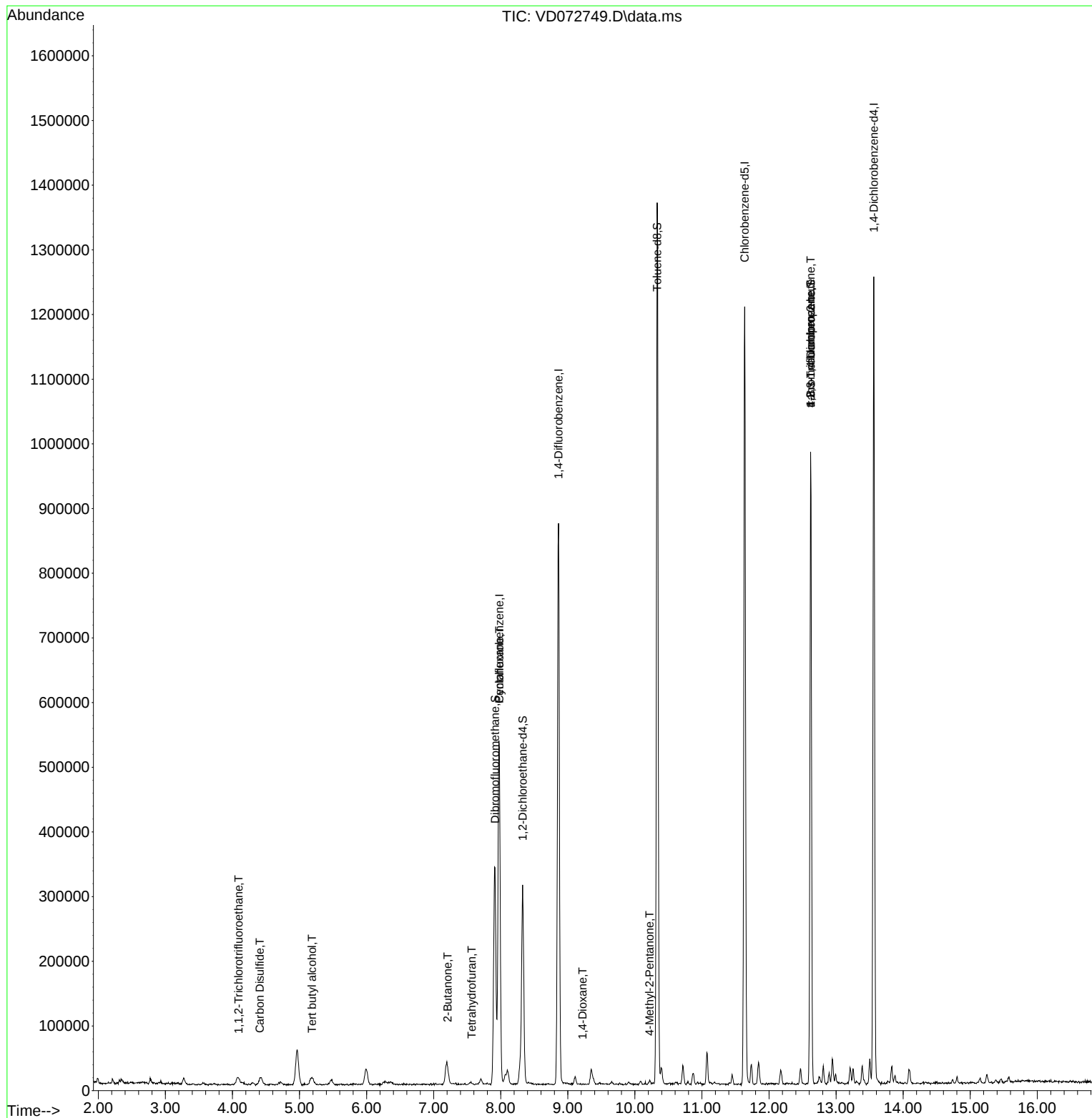
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.979          | 168  | 388568     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861          | 114  | 733746     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.638         | 117  | 700649     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561         | 152  | 312384     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.326          | 65   | 230673     | 45.733    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 91.460%   |        |          |
| 35) Dibromofluoromethane      | 7.914          | 113  | 244316     | 47.411    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 94.820%   |        |          |
| 50) Toluene-d8                | 10.332         | 98   | 904489     | 48.931    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = | 97.860%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.620         | 95   | 316243     | 45.882    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = | 91.760%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      | Qvalue     |           |        |          |
| 9) 1,1,2-Trichlorotrifluo...  | 4.091          | 101  | 5361       | 1.029     | ug/l   | 89       |
| 11) Tert butyl alcohol        | 5.185          | 59   | 11896      | 27.259    | ug/l # | 74       |
| 13) Acrolein                  | 3.903          | 56   | 184        | Below Cal | #      | 14       |
| 16) Acetone                   | 4.162          | 43   | 5746       | Below Cal | #      | 85       |
| 17) Carbon Disulfide          | 4.409          | 76   | 16536      | 1.122     | ug/l   | 98       |
| 18) Methyl Acetate            | 4.720          | 43   | 335        | Below Cal | #      | 55       |
| 25) 2-Butanone                | 7.209          | 43   | 3143       | 2.139     | ug/l   | 91       |
| 29) Tetrahydrofuran           | 7.567          | 42   | 1264       | 1.349     | ug/l # | 63       |
| 31) Cyclohexane               | 7.979          | 56   | 16313      | 1.850     | ug/l # | 36       |
| 49) 1,4-Dioxane               | 9.220          | 88   | 55         | 1.393     | ug/l # | 21       |
| 51) 4-Methyl-2-Pentanone      | 10.220         | 43   | 4162       | 1.127     | ug/l # | 76       |
| 76) 1,2,3-Trichloropropane    | 12.620         | 75   | 163043     | 46.807    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.620         | 75   | 163043     | 107.638   | ug/l # | 7        |
| -----                         |                |      |            |           |        |          |

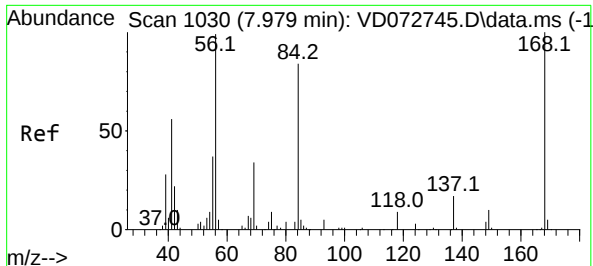
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD050222\  
Data File : VD072749.D  
Acq On : 02 May 2022 16:40  
Operator : VA/SY  
Sample : VD0502SBL01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBL01

Quant Time: May 03 08:35:25 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050222S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 03 08:33:49 2022  
Response via : Initial Calibration

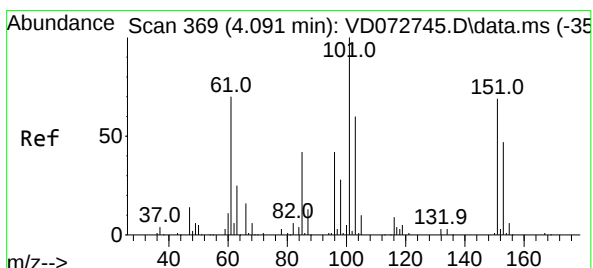
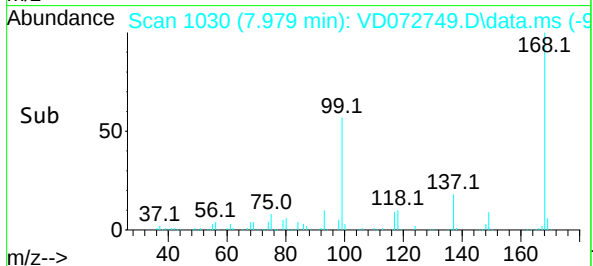
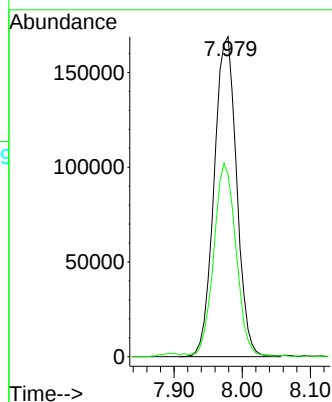
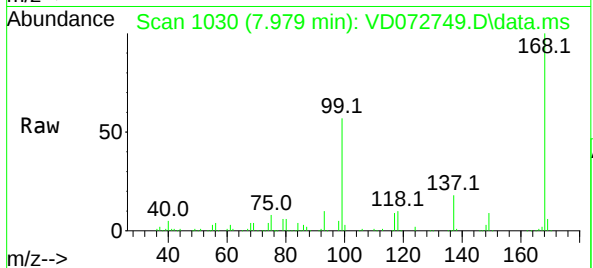




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD072749.D  
Acq: 02 May 2022 16:40

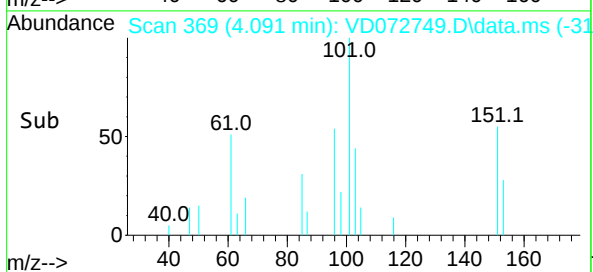
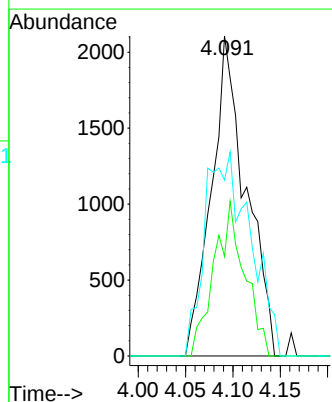
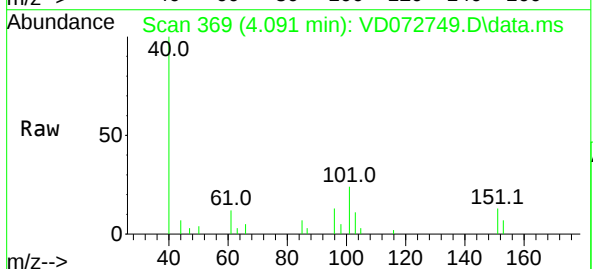
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBL01

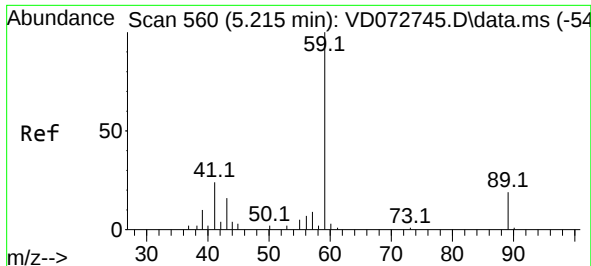
Tgt Ion:168 Resp: 388568  
Ion Ratio Lower Upper  
168 100  
99 56.7 49.8 74.6



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 1.029 ug/l  
RT: 4.091 min Scan# 369  
Delta R.T. 0.000 min  
Lab File: VD072749.D  
Acq: 02 May 2022 16:40

Tgt Ion:101 Resp: 5361  
Ion Ratio Lower Upper  
101 100  
85 42.6 36.4 54.6  
151 83.5 57.3 85.9





#11

Tert butyl alcohol

Concen: 27.259 ug/l

RT: 5.185 min Scan# 51

Delta R.T. -0.030 min

Lab File: VD072749.D

Acq: 02 May 2022 16:40

Instrument :

MSVOA\_D

ClientSampleId :

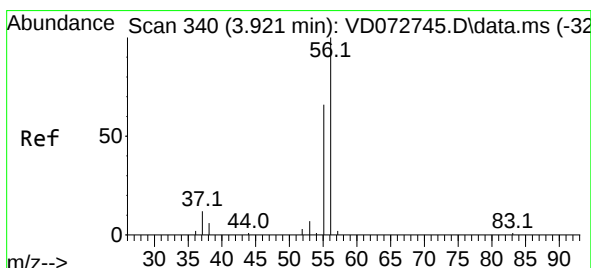
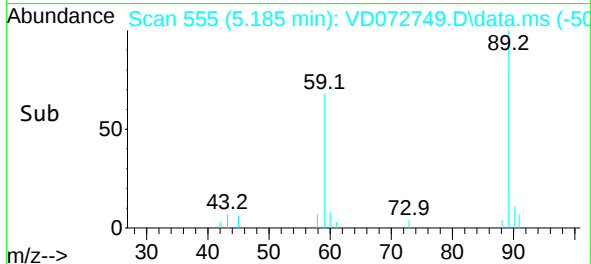
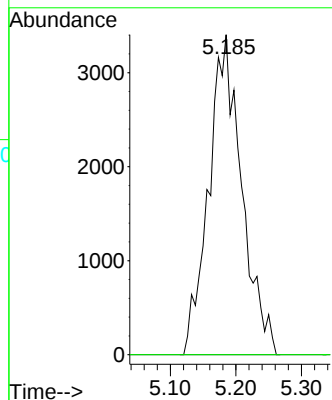
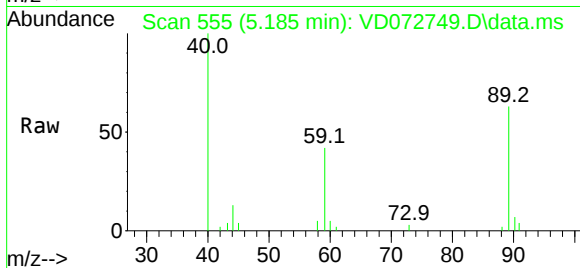
VD0502SBL01

Tgt Ion: 59 Resp: 11896

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#13

Acrolein

Concen: Below Cal

RT: 3.903 min Scan# 337

Delta R.T. -0.018 min

Lab File: VD072749.D

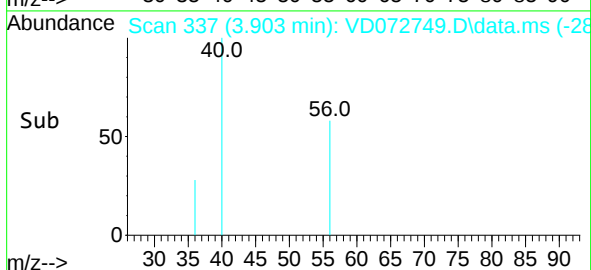
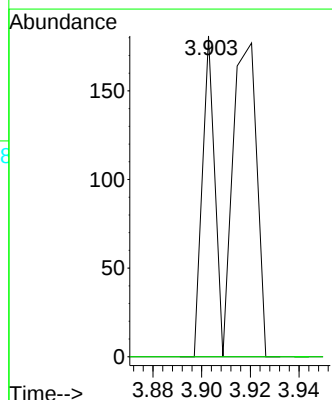
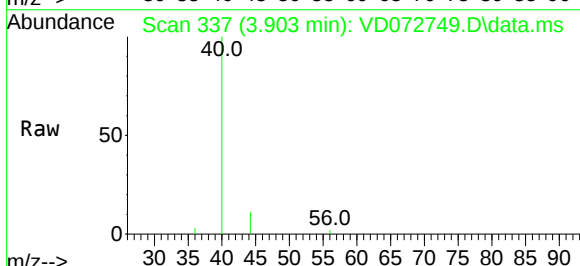
Acq: 02 May 2022 16:40

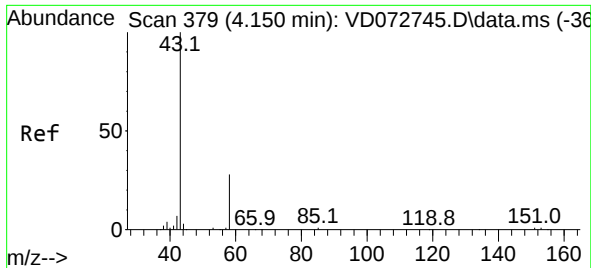
Tgt Ion: 56 Resp: 184

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#

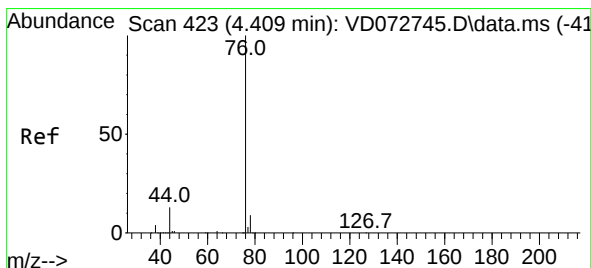
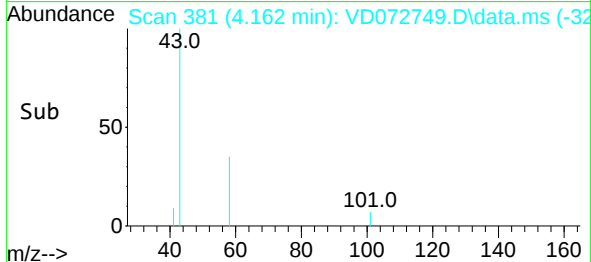
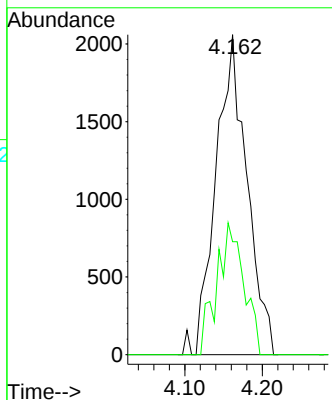
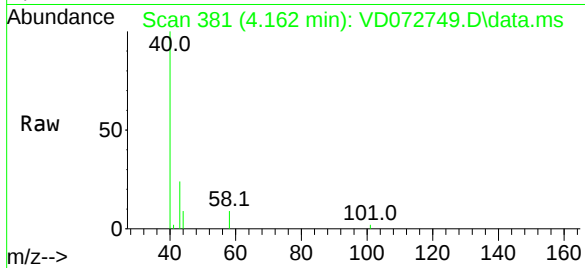




#16  
Acetone  
Concen: Below Cal  
RT: 4.162 min Scan# 381  
Delta R.T. 0.012 min  
Lab File: VD072749.D  
Acq: 02 May 2022 16:40

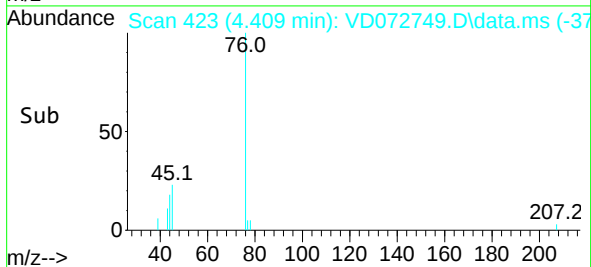
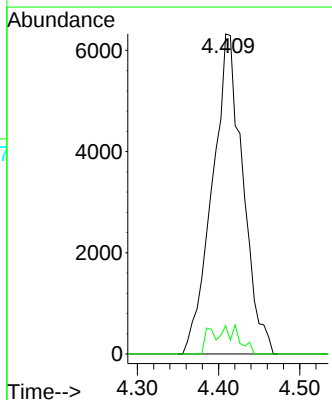
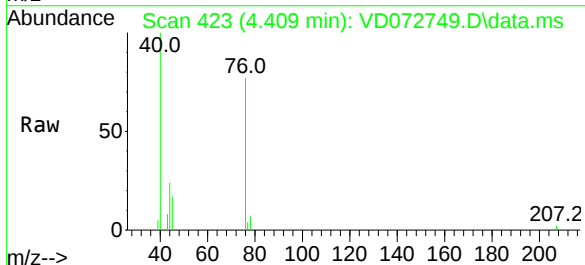
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBL01

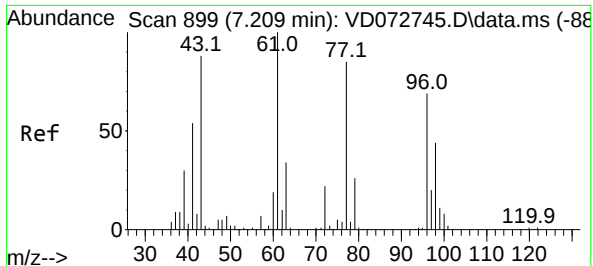
Tgt Ion: 43 Resp: 5746  
Ion Ratio Lower Upper  
43 100  
58 35.3 22.1 33.1#



#17  
Carbon Disulfide  
Concen: 1.122 ug/l  
RT: 4.409 min Scan# 423  
Delta R.T. -0.000 min  
Lab File: VD072749.D  
Acq: 02 May 2022 16:40

Tgt Ion: 76 Resp: 16536  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.5 11.3

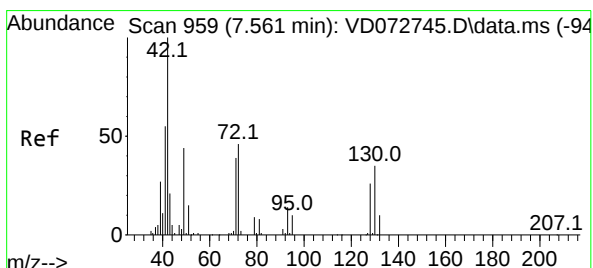
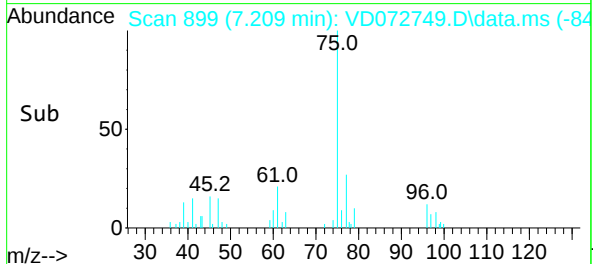
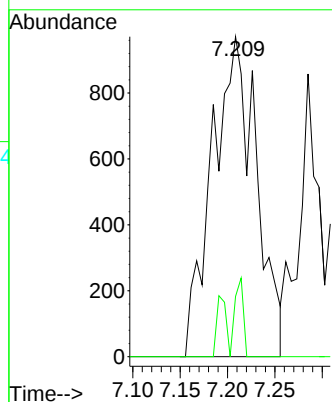
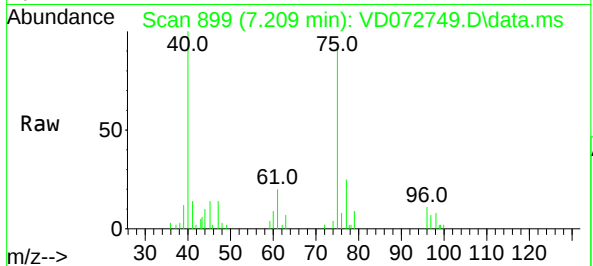




#25  
2-Butanone  
Concen: 2.139 ug/l  
RT: 7.209 min Scan# 899  
Delta R.T. -0.000 min  
Lab File: VD072749.D  
Acq: 02 May 2022 16:40

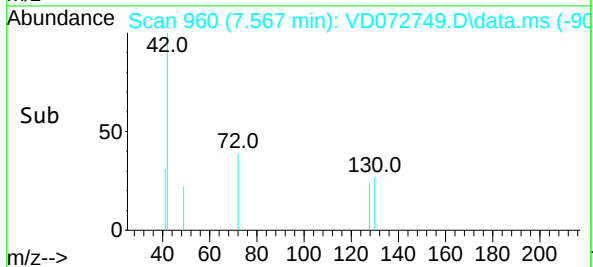
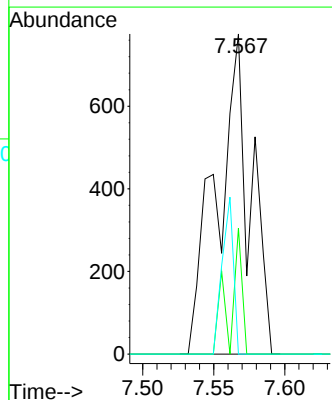
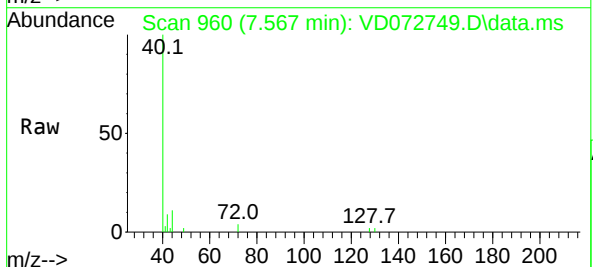
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBL01

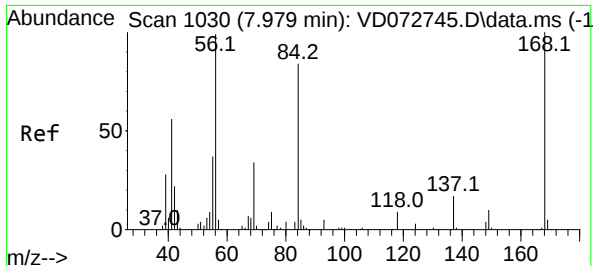
Tgt Ion: 43 Resp: 3143  
Ion Ratio Lower Upper  
43 100  
72 18.8 18.6 27.8



#29  
Tetrahydrofuran  
Concen: 1.349 ug/l  
RT: 7.567 min Scan# 960  
Delta R.T. 0.006 min  
Lab File: VD072749.D  
Acq: 02 May 2022 16:40

Tgt Ion: 42 Resp: 1264  
Ion Ratio Lower Upper  
42 100  
72 14.1 30.7 46.1#  
71 16.6 28.6 43.0#





#31

Cyclohexane

Concen: 1.850 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD072749.D

Acq: 02 May 2022 16:40

Instrument :

MSVOA\_D

ClientSampleId :

VD0502SBL01

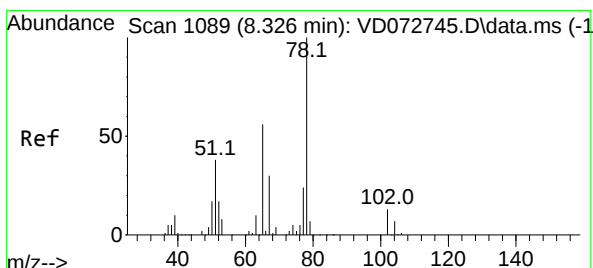
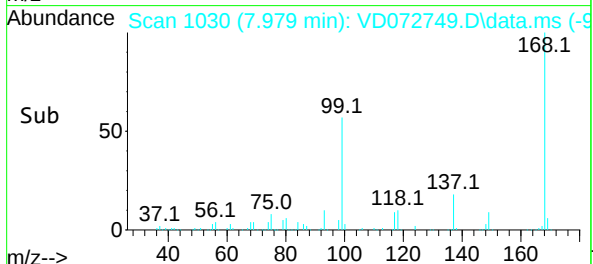
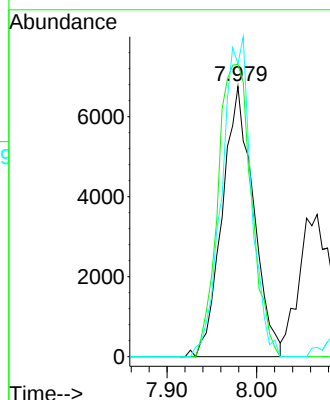
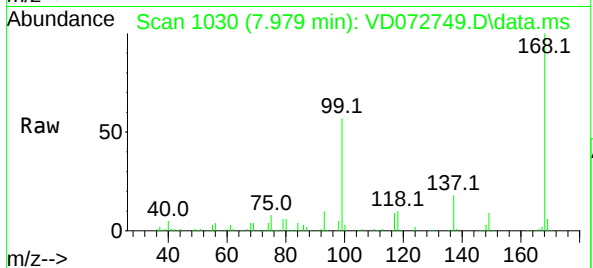
Tgt Ion: 56 Resp: 16313

Ion Ratio Lower Upper

56 100

69 108.2 25.4 38.2#

84 108.3 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 45.733 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072749.D

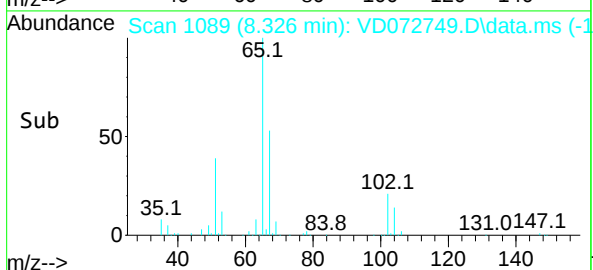
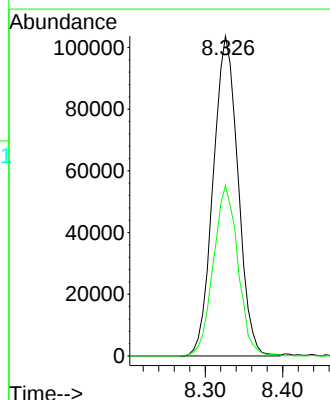
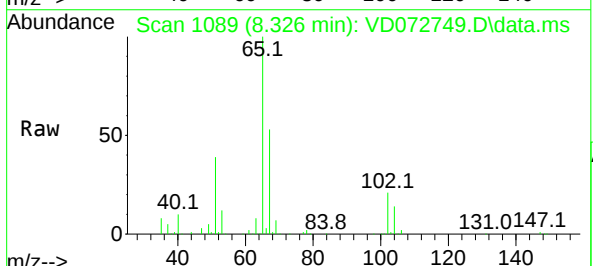
Acq: 02 May 2022 16:40

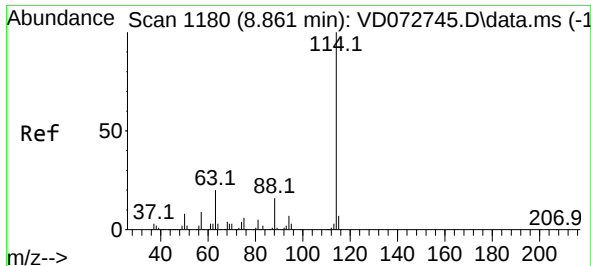
Tgt Ion: 65 Resp: 230673

Ion Ratio Lower Upper

65 100

67 52.7 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072749.D

Acq: 02 May 2022 16:40

Instrument :

MSVOA\_D

ClientSampleId :

VD0502SBL01

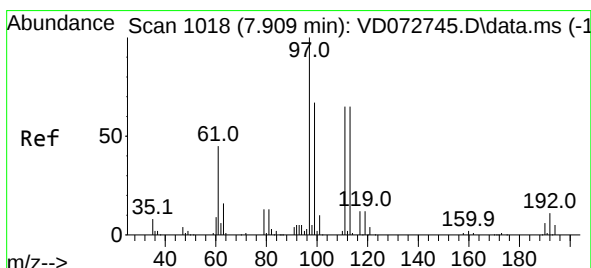
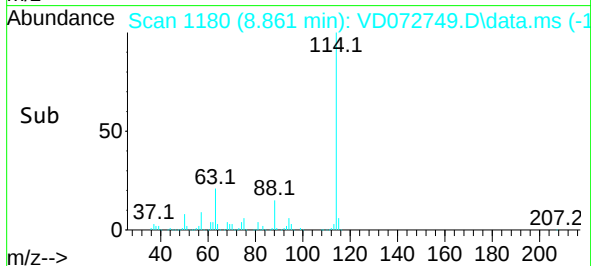
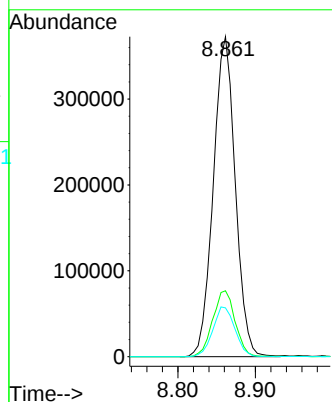
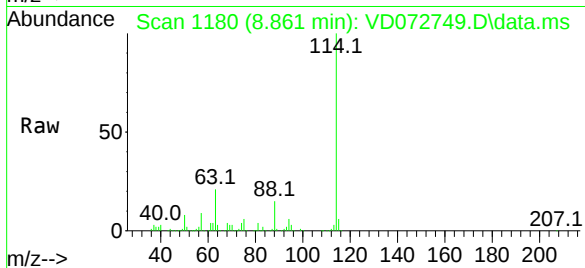
Tgt Ion:114 Resp: 733746

Ion Ratio Lower Upper

114 100

63 20.6 0.0 46.6

88 15.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.411 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.005 min

Lab File: VD072749.D

Acq: 02 May 2022 16:40

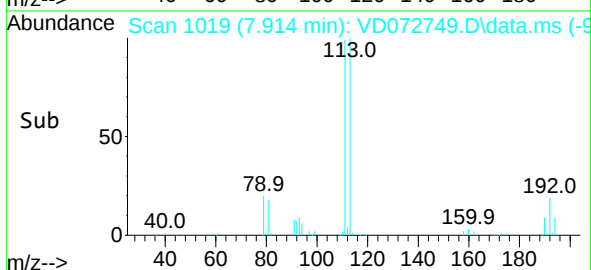
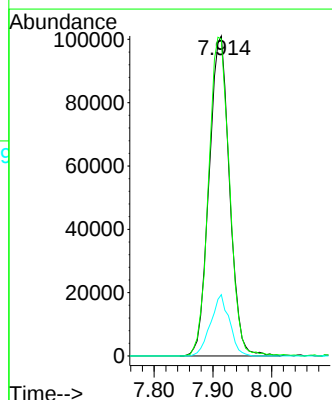
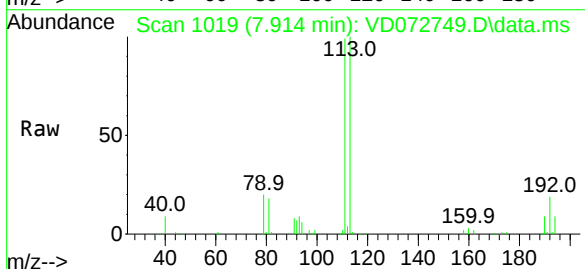
Tgt Ion:113 Resp: 244316

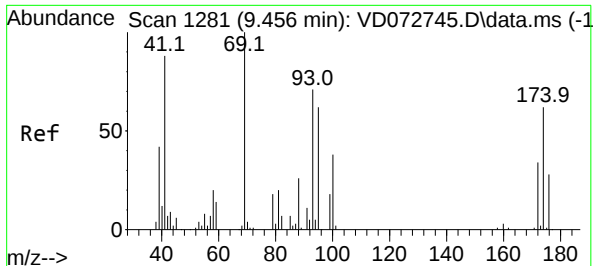
Ion Ratio Lower Upper

113 100

111 101.8 83.8 125.6

192 17.7 14.6 21.8





#49

1,4-Dioxane

Concen: 1.393 ug/l

RT: 9.220 min Scan# 1281

Delta R.T. -0.236 min

Lab File: VD072749.D

Acq: 02 May 2022 16:40

Instrument :

MSVOA\_D

ClientSampleId :

VD0502SBL01

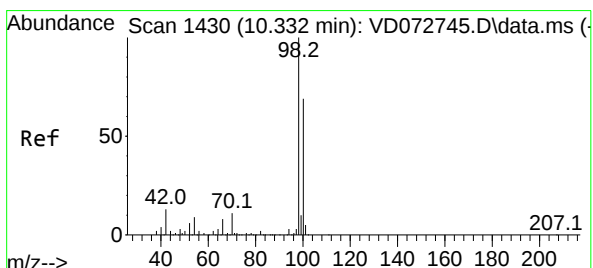
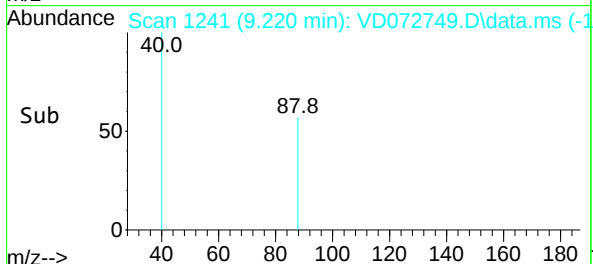
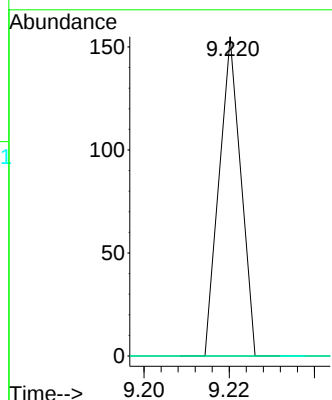
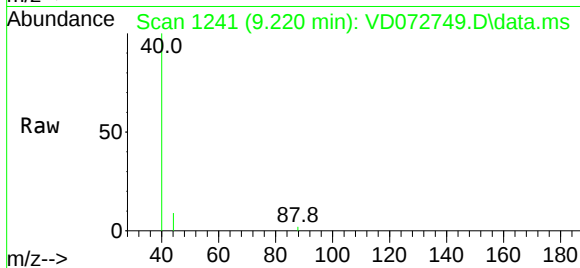
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 0.0 31.0 46.4#

58 0.0 58.1 87.1#



#50

Toluene-d8

Concen: 48.931 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD072749.D

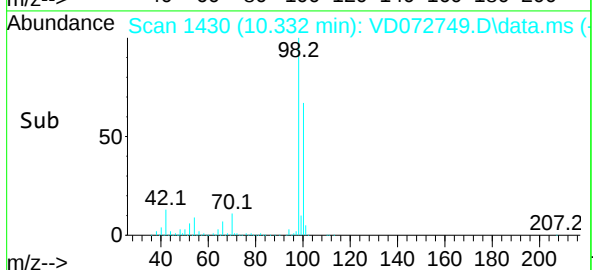
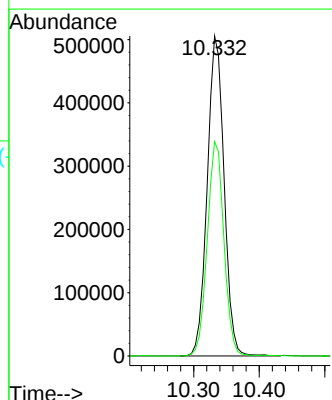
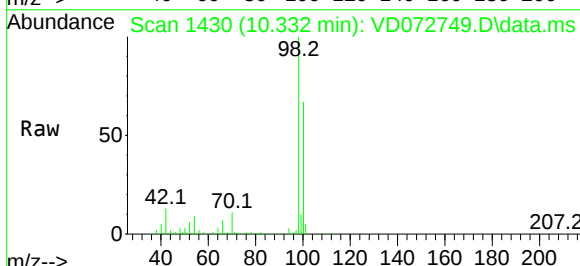
Acq: 02 May 2022 16:40

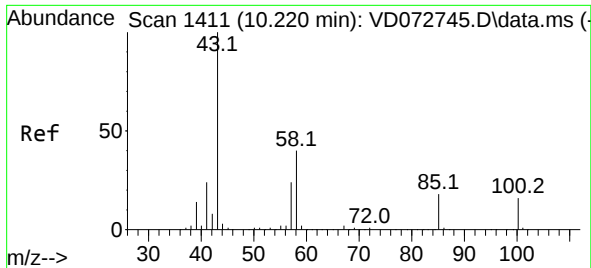
Tgt Ion: 98 Resp: 904489

Ion Ratio Lower Upper

98 100

100 66.0 52.4 78.6

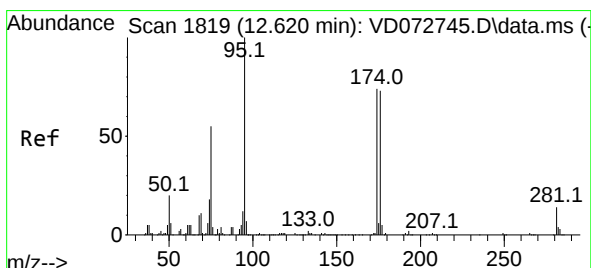
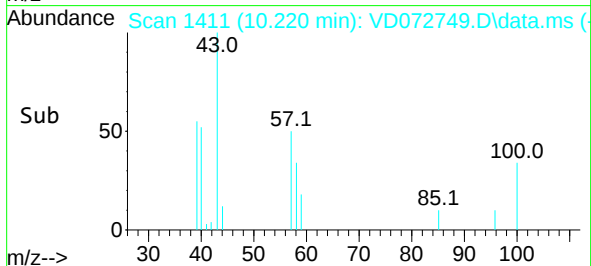
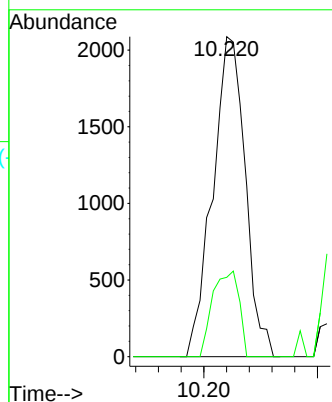
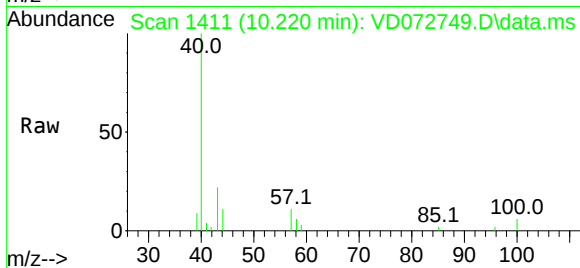




#51  
4-Methyl-2-Pentanone  
Concen: 1.127 ug/l  
RT: 10.220 min Scan# 1411  
Delta R.T. 0.000 min  
Lab File: VD072749.D  
Acq: 02 May 2022 16:40

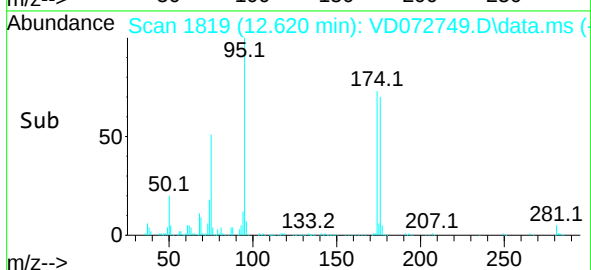
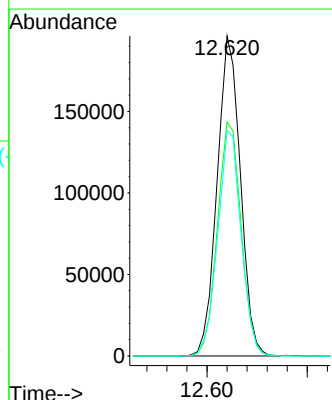
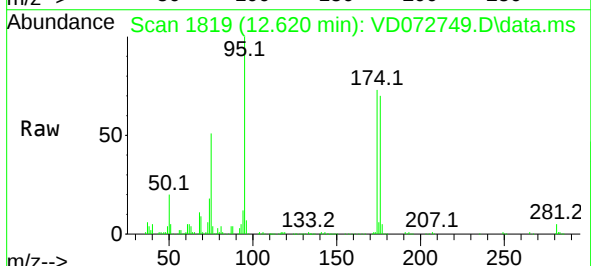
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBL01

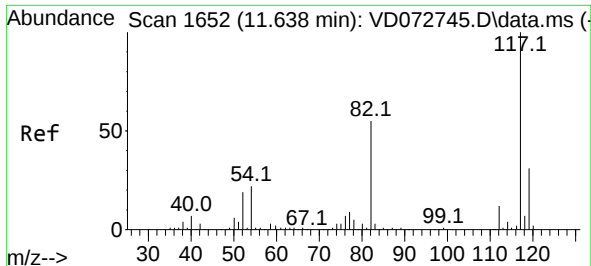
Tgt Ion: 43 Resp: 4162  
Ion Ratio Lower Upper  
43 100  
58 21.6 28.6 43.0#



#62  
4-Bromofluorobenzene  
Concen: 45.882 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD072749.D  
Acq: 02 May 2022 16:40

Tgt Ion: 95 Resp: 316243  
Ion Ratio Lower Upper  
95 100  
174 74.6 0.0 152.8  
176 70.9 0.0 145.4

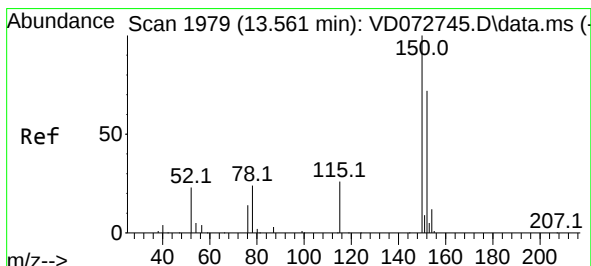
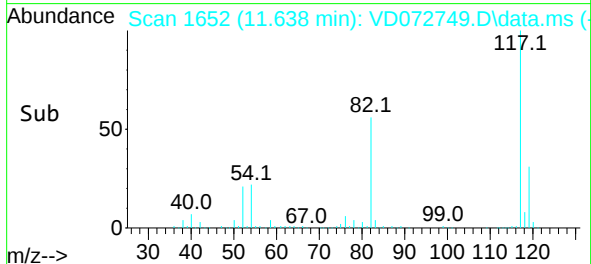
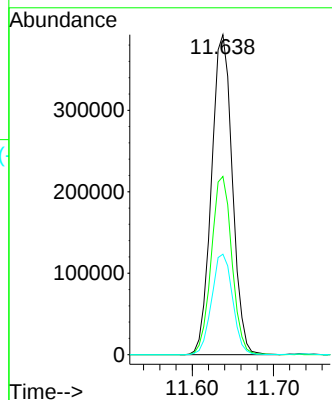
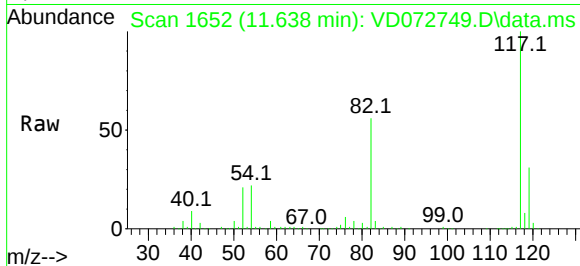




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD072749.D  
Acq: 02 May 2022 16:40

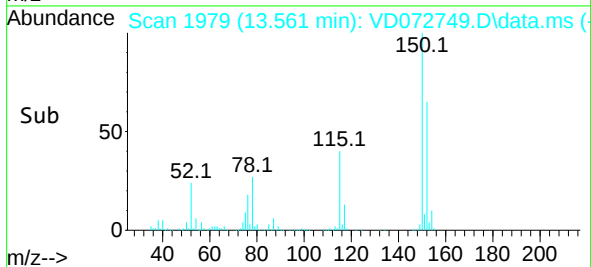
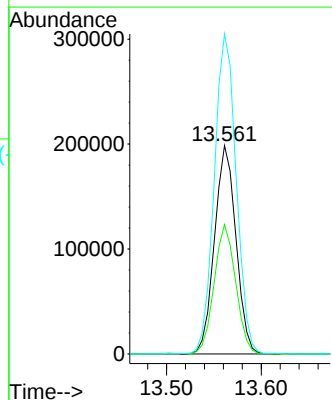
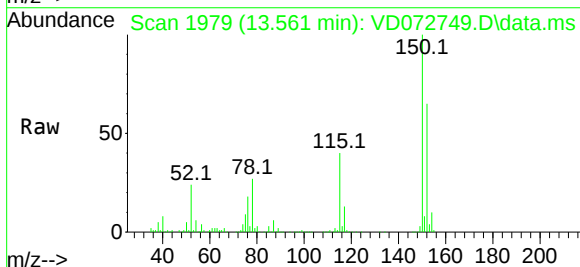
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBL01

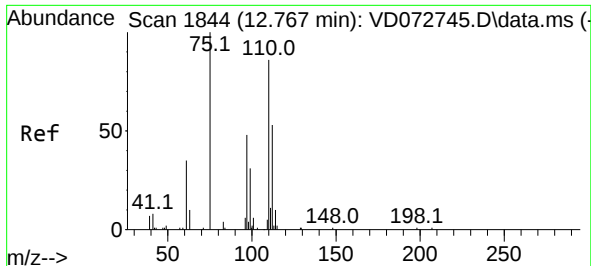
Tgt Ion:117 Resp: 700649  
Ion Ratio Lower Upper  
117 100  
82 55.7 45.3 67.9  
119 31.4 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. 0.000 min  
Lab File: VD072749.D  
Acq: 02 May 2022 16:40

Tgt Ion:152 Resp: 312384  
Ion Ratio Lower Upper  
152 100  
115 62.2 31.3 93.8  
150 157.1 0.0 348.6

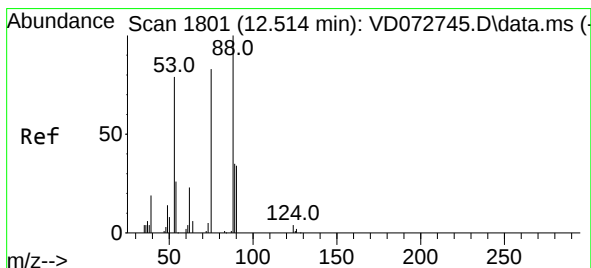
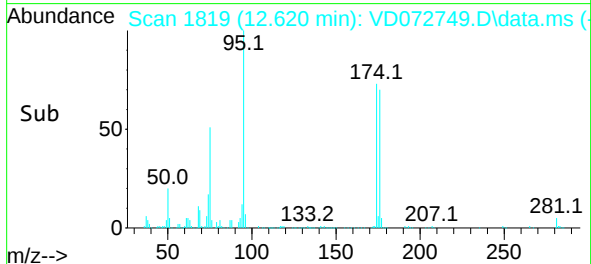
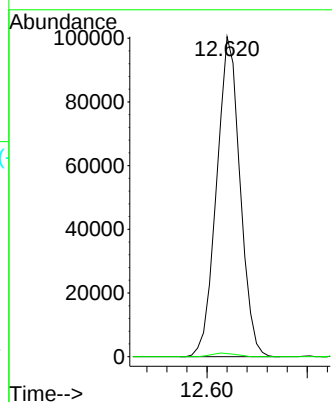
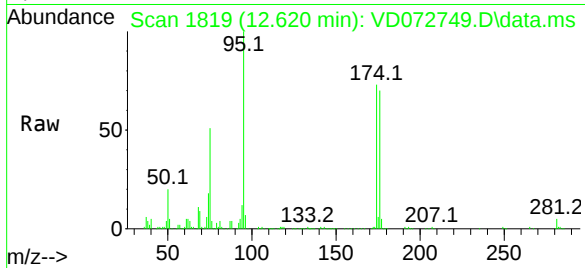




#76  
1,2,3-Trichloropropane  
Concen: 46.807 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.147 min  
Lab File: VD072749.D  
Acq: 02 May 2022 16:40

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBL01

Tgt Ion: 75 Resp: 163043  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 107.638 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.106 min  
Lab File: VD072749.D  
Acq: 02 May 2022 16:40

Tgt Ion: 75 Resp: 163043  
Ion Ratio Lower Upper  
75 100  
53 0.0 86.5 129.7#  
89 0.1 33.9 50.9#

