

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052722\  
 Data File : VD073403.D  
 Acq On : 27 May 2022 11:21  
 Operator : VA/SY  
 Sample : VD0527SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: May 28 09:41:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 19 15:13:42 2022  
 Response via : Initial Calibration

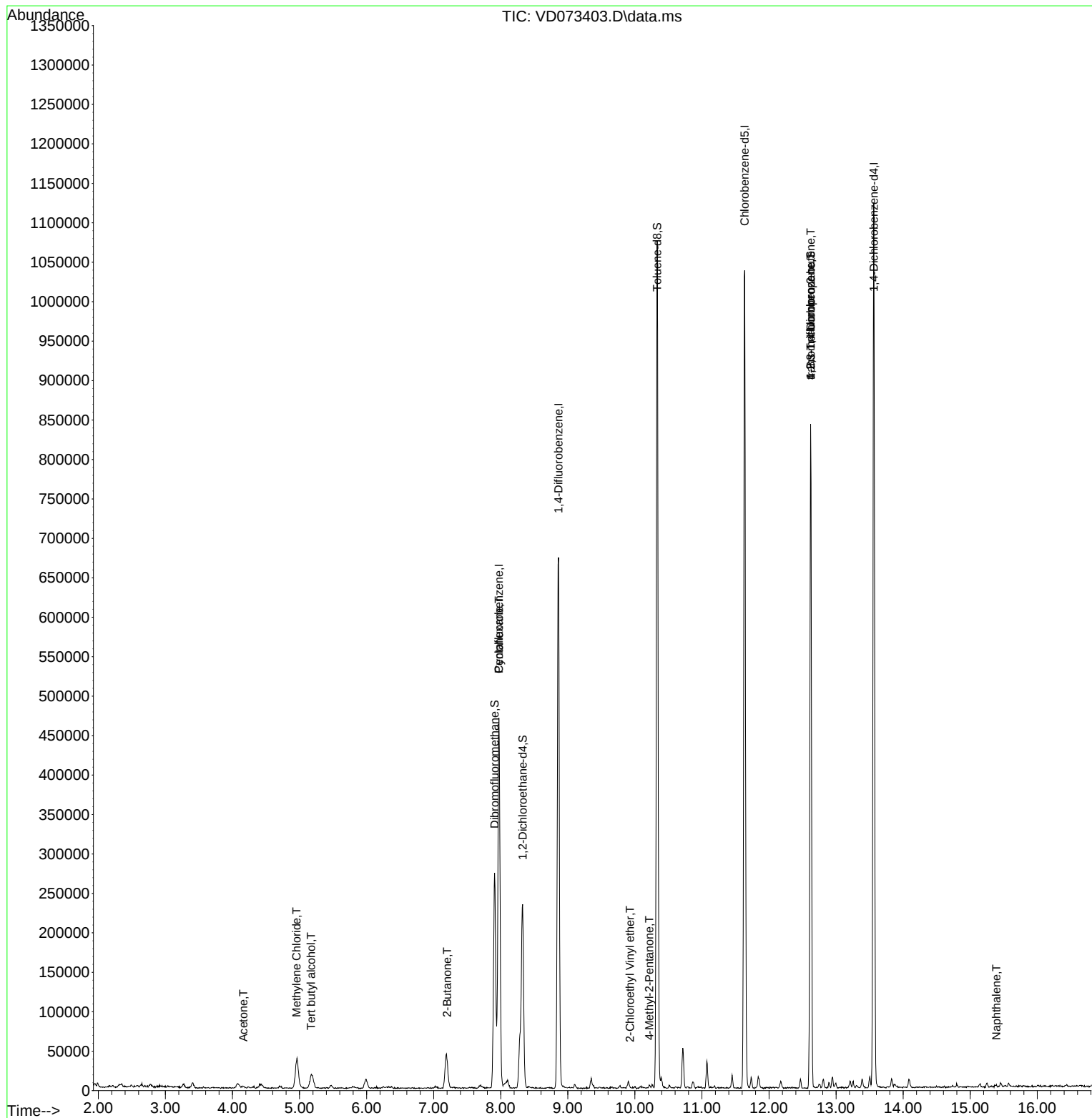
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.973          | 168  | 342528     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861          | 114  | 590746     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.638         | 117  | 618867     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561         | 152  | 294364     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.326          | 65   | 180894     | 47.787    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 95.580%   |        |          |
| 35) Dibromofluoromethane      | 7.909          | 113  | 194826     | 49.979    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 99.960%   |        |          |
| 50) Toluene-d8                | 10.332         | 98   | 722757     | 50.298    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = | 100.600%  |        |          |
| 62) 4-Bromofluorobenzene      | 12.620         | 95   | 275522     | 54.636    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = | 109.280%  |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
|                               |                |      |            |           | Qvalue |          |
| 5) Bromomethane               | 2.774          | 94   | 2189       | Below Cal | #      | 66       |
| 11) Tert butyl alcohol        | 5.173          | 59   | 16963      | 28.883    | ug/l # | 74       |
| 13) Acrolein                  | 3.938          | 56   | 66         | Below Cal | #      | 51       |
| 16) Acetone                   | 4.162          | 43   | 3720       | 5.674     | ug/l # | 73       |
| 20) Methylene Chloride        | 4.956          | 84   | 29791      | 3.445     | ug/l # | 78       |
| 25) 2-Butanone                | 7.203          | 43   | 1684       | 1.755     | ug/l # | 52       |
| 31) Cyclohexane               | 7.973          | 56   | 11398      | 1.723     | ug/l # | 36       |
| 51) 4-Methyl-2-Pentanone      | 10.214         | 43   | 2284       | 1.027     | ug/l   | 92       |
| 58) 2-Chloroethyl Vinyl ether | 9.926          | 63   | 206        | 21.734    | ug/l # | 48       |
| 76) 1,2,3-Trichloropropane    | 12.620         | 75   | 139744     | 48.384    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.620         | 75   | 139744     | 116.155   | ug/l # | 7        |
| 95) Naphthalene               | 15.391         | 128  | 3236       | 3.854     | ug/l # | 79       |
| -----                         |                |      |            |           |        |          |

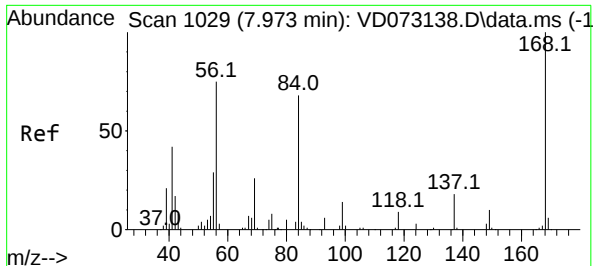
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052722\  
Data File : VD073403.D  
Acq On : 27 May 2022 11:21  
Operator : VA/SY  
Sample : VD0527SBL01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

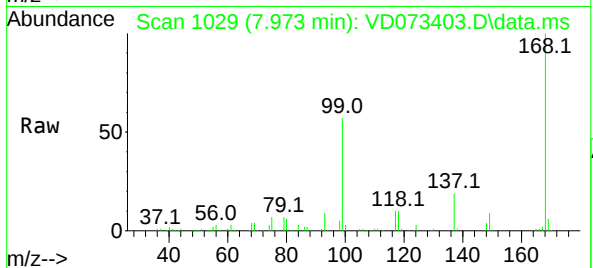
Quant Time: May 28 09:41:26 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 19 15:13:42 2022  
Response via : Initial Calibration



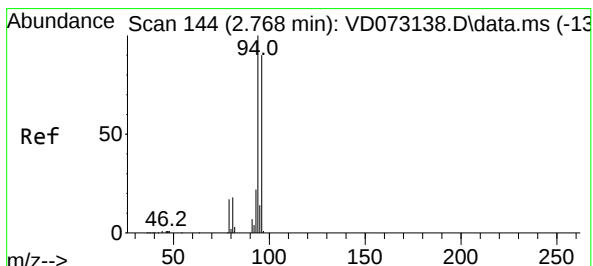
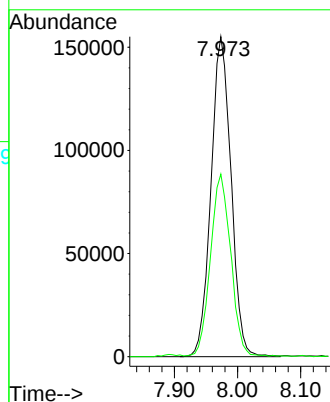
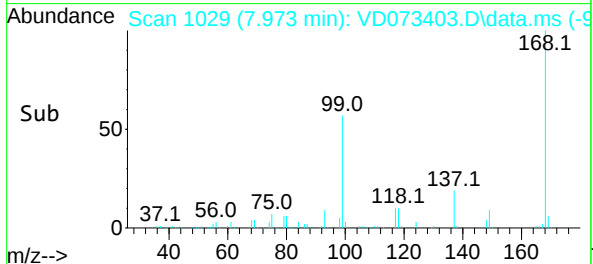


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD073403.D  
Acq: 27 May 2022 11:21

Instrument :  
MSVOA\_D  
ClientSampleId :

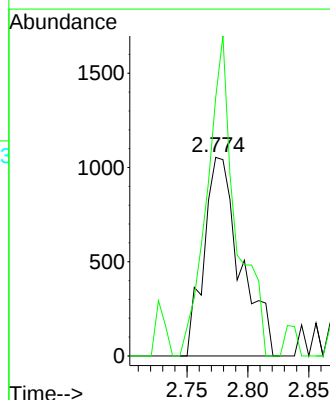
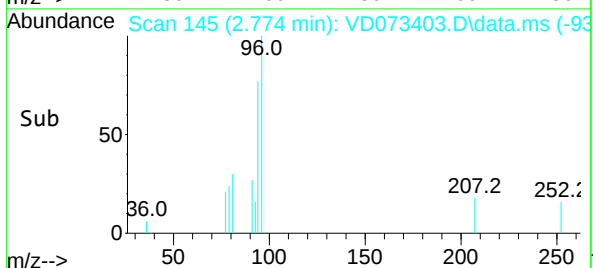
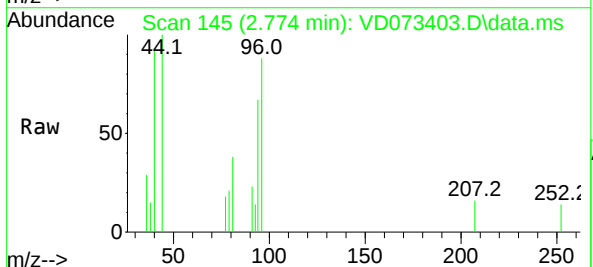


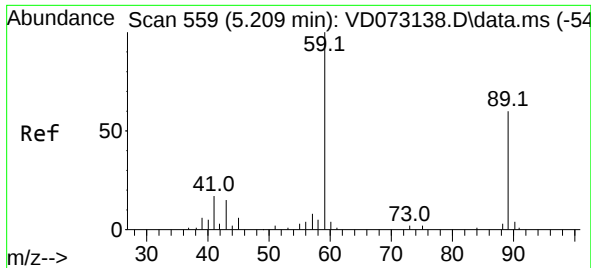
Tgt Ion:168 Resp: 342528  
Ion Ratio Lower Upper  
168 100  
99 56.8 49.8 74.6



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.774 min Scan# 145  
Delta R.T. 0.006 min  
Lab File: VD073403.D  
Acq: 27 May 2022 11:21

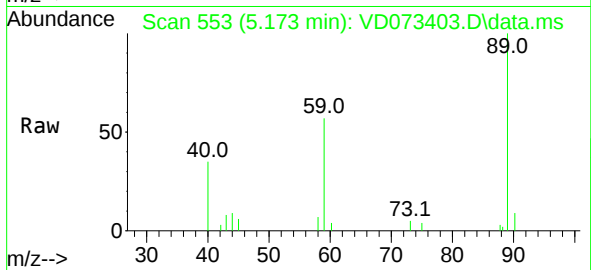
Tgt Ion: 94 Resp: 2189  
Ion Ratio Lower Upper  
94 100  
96 130.2 77.6 116.4#



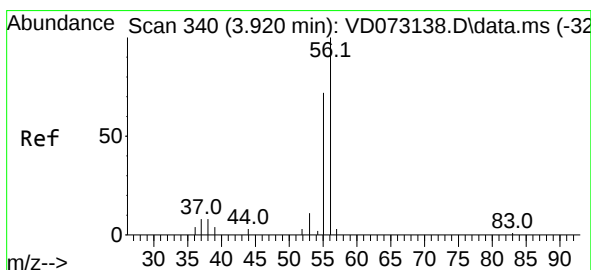
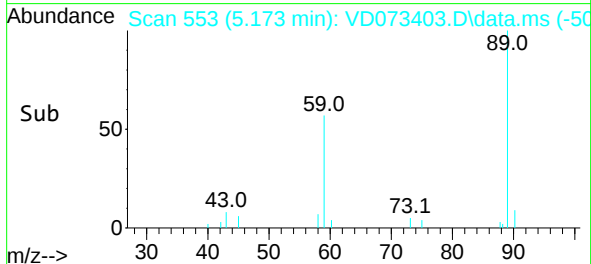
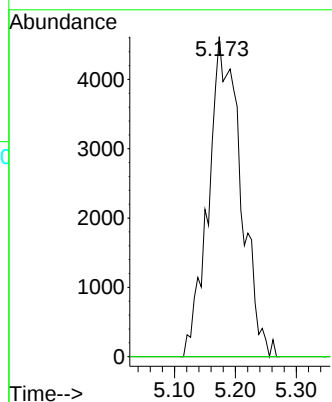


#11  
Tert butyl alcohol  
Concen: 28.883 ug/l  
RT: 5.173 min Scan# 51  
Delta R.T. -0.036 min  
Lab File: VD073403.D  
Acq: 27 May 2022 11:21

Instrument :  
MSVOA\_D  
ClientSampleId :

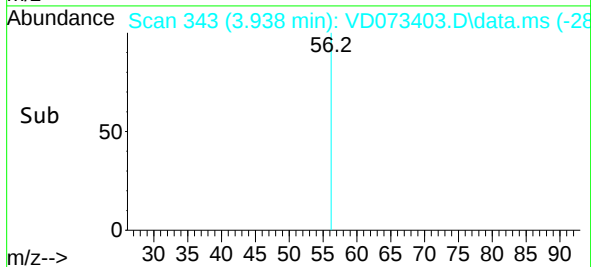
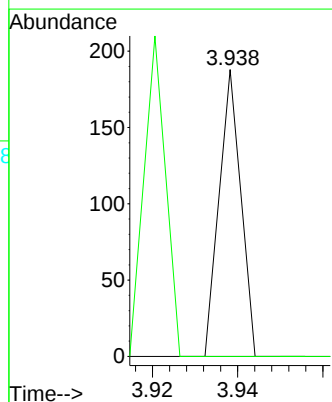
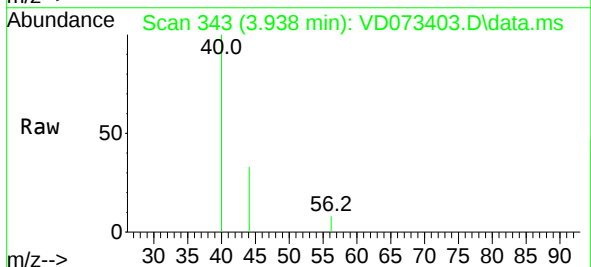


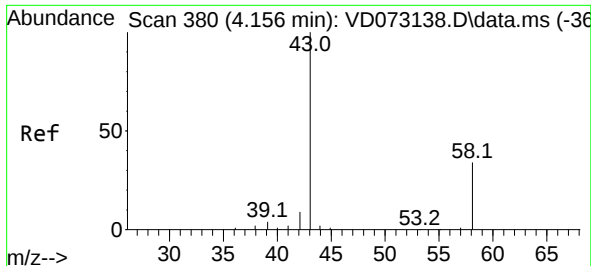
Tgt Ion: 59 Resp: 16963  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.6#



#13  
Acrolein  
Concen: Below Cal  
RT: 3.938 min Scan# 343  
Delta R.T. 0.018 min  
Lab File: VD073403.D  
Acq: 27 May 2022 11:21

Tgt Ion: 56 Resp: 66  
Ion Ratio Lower Upper  
56 100  
55 112.1 57.1 85.7#

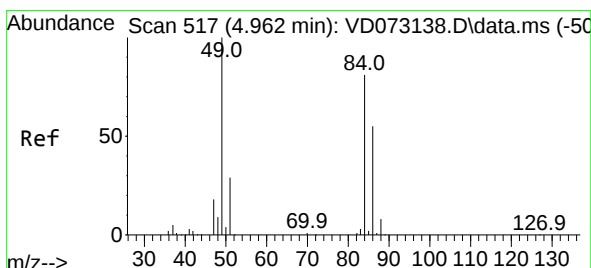
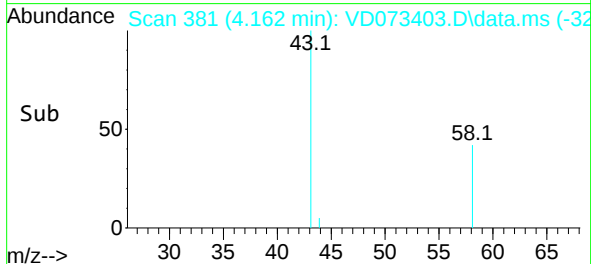
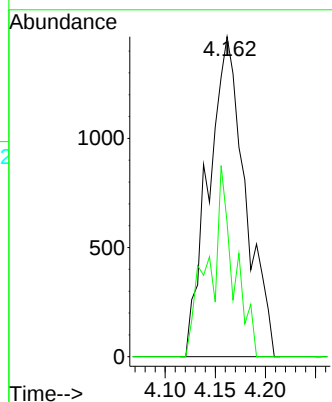
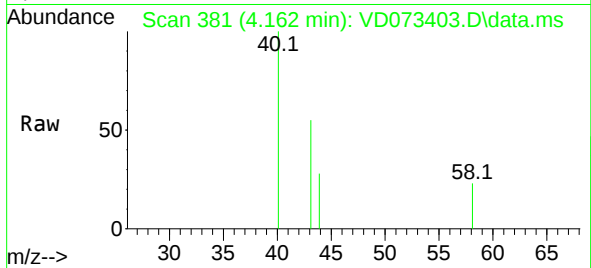




#16  
Acetone  
Concen: 5.674 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.006 min  
Lab File: VD073403.D  
Acq: 27 May 2022 11:21

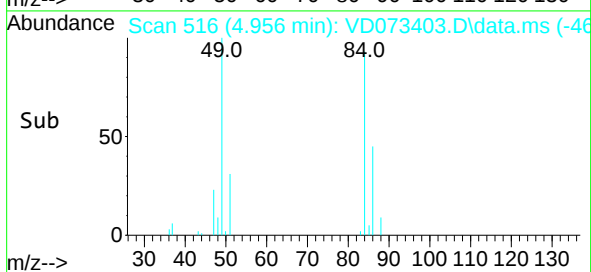
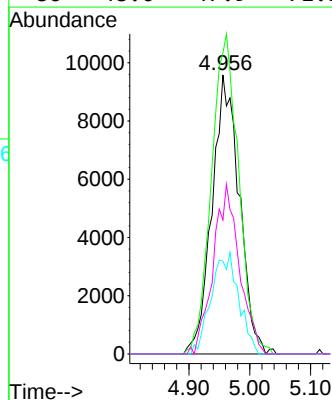
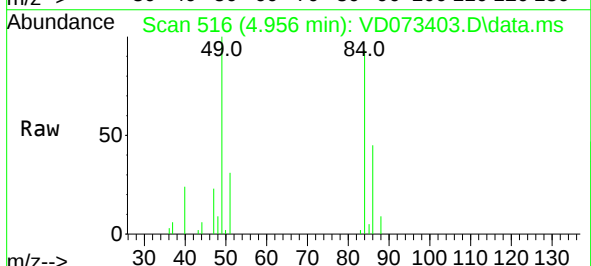
Instrument :  
MSVOA\_D  
ClientSampleId :

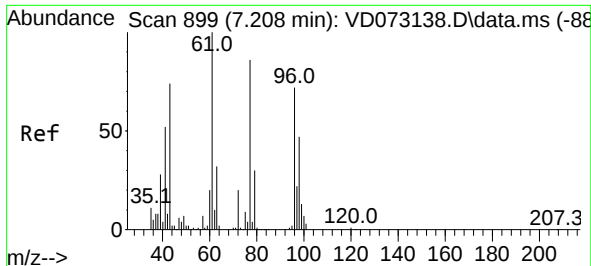
Tgt Ion: 43 Resp: 3720  
Ion Ratio Lower Upper  
43 100  
58 41.9 22.1 33.1#



#20  
Methylene Chloride  
Concen: 3.445 ug/l  
RT: 4.956 min Scan# 516  
Delta R.T. -0.006 min  
Lab File: VD073403.D  
Acq: 27 May 2022 11:21

Tgt Ion: 84 Resp: 29791  
Ion Ratio Lower Upper  
84 100  
49 107.8 112.8 169.2#  
51 33.2 32.6 48.8  
86 48.0 47.9 71.9





#25

2-Butanone

Concen: 1.755 ug/l

RT: 7.203 min Scan# 89

Delta R.T. -0.005 min

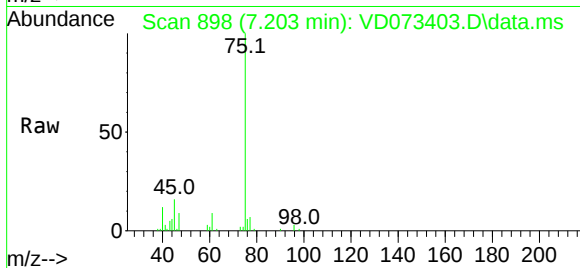
Lab File: VD073403.D

Acq: 27 May 2022 11:21

Instrument :

MSVOA\_D

ClientSampleId :

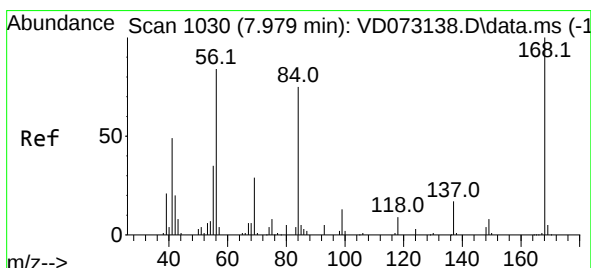
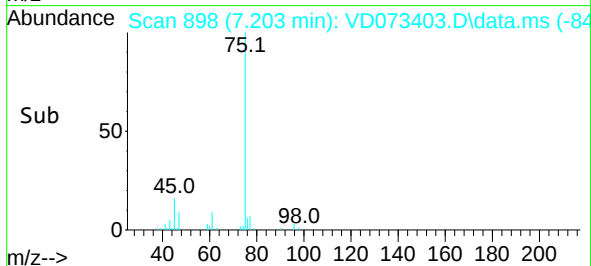
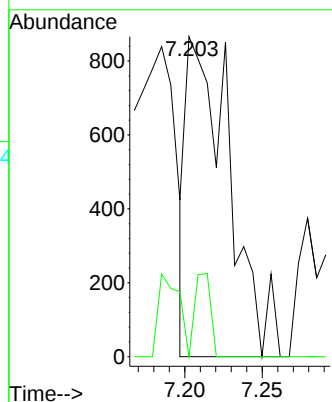


Tgt Ion: 43 Resp: 1684

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#31

Cyclohexane

Concen: 1.723 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073403.D

Acq: 27 May 2022 11:21

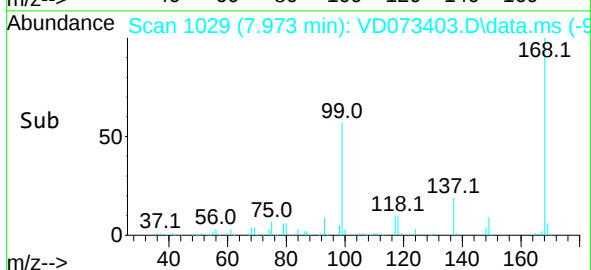
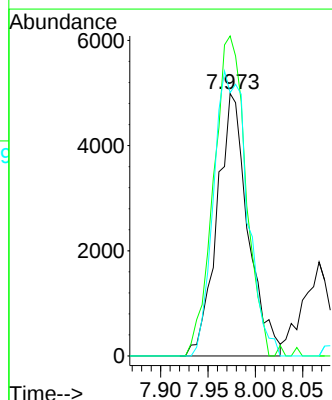
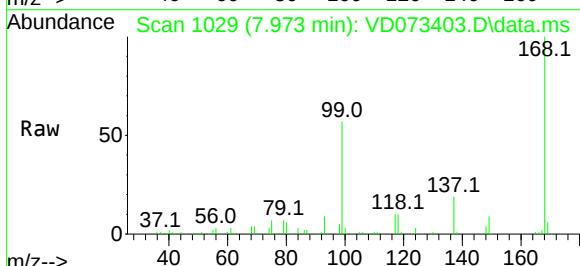
Tgt Ion: 56 Resp: 11398

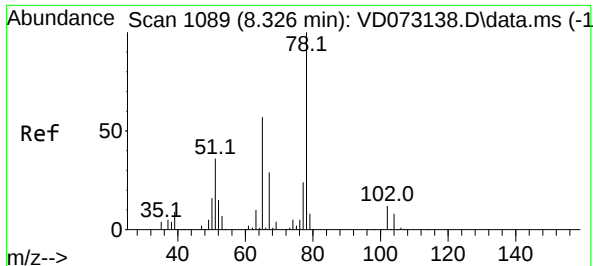
Ion Ratio Lower Upper

56 100

69 121.9 25.4 38.2#

84 100.3 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 47.787 ug/l

RT: 8.326 min Scan# 110

Delta R.T. 0.000 min

Lab File: VD073403.D

Acq: 27 May 2022 11:21

Instrument :

MSVOA\_D

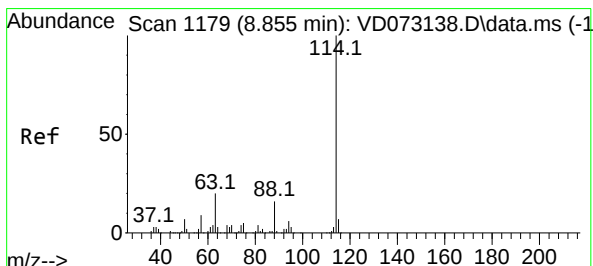
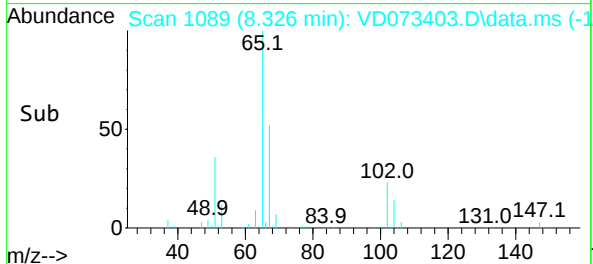
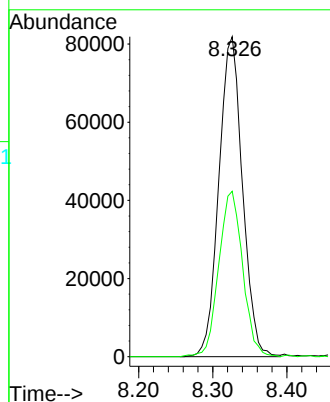
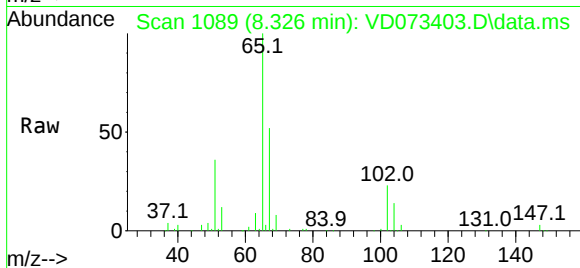
ClientSampleId :

Tgt Ion: 65 Resp: 180894

Ion Ratio Lower Upper

65 100

67 52.4 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073403.D

Acq: 27 May 2022 11:21

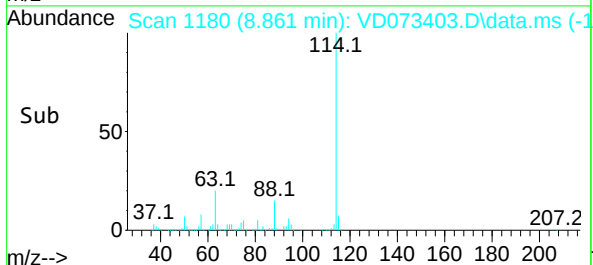
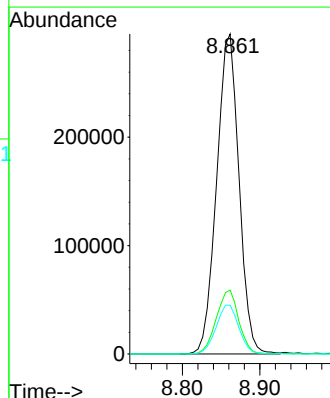
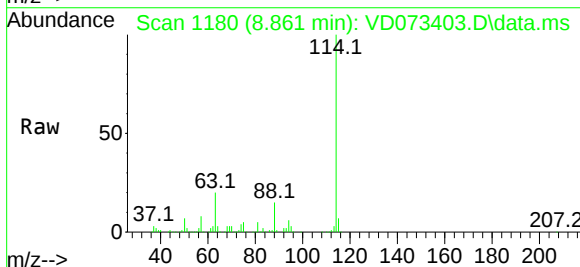
Tgt Ion: 114 Resp: 590746

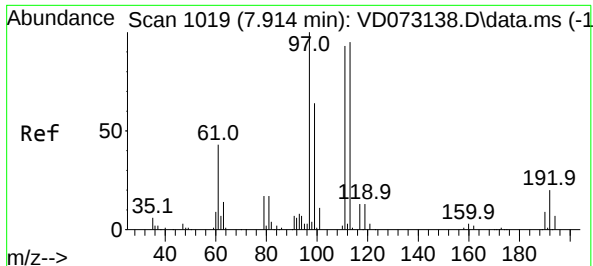
Ion Ratio Lower Upper

114 100

63 20.0 0.0 46.6

88 15.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.979 ug/l

RT: 7.909 min Scan# 1019

Delta R.T. -0.005 min

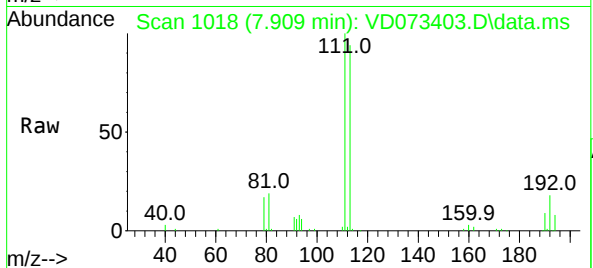
Lab File: VD073403.D

Acq: 27 May 2022 11:21

Instrument :

MSVOA\_D

ClientSampleId :



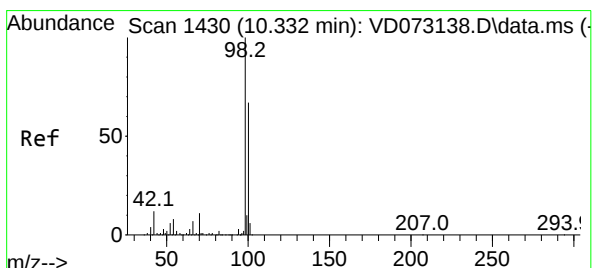
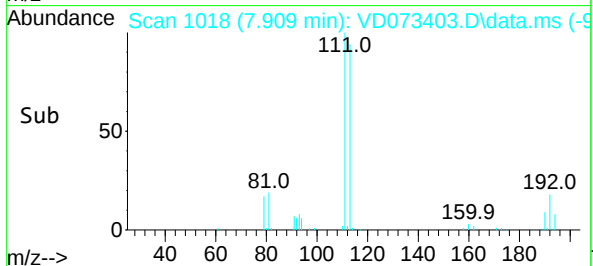
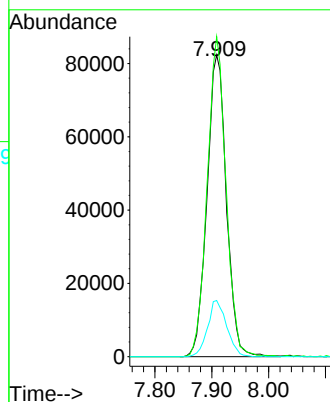
Tgt Ion:113 Resp: 194826

Ion Ratio Lower Upper

113 100

111 102.8 83.8 125.6

192 18.4 14.6 21.8



#50

Toluene-d8

Concen: 50.298 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073403.D

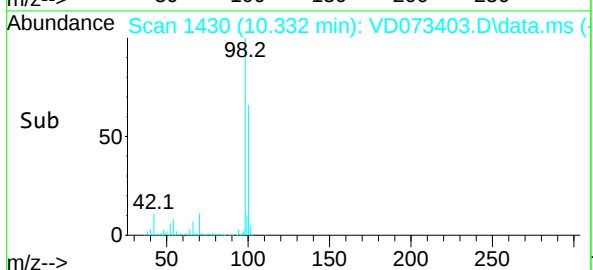
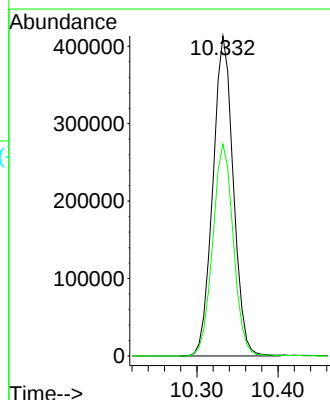
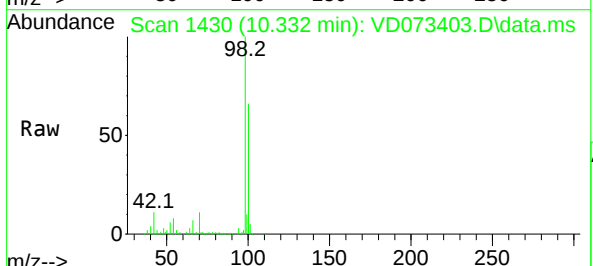
Acq: 27 May 2022 11:21

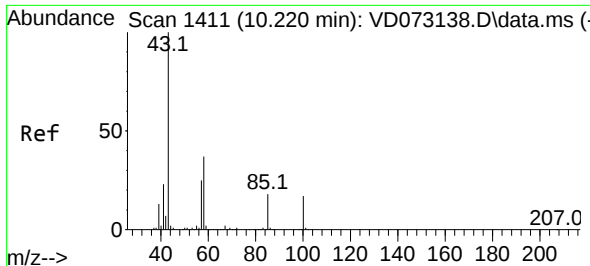
Tgt Ion: 98 Resp: 722757

Ion Ratio Lower Upper

98 100

100 66.8 52.4 78.6

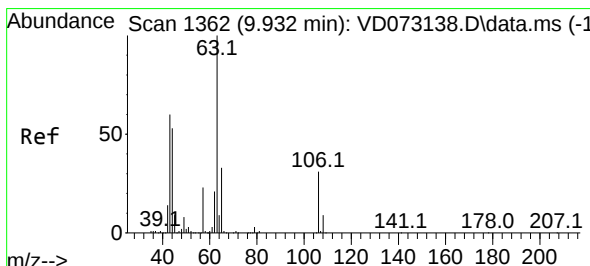
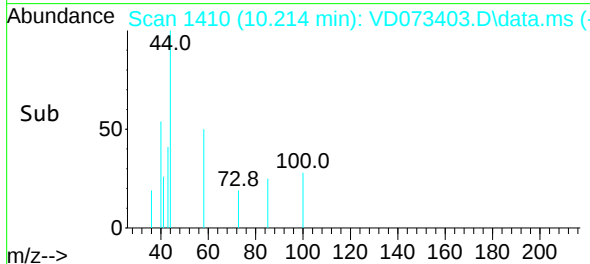
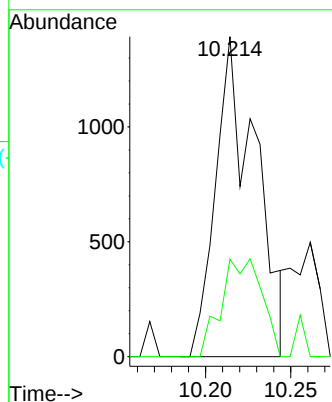
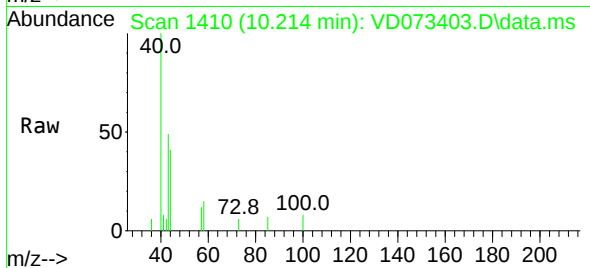




#51  
4-Methyl-2-Pentanone  
Concen: 1.027 ug/l  
RT: 10.214 min Scan# 1411  
Delta R.T. -0.006 min  
Lab File: VD073403.D  
Acq: 27 May 2022 11:21

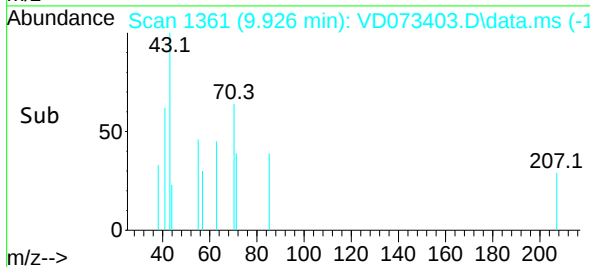
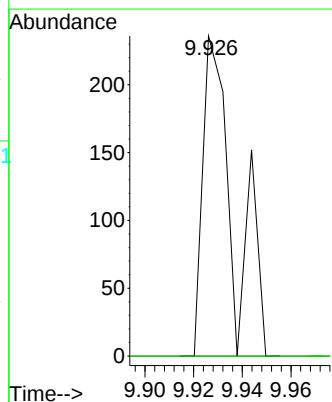
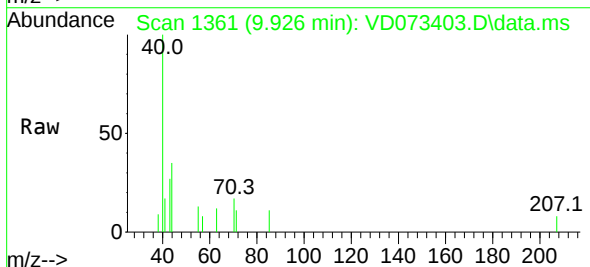
Instrument :  
MSVOA\_D  
ClientSampleId :

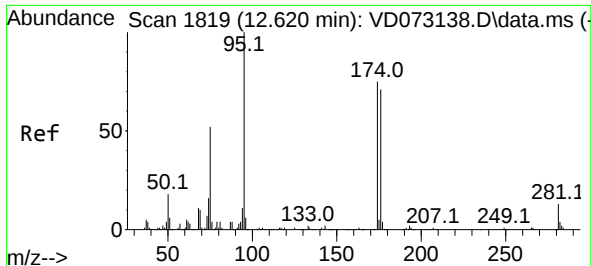
Tgt Ion: 43 Resp: 2284  
Ion Ratio Lower Upper  
43 100  
58 31.2 28.6 43.0



#58  
2-Chloroethyl Vinyl ether  
Concen: 21.734 ug/l  
RT: 9.926 min Scan# 1361  
Delta R.T. -0.006 min  
Lab File: VD073403.D  
Acq: 27 May 2022 11:21

Tgt Ion: 63 Resp: 206  
Ion Ratio Lower Upper  
63 100  
106 0.0 21.4 32.0#

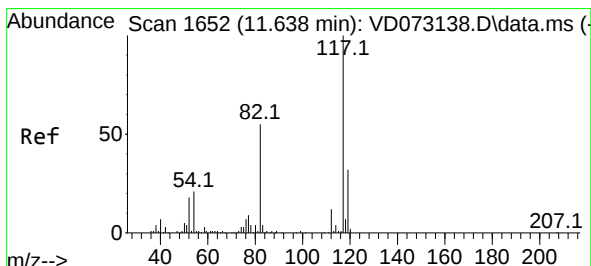
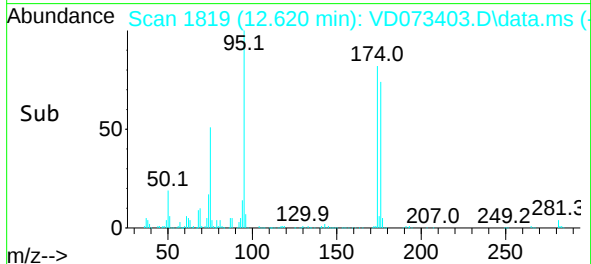
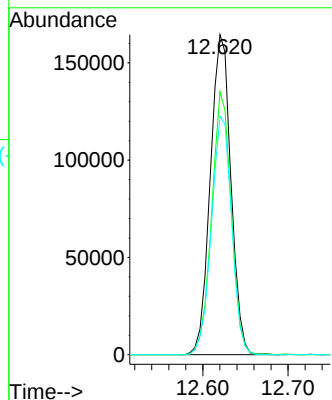
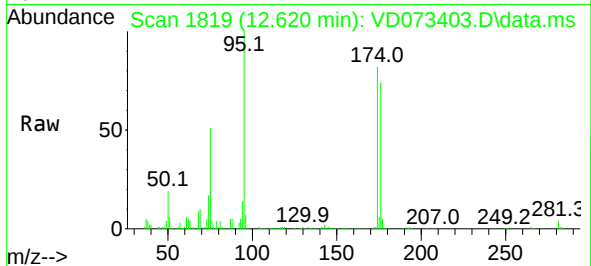




#62  
4-Bromofluorobenzene  
Concen: 54.636 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD073403.D  
Acq: 27 May 2022 11:21

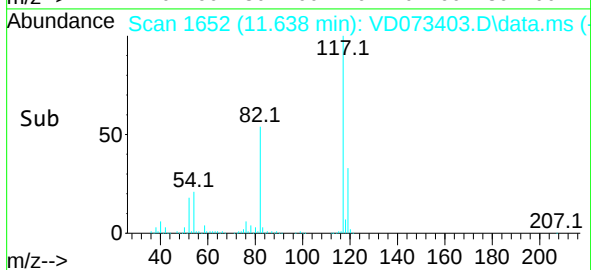
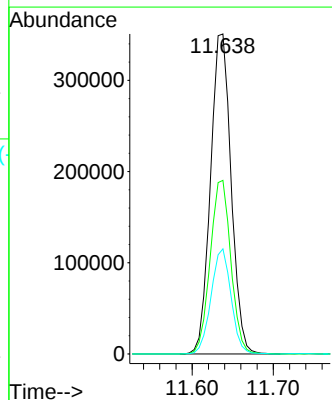
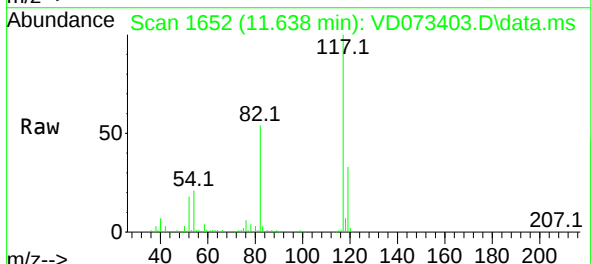
Instrument :  
MSVOA\_D  
ClientSampleId :

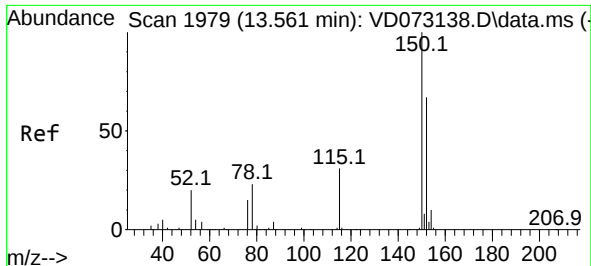
Tgt Ion: 95 Resp: 275522  
Ion Ratio Lower Upper  
95 100  
174 78.3 0.0 152.8  
176 73.3 0.0 145.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD073403.D  
Acq: 27 May 2022 11:21

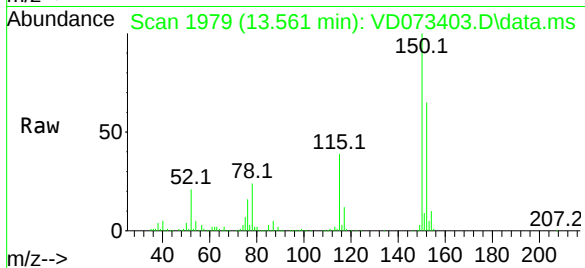
Tgt Ion: 117 Resp: 618867  
Ion Ratio Lower Upper  
117 100  
82 54.3 45.3 67.9  
119 32.9 26.6 40.0



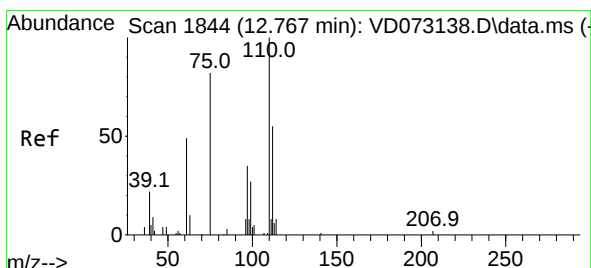
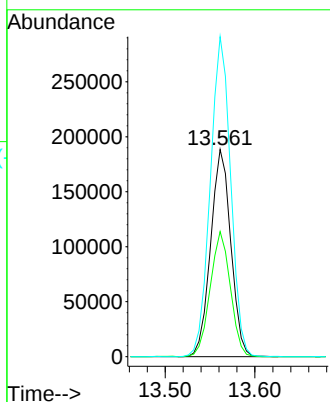
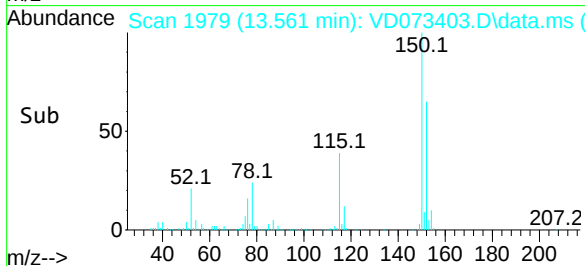


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.561 min Scan# 1979  
 Delta R.T. 0.000 min  
 Lab File: VD073403.D  
 Acq: 27 May 2022 11:21

Instrument :  
 MSVOA\_D  
 ClientSampleId :

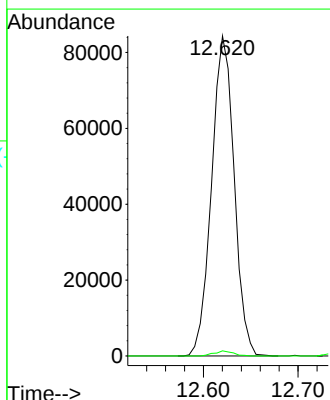
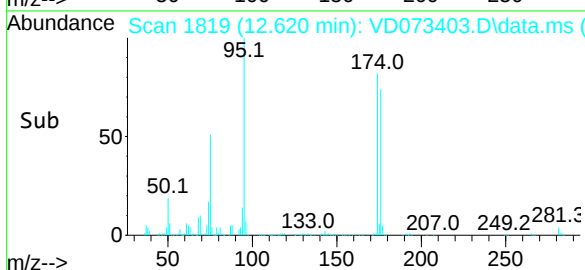
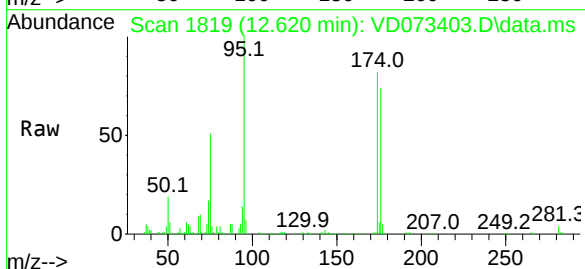


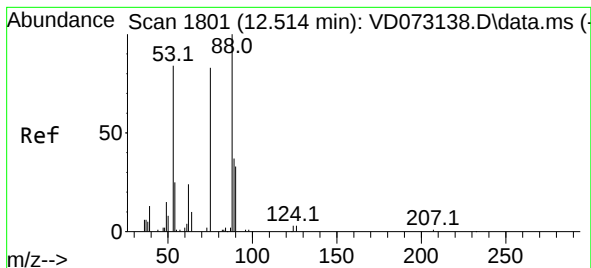
Tgt Ion:152 Resp: 294364  
 Ion Ratio Lower Upper  
 152 100  
 115 60.2 31.3 93.8  
 150 156.0 0.0 348.6



#76  
 1,2,3-Trichloropropane  
 Concen: 48.384 ug/l  
 RT: 12.620 min Scan# 1819  
 Delta R.T. -0.147 min  
 Lab File: VD073403.D  
 Acq: 27 May 2022 11:21

Tgt Ion: 75 Resp: 139744  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 0.0 0.0#

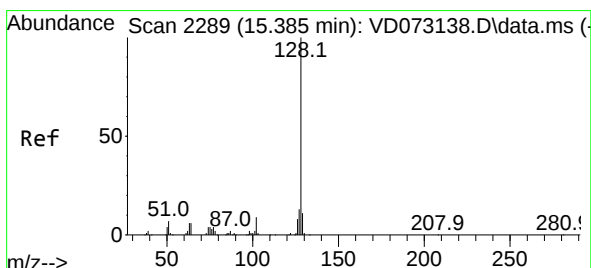
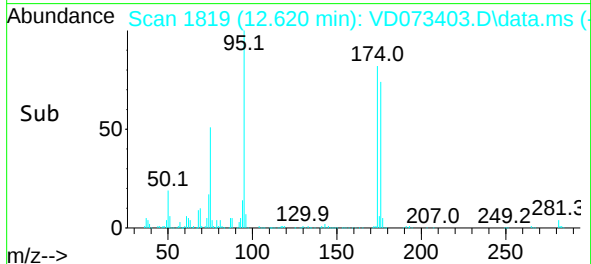
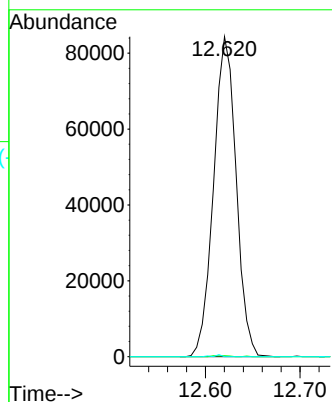
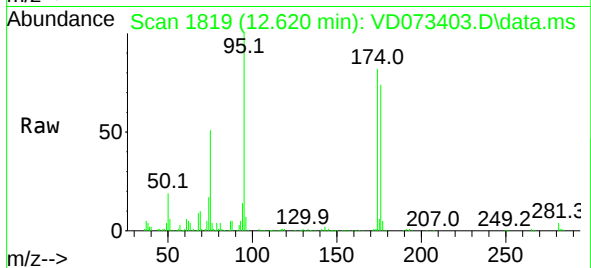




#81  
trans-1,4-Dichloro-2-butene  
Concen: 116.155 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.106 min  
Lab File: VD073403.D  
Acq: 27 May 2022 11:21

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 75 Resp: 139744  
Ion Ratio Lower Upper  
75 100  
53 0.2 86.5 129.7#  
89 0.2 33.9 50.9#



#95  
Naphthalene  
Concen: 3.854 ug/l  
RT: 15.391 min Scan# 2290  
Delta R.T. 0.006 min  
Lab File: VD073403.D  
Acq: 27 May 2022 11:21

Tgt Ion: 128 Resp: 3236  
Ion Ratio Lower Upper  
128 100  
127 4.9 10.3 15.5#  
129 2.1 8.4 12.6#

