

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050721\
 Data File : VD069108.D
 Acq On : 07 May 2021 17:51
 Operator : VA/SY
 Sample : M2309-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-TP1

Quant Time: May 08 00:09:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 04:16:41 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

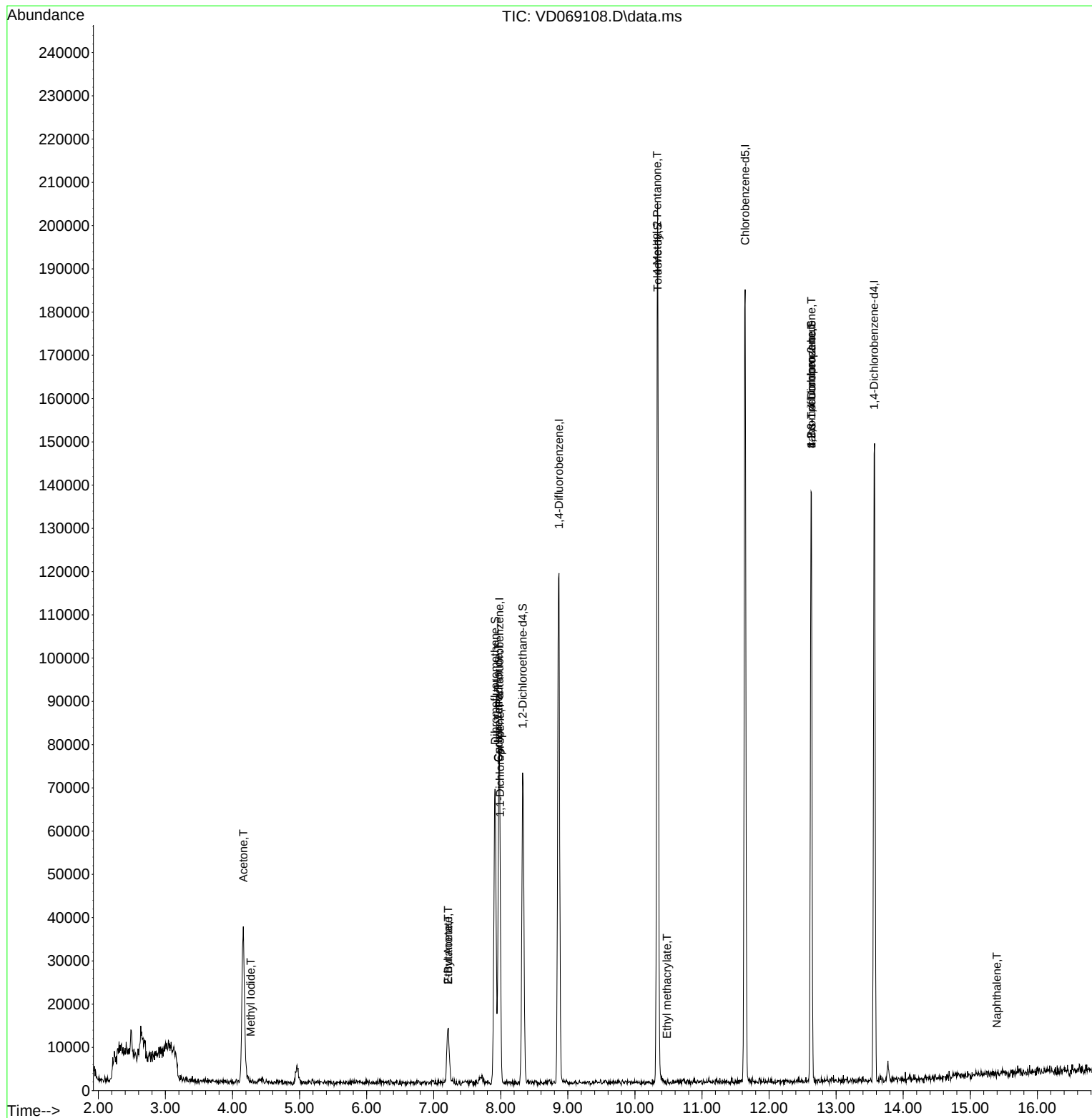
Internal Standards						
1) Pentafluorobenzene	7.979	168	58696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	107455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	111813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	40398	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	56018	74.05	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 148.10%			
35) Dibromofluoromethane	7.914	113	49019	66.52	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 133.04%			
50) Toluene-d8	10.337	98	138314	50.84	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.68%			
62) 4-Bromofluorobenzene	12.631	95	41110	45.94	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 91.88%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.273	142	68	3.27	ug/l #	35
11) Tert butyl alcohol	5.202	59	56	Below Cal	#	81
16) Acetone	4.161	43	59254	591.64	ug/l	89
20) Methylene Chloride	4.967	84	2931	Below Cal	#	67
25) 2-Butanone	7.214	43	19329	119.52	ug/l	96
31) Cyclohexane	7.967	56	1417	1.29	ug/l #	62
36) 1,1-Dichloropropene	7.991	75	4679	4.14	ug/l #	42
37) Ethyl Acetate	7.214	43	19329	45.35	ug/l #	69
38) Carbon Tetrachloride	7.967	117	2839	2.32	ug/l #	13
51) 4-Methyl-2-Pentanone	10.332	43	449	1.10	ug/l #	1
56) Ethyl methacrylate	10.479	69	58	2.45	ug/l #	1
76) 1,2,3-Trichloropropane	12.631	75	20742	58.98	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.631	75	20742	128.34	ug/l #	9
95) Naphthalene	15.396	128	259	3.01	ug/l #	69

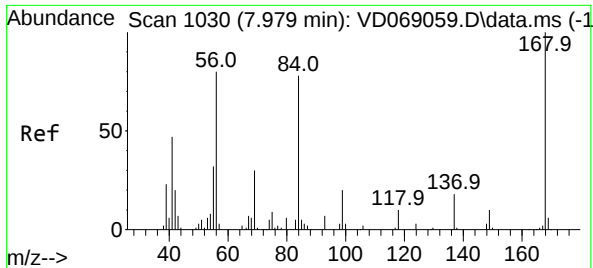
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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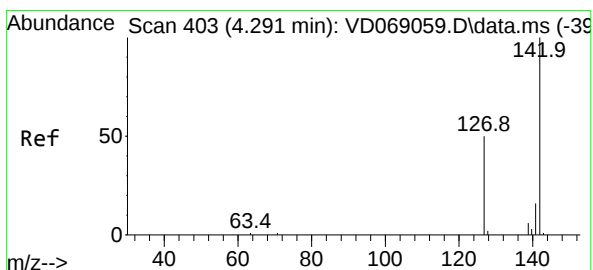
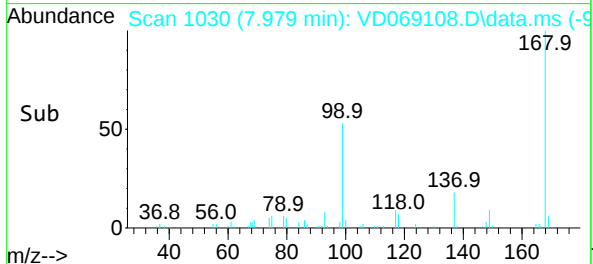
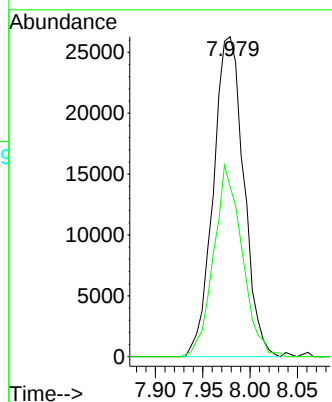
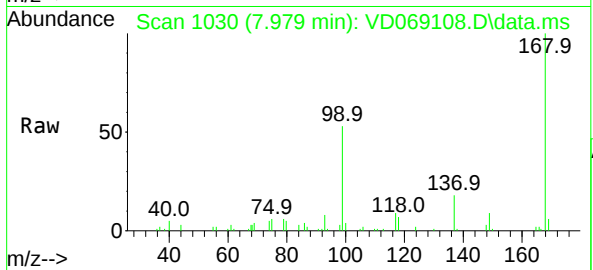




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069108.D
Acq: 07 May 2021 17:51

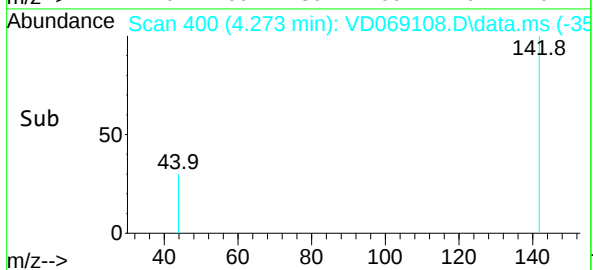
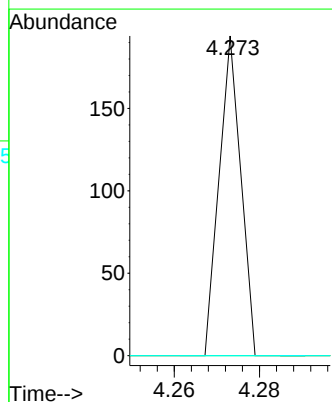
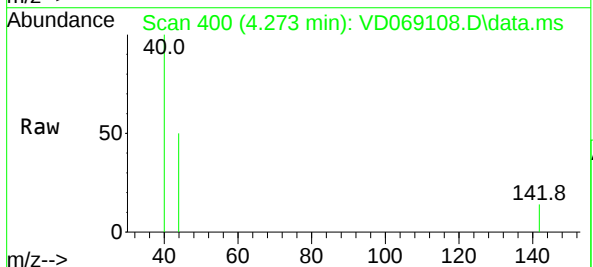
Instrument :
MSVOA_D
ClientSampleId :
MH-TP1

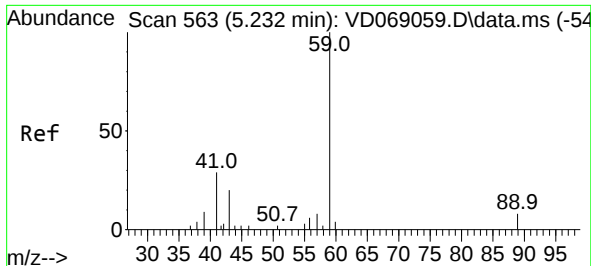
Tgt Ion:168 Resp: 58696
Ion Ratio Lower Upper
168 100
99 53.1 52.6 78.8



#10
Methyl Iodide
Concen: 3.27 ug/l
RT: 4.273 min Scan# 400
Delta R.T. -0.018 min
Lab File: VD069108.D
Acq: 07 May 2021 17:51

Tgt Ion:142 Resp: 68
Ion Ratio Lower Upper
142 100
127 0.0 41.6 62.4#
141 0.0 12.2 18.4#

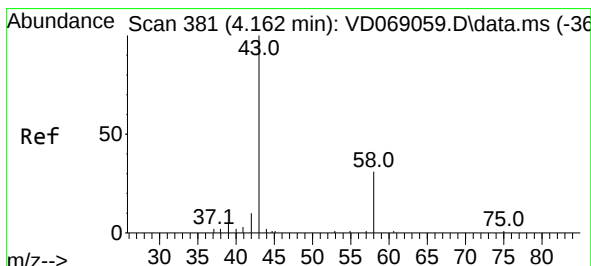
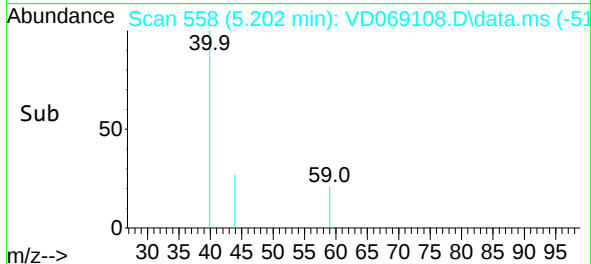
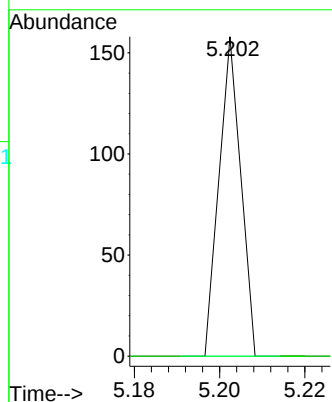
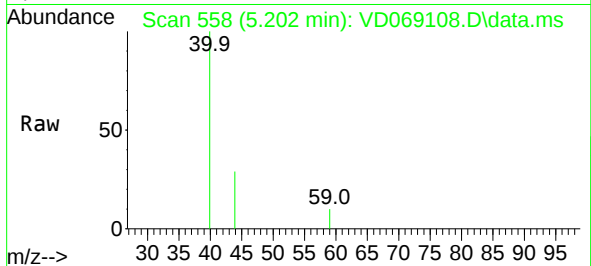




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.202 min Scan# 558
Delta R.T. -0.030 min
Lab File: VD069108.D
Acq: 07 May 2021 17:51

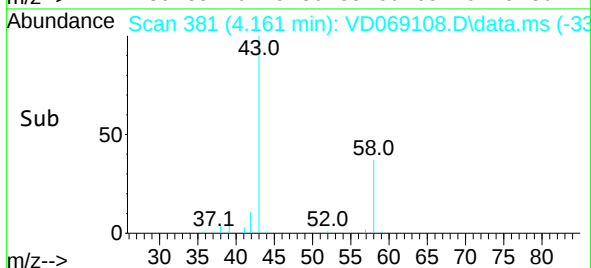
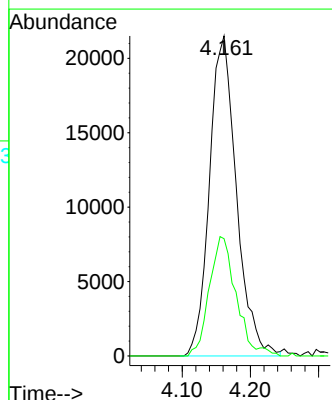
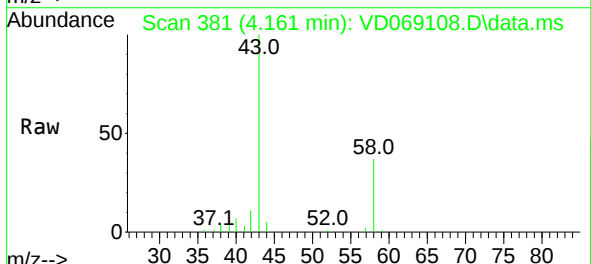
Instrument :
MSVOA_D
ClientSampleId :
MH-TP1

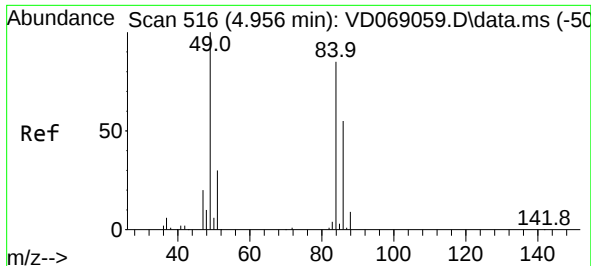
Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 5.3 7.9#



#16
Acetone
Concen: 591.64 ug/l
RT: 4.161 min Scan# 381
Delta R.T. -0.001 min
Lab File: VD069108.D
Acq: 07 May 2021 17:51

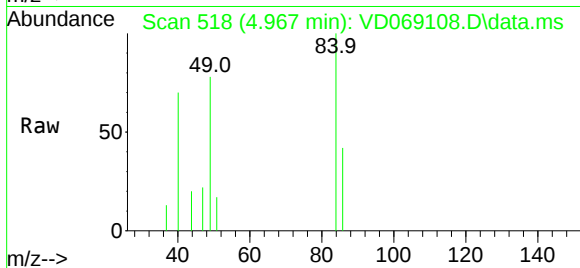
Tgt Ion: 43 Resp: 59254
Ion Ratio Lower Upper
43 100
58 36.7 24.5 36.7



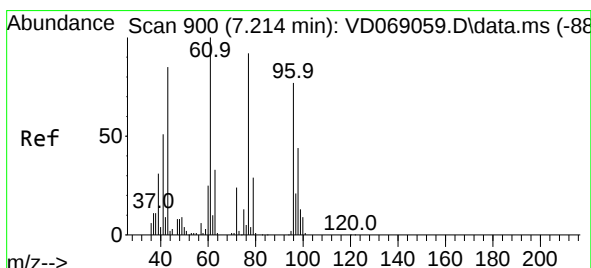
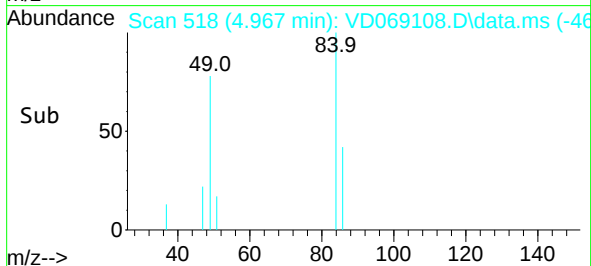
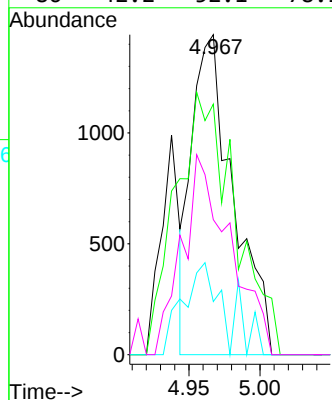


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.011 min
Lab File: VD069108.D
Acq: 07 May 2021 17:51

Instrument :
MSVOA_D
ClientSampleId :
MH-TP1

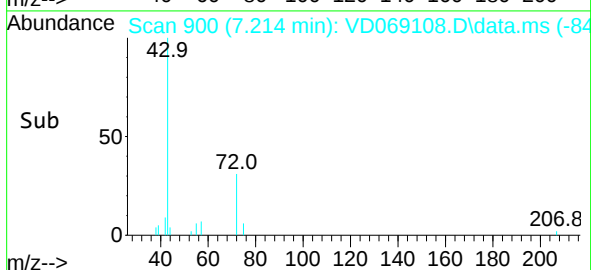
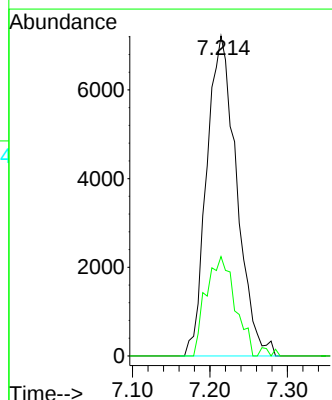
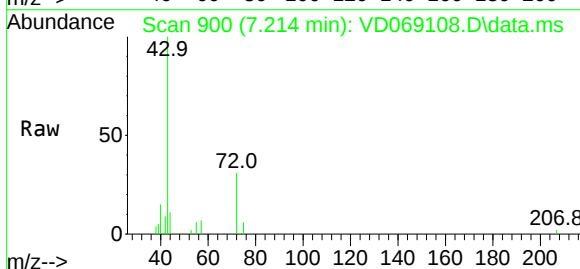


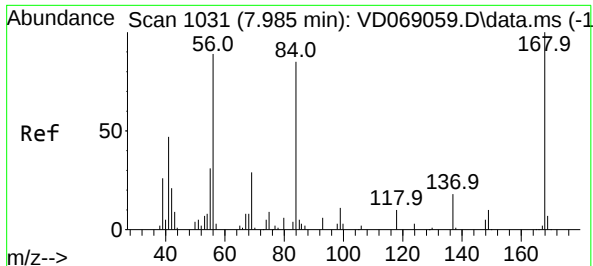
Tgt Ion:	84	Resp:	2931
Ion	Ratio	Lower	Upper
84	100		
49	78.3	93.9	140.9#
51	16.6	27.9	41.9#
86	42.2	52.1	78.1#



#25
2-Butanone
Concen: 119.52 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.000 min
Lab File: VD069108.D
Acq: 07 May 2021 17:51

Tgt Ion:	43	Resp:	19329
Ion	Ratio	Lower	Upper
43	100		
72	31.0	23.0	34.4

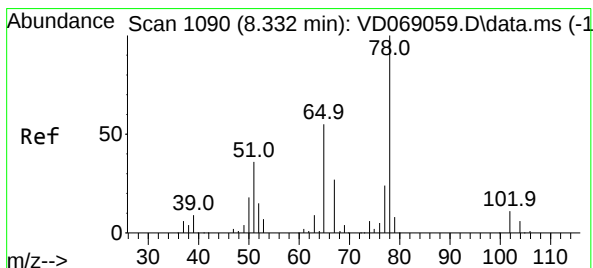
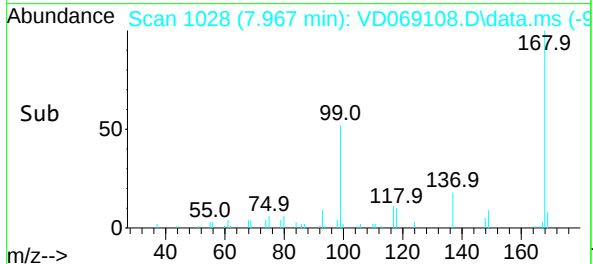
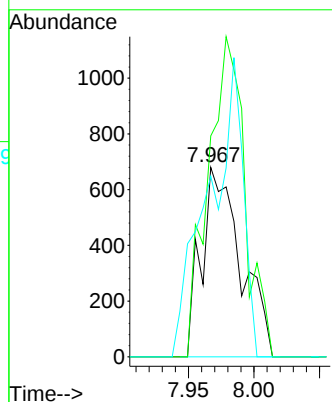
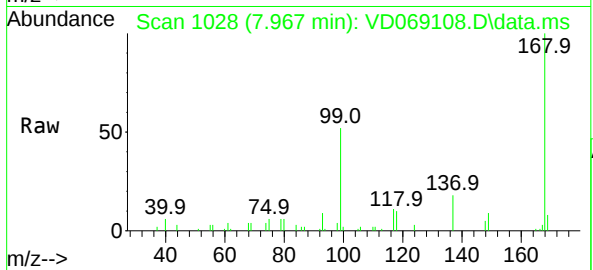




#31
Cyclohexane
Concen: 1.29 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD069108.D
Acq: 07 May 2021 17:51

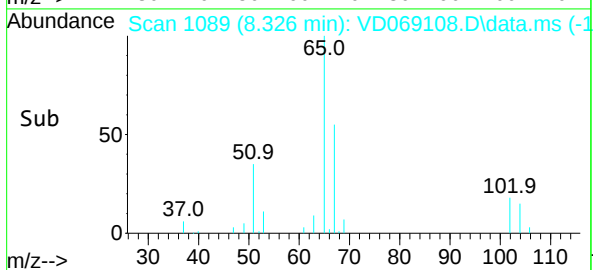
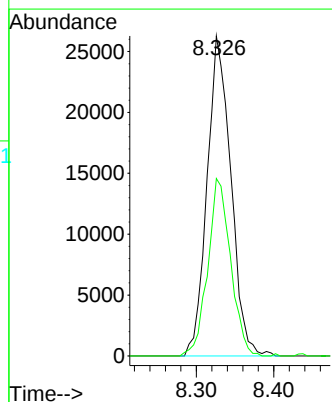
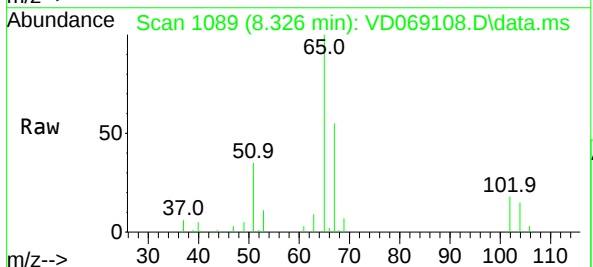
Instrument :
MSVOA_D
ClientSampleId :
MH-TP1

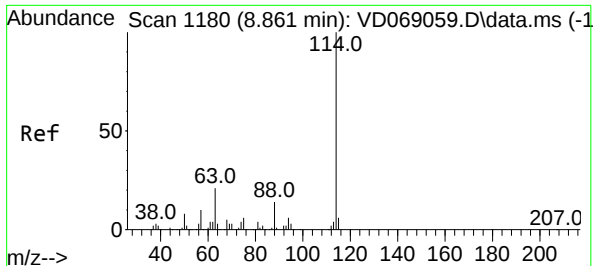
Tgt Ion: 56 Resp: 1417
Ion Ratio Lower Upper
56 100
69 116.6 26.3 39.5#
84 95.3 75.9 113.9



#33
1,2-Dichloroethane-d4
Concen: 74.05 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069108.D
Acq: 07 May 2021 17:51

Tgt Ion: 65 Resp: 56018
Ion Ratio Lower Upper
65 100
67 53.2 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VD069108.D

Acq: 07 May 2021 17:51

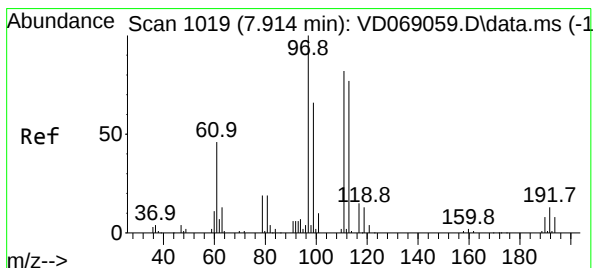
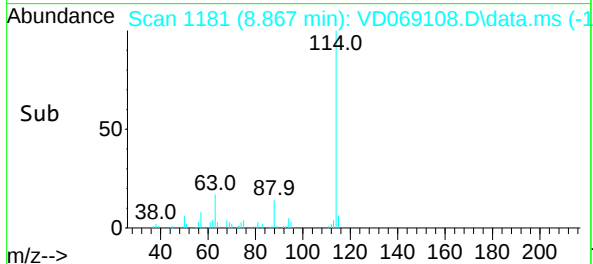
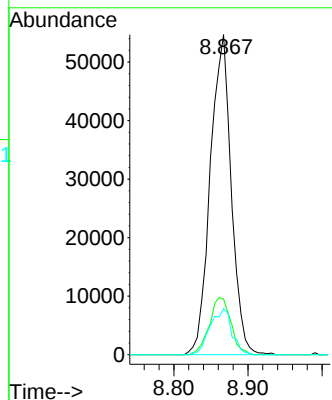
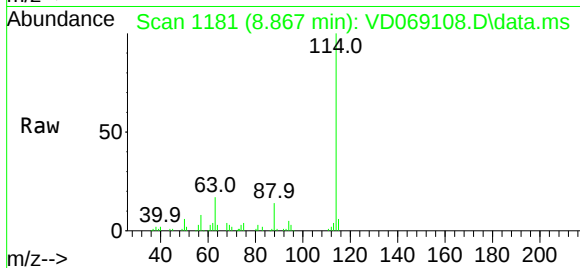
Instrument :

MSVOA_D

ClientSampleId :

MH-TP1

Tgt Ion:114	Resp:	107455
Ion Ratio	Lower	Upper
114	100	
63	17.4	0.0 41.4
88	14.3	0.0 27.8



#35

Dibromofluoromethane

Concen: 66.52 ug/l

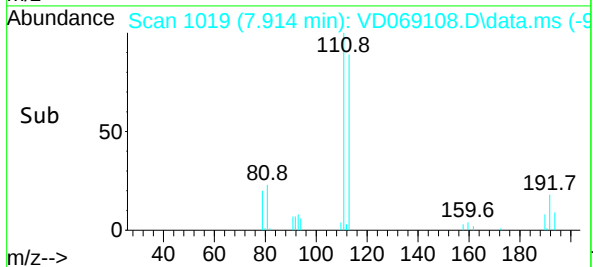
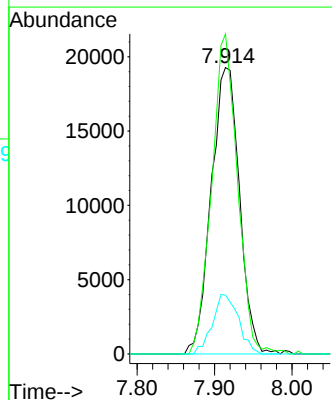
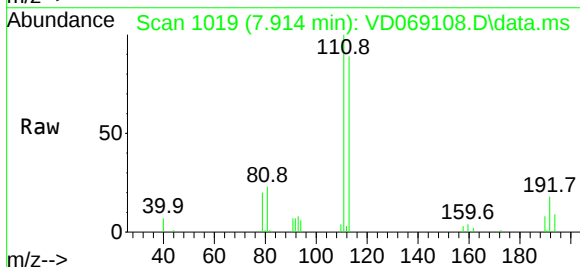
RT: 7.914 min Scan# 1019

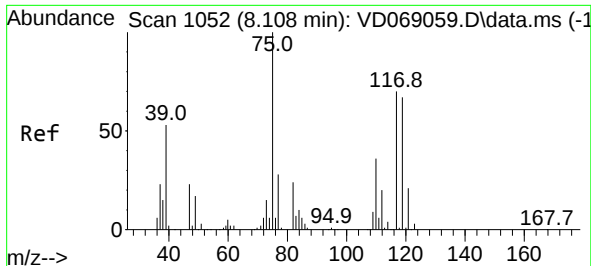
Delta R.T. -0.000 min

Lab File: VD069108.D

Acq: 07 May 2021 17:51

Tgt Ion:113	Resp:	49019
Ion Ratio	Lower	Upper
113	100	
111	101.7	84.6 126.8
192	19.1	13.5 20.3

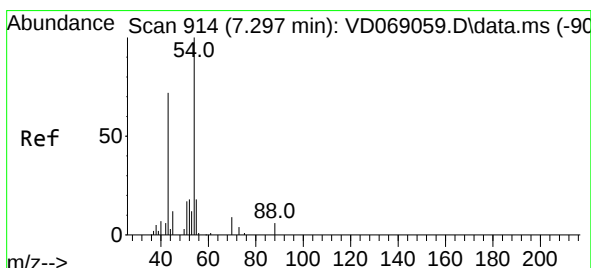
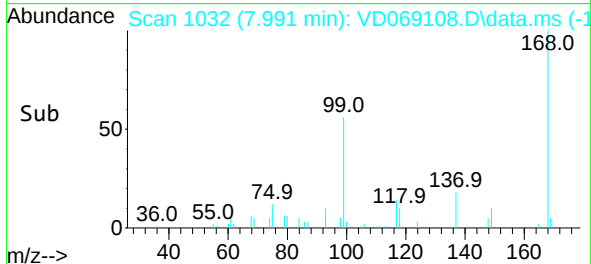
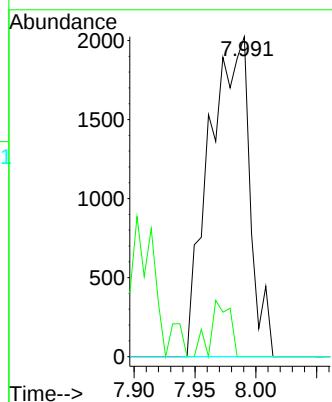
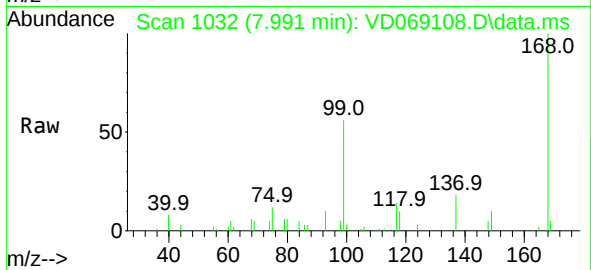




#36
1,1-Dichloropropene
Concen: 4.14 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. -0.118 min
Lab File: VD069108.D
Acq: 07 May 2021 17:51

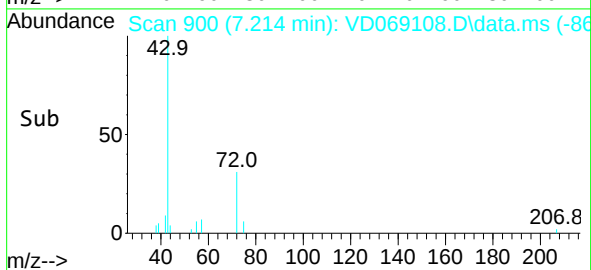
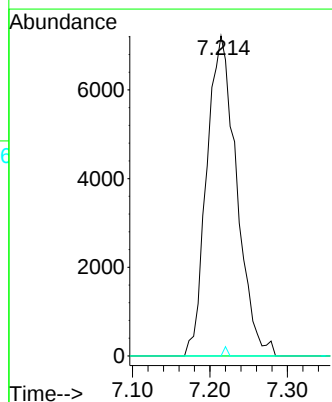
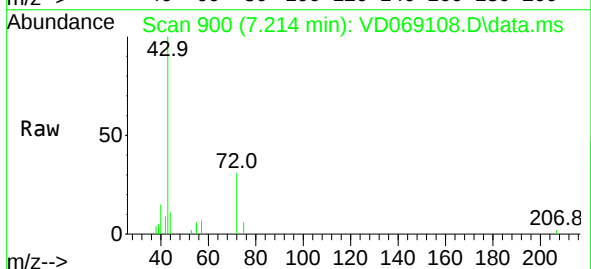
Instrument :
MSVOA_D
ClientSampled :
MH-TP1

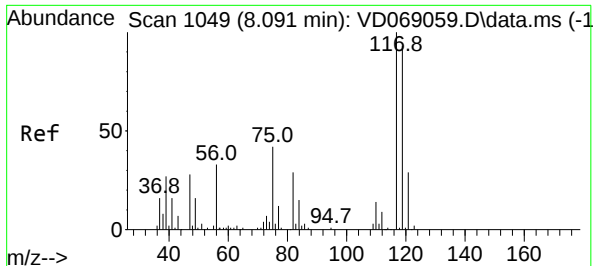
Tgt Ion: 75 Resp: 4679
Ion Ratio Lower Upper
75 100
110 0.0 17.3 51.7#
77 0.0 23.9 35.9#



#37
Ethyl Acetate
Concen: 45.35 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.083 min
Lab File: VD069108.D
Acq: 07 May 2021 17:51

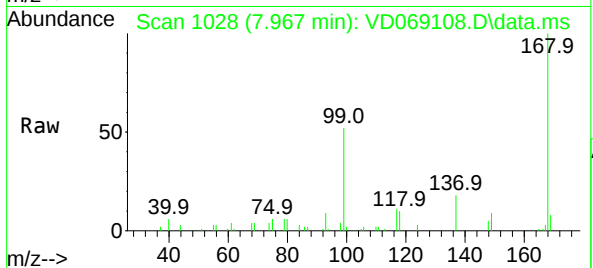
Tgt Ion: 43 Resp: 19329
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.4#
70 0.4 8.5 12.7#



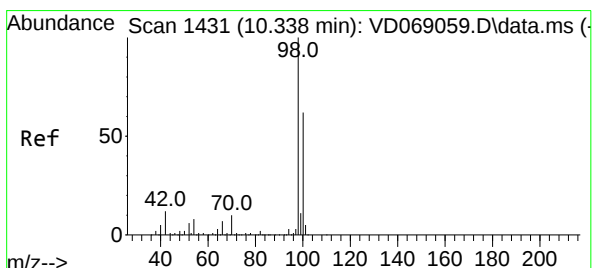
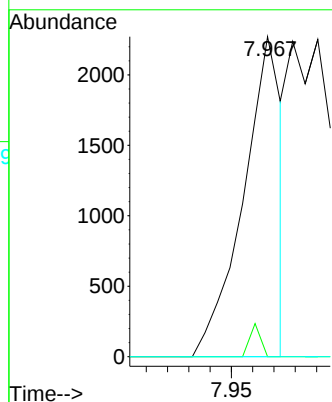
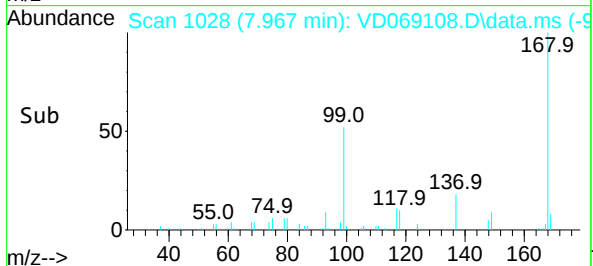


#38
Carbon Tetrachloride
Concen: 2.32 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD069108.D
Acq: 07 May 2021 17:51

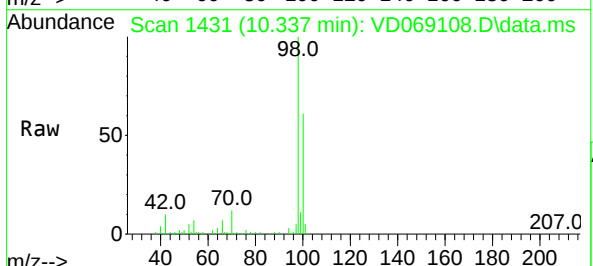
Instrument :
MSVOA_D
ClientSampled :
MH-TP1



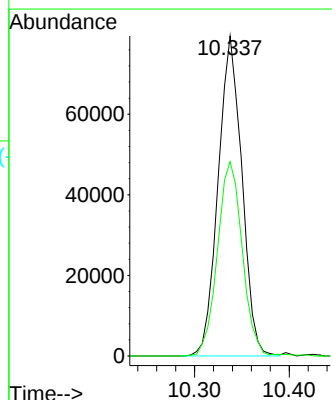
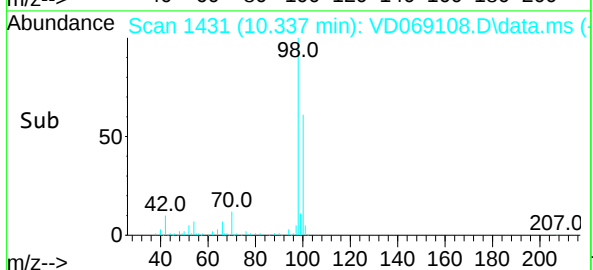
Tgt Ion:117 Resp: 2839
Ion Ratio Lower Upper
117 100
119 0.0 74.7 112.1#
121 0.0 23.1 34.7#

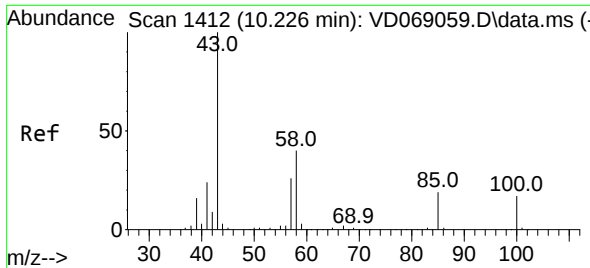


#50
Toluene-d8
Concen: 50.84 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069108.D
Acq: 07 May 2021 17:51



Tgt Ion: 98 Resp: 138314
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4

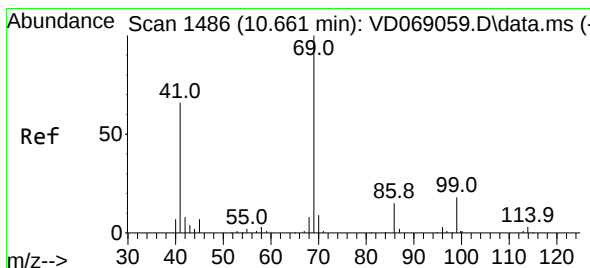
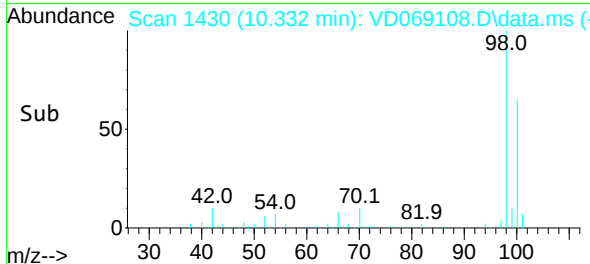
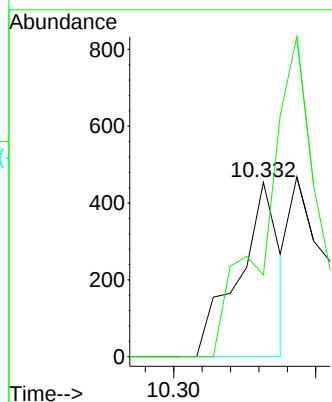
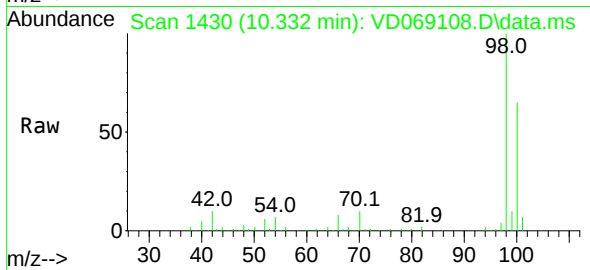




#51
4-Methyl-2-Pentanone
Concen: 1.10 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD069108.D
Acq: 07 May 2021 17:51

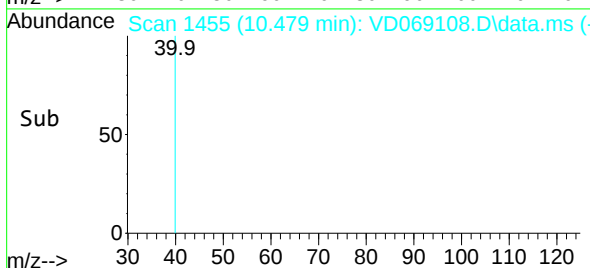
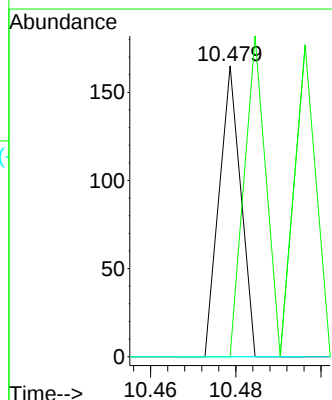
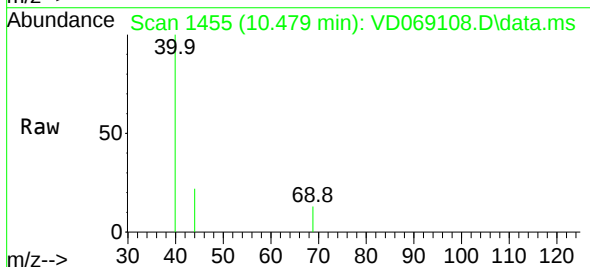
Instrument :
MSVOA_D
ClientSampled :
MH-TP1

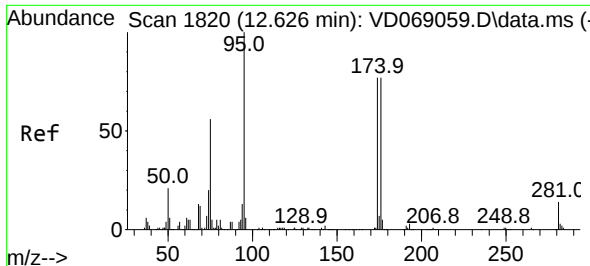
Tgt Ion: 43 Resp: 449
Ion Ratio Lower Upper
43 100
58 223.4 32.7 49.1#



#56
Ethyl methacrylate
Concen: 2.45 ug/l
RT: 10.479 min Scan# 1455
Delta R.T. -0.182 min
Lab File: VD069108.D
Acq: 07 May 2021 17:51

Tgt Ion: 69 Resp: 58
Ion Ratio Lower Upper
69 100
41 219.0 49.2 73.8#
39 0.0 29.8 44.6#

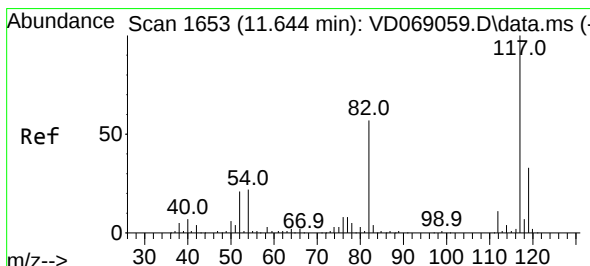
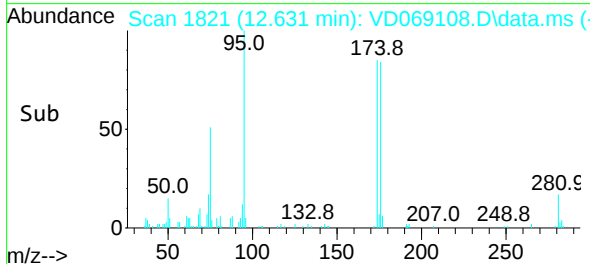
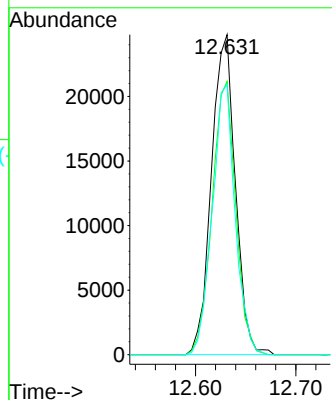
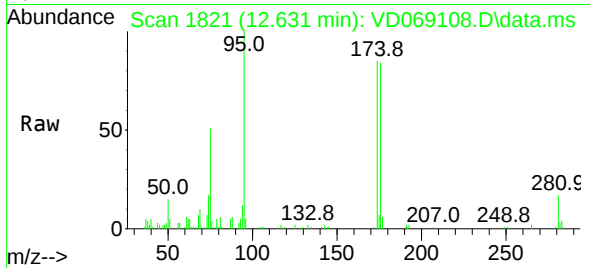




#62
4-Bromofluorobenzene
Concen: 45.94 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD069108.D
Acq: 07 May 2021 17:51

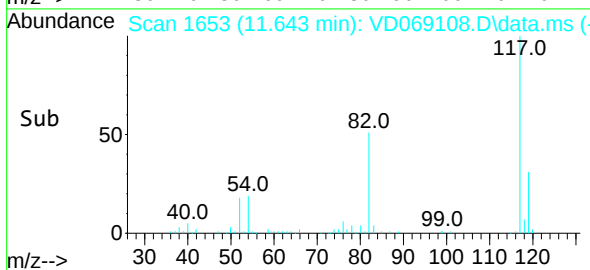
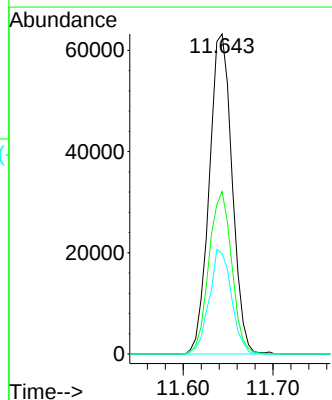
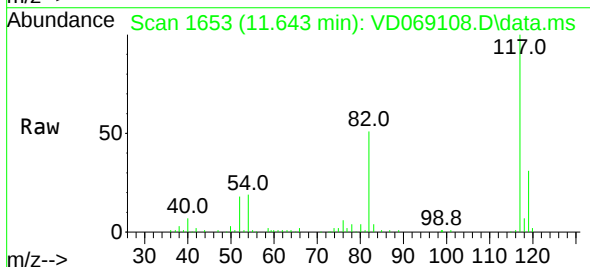
Instrument :
MSVOA_D
ClientSampleId :
MH-TP1

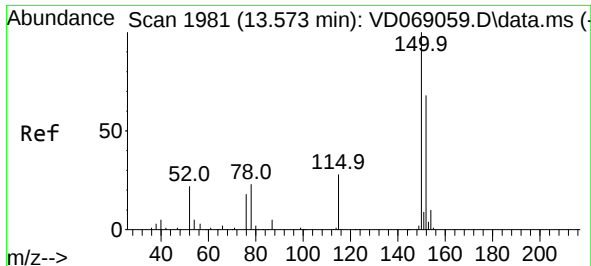
Tgt Ion: 95 Resp: 41110
Ion Ratio Lower Upper
95 100
174 84.3 0.0 156.0
176 80.8 0.0 149.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069108.D
Acq: 07 May 2021 17:51

Tgt Ion: 117 Resp: 111813
Ion Ratio Lower Upper
117 100
82 50.8 45.4 68.2
119 31.4 26.8 40.2

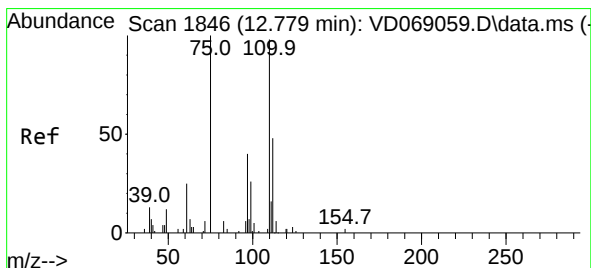
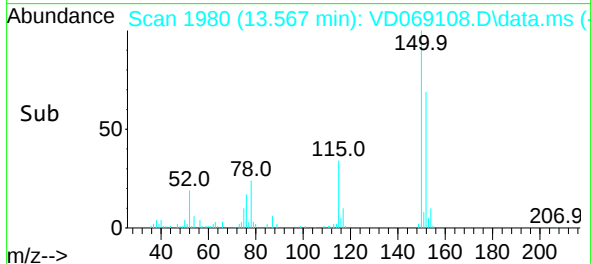
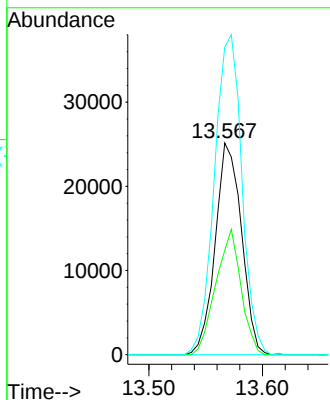
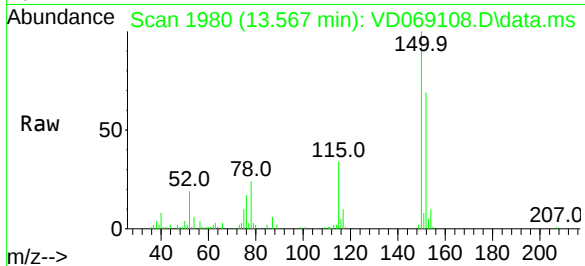




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.006 min
 Lab File: VD069108.D
 Acq: 07 May 2021 17:51

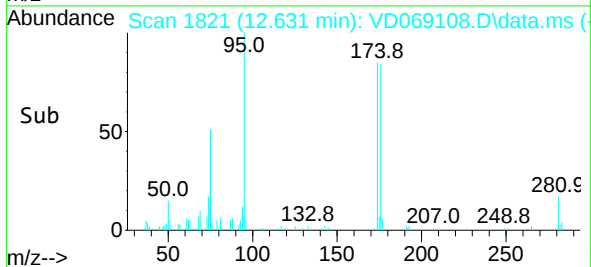
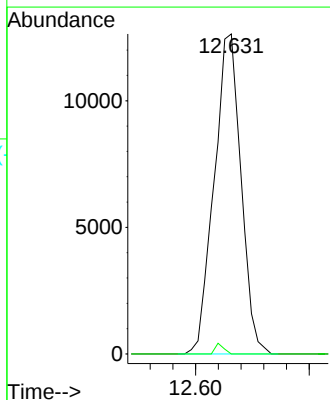
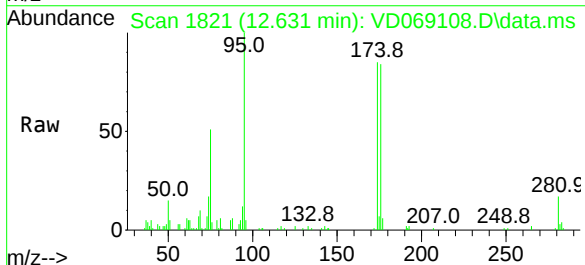
Instrument :
 MSVOA_D
 ClientSampleId :
 MH-TP1

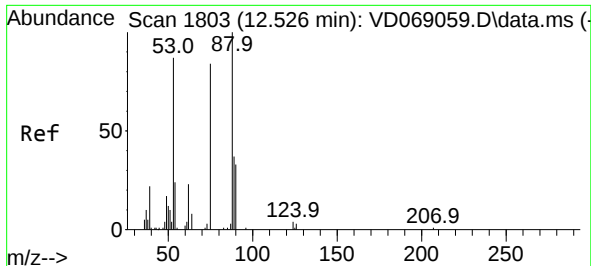
Tgt Ion:152 Resp: 40398
 Ion Ratio Lower Upper
 152 100
 115 56.6 30.5 91.5
 150 158.2 0.0 340.8



#76
 1,2,3-Trichloropropane
 Concen: 58.98 ug/l
 RT: 12.631 min Scan# 1821
 Delta R.T. -0.147 min
 Lab File: VD069108.D
 Acq: 07 May 2021 17:51

Tgt Ion: 75 Resp: 20742
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

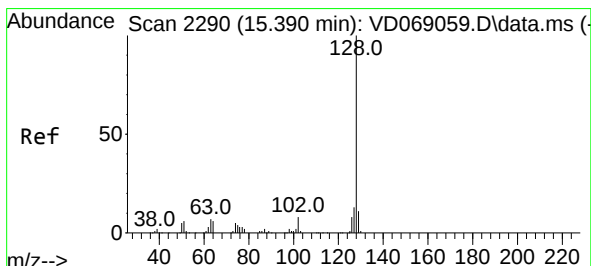
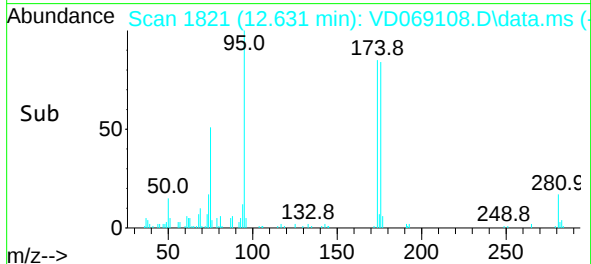
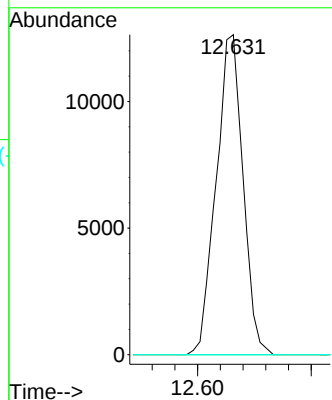
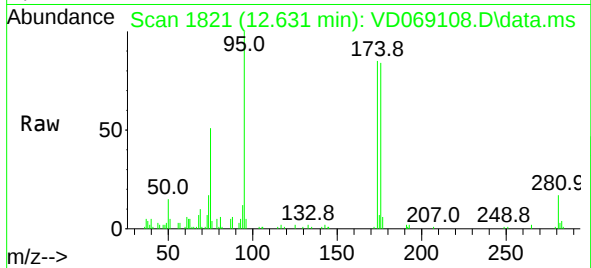




#81
trans-1,4-Dichloro-2-butene
Concen: 128.34 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD069108.D
Acq: 07 May 2021 17:51

Instrument :
MSVOA_D
ClientSampleId :
MH-TP1

Tgt Ion: 75 Resp: 20742
Ion Ratio Lower Upper
75 100
53 0.0 80.4 120.6#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 3.01 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069108.D
Acq: 07 May 2021 17:51

Tgt Ion:128 Resp: 259
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.5 12.7#

