

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062521\
 Data File : VD069568.D
 Acq On : 25 Jun 2021 16:18
 Operator : VA/SY
 Sample : M2856-15
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-08-9.5-10.0

Quant Time: Jun 26 03:39:48 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)

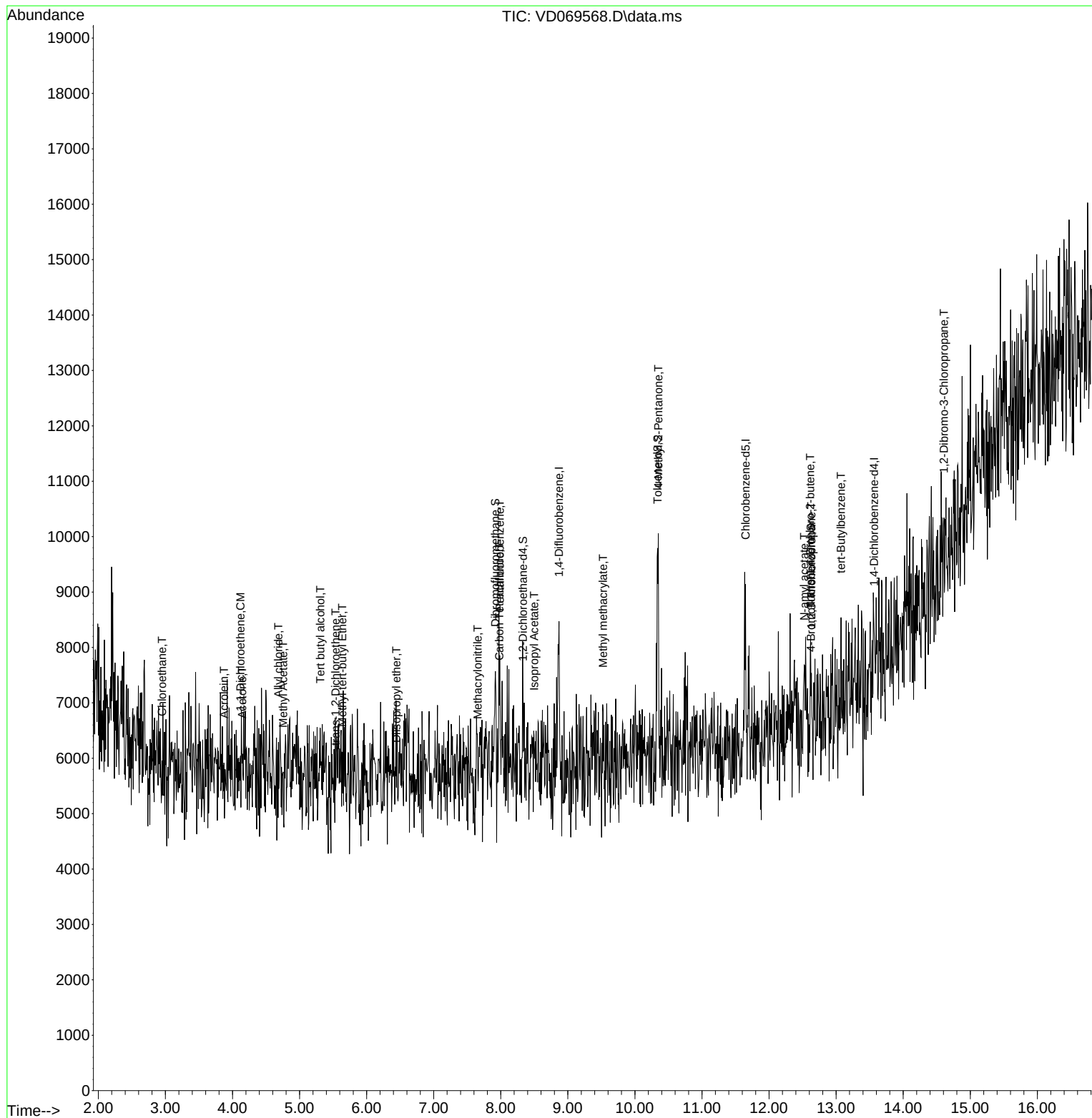
Internal Standards						
1) Pentafluorobenzene	7.985	168	912	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.867	114	2808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	1892	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.567	152	155	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	1142	100.458	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 200.920%#			
35) Dibromofluoromethane	7.920	113	1312	69.120	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 138.240%			
50) Toluene-d8	10.338	98	2859	40.155	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 80.320%			
62) 4-Bromofluorobenzene	12.626	95	389	16.619	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 33.240%			
Target Compounds					Qvalue	
6) Chloroethane	2.950	64	64	6.736	ug/l #	43
11) Tert butyl alcohol	5.308	59	68	85.815	ug/l #	83
12) 1,1-Dichloroethene	4.120	96	59	6.551	ug/l #	1
13) Acrolein	3.873	56	57	90.085	ug/l #	15
14) Allyl chloride	4.685	41	80	6.336	ug/l #	21
16) Acetone	4.144	43	70	36.584	ug/l #	41
18) Methyl Acetate	4.756	43	70	12.686	ug/l #	49
19) Methyl tert-butyl Ether	5.638	73	60	3.390	ug/l #	53
21) trans-1,2-Dichloroethene	5.538	96	230	21.168	ug/l #	1
22) Diisopropyl ether	6.444	45	54	2.123	ug/l #	35
38) Carbon Tetrachloride	7.979	117	127	4.656	ug/l #	13
41) Methacrylonitrile	7.655	41	71	11.930	ug/l #	18
43) Isopropyl Acetate	8.497	43	66	3.552	ug/l #	47
48) Methyl methacrylate	9.526	41	74	8.384	ug/l #	8
51) 4-Methyl-2-Pentanone	10.349	43	84	8.598	ug/l #	34
74) N-amyl acetate	12.526	43	69	31.823	ug/l #	39
76) 1,2,3-Trichloropropane	12.632	75	133	87.412	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.614	75	91	149.334	ug/l #	12
83) tert-Butylbenzene	13.073	119	116	15.830	ug/l #	27
92) 1,2-Dibromo-3-Chloropr...	14.608	75	59	181.280	ug/l #	4

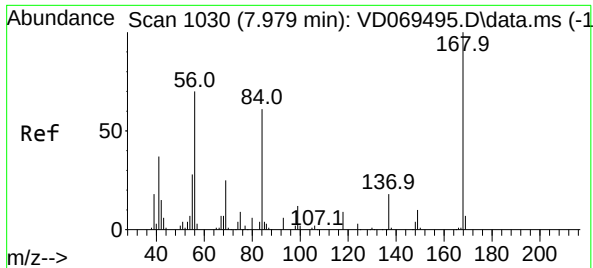
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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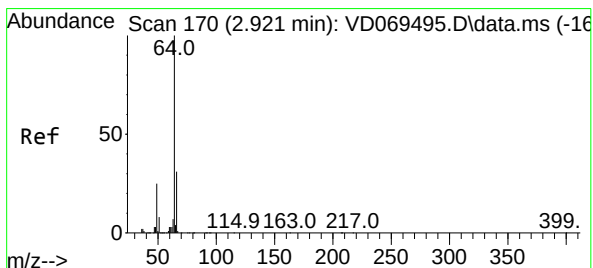
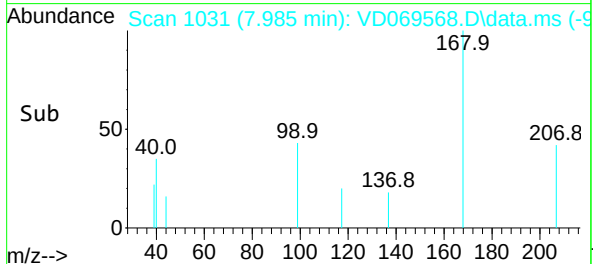
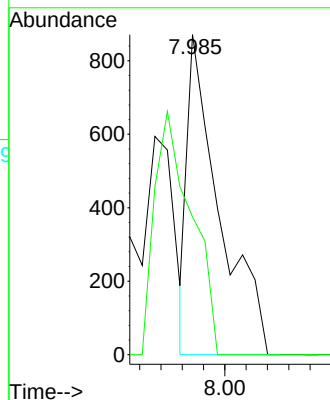
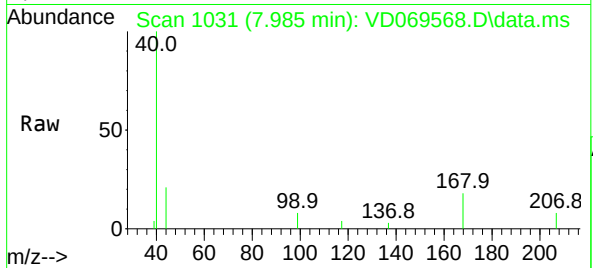




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

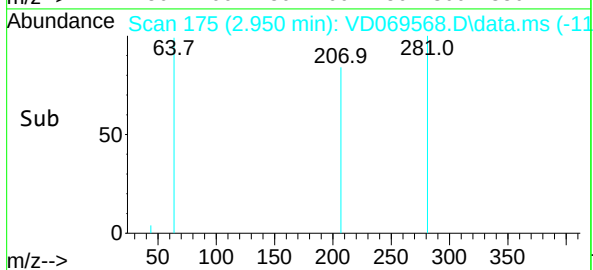
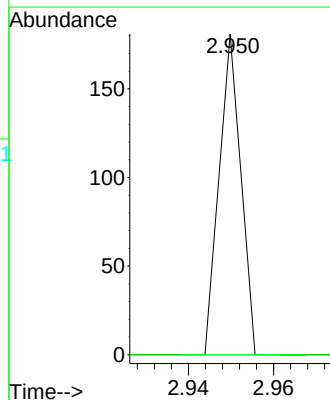
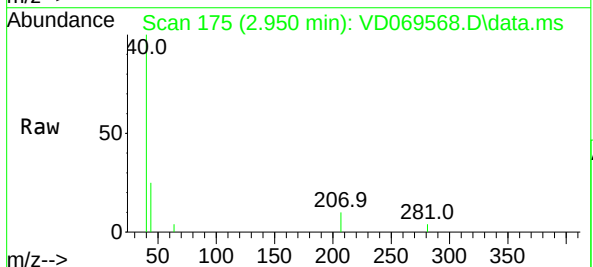
Instrument :
MSVOA_D
ClientSampleId :
SB-08-9.5-10.0

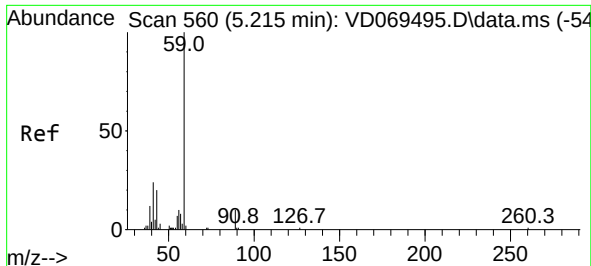
Tgt Ion:168 Resp: 912
Ion Ratio Lower Upper
168 100
99 43.1 49.3 73.9#



#6
Chloroethane
Concen: 6.736 ug/l
RT: 2.950 min Scan# 175
Delta R.T. 0.029 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

Tgt Ion: 64 Resp: 64
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

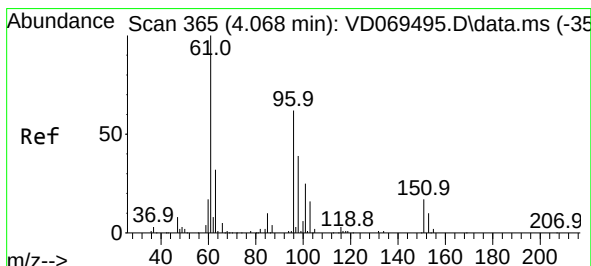
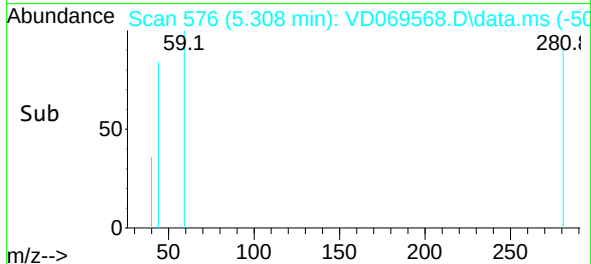
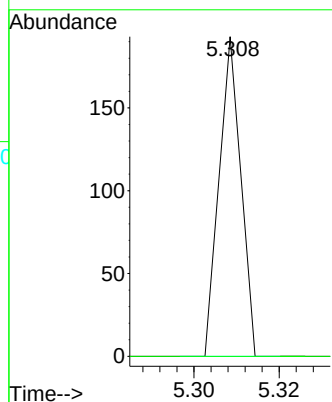
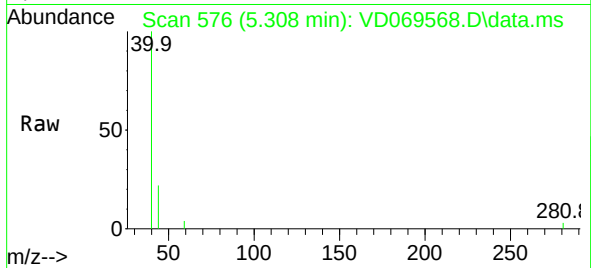




#11
Tert butyl alcohol
Concen: 85.815 ug/l
RT: 5.308 min Scan# 576
Delta R.T. 0.093 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

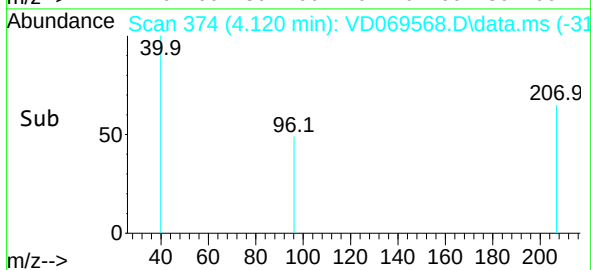
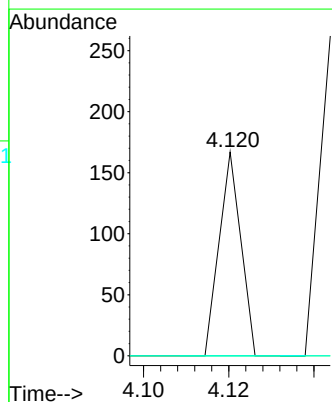
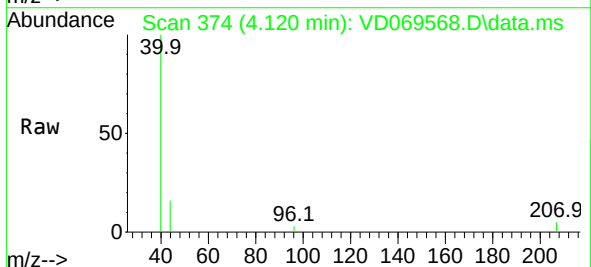
Instrument :
MSVOA_D
ClientSampleId :
SB-08-9.5-10.0

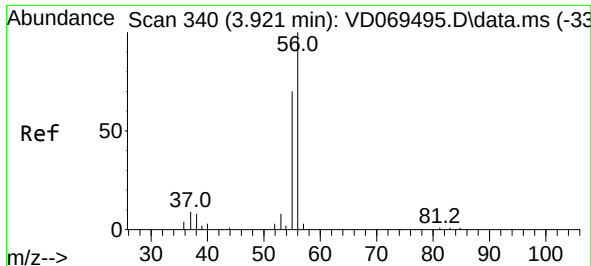
Tgt Ion: 59 Resp: 68
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#



#12
1,1-Dichloroethene
Concen: 6.551 ug/l
RT: 4.120 min Scan# 374
Delta R.T. 0.053 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

Tgt Ion: 96 Resp: 59
Ion Ratio Lower Upper
96 100
61 0.0 130.1 195.1#
98 0.0 51.2 76.8#

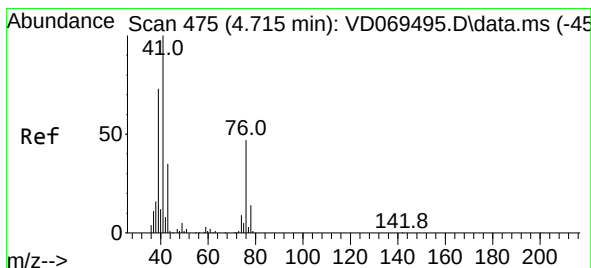
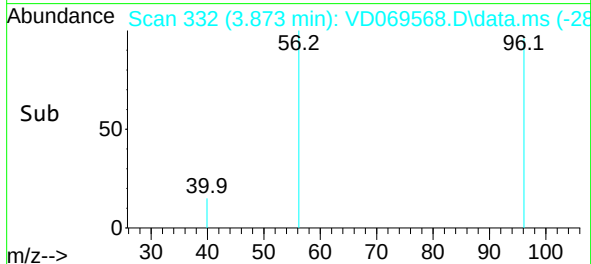
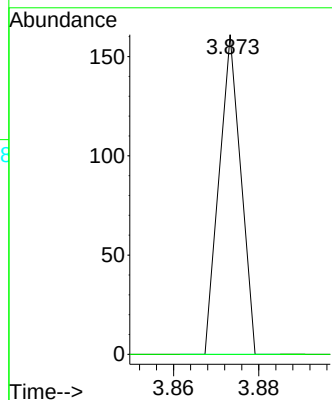
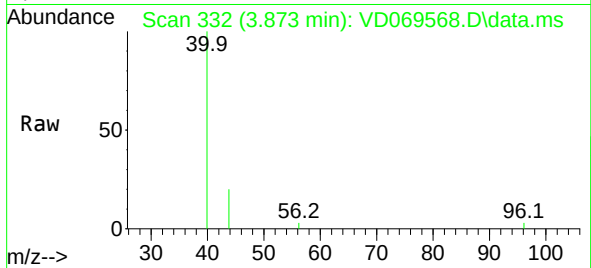




#13
Acrolein
Concen: 90.085 ug/l
RT: 3.873 min Scan# 332
Delta R.T. -0.047 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

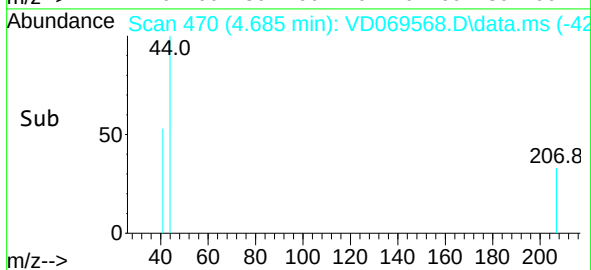
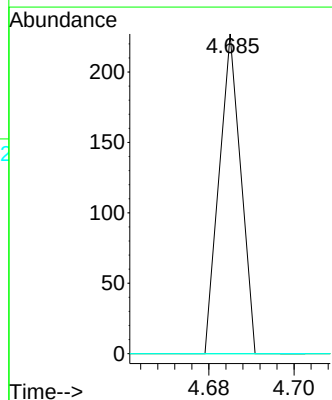
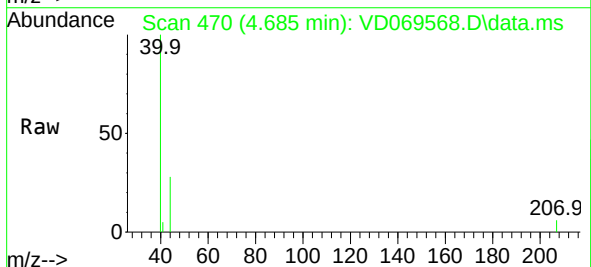
Instrument :
MSVOA_D
ClientSampleId :
SB-08-9.5-10.0

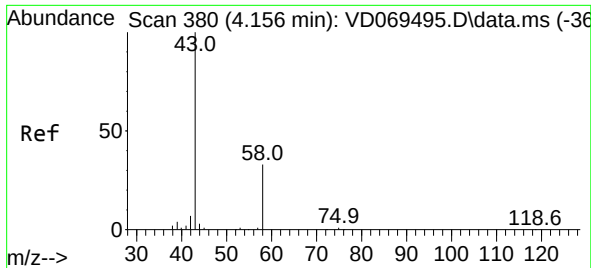
Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#



#14
Allyl chloride
Concen: 6.336 ug/l
RT: 4.685 min Scan# 470
Delta R.T. -0.030 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

Tgt Ion: 41 Resp: 80
Ion Ratio Lower Upper
41 100
39 0.0 58.2 87.4#
76 0.0 33.8 50.8#

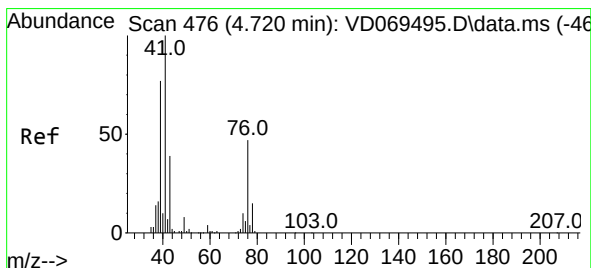
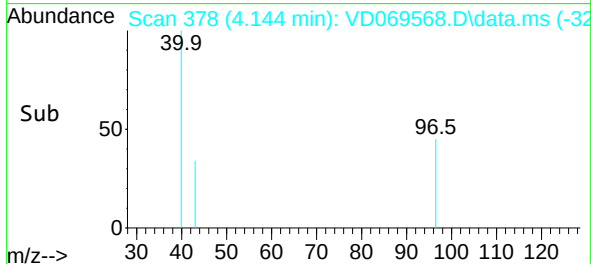
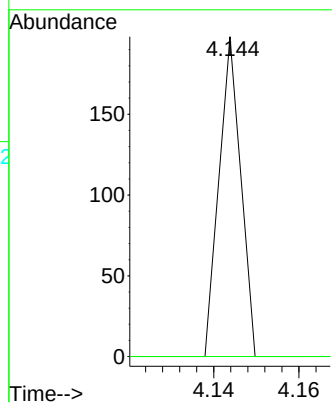
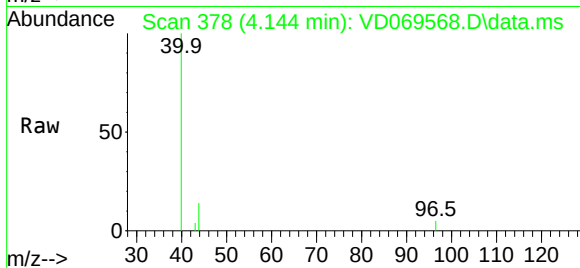




#16
Acetone
Concen: 36.584 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.012 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

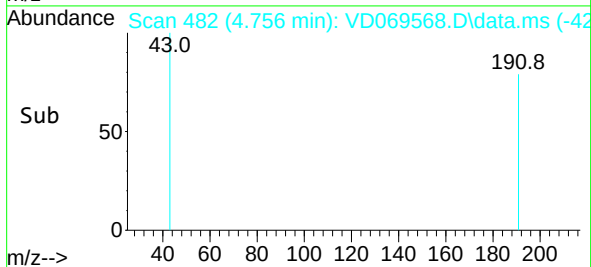
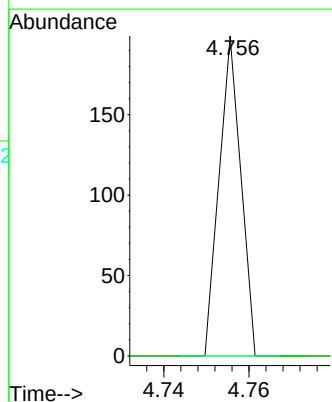
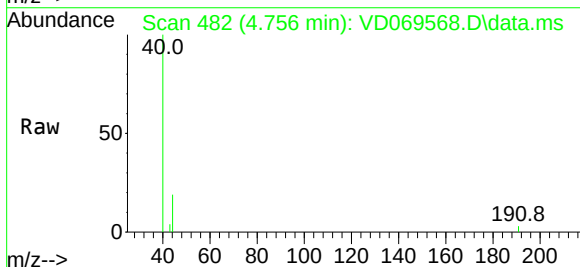
Instrument :
MSVOA_D
ClientSampleId :
SB-08-9.5-10.0

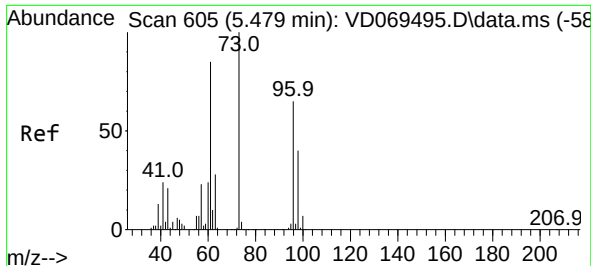
Tgt Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
58 0.0 26.8 40.2#



#18
Methyl Acetate
Concen: 12.686 ug/l
RT: 4.756 min Scan# 482
Delta R.T. 0.036 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

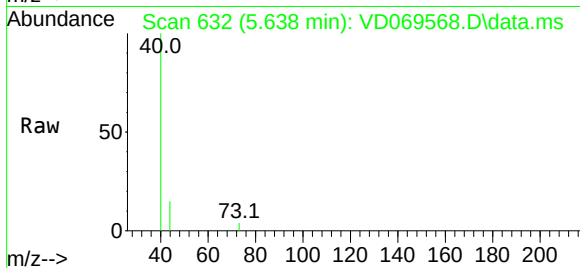
Tgt Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



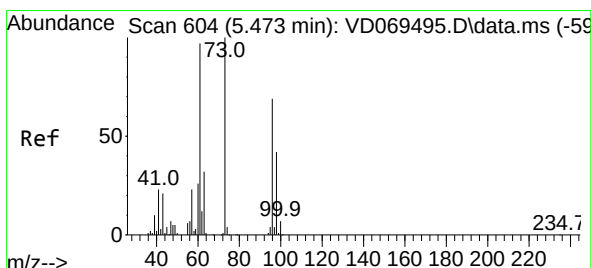
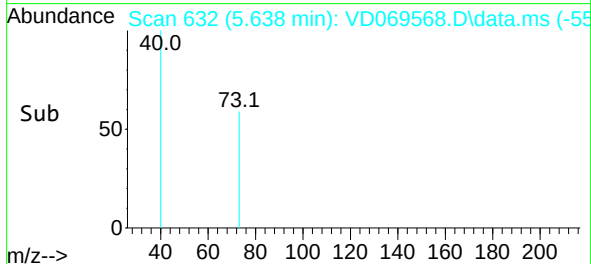
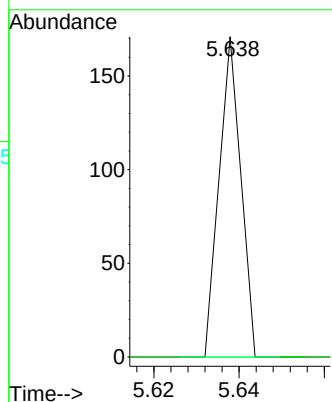


#19
Methyl tert-butyl Ether
Concen: 3.390 ug/l
RT: 5.638 min Scan# 632
Delta R.T. 0.159 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

Instrument :
MSVOA_D
ClientSampleId :
SB-08-9.5-10.0

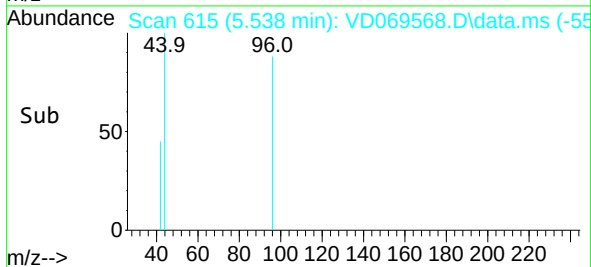
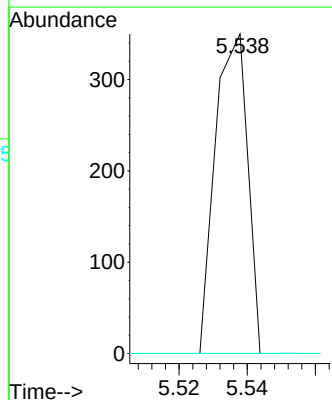
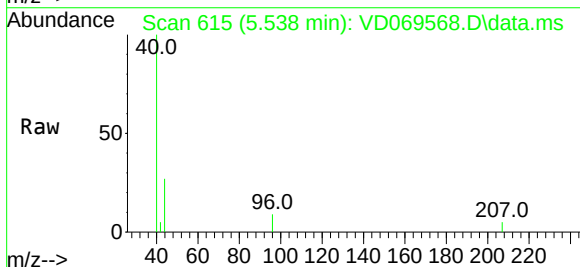


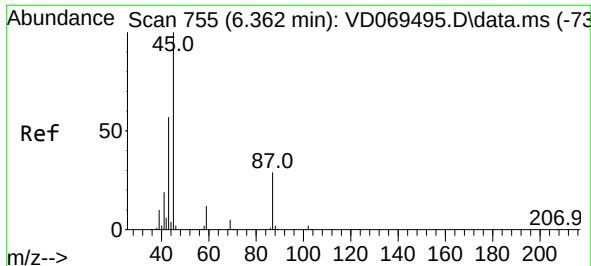
Tgt Ion: 73 Resp: 60
Ion Ratio Lower Upper
73 100
57 0.0 18.1 27.1#



#21
trans-1,2-Dichloroethene
Concen: 21.168 ug/l
RT: 5.538 min Scan# 615
Delta R.T. 0.065 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

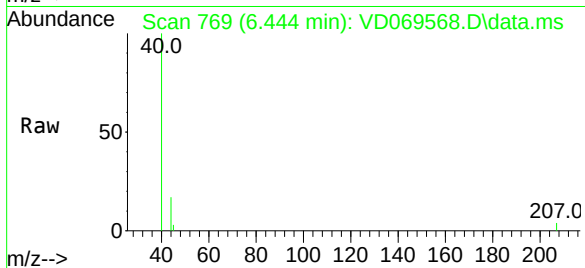
Tgt Ion: 96 Resp: 230
Ion Ratio Lower Upper
96 100
61 0.0 111.8 167.6#
98 0.0 48.5 72.7#



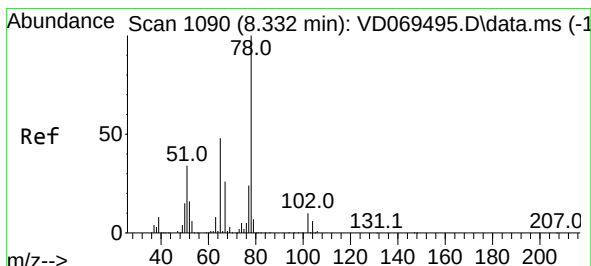
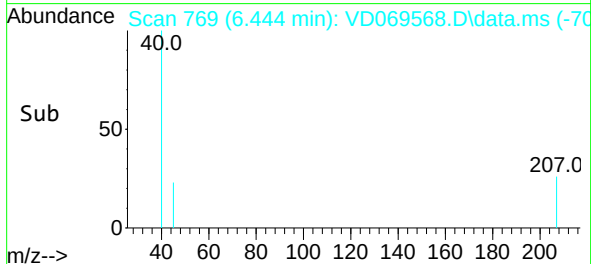
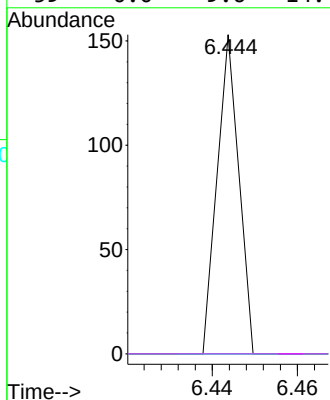


#22
Diisopropyl ether
Concen: 2.123 ug/l
RT: 6.444 min Scan# 769
Delta R.T. 0.082 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

Instrument :
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SB-08-9.5-10.0

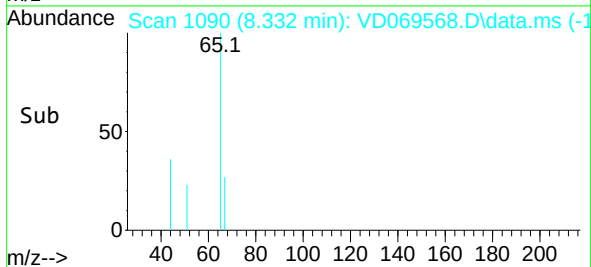
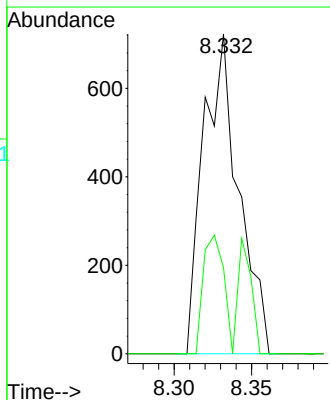
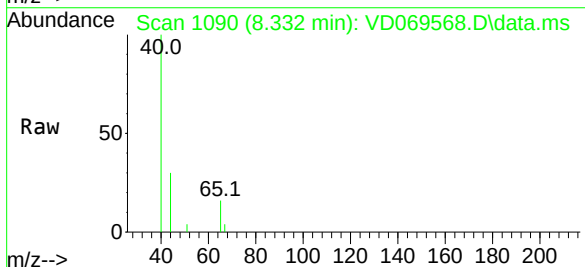


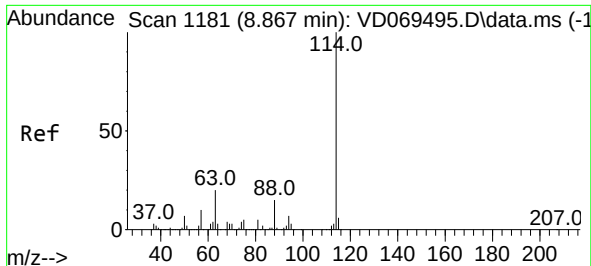
Tgt Ion: 45	Resp: 54
Ion Ratio	Lower Upper
45	100
43	0.0 45.8 68.6#
87	0.0 23.4 35.2#
59	0.0 9.6 14.4#



#33
1,2-Dichloroethane-d4
Concen: 100.458 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

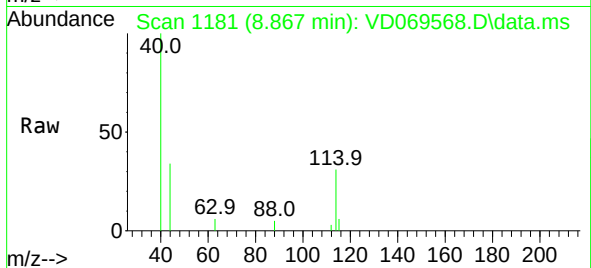
Tgt Ion: 65	Resp: 1142
Ion Ratio	Lower Upper
65	100
67	21.5 0.0 105.6



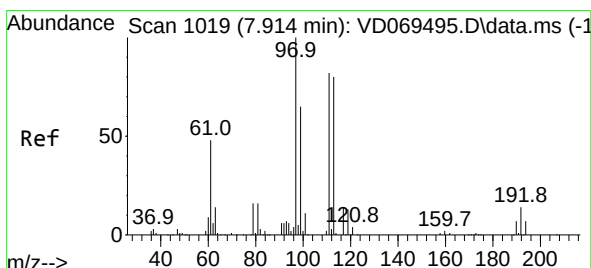
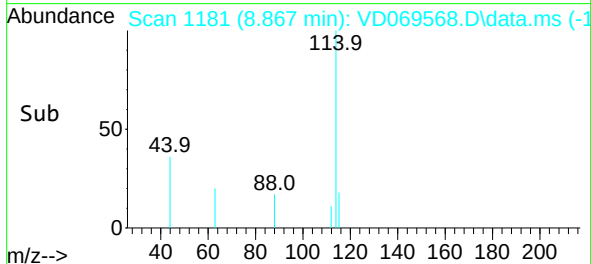
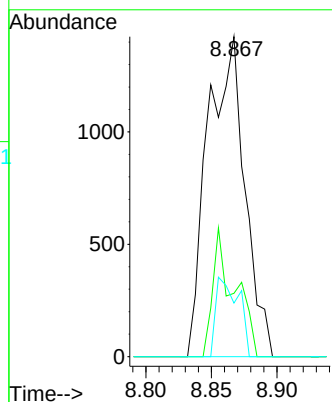


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

Instrument :
MSVOA_D
ClientSampleId :
SB-08-9.5-10.0

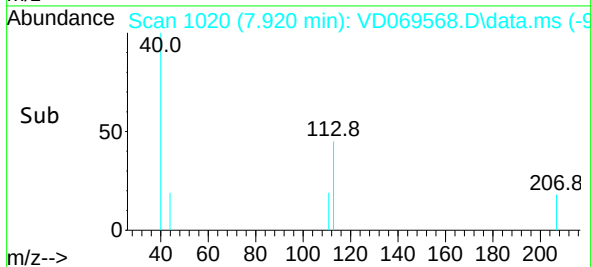
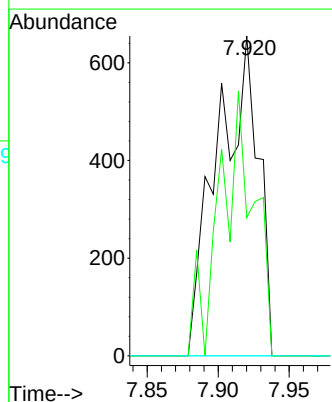
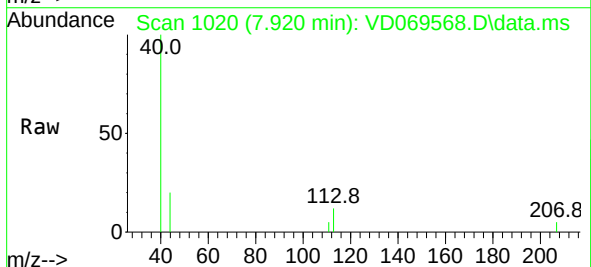


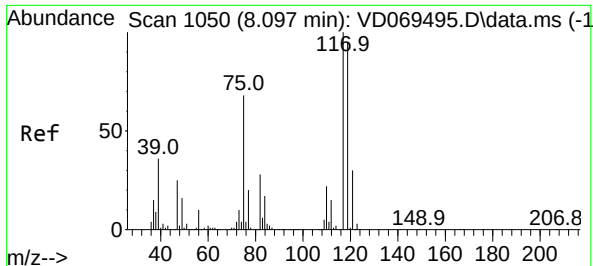
Tgt Ion:	114	Resp:	2808
Ion Ratio	100	Lower	Upper
63	19.8	0.0	39.6
88	16.7	0.0	29.8



#35
Dibromofluoromethane
Concen: 69.120 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

Tgt Ion:	113	Resp:	1312
Ion Ratio	100	Lower	Upper
111	69.7	81.8	122.8#
192	0.0	13.8	20.6#

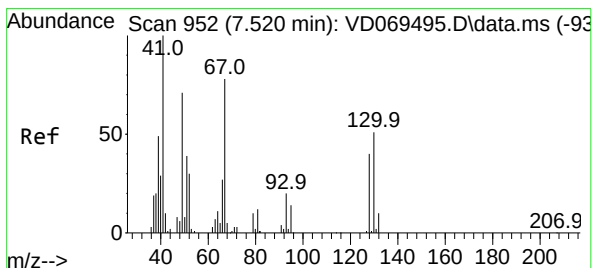
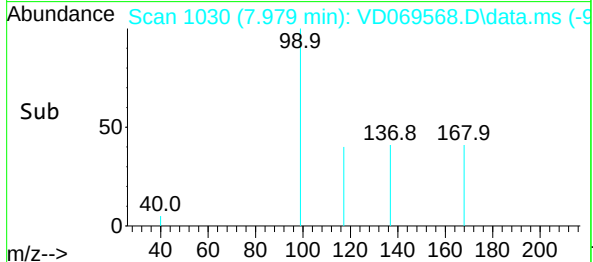
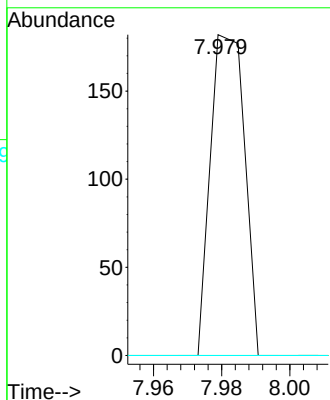
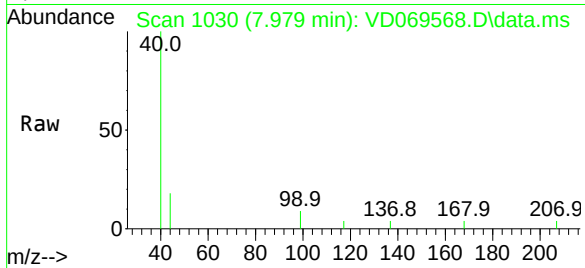




#38
Carbon Tetrachloride
Concen: 4.656 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

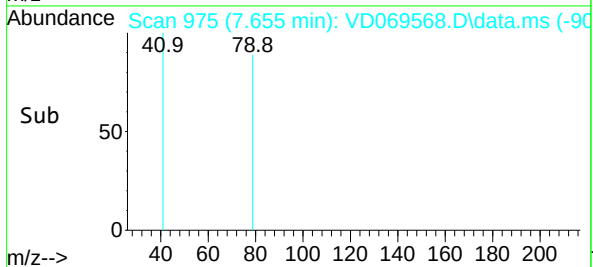
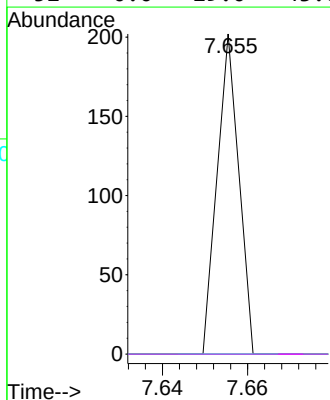
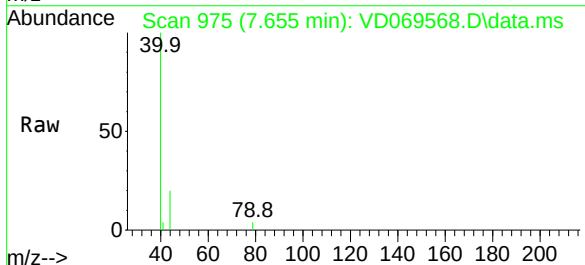
Instrument :
MSVOA_D
ClientSampleId :
SB-08-9.5-10.0

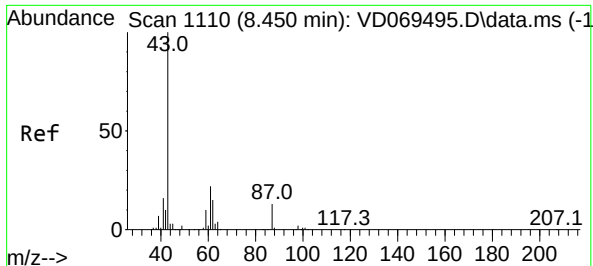
Tgt Ion:117 Resp: 127
Ion Ratio Lower Upper
117 100
119 0.0 75.6 113.4#
121 0.0 23.8 35.8#



#41
Methacrylonitrile
Concen: 11.930 ug/l
RT: 7.655 min Scan# 975
Delta R.T. 0.135 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

Tgt Ion: 41 Resp: 71
Ion Ratio Lower Upper
41 100
39 0.0 41.7 62.5#
67 0.0 71.8 107.6#
52 0.0 29.0 43.6#



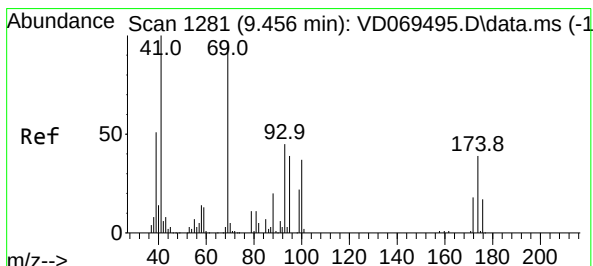
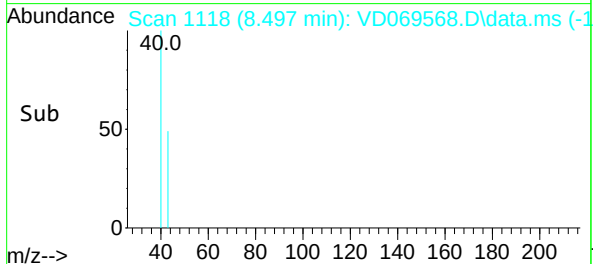
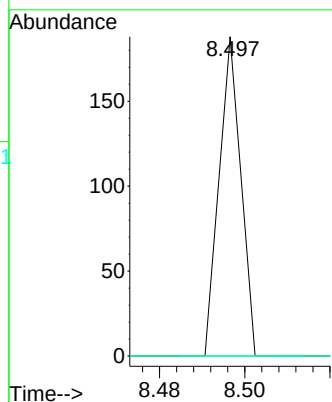
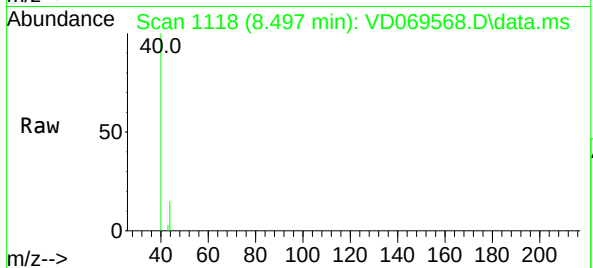


#43

Isopropyl Acetate
 Concen: 3.552 ug/l
 RT: 8.497 min Scan# 1118
 Delta R.T. 0.047 min
 Lab File: VD069568.D
 Acq: 25 Jun 2021 16:18

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-08-9.5-10.0

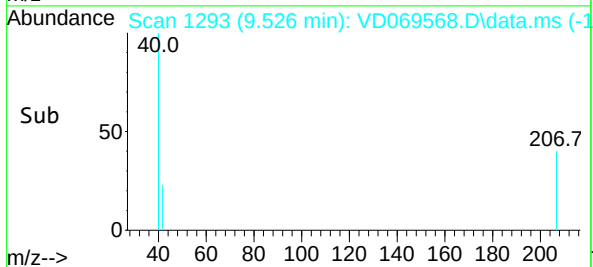
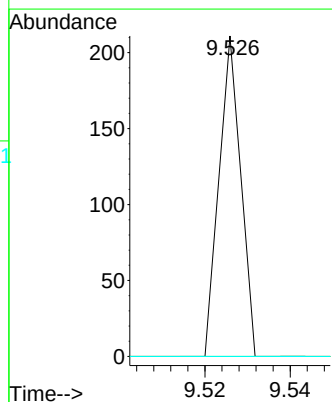
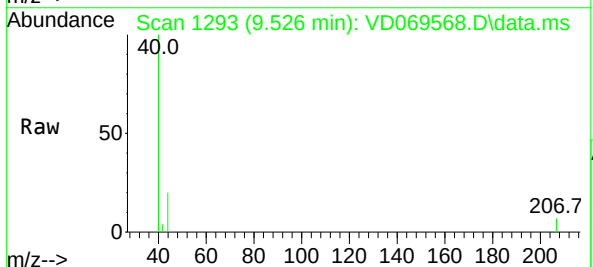
Tgt Ion: 43	Resp: 66
Ion Ratio	Lower Upper
43 100	
61 0.0	28.2 42.2#
87 0.0	11.4 17.0#

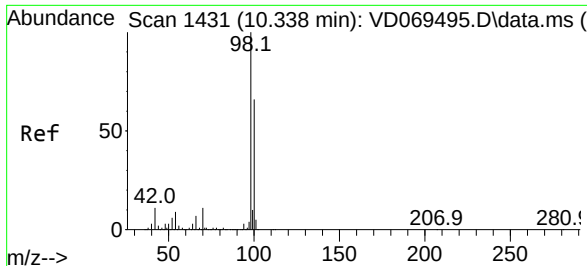


#48

Methyl methacrylate
 Concen: 8.384 ug/l
 RT: 9.526 min Scan# 1293
 Delta R.T. 0.070 min
 Lab File: VD069568.D
 Acq: 25 Jun 2021 16:18

Tgt Ion: 41	Resp: 74
Ion Ratio	Lower Upper
41 100	
69 0.0	80.9 121.3#
39 0.0	45.8 68.6#

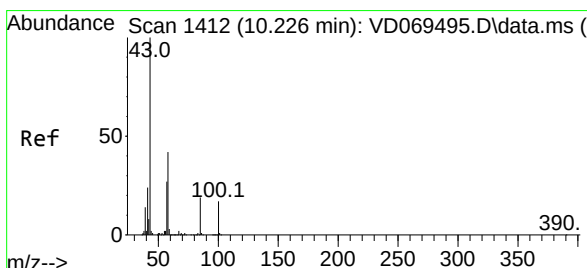
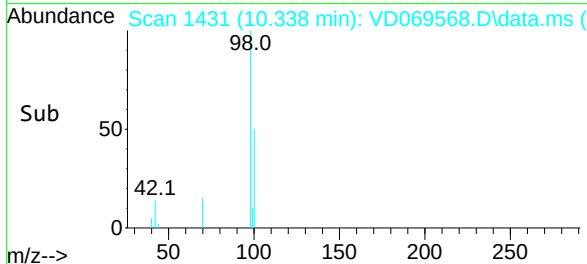
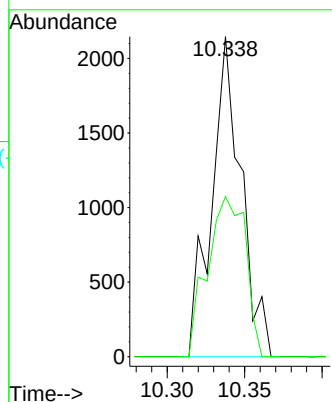
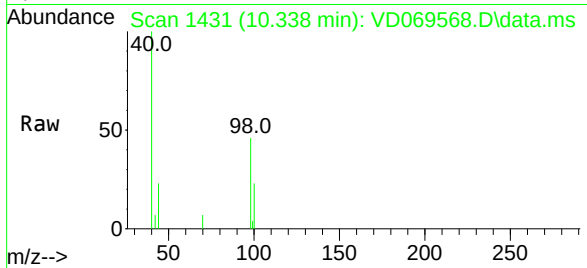




#50
Toluene-d8
Concen: 40.155 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

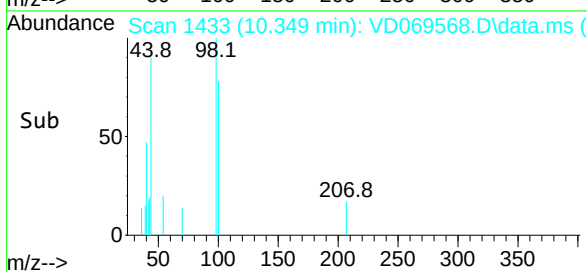
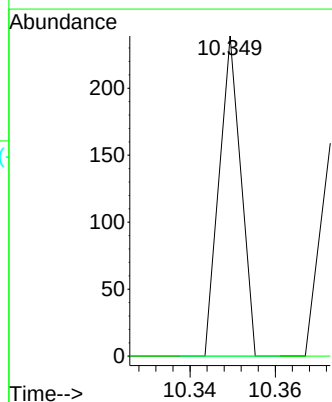
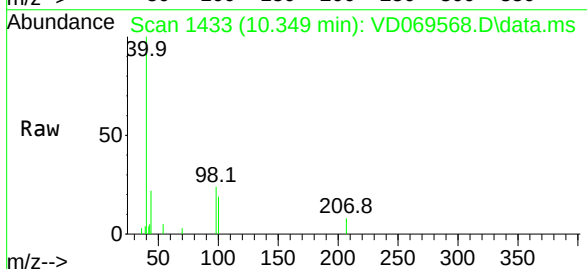
Instrument :
MSVOA_D
ClientSampleId :
SB-08-9.5-10.0

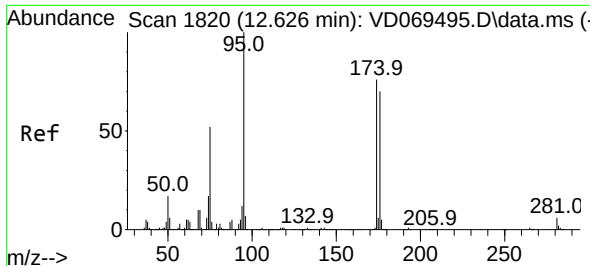
Tgt Ion: 98 Resp: 2859
Ion Ratio Lower Upper
98 100
100 64.4 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 8.598 ug/l
RT: 10.349 min Scan# 1433
Delta R.T. 0.123 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

Tgt Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
58 0.0 33.6 50.4#

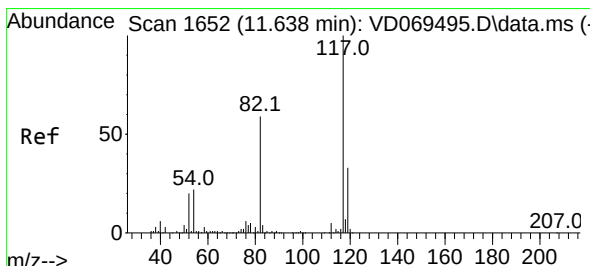
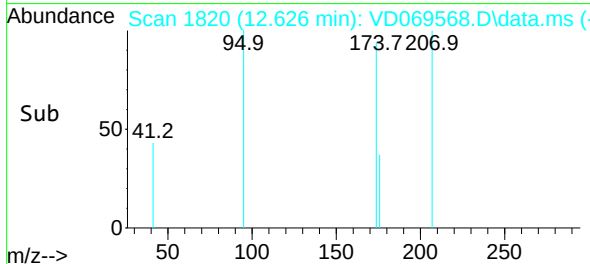
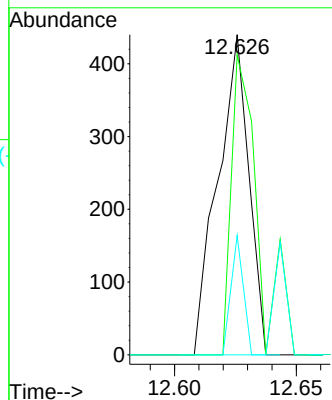
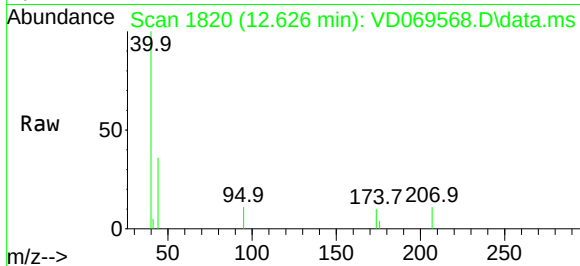




#62
4-Bromofluorobenzene
Concen: 16.619 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

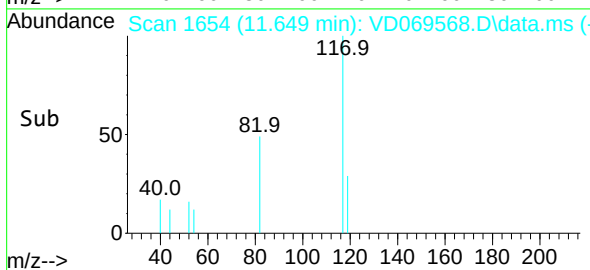
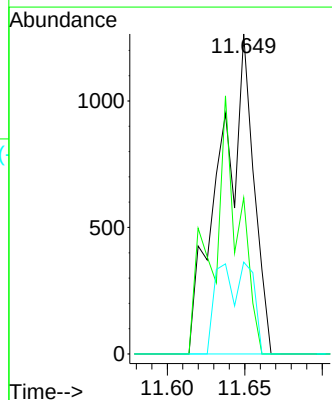
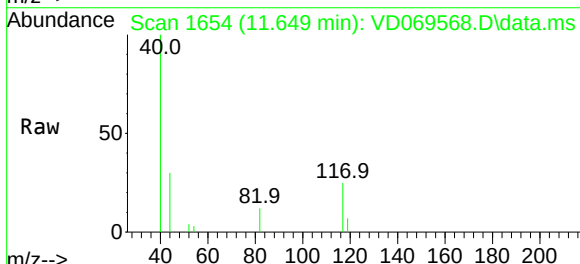
Instrument :
MSVOA_D
ClientSampleId :
SB-08-9.5-10.0

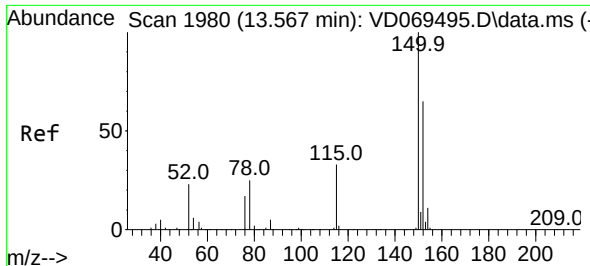
Tgt Ion:	95	Resp:	389
Ion	Ratio	Lower	Upper
95	100		
174	81.0	0.0	148.0
176	14.9	0.0	139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.012 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

Tgt Ion:	117	Resp:	1892
Ion	Ratio	Lower	Upper
117	100		
82	48.8	46.8	70.2
119	28.7	26.2	39.2

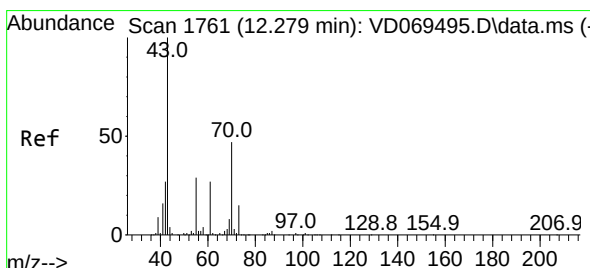
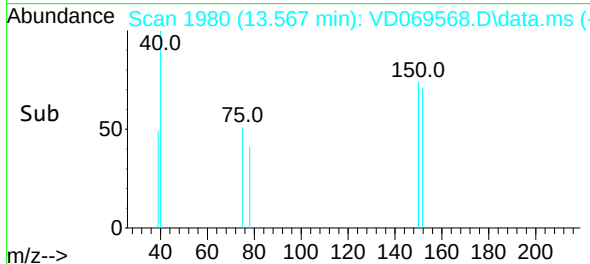
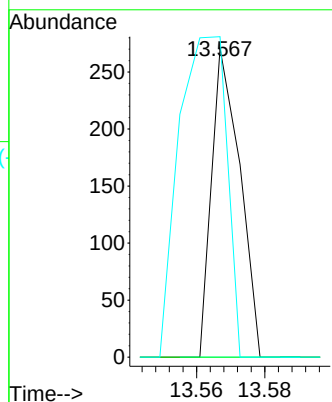
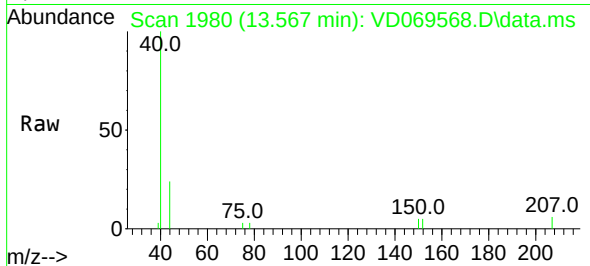




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

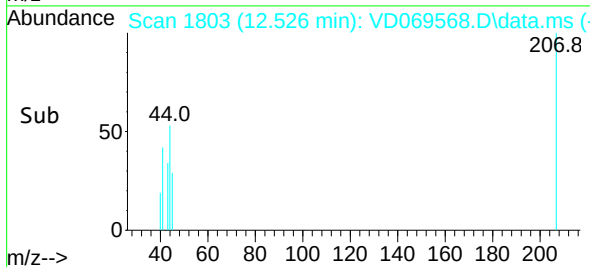
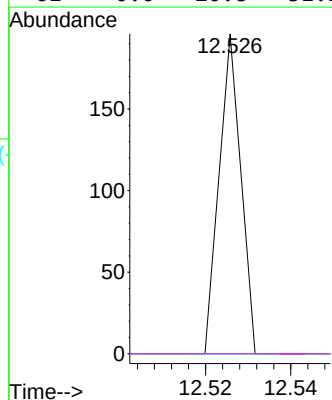
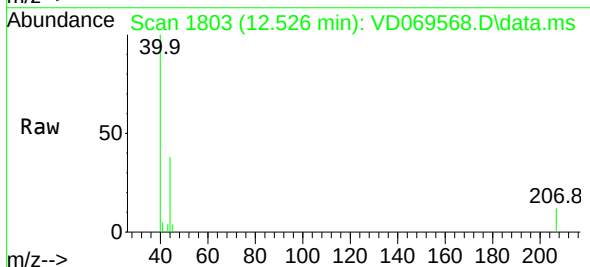
Instrument :
MSVOA_D
ClientSampleId :
SB-08-9.5-10.0

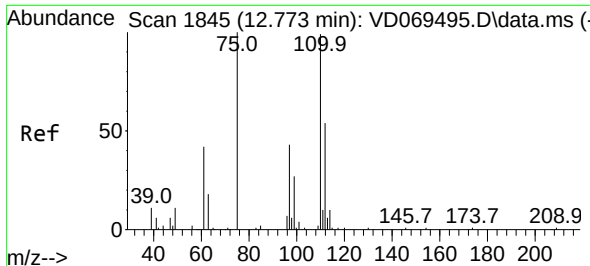
Tgt Ion:152 Resp: 155
Ion Ratio Lower Upper
152 100
115 0.0 31.7 95.1#
150 176.1 0.0 350.8



#74
N-ethyl acetate
Concen: 31.823 ug/l
RT: 12.526 min Scan# 1803
Delta R.T. 0.247 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
70 0.0 38.1 57.1#
55 0.0 24.1 36.1#
61 0.0 20.8 31.2#

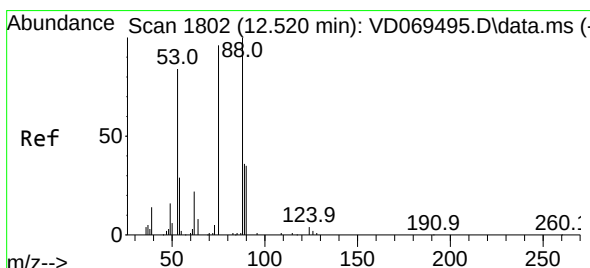
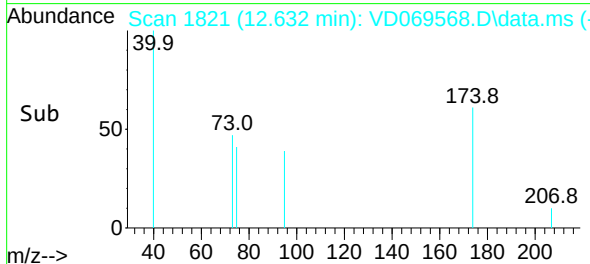
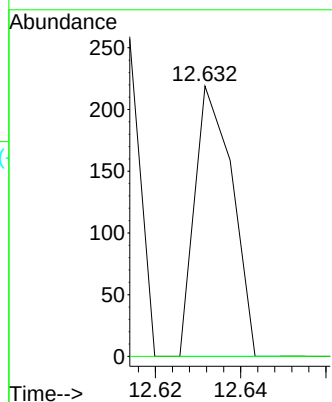
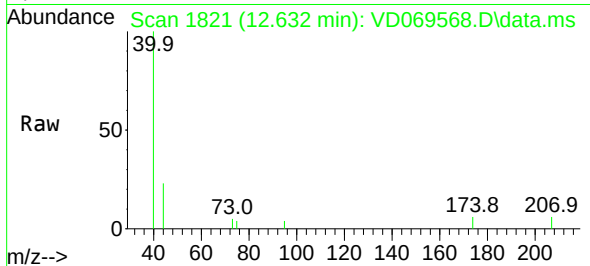




#76
1,2,3-Trichloropropane
Concen: 87.412 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.141 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

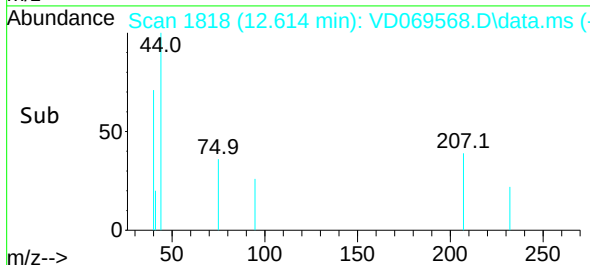
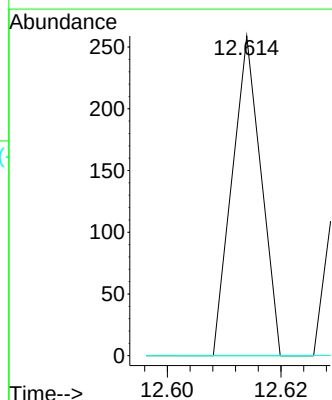
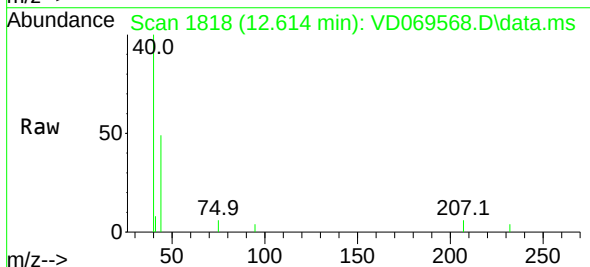
Instrument :
MSVOA_D
ClientSampleId :
SB-08-9.5-10.0

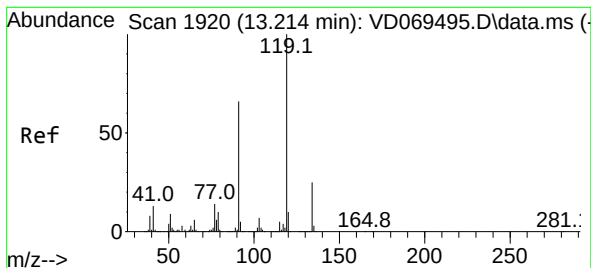
Tgt Ion: 75 Resp: 133
Ion Ratio Lower Upper
75 100
77 0.0 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 149.334 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.094 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

Tgt Ion: 75 Resp: 91
Ion Ratio Lower Upper
75 100
53 0.0 74.6 112.0#
89 0.0 35.3 52.9#

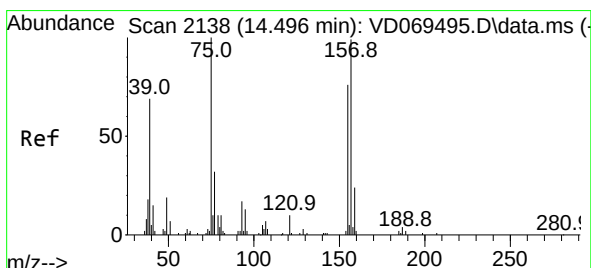
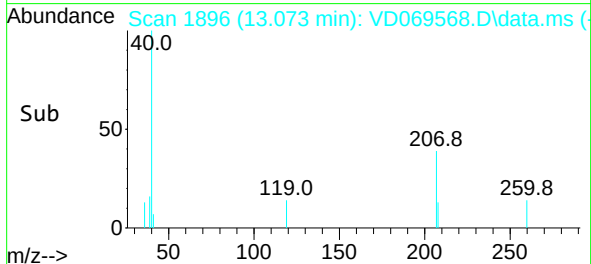
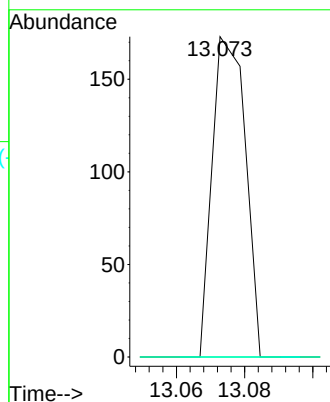
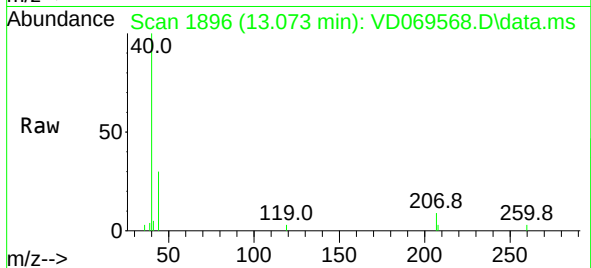




#83
tert-Butylbenzene
Concen: 15.830 ug/l
RT: 13.073 min Scan# 1896
Delta R.T. -0.141 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

Instrument :
MSVOA_D
ClientSampleId :
SB-08-9.5-10.0

Tgt Ion:119 Resp: 116
Ion Ratio Lower Upper
119 100
91 0.0 32.5 97.4#
134 0.0 12.9 38.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 181.280 ug/l
RT: 14.608 min Scan# 2157
Delta R.T. 0.112 min
Lab File: VD069568.D
Acq: 25 Jun 2021 16:18

Tgt Ion: 75 Resp: 59
Ion Ratio Lower Upper
75 100
155 0.0 39.4 118.1#
157 0.0 51.2 153.6#

