

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062521\
 Data File : VD069577.D
 Acq On : 25 Jun 2021 20:32
 Operator : VA/SY
 Sample : M2857-13
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-17-9.5-10.0

Quant Time: Jun 26 03:42:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

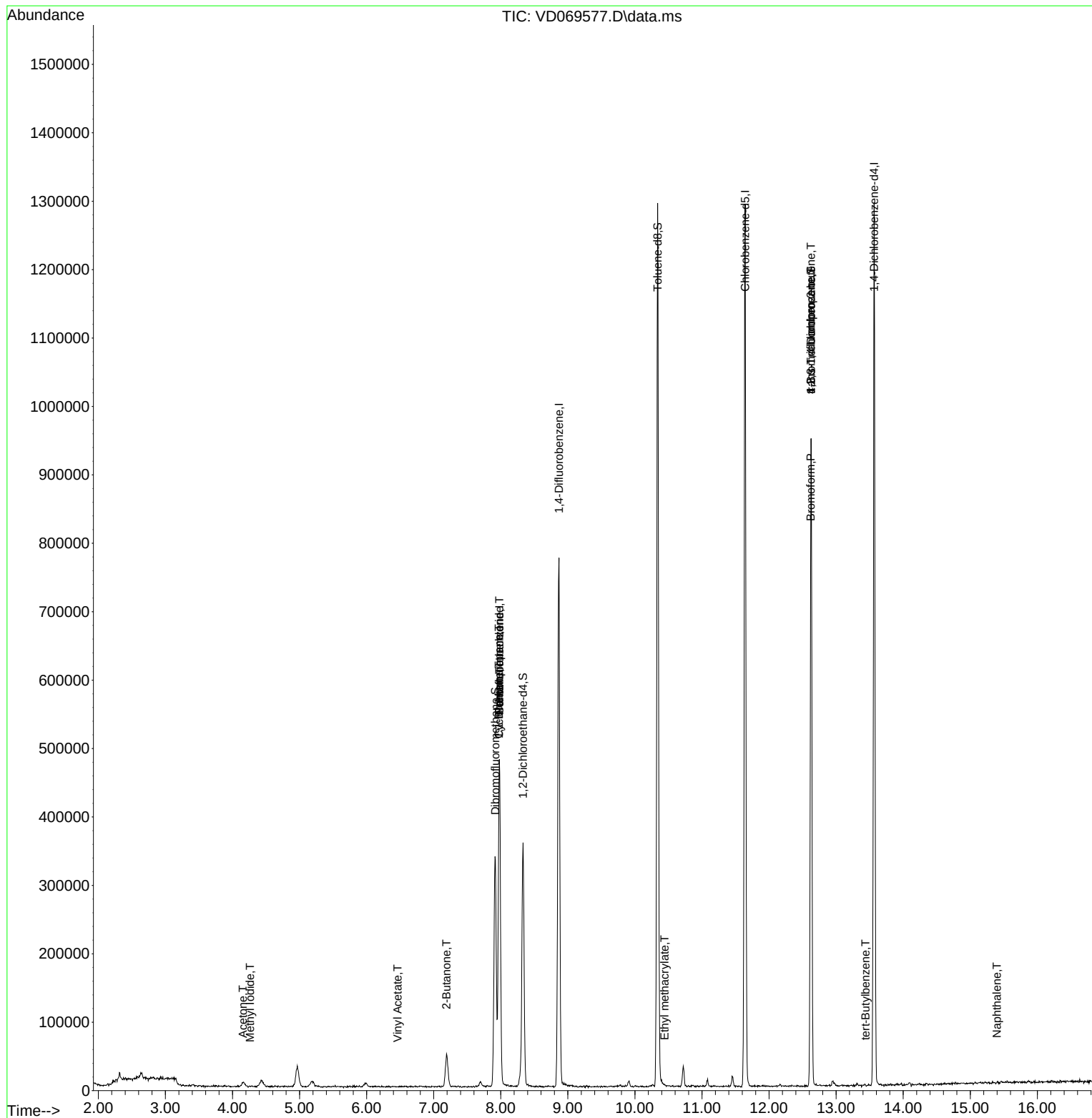
Internal Standards						
1) Pentafluorobenzene	7.979	168	336804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	658326	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	732944	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	325453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	288769	68.784	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 137.560%			
35) Dibromofluoromethane	7.920	113	251352	56.482	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.960%			
50) Toluene-d8	10.338	98	866639	51.919	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.840%			
62) 4-Bromofluorobenzene	12.626	95	317785	57.909	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 115.820%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.791	94	751	Below Cal	#	39
10) Methyl Iodide	4.262	142	60	3.956	ug/l #	39
11) Tert butyl alcohol	5.173	59	8021	Below Cal	#	83
16) Acetone	4.156	43	10523	14.892	ug/l #	86
18) Methyl Acetate	4.714	43	210	Below Cal	#	49
20) Methylene Chloride	4.967	84	22404	Below Cal		94
23) Vinyl Acetate	6.461	43	55	19.019	ug/l #	70
25) 2-Butanone	7.191	43	2822	3.143	ug/l #	44
31) Cyclohexane	7.973	56	9213	1.630	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	30979	4.795	ug/l #	49
38) Carbon Tetrachloride	7.979	117	37312	5.835	ug/l #	18
56) Ethyl methacrylate	10.444	69	55	2.594	ug/l #	1
71) Bromoform	12.620	173	3346	1.246	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	163571	51.200	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	163571	127.840	ug/l #	12
83) tert-Butylbenzene	13.438	119	59	1.996	ug/l #	27
95) Naphthalene	15.396	128	93	3.363	ug/l #	69

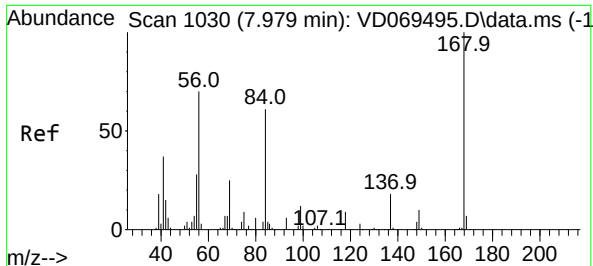
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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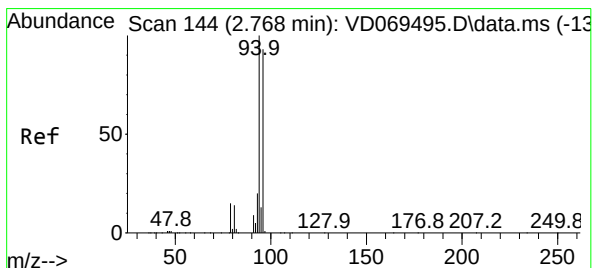
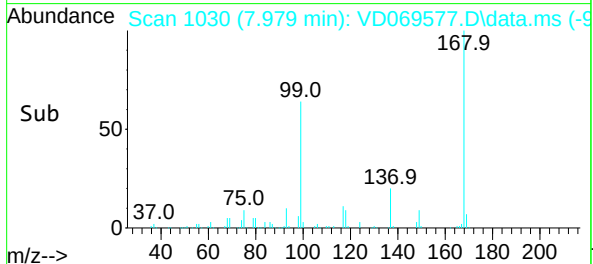
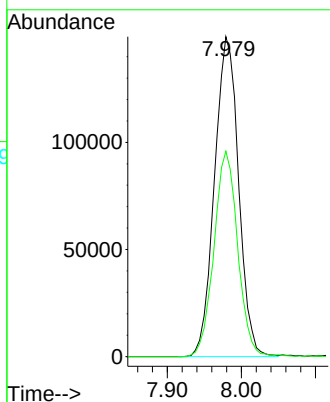
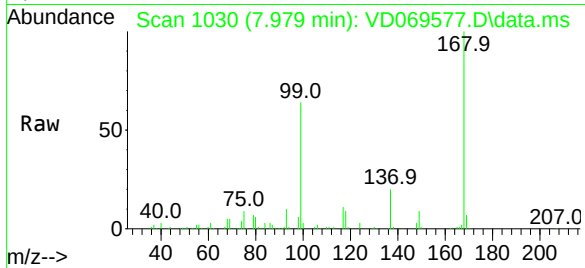




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069577.D
Acq: 25 Jun 2021 20:32

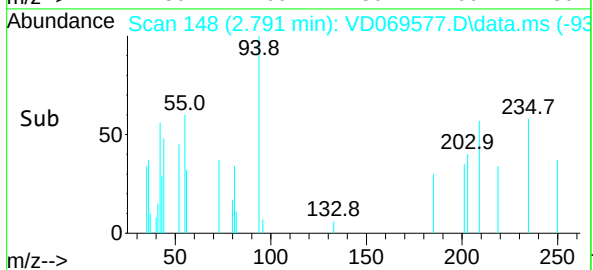
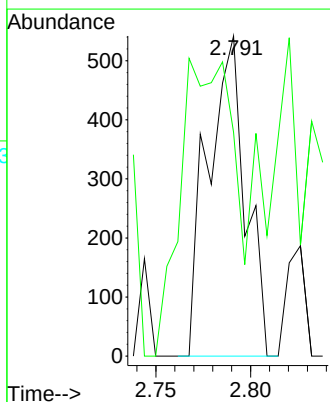
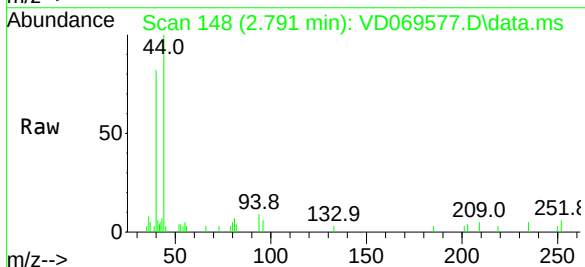
Instrument :
MSVOA_D
ClientSampleId :
SB-17-9.5-10.0

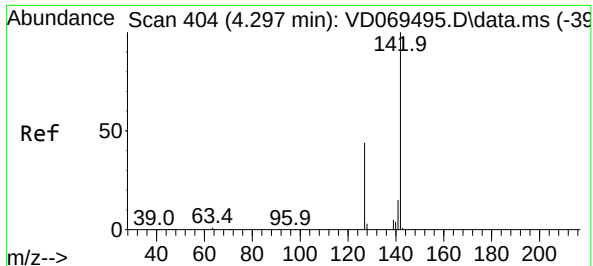
Tgt Ion:168 Resp: 336804
Ion Ratio Lower Upper
168 100
99 64.2 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.023 min
Lab File: VD069577.D
Acq: 25 Jun 2021 20:32

Tgt Ion: 94 Resp: 751
Ion Ratio Lower Upper
94 100
96 34.1 74.6 111.8#

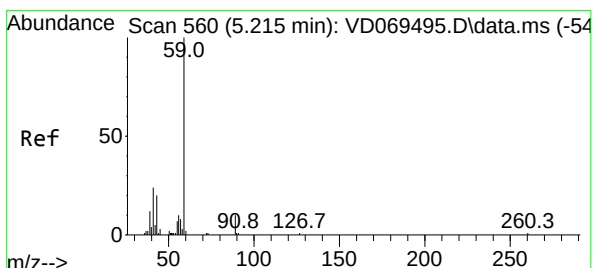
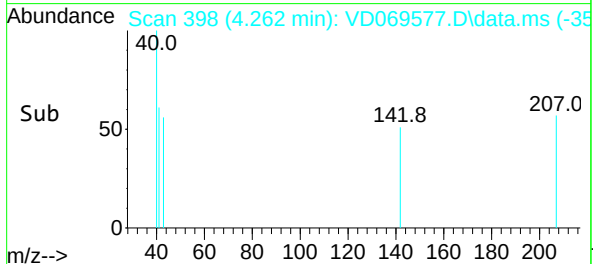
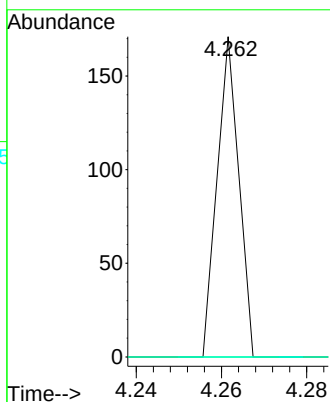
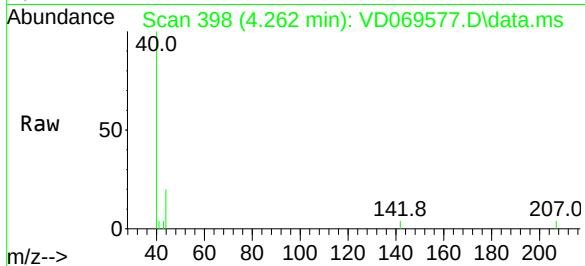




#10
Methyl Iodide
Concen: 3.956 ug/l
RT: 4.262 min Scan# 398
Delta R.T. -0.035 min
Lab File: VD069577.D
Acq: 25 Jun 2021 20:32

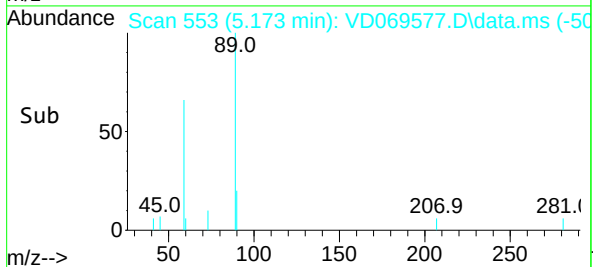
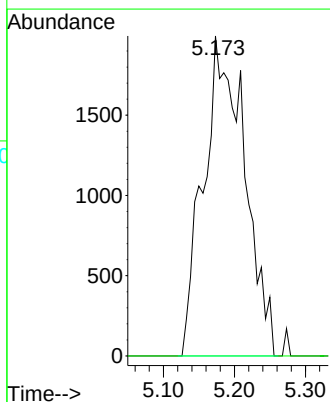
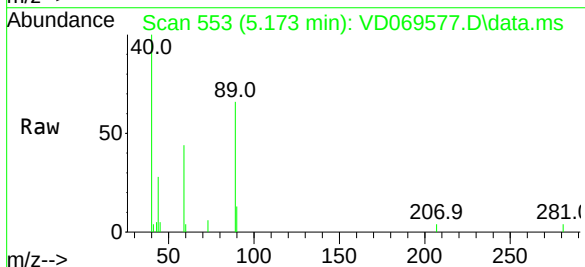
Instrument :
MSVOA_D
ClientSampleId :
SB-17-9.5-10.0

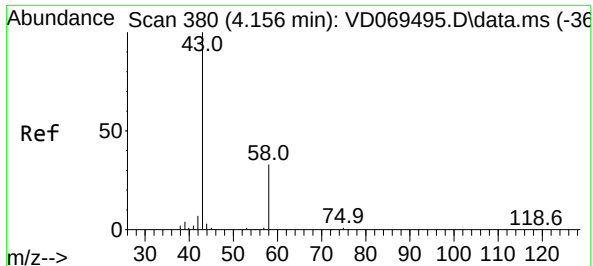
Tgt Ion:142 Resp: 60
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.173 min Scan# 553
Delta R.T. -0.042 min
Lab File: VD069577.D
Acq: 25 Jun 2021 20:32

Tgt Ion: 59 Resp: 8021
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

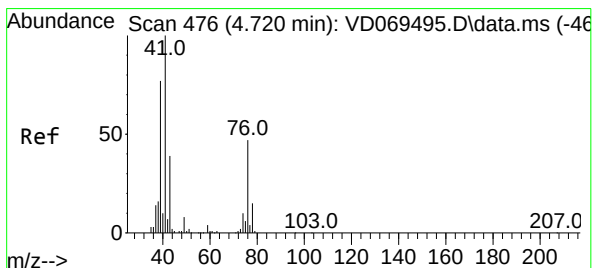
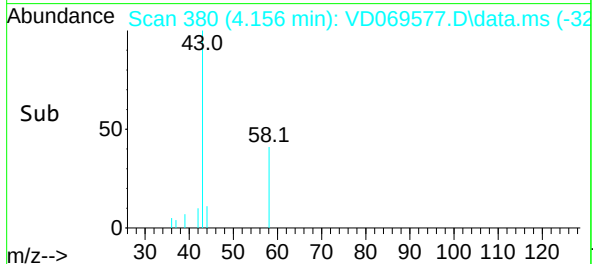
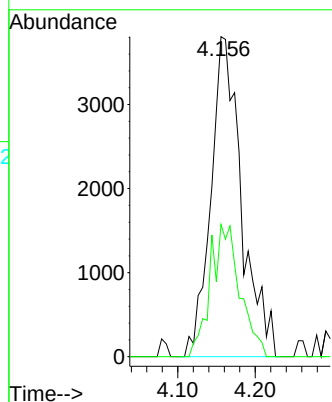
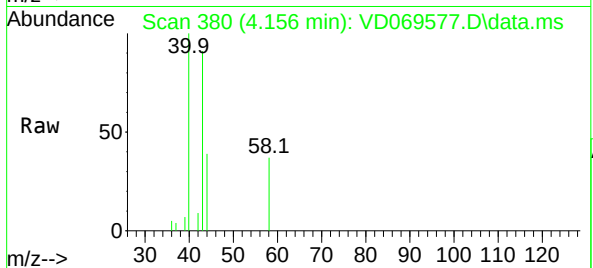




#16
Acetone
Concen: 14.892 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069577.D
Acq: 25 Jun 2021 20:32

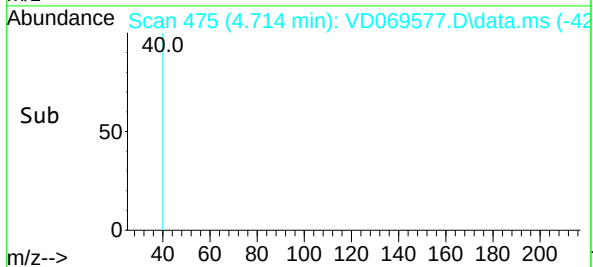
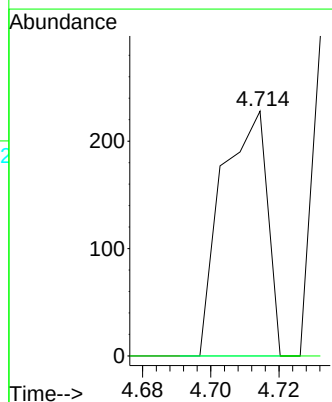
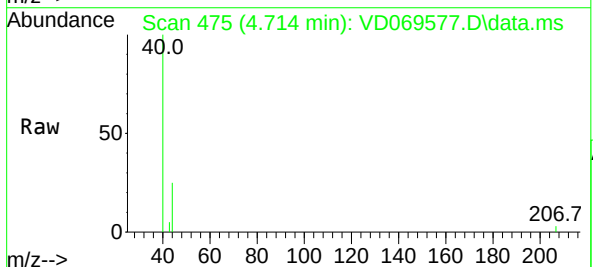
Instrument :
MSVOA_D
ClientSampleId :
SB-17-9.5-10.0

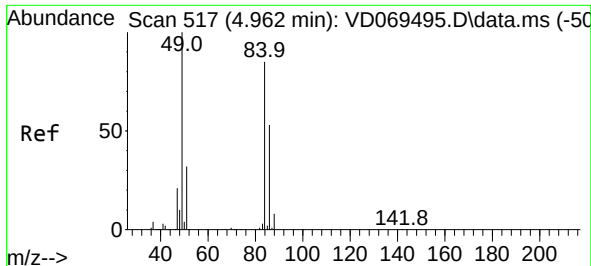
Tgt Ion: 43 Resp: 10523
Ion Ratio Lower Upper
43 100
58 41.3 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.714 min Scan# 475
Delta R.T. -0.006 min
Lab File: VD069577.D
Acq: 25 Jun 2021 20:32

Tgt Ion: 43 Resp: 210
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

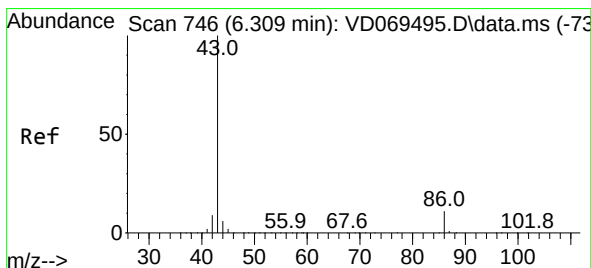
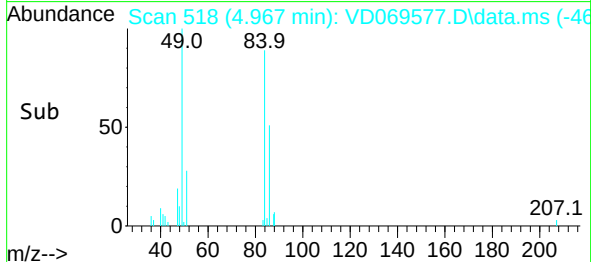
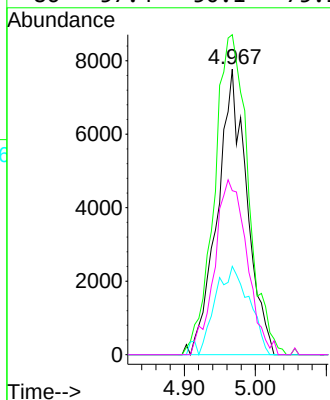
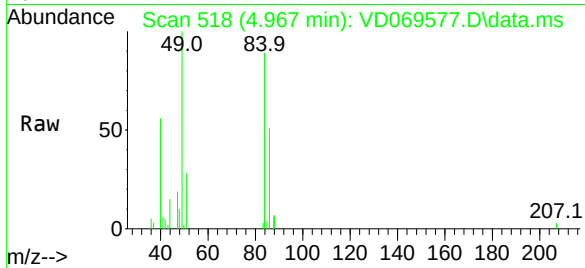




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069577.D
Acq: 25 Jun 2021 20:32

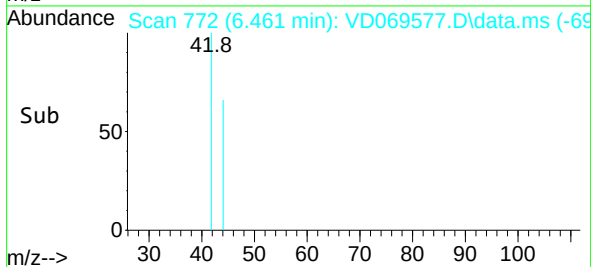
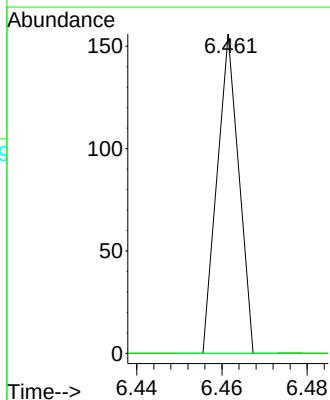
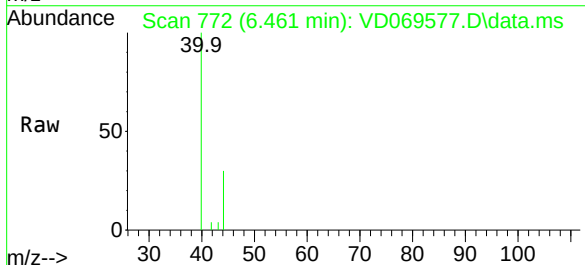
Instrument :
MSVOA_D
ClientSampleId :
SB-17-9.5-10.0

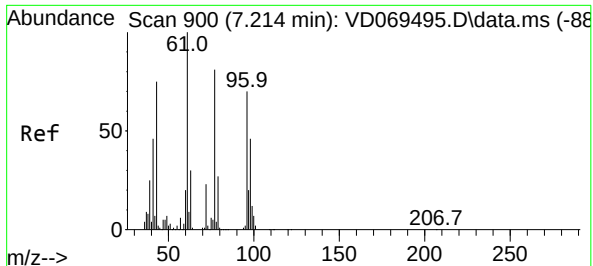
Tgt Ion:	84	Resp:	22404
Ion	Ratio	Lower	Upper
84	100		
49	112.0	94.0	141.0
51	30.9	29.7	44.5
86	57.4	50.1	75.1



#23
Vinyl Acetate
Concen: 19.019 ug/l
RT: 6.461 min Scan# 772
Delta R.T. 0.152 min
Lab File: VD069577.D
Acq: 25 Jun 2021 20:32

Tgt Ion:	43	Resp:	55
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#

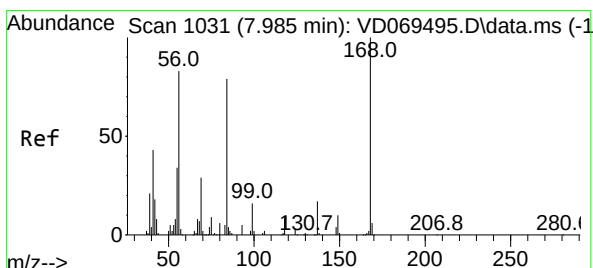
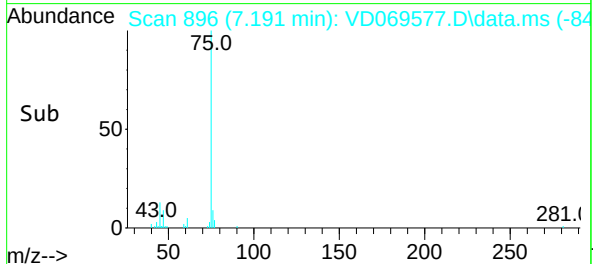
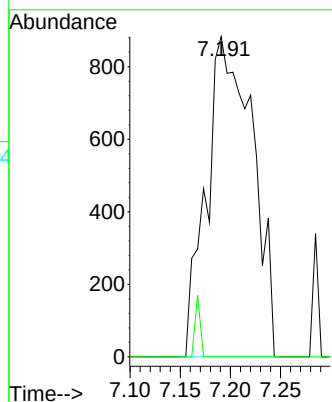
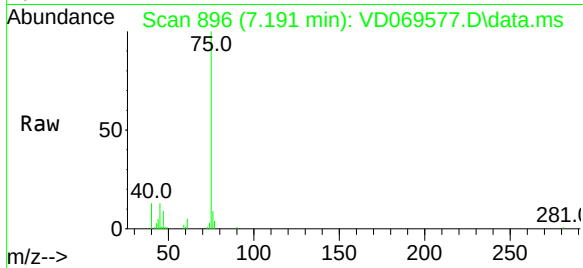




#25
2-Butanone
Concen: 3.143 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.024 min
Lab File: VD069577.D
Acq: 25 Jun 2021 20:32

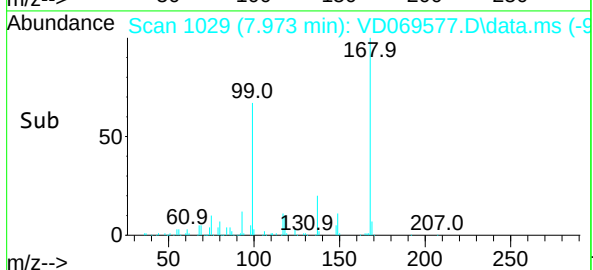
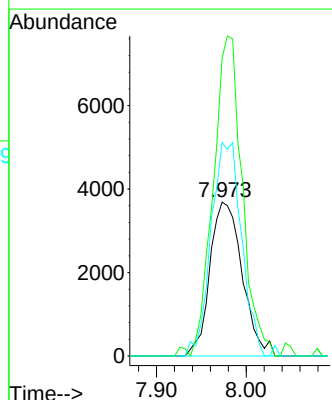
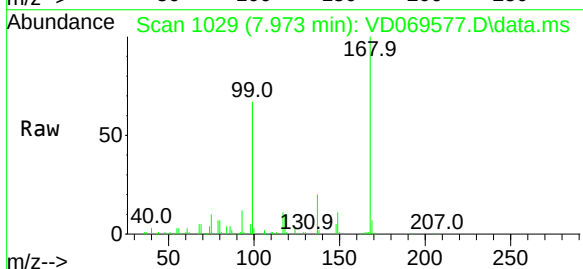
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MSVOA_D
ClientSampleId :
SB-17-9.5-10.0

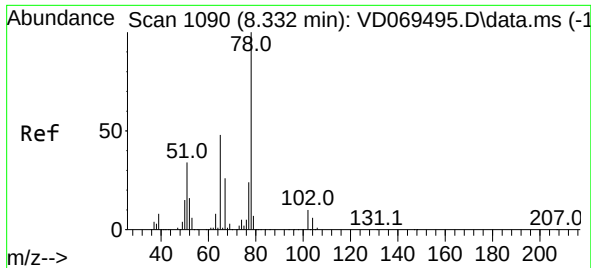
Tgt Ion: 43 Resp: 2822
Ion Ratio Lower Upper
43 100
72 0.0 24.3 36.5#



#31
Cyclohexane
Concen: 1.630 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069577.D
Acq: 25 Jun 2021 20:32

Tgt Ion: 56 Resp: 9213
Ion Ratio Lower Upper
56 100
69 193.7 28.0 42.0#
84 138.7 75.7 113.5#

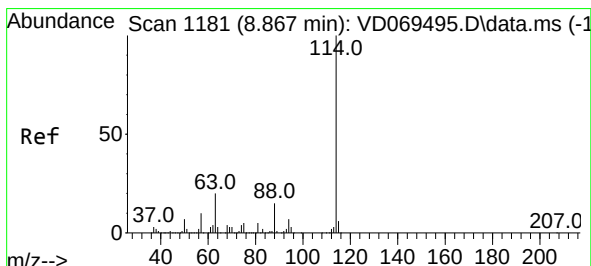
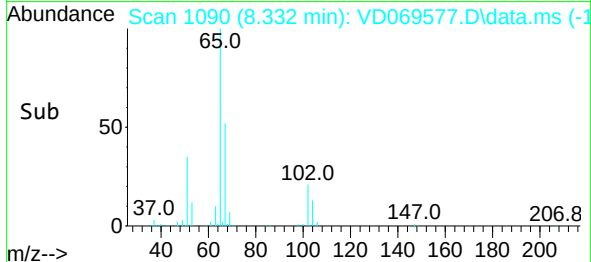
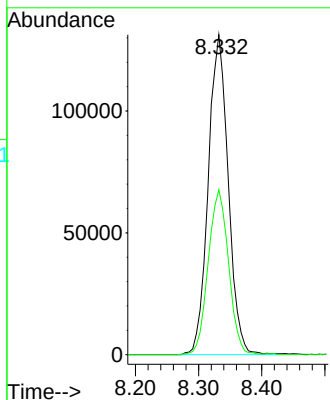
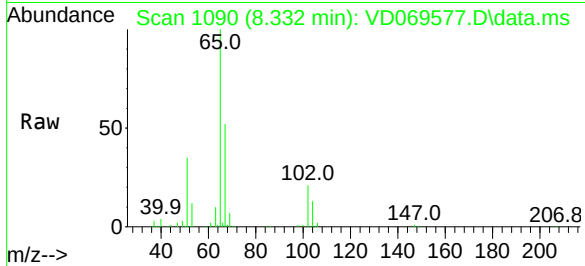




#33
 1,2-Dichloroethane-d4
 Concen: 68.784 ug/l
 RT: 8.332 min Scan# 1090
 Delta R.T. -0.000 min
 Lab File: VD069577.D
 Acq: 25 Jun 2021 20:32

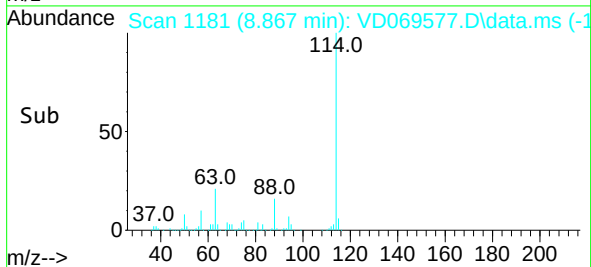
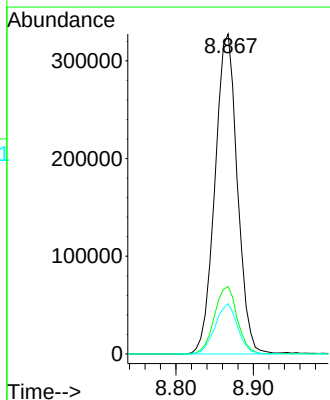
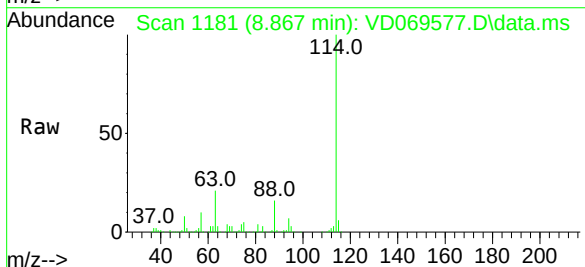
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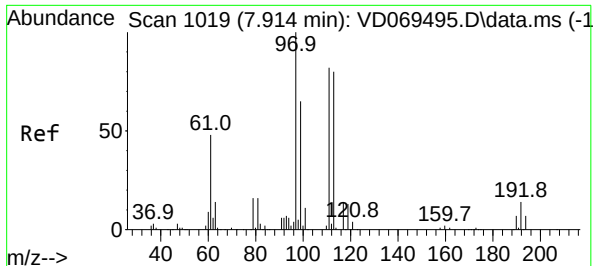
Tgt Ion: 65 Resp: 288769
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.867 min Scan# 1181
 Delta R.T. 0.000 min
 Lab File: VD069577.D
 Acq: 25 Jun 2021 20:32

Tgt Ion: 114 Resp: 658326
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 39.6
 88 15.7 0.0 29.8





#35

Dibromofluoromethane

Concen: 56.482 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.006 min

Lab File: VD069577.D

Acq: 25 Jun 2021 20:32

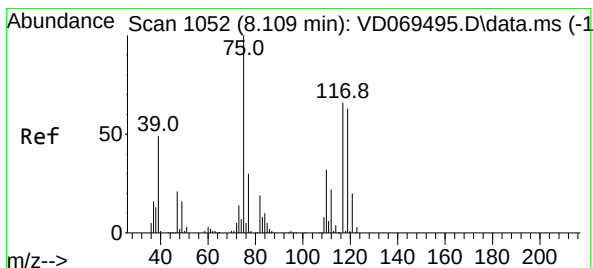
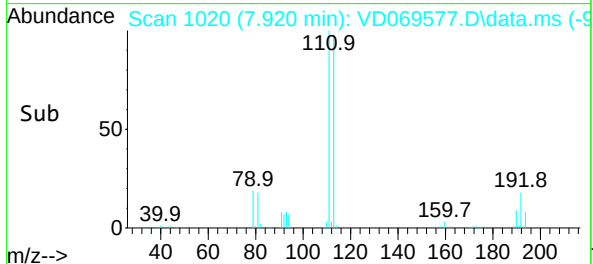
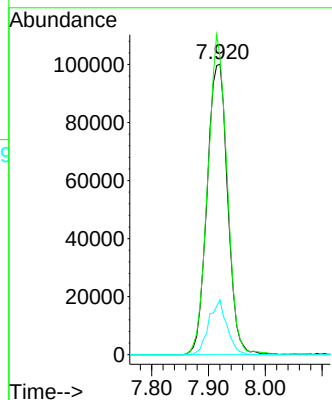
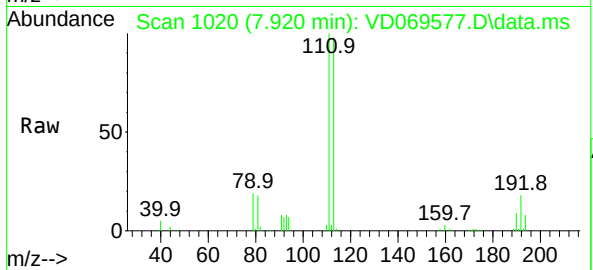
Tgt Ion:113 Resp: 251352

Ion Ratio Lower Upper

113 100

111 103.6 81.8 122.8

192 16.6 13.8 20.6



#36

1,1-Dichloropropene

Concen: 4.795 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD069577.D

Acq: 25 Jun 2021 20:32

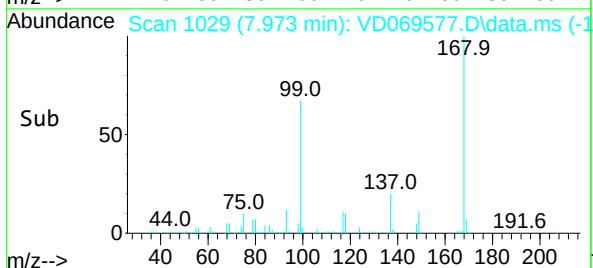
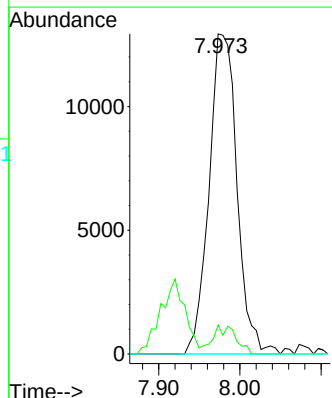
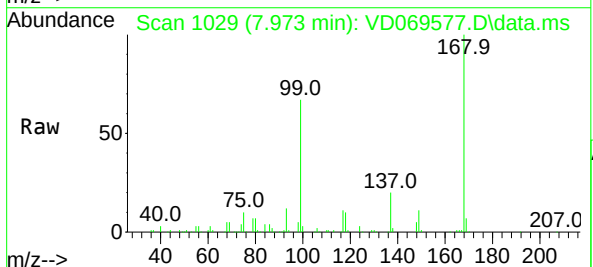
Tgt Ion: 75 Resp: 30979

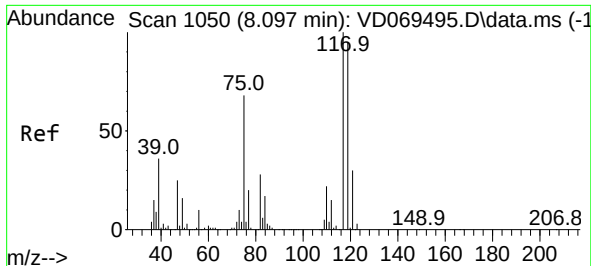
Ion Ratio Lower Upper

75 100

110 7.0 16.8 50.4#

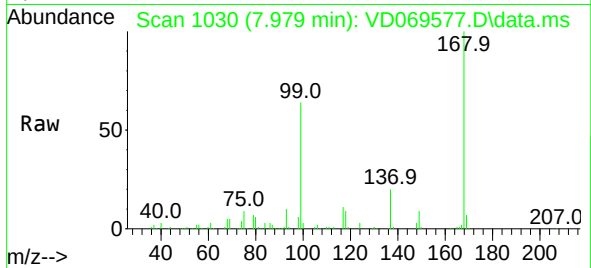
77 0.0 24.3 36.5#



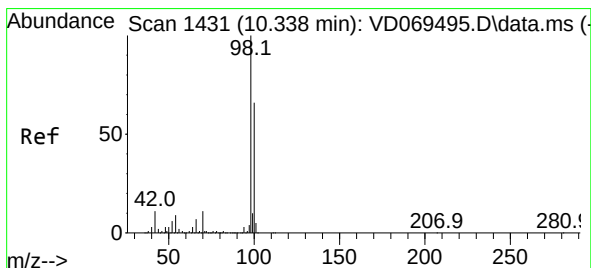
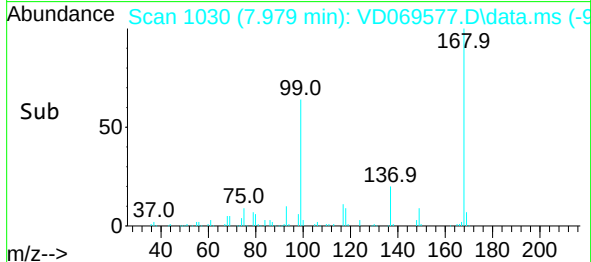
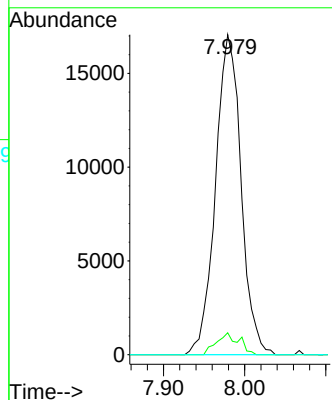


#38
Carbon Tetrachloride
Concen: 5.835 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069577.D
Acq: 25 Jun 2021 20:32

Instrument :
MSVOA_D
ClientSampleId :
SB-17-9.5-10.0

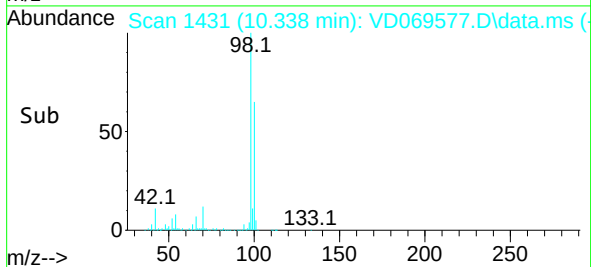
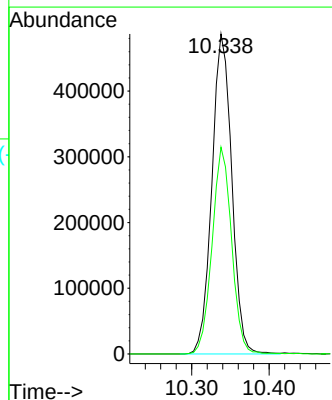
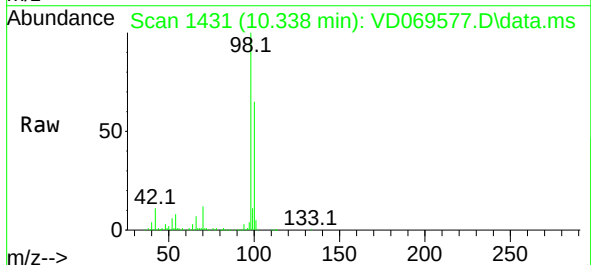


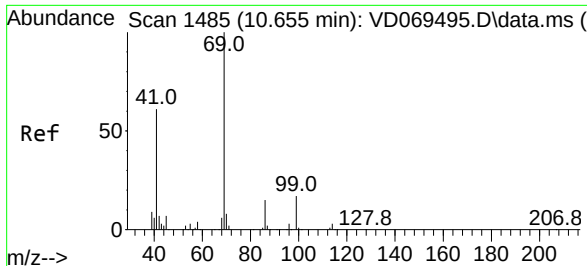
Tgt Ion:117 Resp: 37312
Ion Ratio Lower Upper
117 100
119 6.8 75.6 113.4#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 51.919 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069577.D
Acq: 25 Jun 2021 20:32

Tgt Ion: 98 Resp: 866639
Ion Ratio Lower Upper
98 100
100 63.5 52.3 78.5

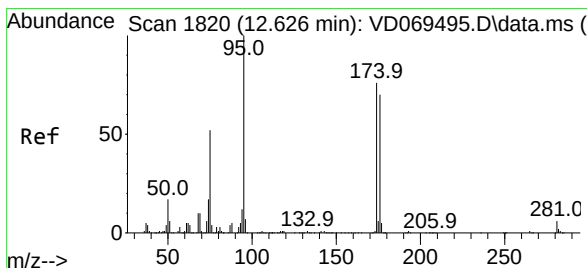
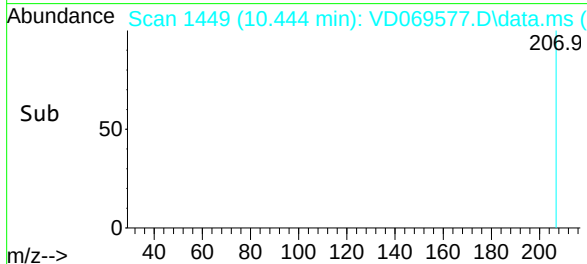
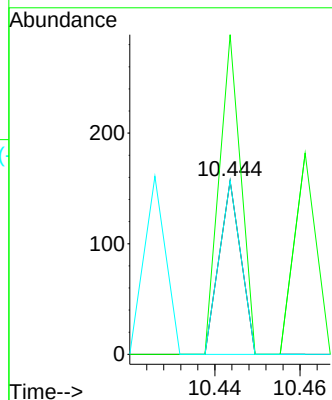
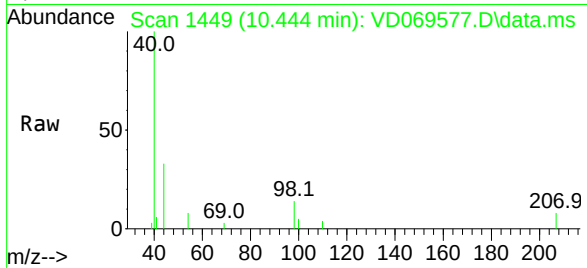




#56
Ethyl methacrylate
Concen: 2.594 ug/l
RT: 10.444 min Scan# 1449
Delta R.T. -0.211 min
Lab File: VD069577.D
Acq: 25 Jun 2021 20:32

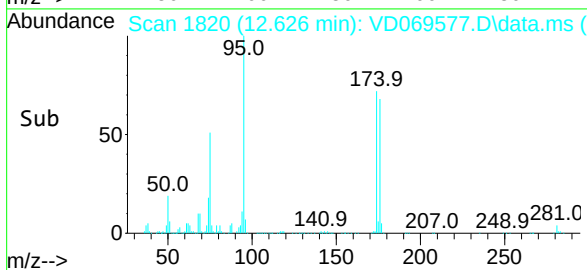
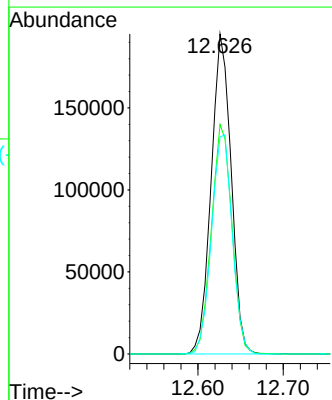
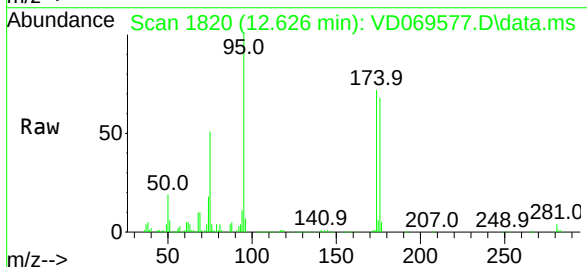
Instrument :
MSVOA_D
ClientSampleId :
SB-17-9.5-10.0

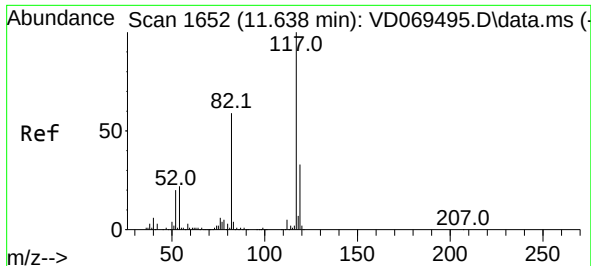
Tgt Ion: 69	Resp: 55
Ion Ratio	Lower Upper
69 100	
41 185.5	49.4 74.0#
39 100.0	26.9 40.3#



#62
4-Bromofluorobenzene
Concen: 57.909 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069577.D
Acq: 25 Jun 2021 20:32

Tgt Ion: 95	Resp: 317785
Ion Ratio	Lower Upper
95 100	
174 73.5	0.0 148.0
176 71.2	0.0 139.8

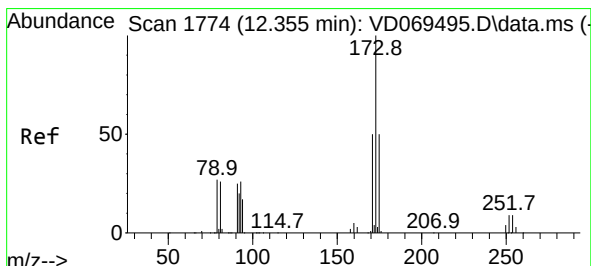
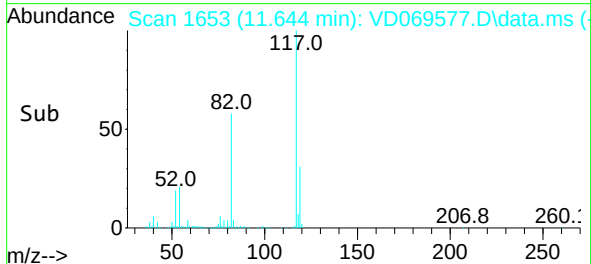
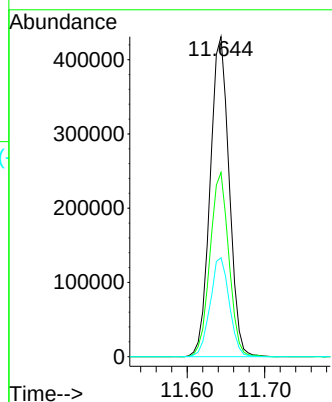
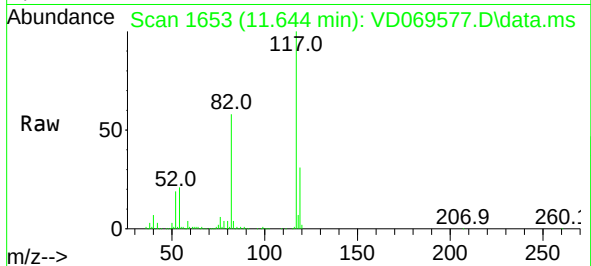




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069577.D
Acq: 25 Jun 2021 20:32

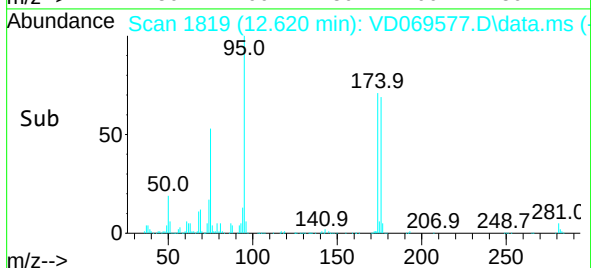
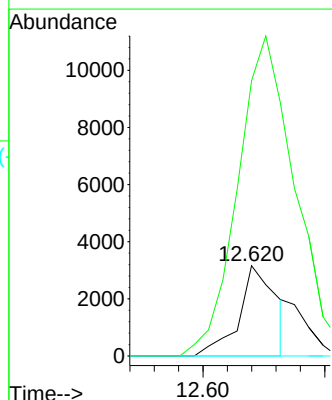
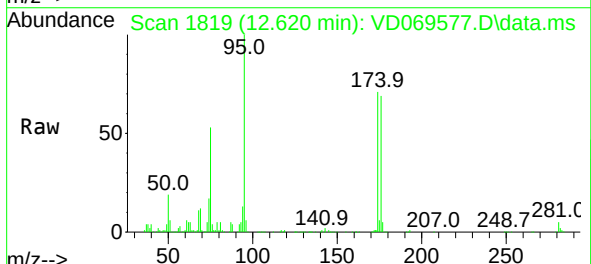
Instrument :
MSVOA_D
ClientSampleId :
SB-17-9.5-10.0

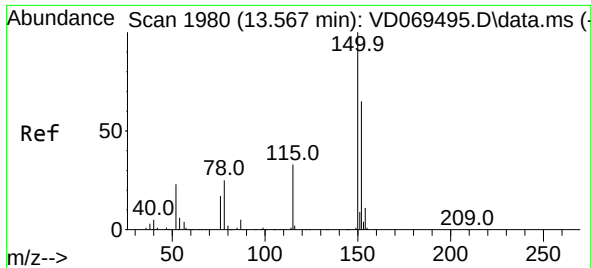
Tgt Ion:117 Resp: 732944
Ion Ratio Lower Upper
117 100
82 57.6 46.8 70.2
119 30.9 26.2 39.2



#71
Bromoform
Concen: 1.246 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD069577.D
Acq: 25 Jun 2021 20:32

Tgt Ion:173 Resp: 3346
Ion Ratio Lower Upper
173 100
175 416.9 24.6 73.8#
254 0.0 0.1 0.1#

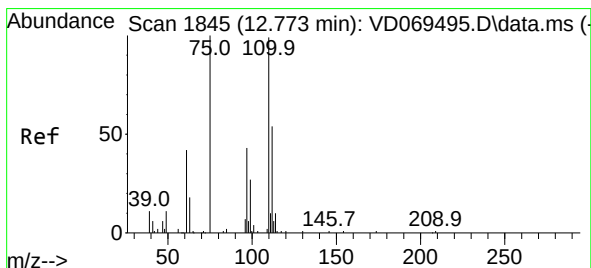
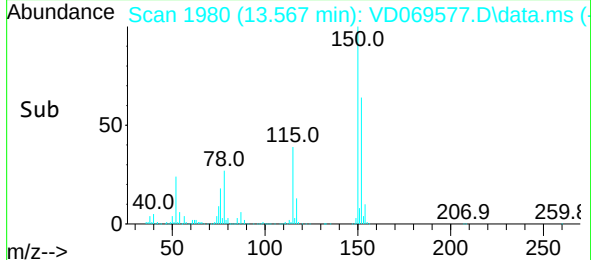
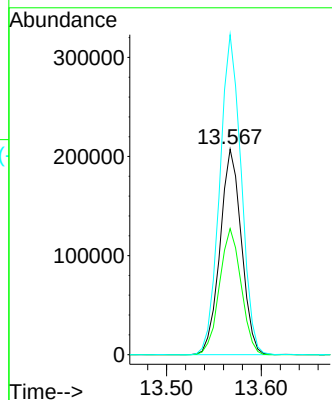
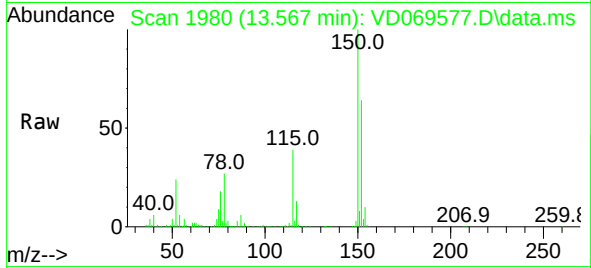




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069577.D
Acq: 25 Jun 2021 20:32

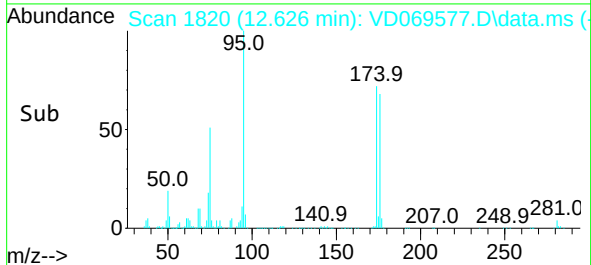
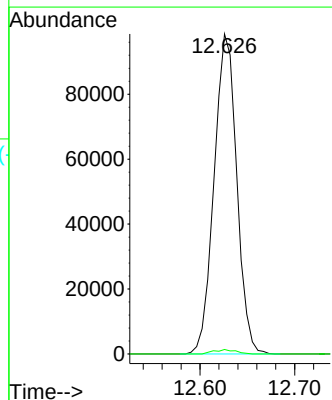
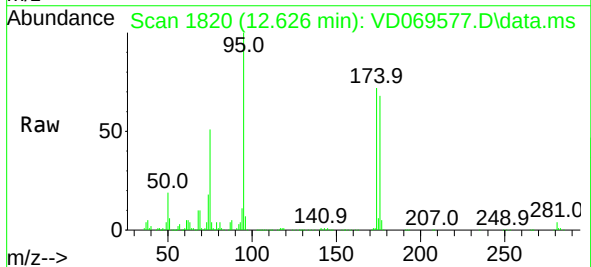
Instrument :
MSVOA_D
ClientSampleId :
SB-17-9.5-10.0

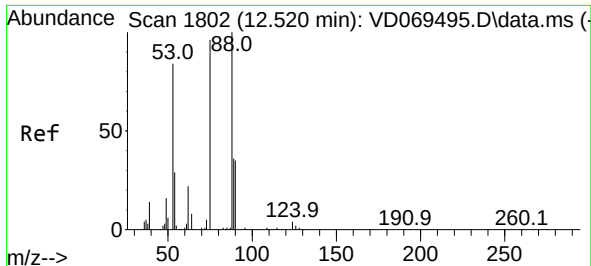
Tgt Ion:152 Resp: 325453
Ion Ratio Lower Upper
152 100
115 62.0 31.7 95.1
150 156.6 0.0 350.8



#76
1,2,3-Trichloropropane
Concen: 51.200 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069577.D
Acq: 25 Jun 2021 20:32

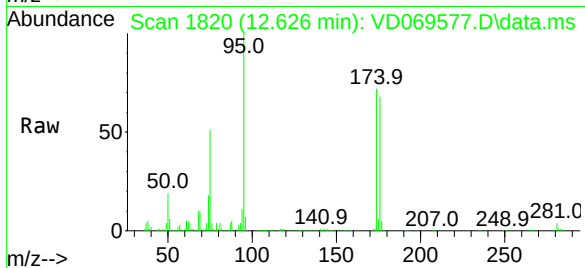
Tgt Ion: 75 Resp: 163571
Ion Ratio Lower Upper
75 100
77 1.3 162.6 487.8#



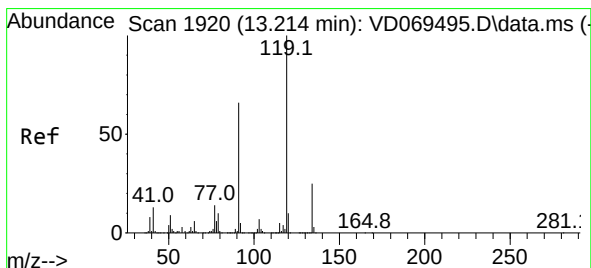
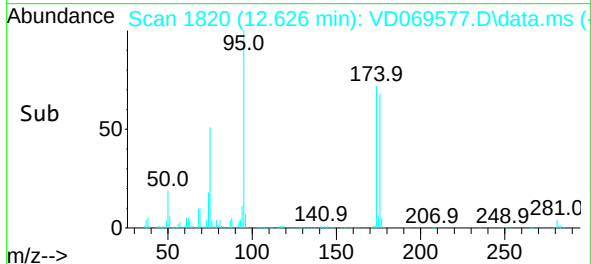
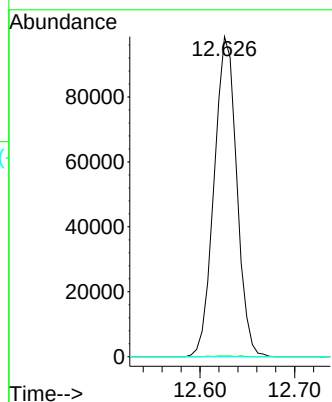


#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.840 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069577.D
 Acq: 25 Jun 2021 20:32

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-17-9.5-10.0

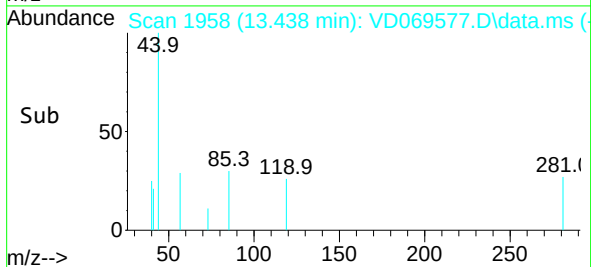
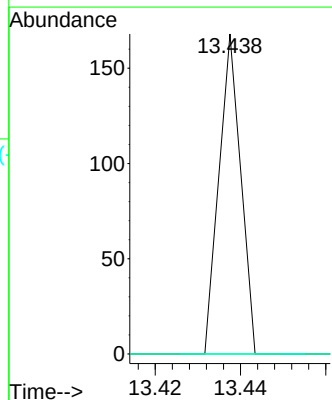
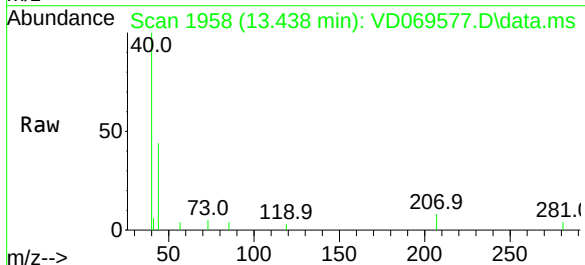


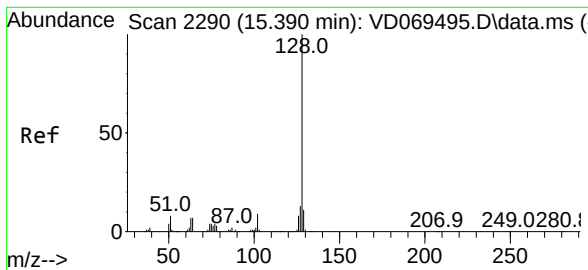
Tgt Ion: 75 Resp: 163571
 Ion Ratio Lower Upper
 75 100
 53 0.3 74.6 112.0#
 89 0.0 35.3 52.9#



#83
 tert-Butylbenzene
 Concen: 1.996 ug/l
 RT: 13.438 min Scan# 1958
 Delta R.T. 0.224 min
 Lab File: VD069577.D
 Acq: 25 Jun 2021 20:32

Tgt Ion: 119 Resp: 59
 Ion Ratio Lower Upper
 119 100
 91 0.0 32.5 97.4#
 134 0.0 12.9 38.7#





#95
Naphthalene
Concen: 3.363 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069577.D
Acq: 25 Jun 2021 20:32

Instrument :
MSVOA_D
ClientSampleId :
SB-17-9.5-10.0

Tgt Ion:128 Resp: 93
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

