

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051122\
 Data File : VD072937.D
 Acq On : 11 May 2022 18:12
 Operator : VA/SY
 Sample : N2749-13
 Misc : 4.56G/5.00ml/MSVOA_D/soil
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-5

Quant Time: May 12 04:14:50 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)

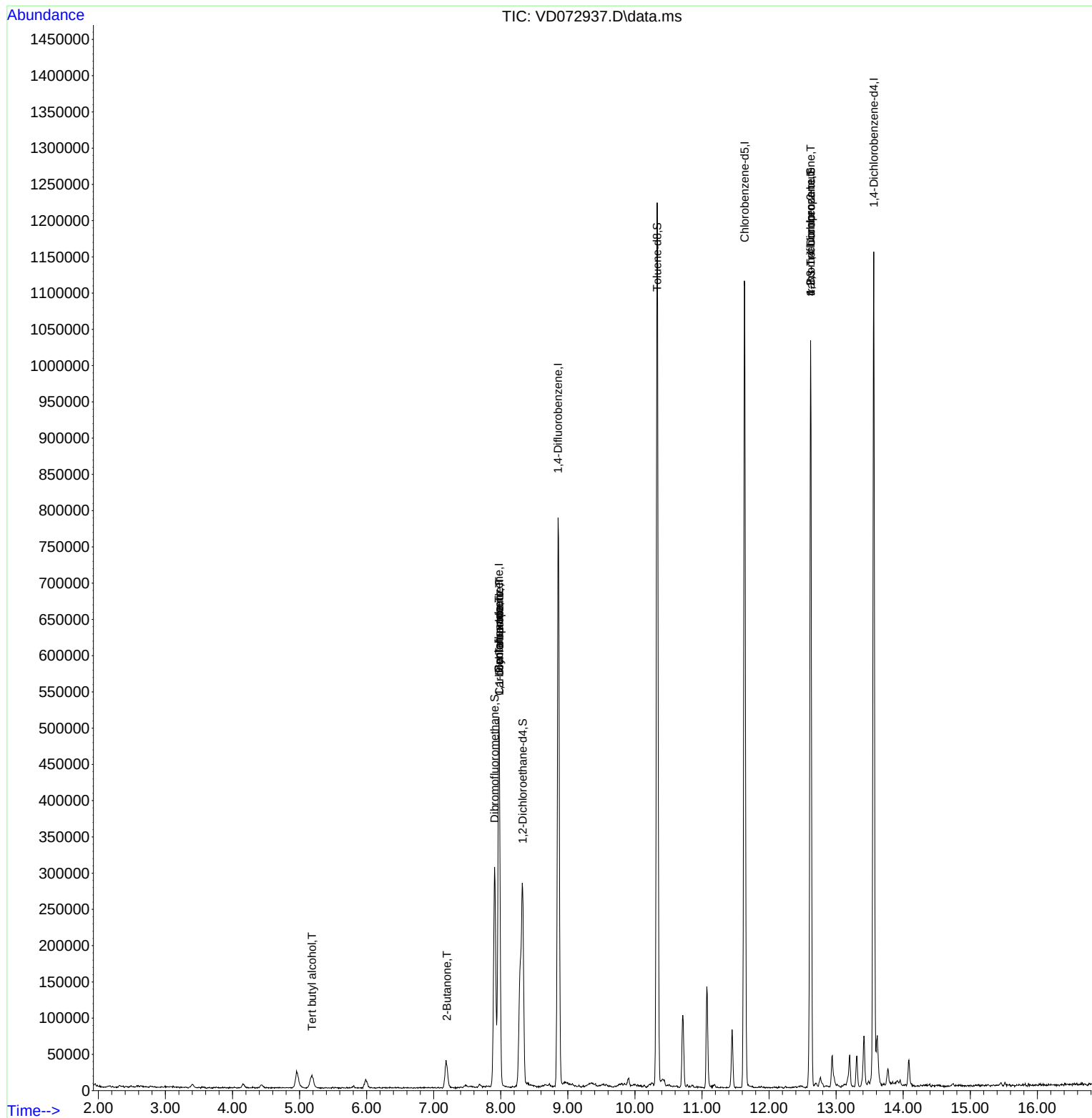
Internal Standards						
1) Pentafluorobenzene	7.973	168	374978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	663239	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	651644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	295743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	208090	42.751	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.500%		
35) Dibromofluoromethane	7.908	113	217633	46.722	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.440%		
50) Toluene-d8	10.332	98	808701	48.400	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.800%		
62) 4-Bromofluorobenzene	12.620	95	297952	47.824	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.640%		
Target Compounds						
5) Bromomethane	2.779	94	815	Below Cal		85
11) Tert butyl alcohol	5.185	59	16446	39.051 ug/l #		75
13) Acrolein	3.920	56	66	Below Cal #		14
16) Acetone	4.162	43	9136	Below Cal		98
18) Methyl Acetate	4.714	43	56	Below Cal #		55
20) Methylene Chloride	4.956	84	15874	Below Cal		97
25) 2-Butanone	7.197	43	1589	1.120 ug/l #		63
31) Cyclohexane	7.973	56	8666	1.018 ug/l #		12
36) 1,1-Dichloropropene	7.979	75	31316	4.135 ug/l #		51
38) Carbon Tetrachloride	7.979	117	39402	5.012 ug/l #		16
76) 1,2,3-Trichloropropane	12.620	75	153795	46.637 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.620	75	153795	107.245 ug/l #		8

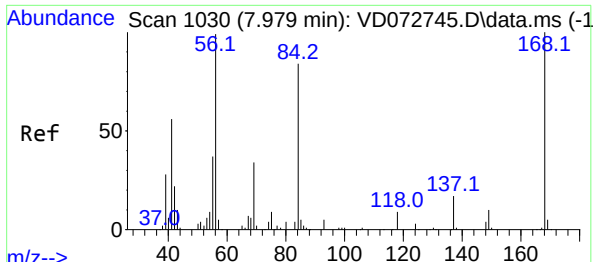
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 10

Delta R.T. -0.006 min

Lab File: VD072937.D

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Instrument :

MSVOA_D

ClientSampleId :

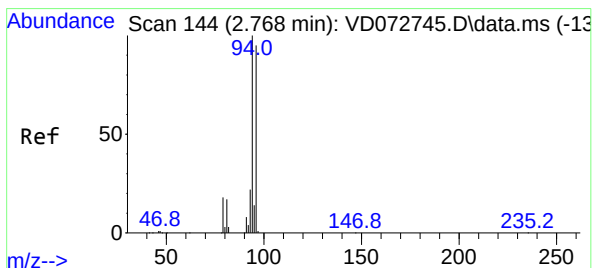
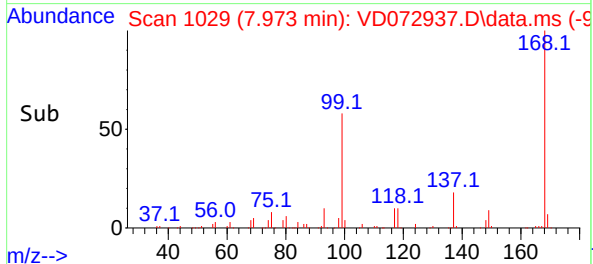
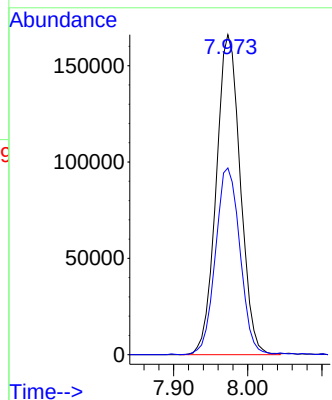
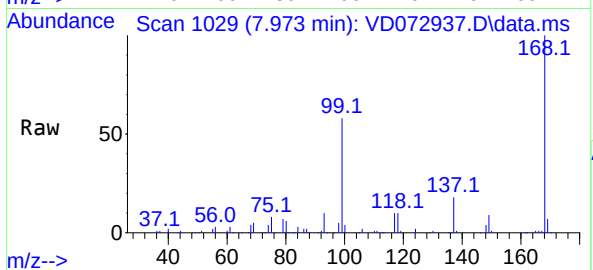
TP-5

Tgt Ion:168 Resp: 374978

Ion Ratio Lower Upper

168 100

99 58.3 49.8 74.6



#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.011 min

Lab File: VD072937.D

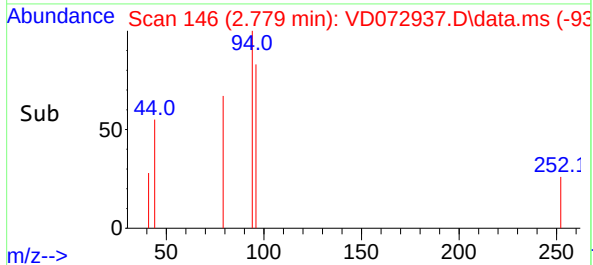
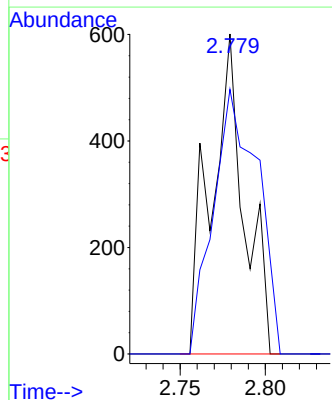
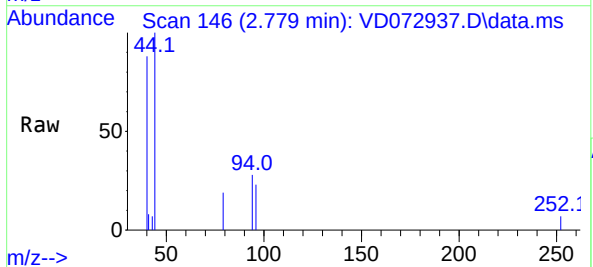
Acq: 11 May 2022 18:12

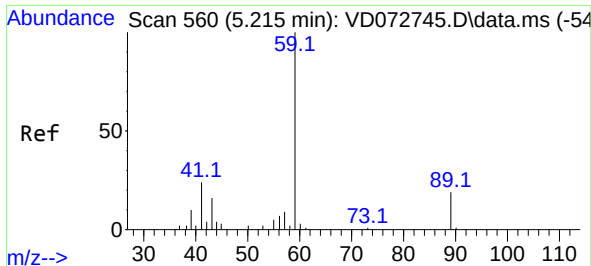
Tgt Ion: 94 Resp: 815

Ion Ratio Lower Upper

94 100

96 82.7 77.6 116.4

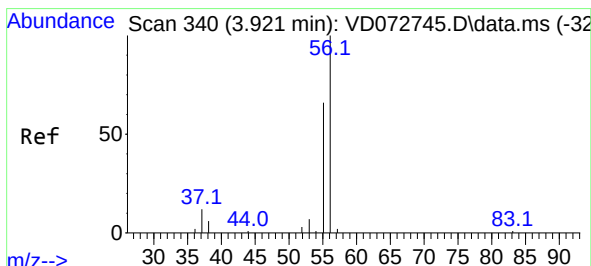
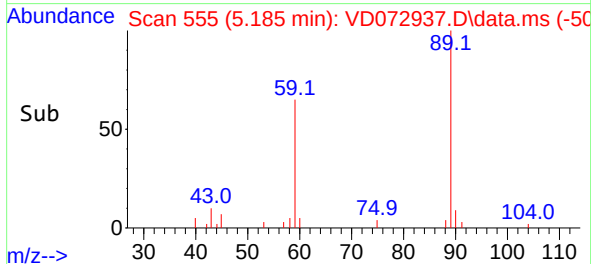
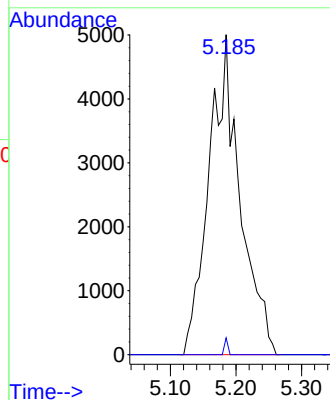
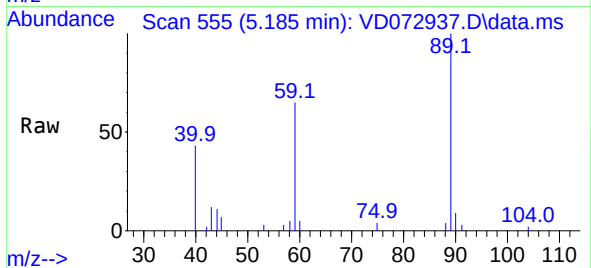




#11
Tert butyl alcohol
Concen: 39.051 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD072937.D
Acq: 11 May 2022 18:12

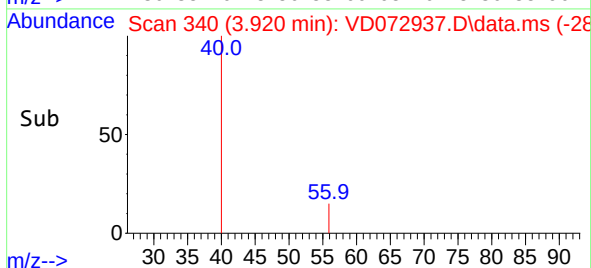
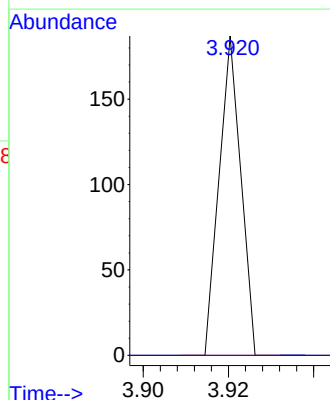
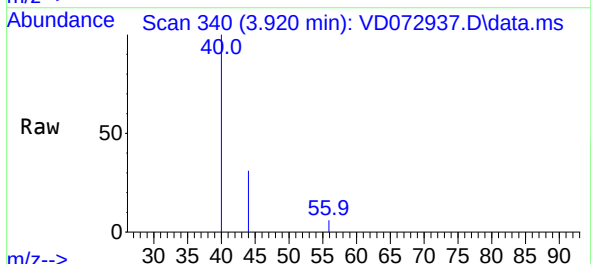
Instrument :
MSVOA_D
ClientSampleId :
TP-5

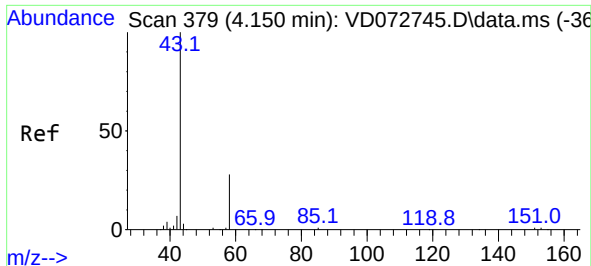
Tgt Ion: 59 Resp: 16446
Ion Ratio Lower Upper
59 100
57 0.6 7.8 11.6#



#13
Acrolein
Concen: Below Cal
RT: 3.920 min Scan# 340
Delta R.T. -0.001 min
Lab File: VD072937.D
Acq: 11 May 2022 18:12

Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#

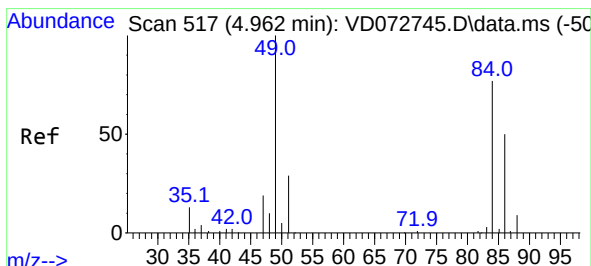
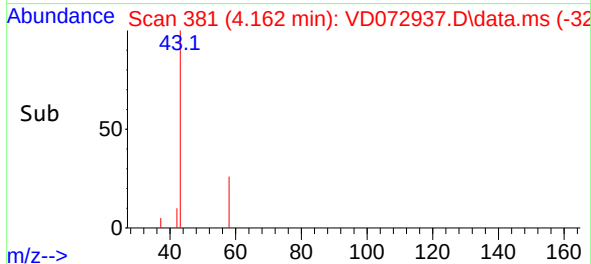
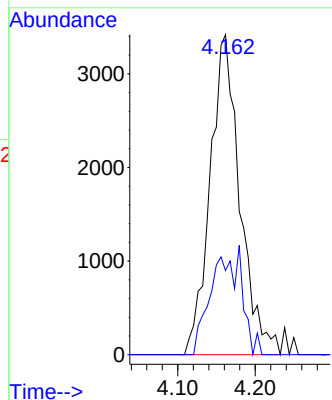
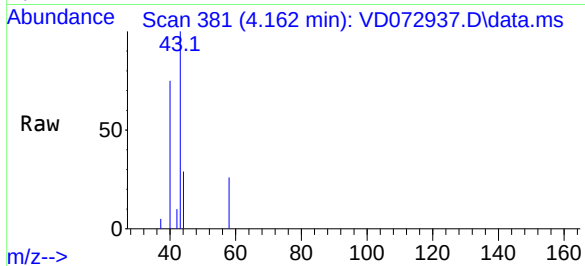




#16
Acetone
Concen: Below Cal
RT: 4.162 min Scan# 31
Delta R.T. 0.012 min
Lab File: VD072937.D
Acq: 11 May 2022 18:12

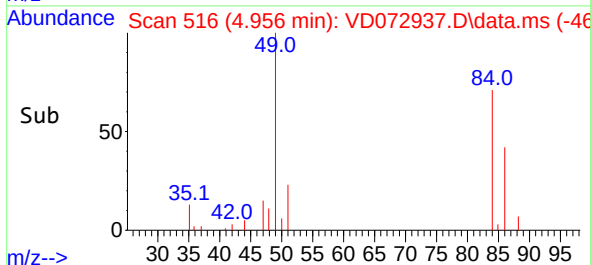
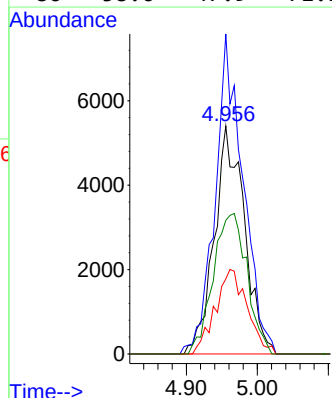
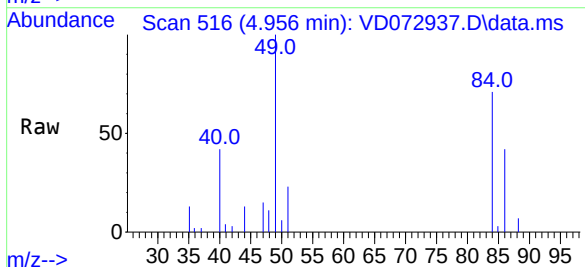
Instrument :
MSVOA_D
ClientSampleId :
TP-5

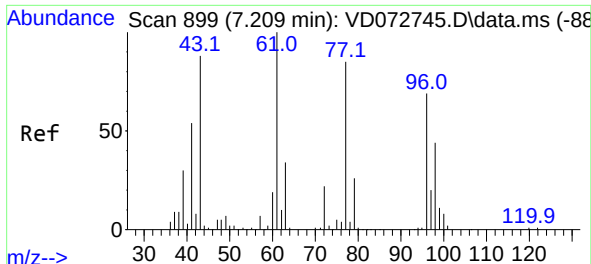
Tgt Ion: 43 Resp: 9136
Ion Ratio Lower Upper
43 100
58 26.3 22.1 33.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD072937.D
Acq: 11 May 2022 18:12

Tgt Ion: 84 Resp: 15874
Ion Ratio Lower Upper
84 100
49 140.3 112.8 169.2
51 32.9 32.6 48.8
86 58.6 47.9 71.9

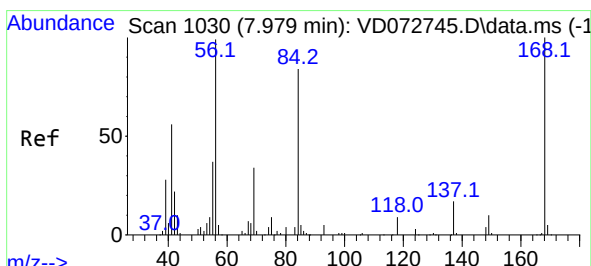
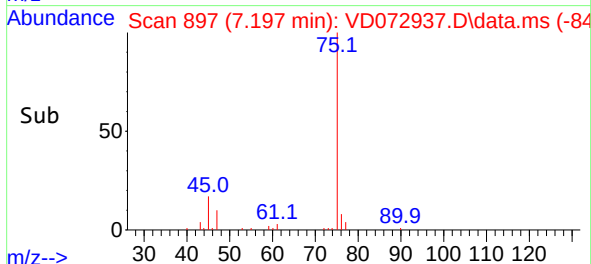
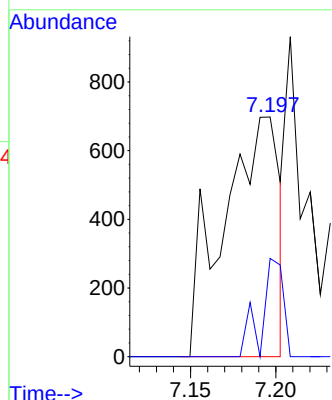
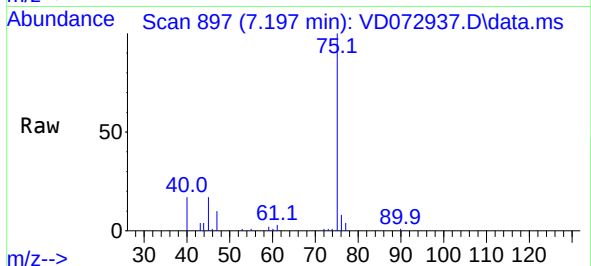




#25
2-Butanone
Concen: 1.120 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.012 min
Lab File: VD072937.D
Acq: 11 May 2022 18:12

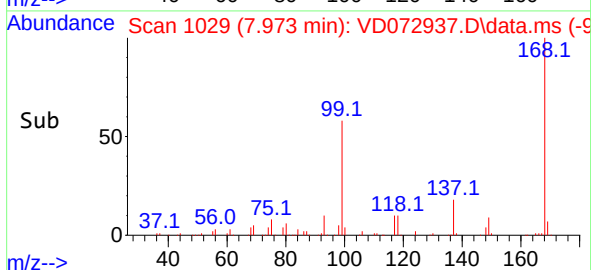
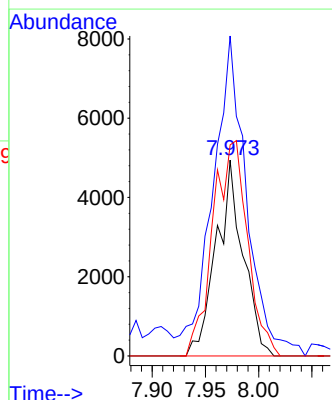
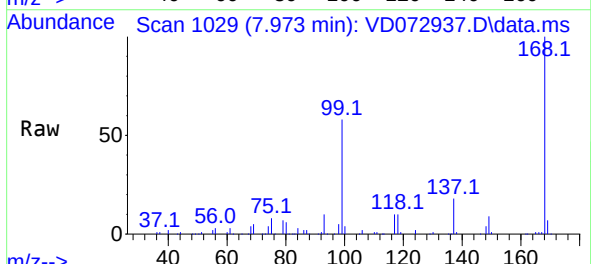
Instrument :
MSVOA_D
ClientSampleId :
TP-5

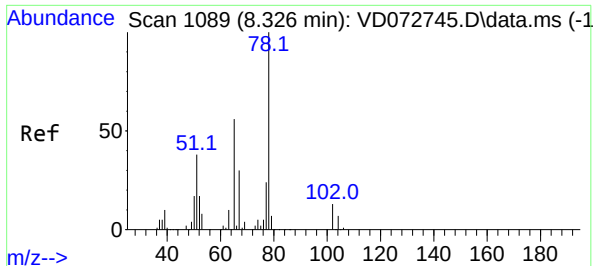
Tgt Ion: 43 Resp: 1589
Ion Ratio Lower Upper
43 100
72 41.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.018 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072937.D
Acq: 11 May 2022 18:12

Tgt Ion: 56 Resp: 8666
Ion Ratio Lower Upper
56 100
69 155.2 25.4 38.2#
84 107.8 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 42.751 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VD072937.D

Acq: 11 May 2022 18:12

Instrument :

MSVOA_D

ClientSampleId :

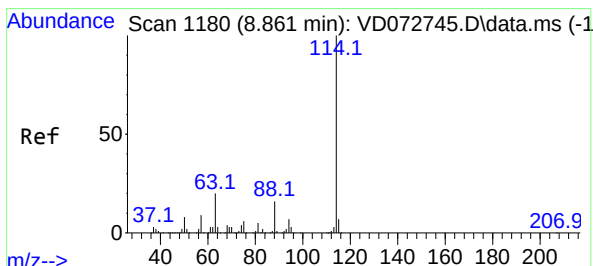
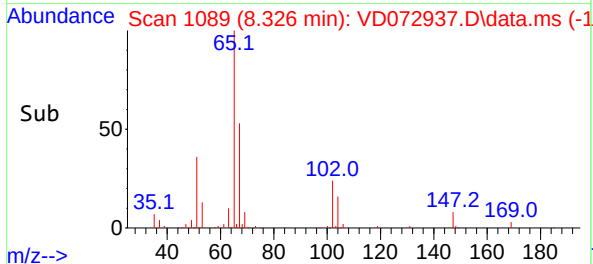
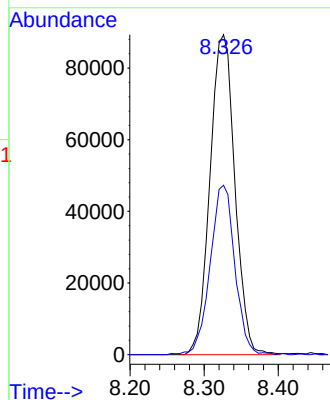
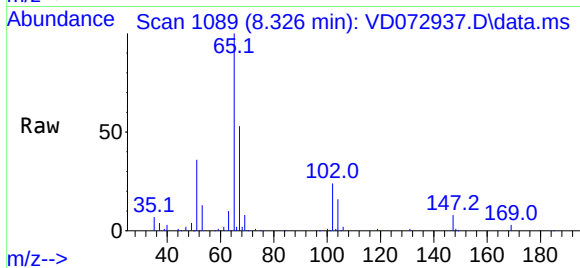
TP-5

Tgt Ion: 65 Resp: 208090

Ion Ratio Lower Upper

65 100

67 52.6 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD072937.D

Acq: 11 May 2022 18:12

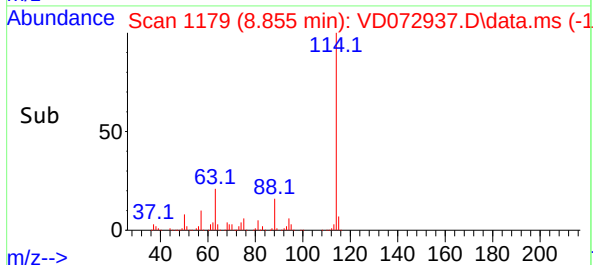
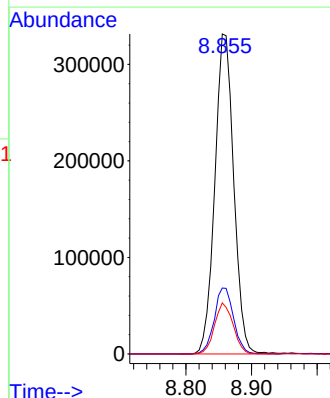
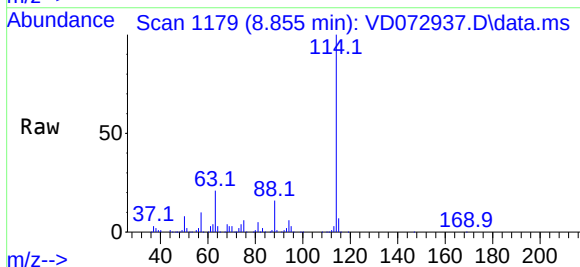
Tgt Ion: 114 Resp: 663239

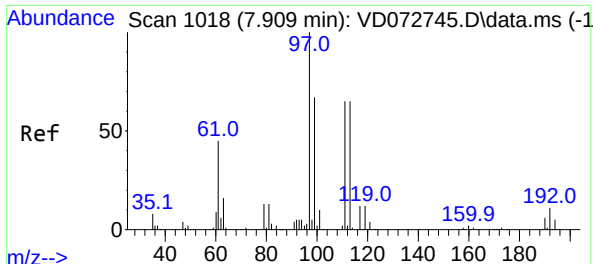
Ion Ratio Lower Upper

114 100

63 20.6 0.0 46.6

88 15.9 0.0 33.2

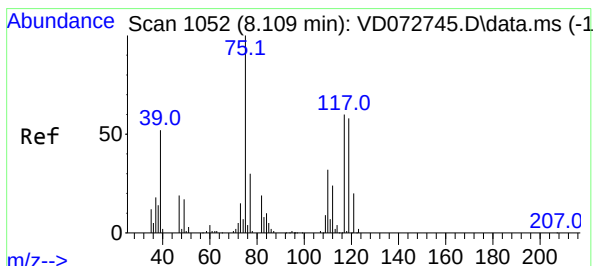
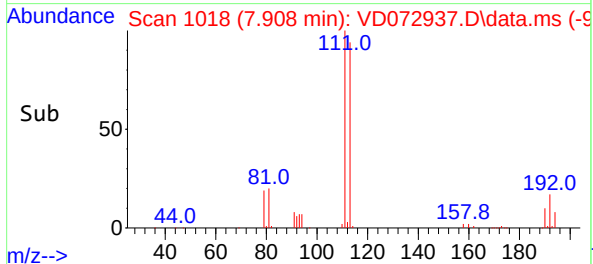
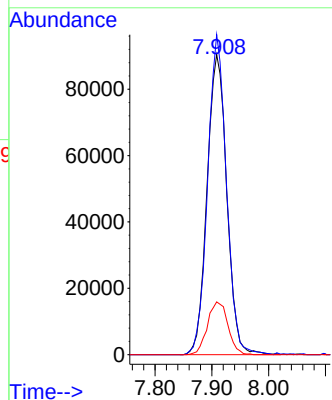
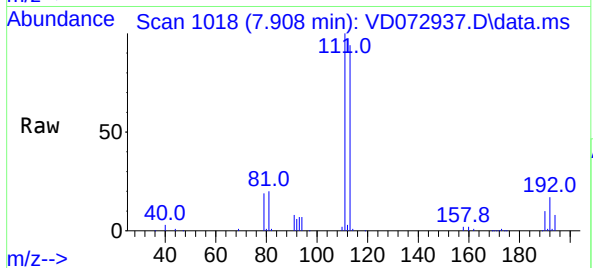




#35
Dibromofluoromethane
Concen: 46.722 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.001 min
Lab File: VD072937.D
Acq: 11 May 2022 18:12

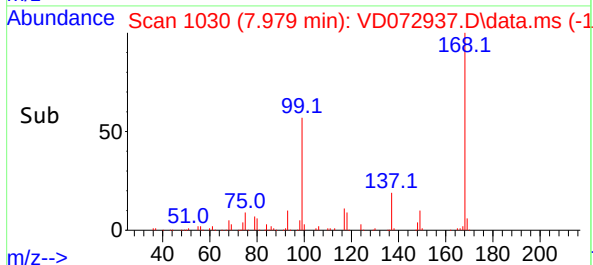
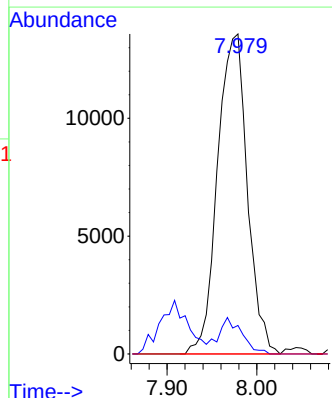
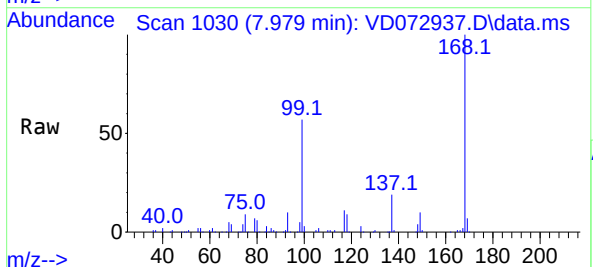
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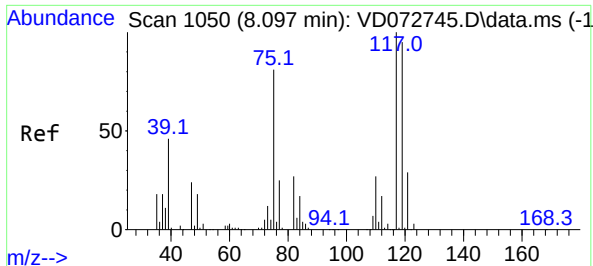
Tgt Ion:113 Resp: 217633
Ion Ratio Lower Upper
113 100
111 101.7 83.8 125.6
192 18.3 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.135 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD072937.D
Acq: 11 May 2022 18:12

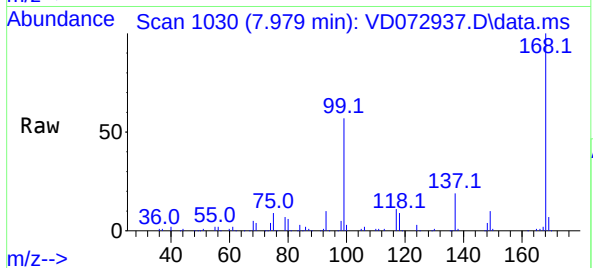
Tgt Ion: 75 Resp: 31316
Ion Ratio Lower Upper
75 100
110 9.0 16.4 49.1#
77 0.0 24.2 36.2#



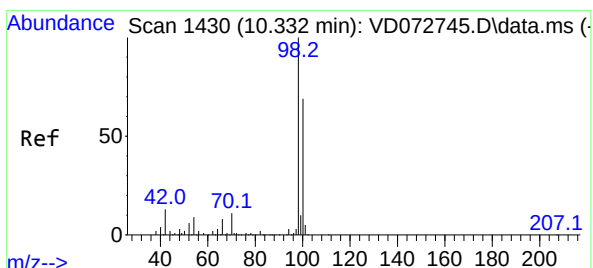
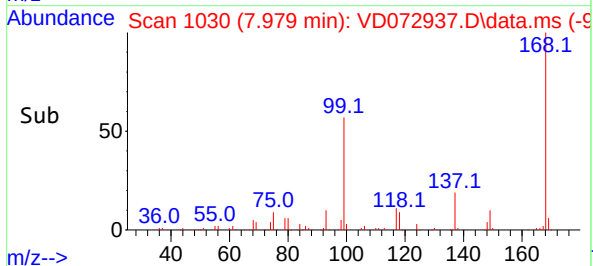
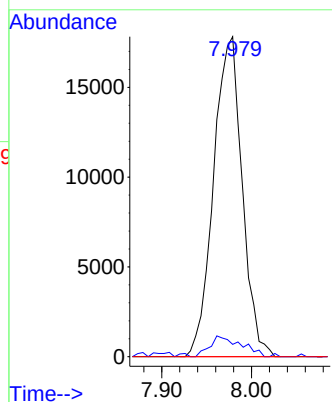


#38
Carbon Tetrachloride
Concen: 5.012 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD072937.D
Acq: 11 May 2022 18:12

Instrument :
MSVOA_D
ClientSampleId :
TP-5

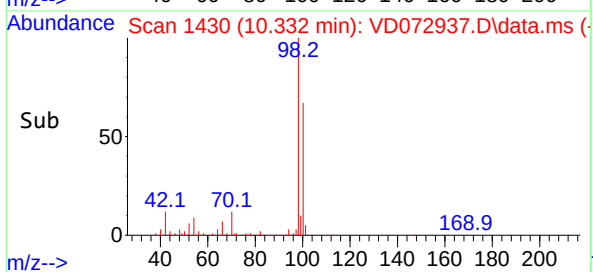
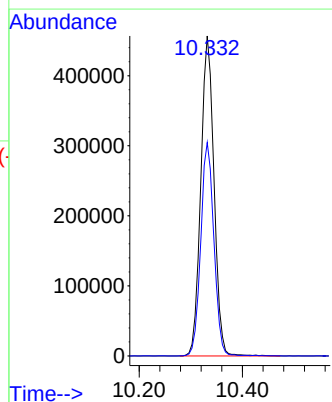
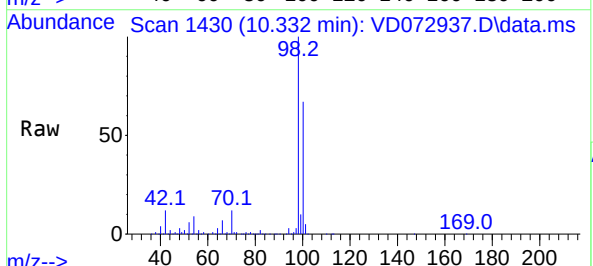


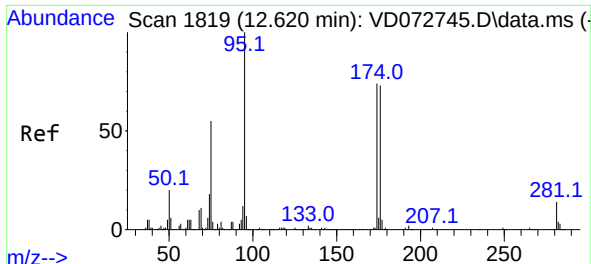
Tgt Ion:117 Resp: 39402
Ion Ratio Lower Upper
117 100
119 3.8 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.400 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072937.D
Acq: 11 May 2022 18:12

Tgt Ion: 98 Resp: 808701
Ion Ratio Lower Upper
98 100
100 66.3 52.4 78.6

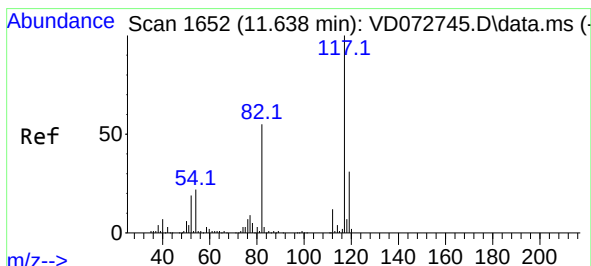
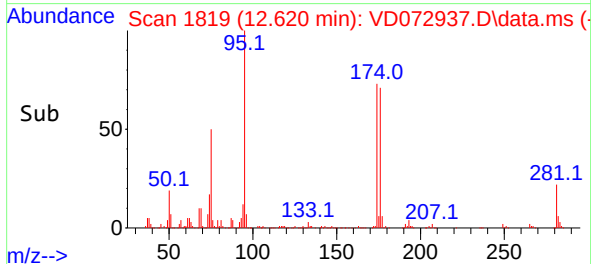
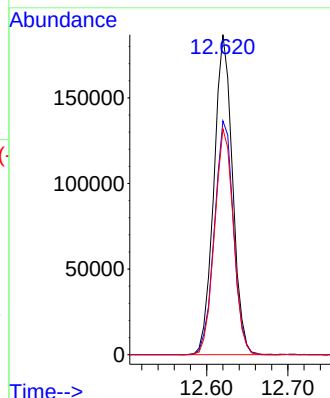
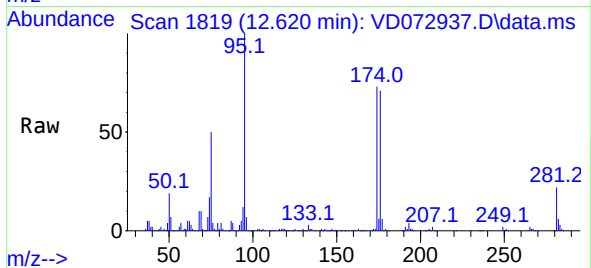




#62
4-Bromofluorobenzene
Concen: 47.824 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072937.D
Acq: 11 May 2022 18:12

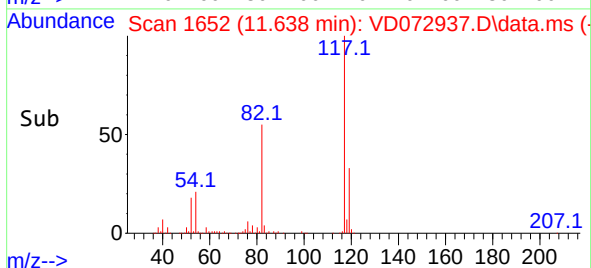
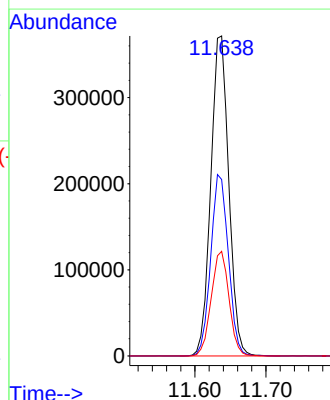
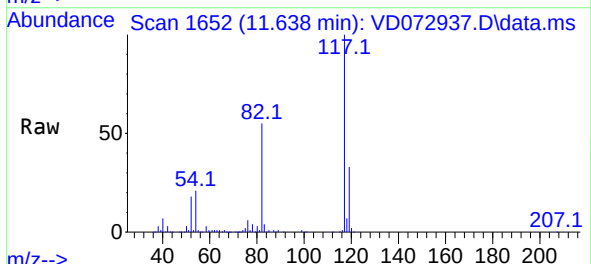
Instrument :
MSVOA_D
ClientSampleId :
TP-5

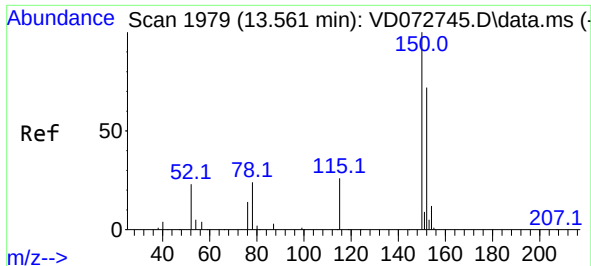
Tgt Ion: 95 Resp: 297952
Ion Ratio Lower Upper
95 100
174 74.7 0.0 152.8
176 71.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072937.D
Acq: 11 May 2022 18:12

Tgt Ion: 117 Resp: 651644
Ion Ratio Lower Upper
117 100
82 55.1 45.3 67.9
119 32.7 26.6 40.0

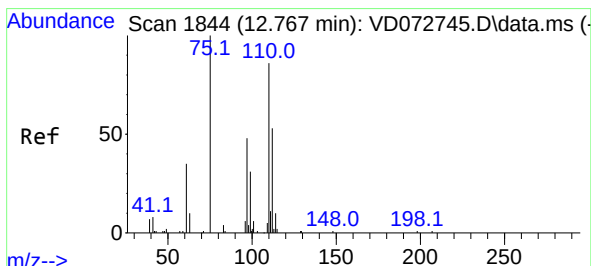
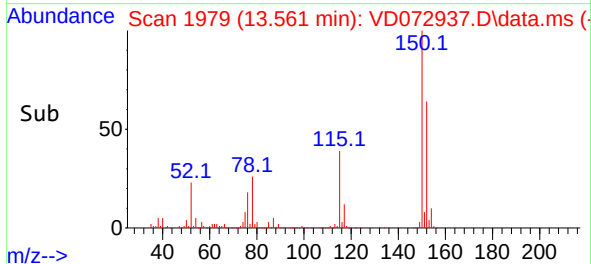
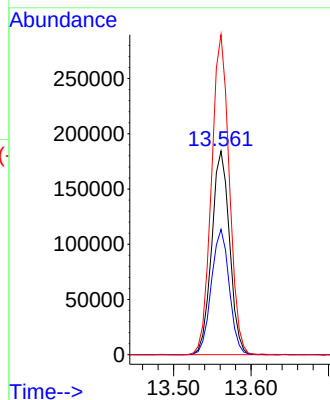
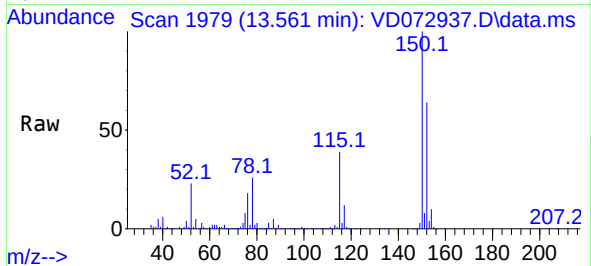




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072937.D
Acq: 11 May 2022 18:12

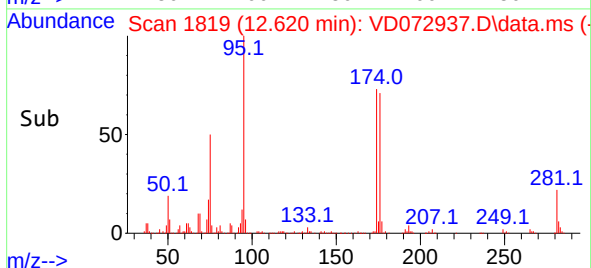
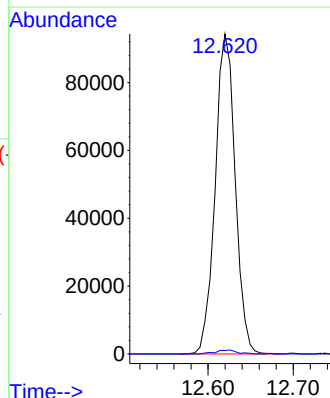
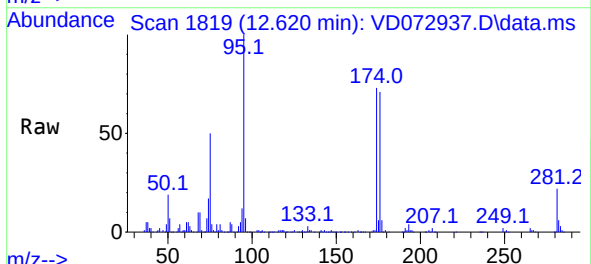
Instrument :
MSVOA_D
ClientSampleId :
TP-5

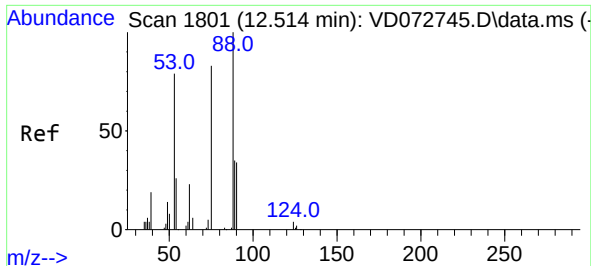
Tgt Ion:152 Resp: 295743
Ion Ratio Lower Upper
152 100
115 61.6 31.3 93.8
150 156.5 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 46.637 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072937.D
Acq: 11 May 2022 18:12

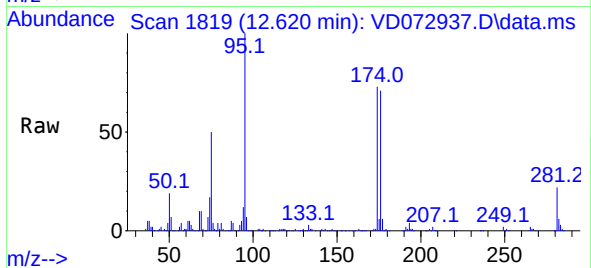
Tgt Ion: 75 Resp: 153795
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 107.245 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD072937.D
 Acq: 11 May 2022 18:12

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-5



Tgt Ion: 75 Resp: 153795
 Ion Ratio Lower Upper
 75 100
 53 0.7 86.5 129.7#
 89 0.6 33.9 50.9#

