

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042021\
 Data File : VD068917.D
 Acq On : 20 Apr 2021 12:11
 Operator : VA/SY
 Sample : M2076-13RE
 Misc : 5.15G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 21 08:06:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

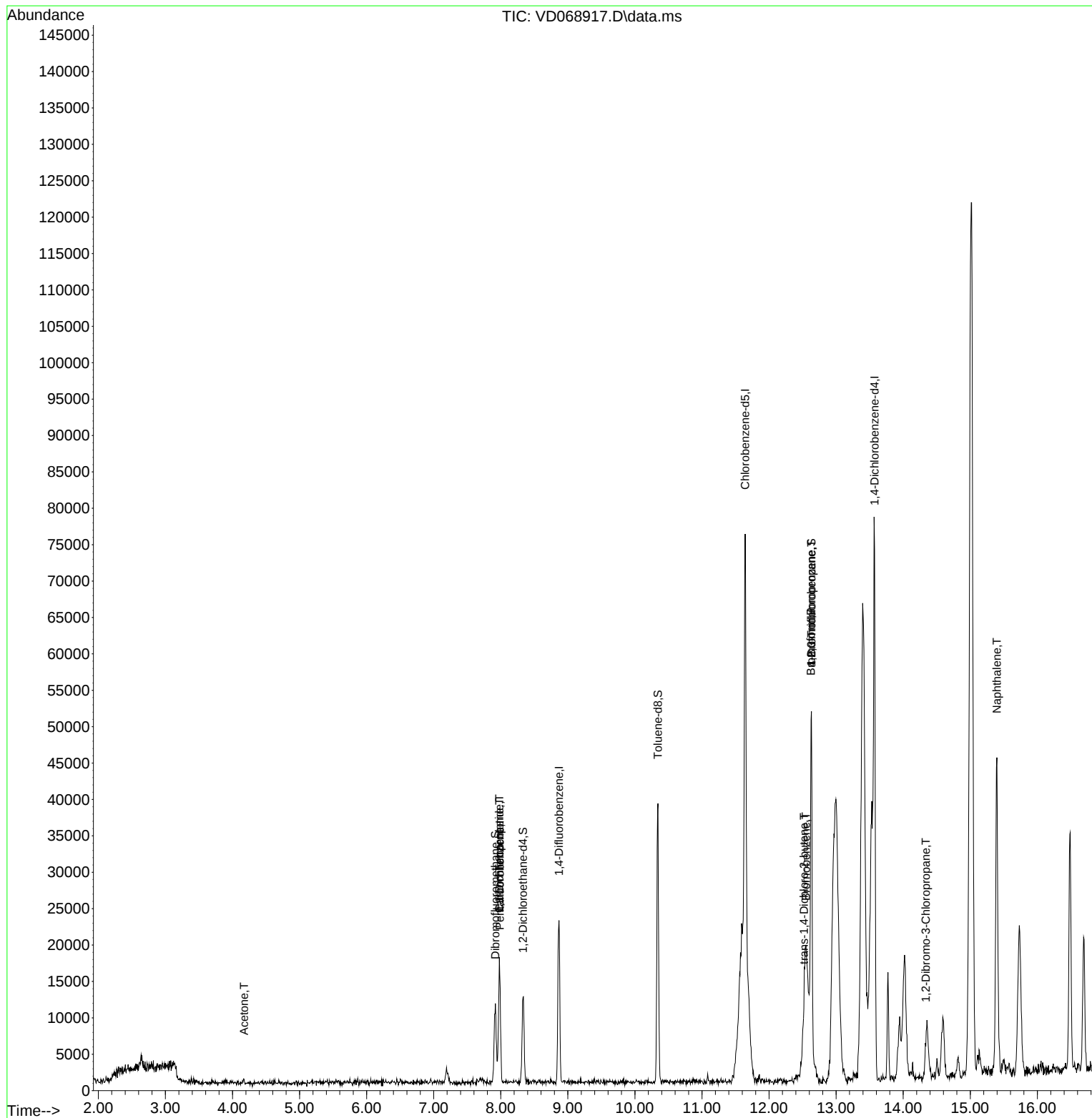
Internal Standards						
1) Pentafluorobenzene	7.985	168	13030	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.867	114	21734	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	32123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	22445	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	9414	68.36	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 136.72%			
35) Dibromofluoromethane	7.920	113	7749	54.81	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.62%			
50) Toluene-d8	10.344	98	28601	53.63	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.26%			
62) 4-Bromofluorobenzene	12.632	95	14476	81.73	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 163.46%#			
Target Compounds						
16) Acetone	4.173	43	448	23.49	ug/l	# 65
20) Methylene Chloride	4.985	84	59	Below Cal		# 61
36) 1,1-Dichloropropene	7.979	75	1031	4.69	ug/l	# 41
38) Carbon Tetrachloride	7.979	117	1123	5.16	ug/l	# 12
71) Bromoform	12.626	173	205	1.53	ug/l	# 1
76) 1,2,3-Trichloropropane	12.632	75	8345	40.70	ug/l	# 100
77) Bromobenzene	12.549	156	12577	31.92	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.520	75	303	3.43	ug/l	# 39
92) 1,2-Dibromo-3-Chloropr...	14.337	75	59	1.27	ug/l	# 1
95) Naphthalene	15.396	128	39658	54.47	ug/l	99

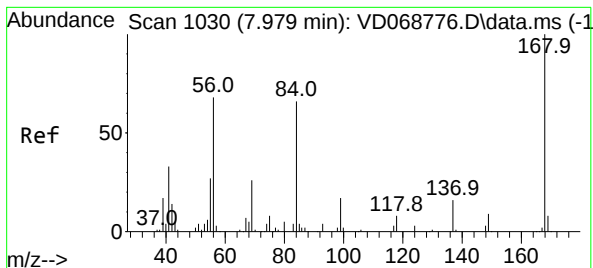
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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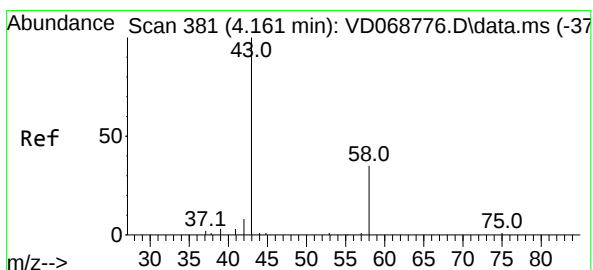
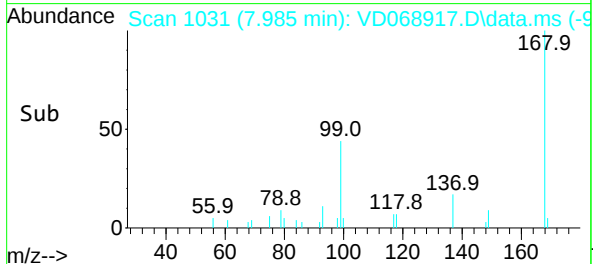
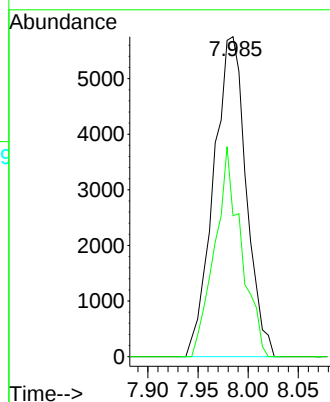
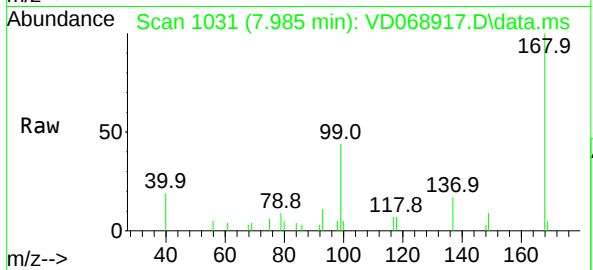




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068917.D
Acq: 20 Apr 2021 12:11

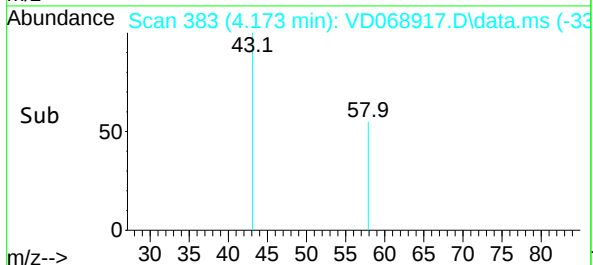
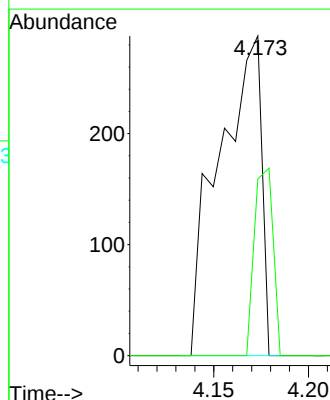
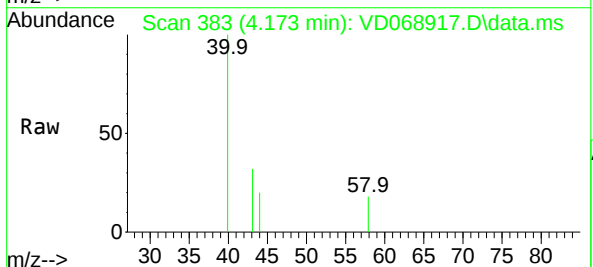
Instrument :
MSVOA_D
ClientSampleId :

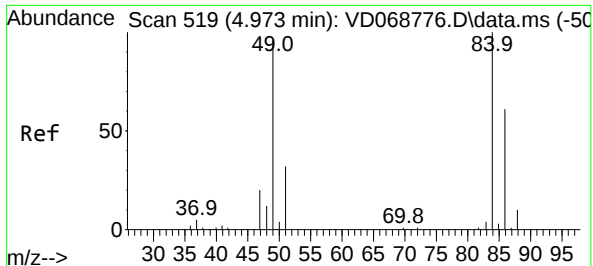
Tgt Ion:168 Resp: 13030
Ion Ratio Lower Upper
168 100
99 44.1 46.2 69.2#



#16
Acetone
Concen: 23.49 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.012 min
Lab File: VD068917.D
Acq: 20 Apr 2021 12:11

Tgt Ion: 43 Resp: 448
Ion Ratio Lower Upper
43 100
58 55.2 28.0 42.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.985 min Scan# 521

Delta R.T. 0.012 min

Lab File: VD068917.D

Acq: 20 Apr 2021 12:11

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 84 Resp: 59

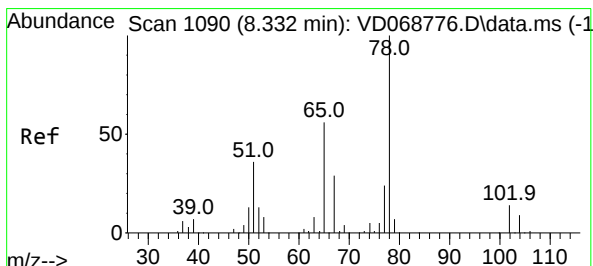
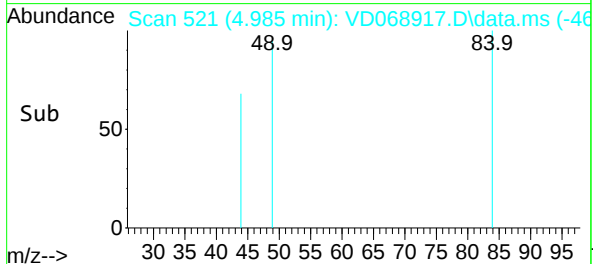
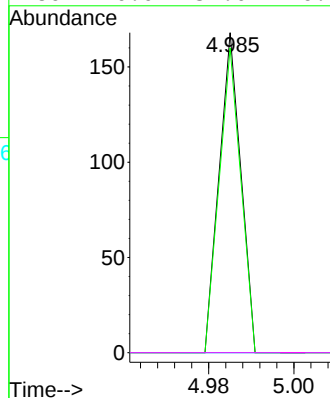
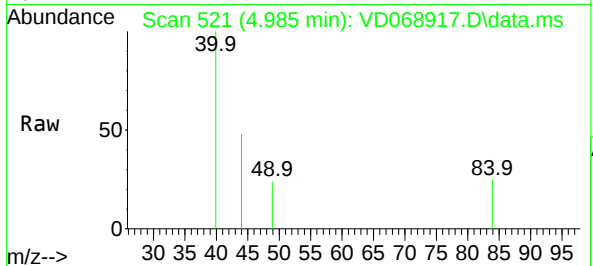
Ion Ratio Lower Upper

84 100

49 95.2 83.4 125.0

51 0.0 23.4 35.2#

86 0.0 51.0 76.4#



#33

1,2-Dichloroethane-d4

Concen: 68.36 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VD068917.D

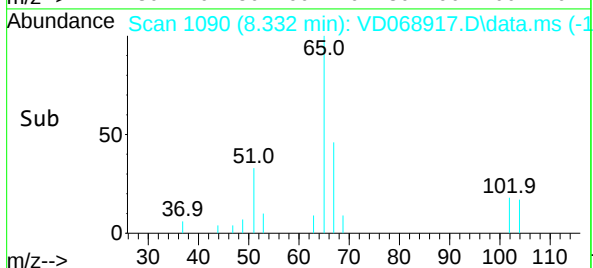
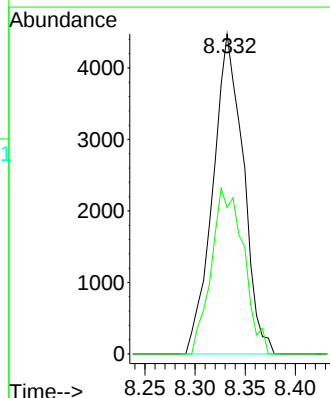
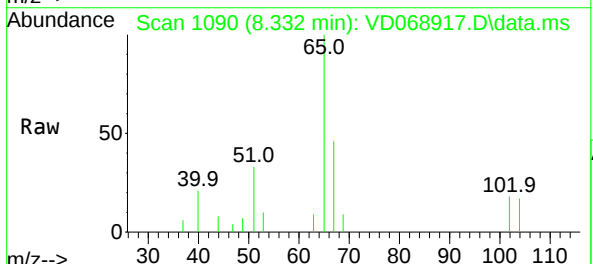
Acq: 20 Apr 2021 12:11

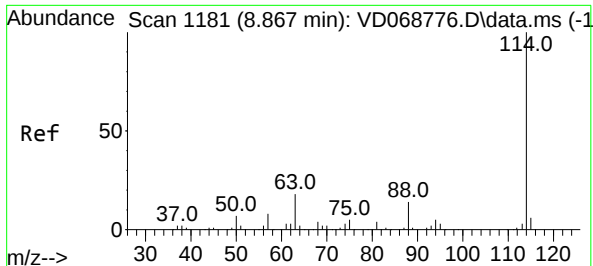
Tgt Ion: 65 Resp: 9414

Ion Ratio Lower Upper

65 100

67 55.0 0.0 106.0

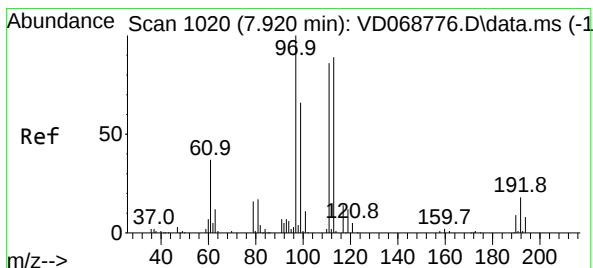
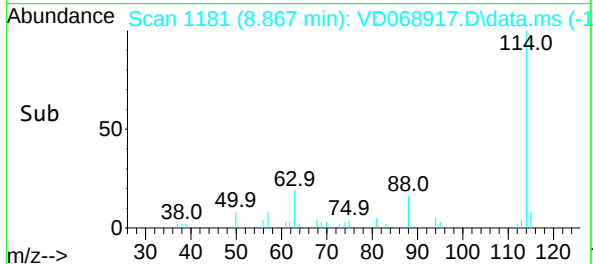
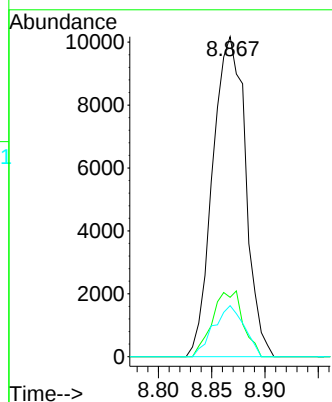
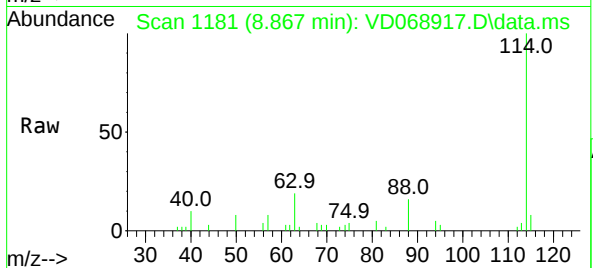




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068917.D
Acq: 20 Apr 2021 12:11

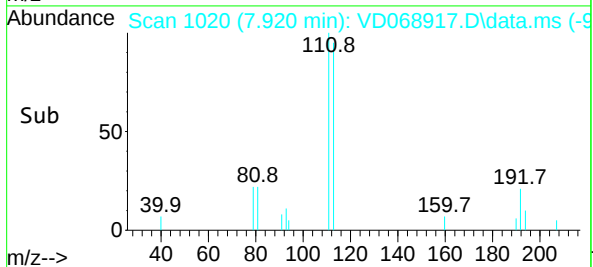
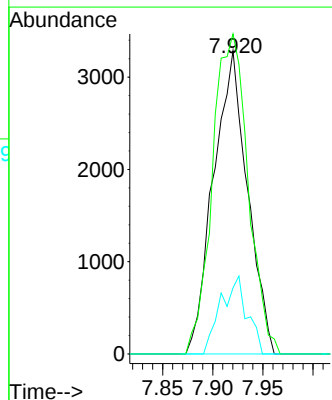
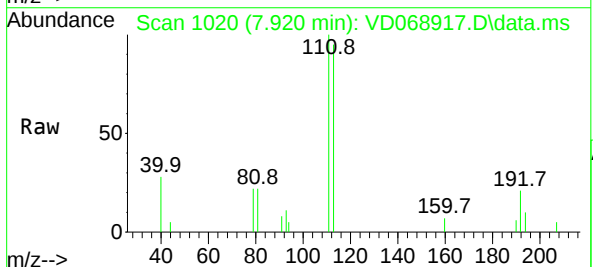
Instrument :
MSVOA_D
ClientSampleId :

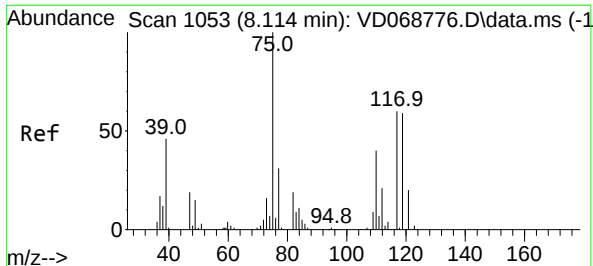
Tgt Ion:114 Resp: 21734
Ion Ratio Lower Upper
114 100
63 18.6 0.0 38.2
88 16.0 0.0 29.4



#35
Dibromofluoromethane
Concen: 54.81 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068917.D
Acq: 20 Apr 2021 12:11

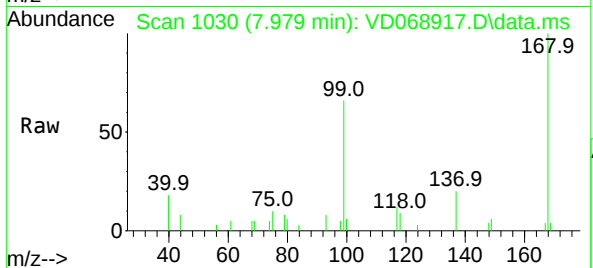
Tgt Ion:113 Resp: 7749
Ion Ratio Lower Upper
113 100
111 110.7 82.5 123.7
192 19.9 15.1 22.7



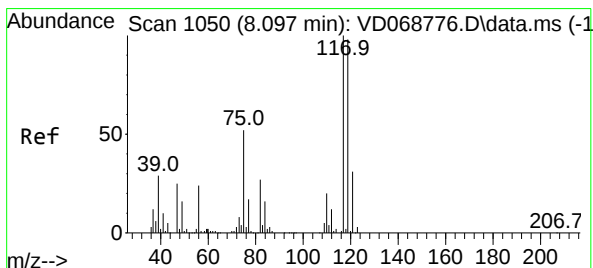
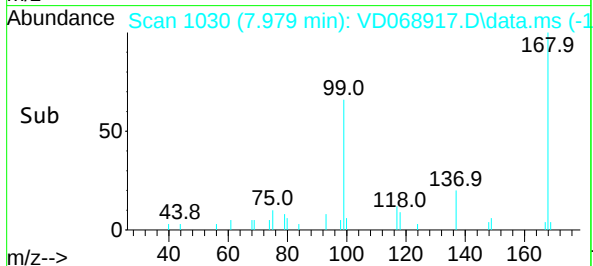
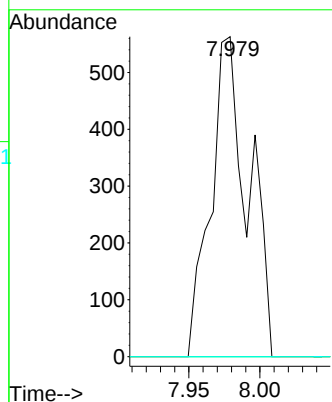


#36
1,1-Dichloropropene
Concen: 4.69 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068917.D
Acq: 20 Apr 2021 12:11

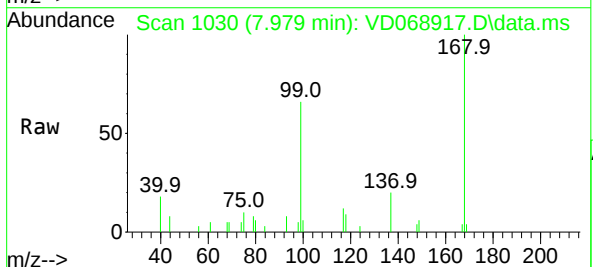
Instrument :
MSVOA_D
ClientSampleId :



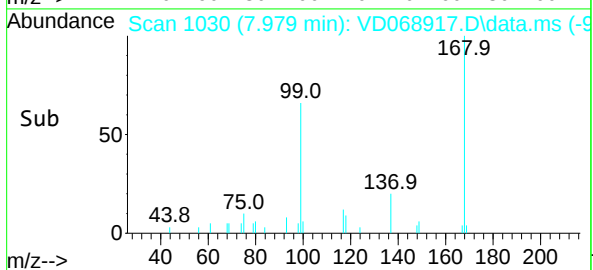
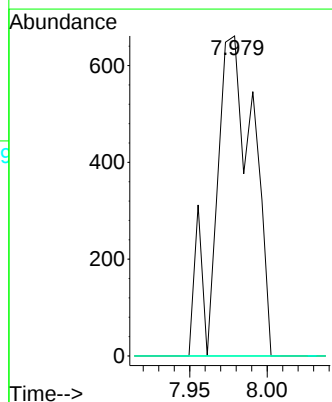
Tgt Ion: 75 Resp: 1031
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.4#
77 0.0 24.7 37.1#

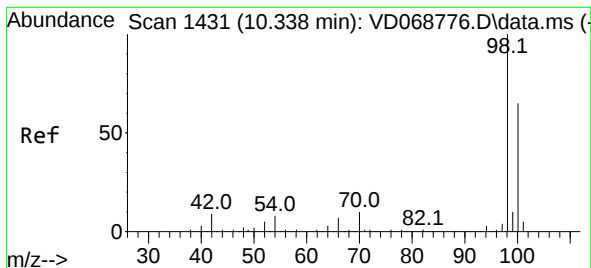


#38
Carbon Tetrachloride
Concen: 5.16 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD068917.D
Acq: 20 Apr 2021 12:11



Tgt Ion: 117 Resp: 1123
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 26.1 39.1#

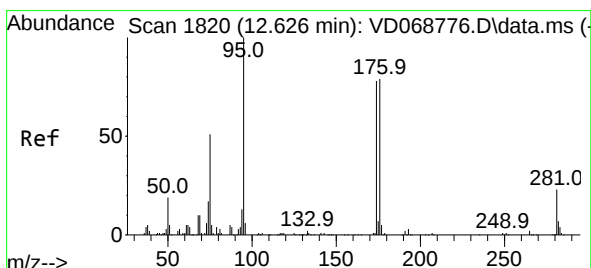
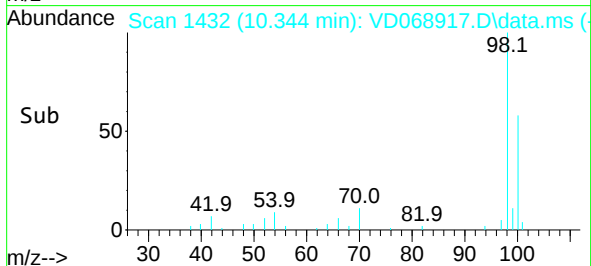
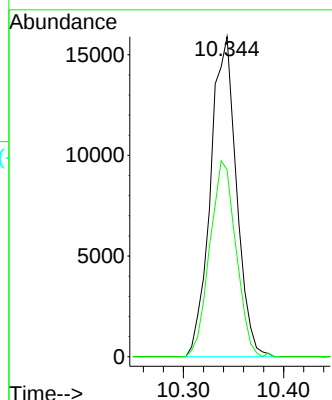
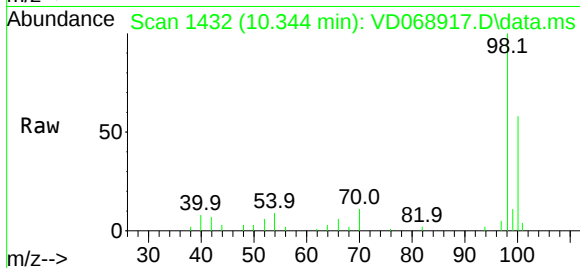




#50
Toluene-d8
Concen: 53.63 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VD068917.D
Acq: 20 Apr 2021 12:11

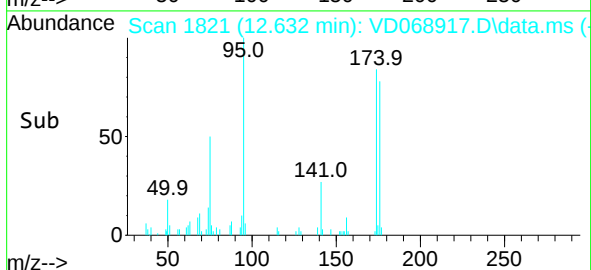
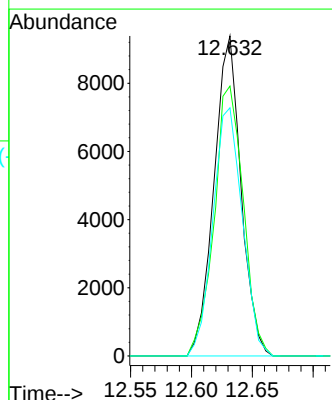
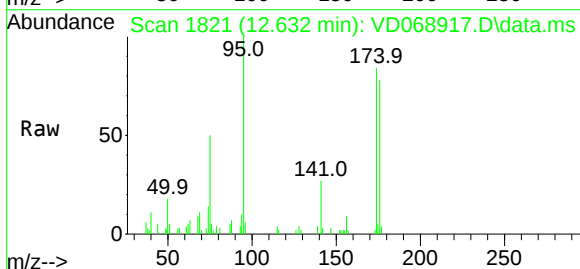
Instrument :
MSVOA_D
ClientSampleId :

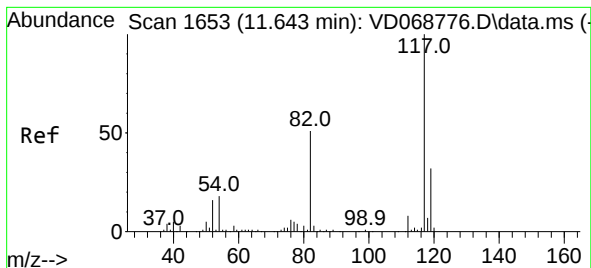
Tgt Ion: 98 Resp: 28601
Ion Ratio Lower Upper
98 100
100 61.7 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 81.73 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068917.D
Acq: 20 Apr 2021 12:11

Tgt Ion: 95 Resp: 14476
Ion Ratio Lower Upper
95 100
174 91.1 0.0 168.0
176 84.5 0.0 160.2

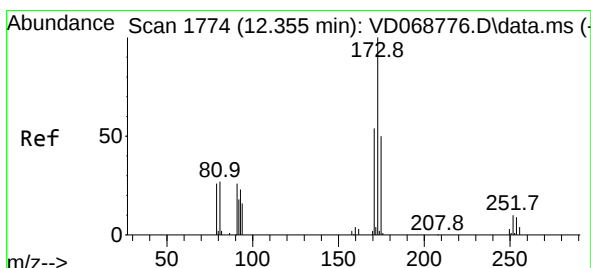
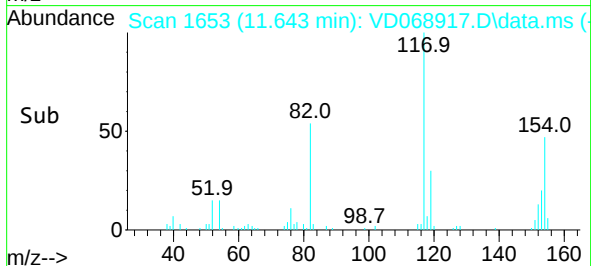
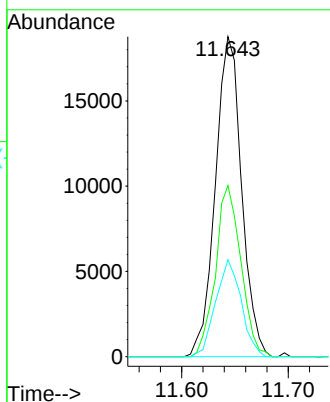
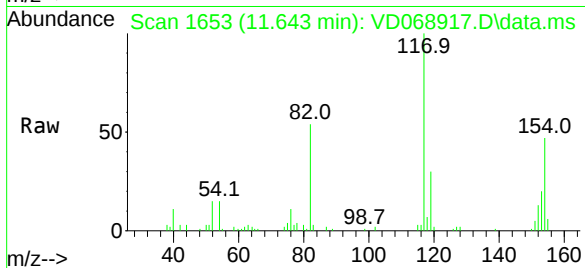




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068917.D
Acq: 20 Apr 2021 12:11

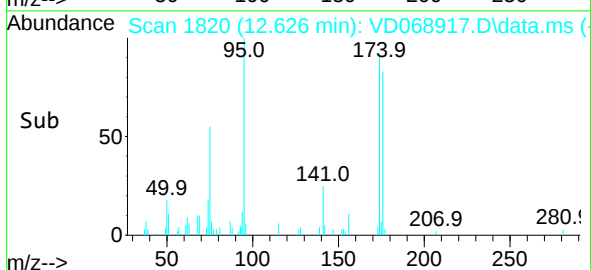
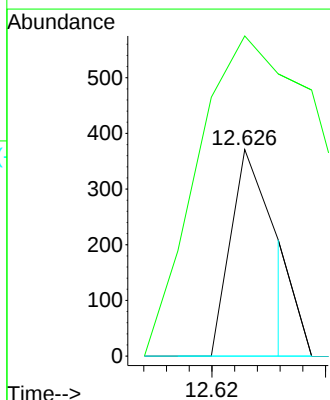
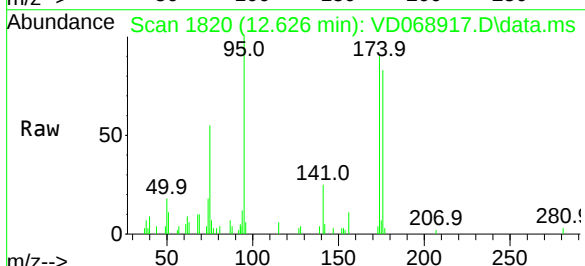
Instrument :
MSVOA_D
ClientSampleId :

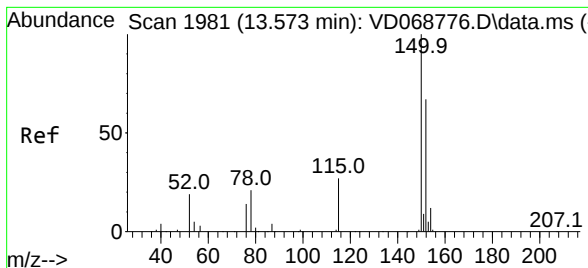
Tgt Ion:	117	Resp:	32123
Ion Ratio	Lower	Upper	
117	100		
82	53.5	43.5	65.3
119	30.3	26.7	40.1



#71
Bromoform
Concen: 1.53 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD068917.D
Acq: 20 Apr 2021 12:11

Tgt Ion:	173	Resp:	205
Ion Ratio	Lower	Upper	
173	100		
175	298.5	23.6	71.0#
254	0.0	0.0	0.0

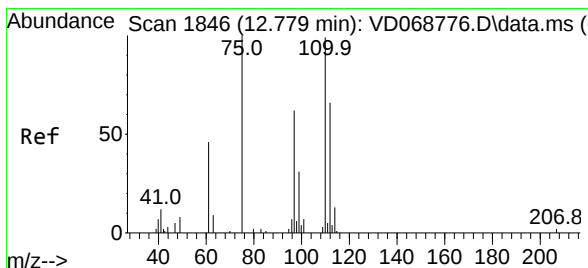
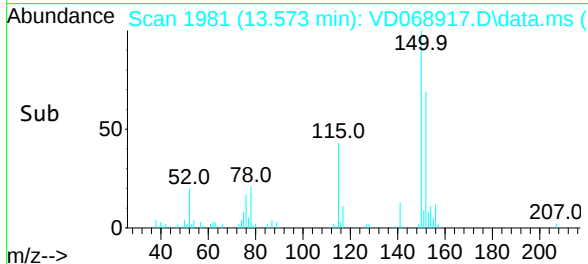
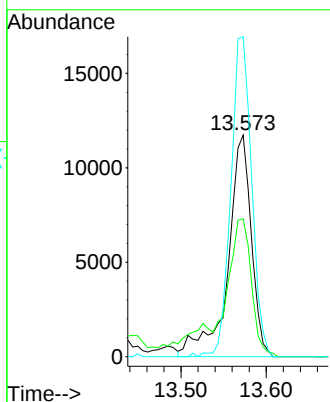
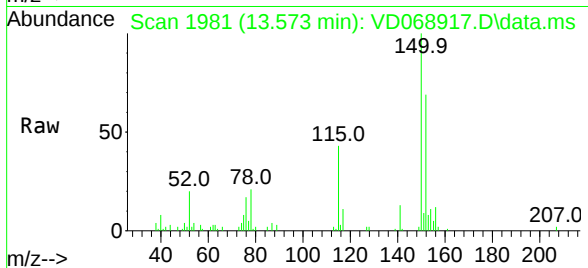




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068917.D
Acq: 20 Apr 2021 12:11

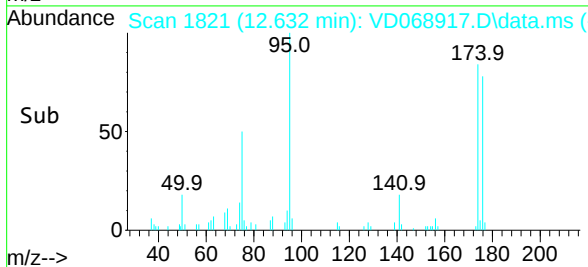
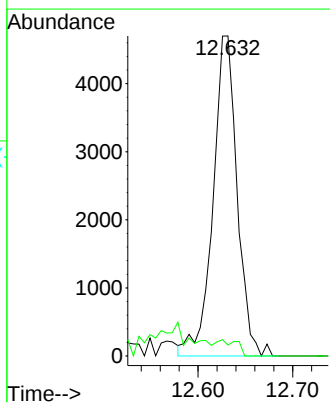
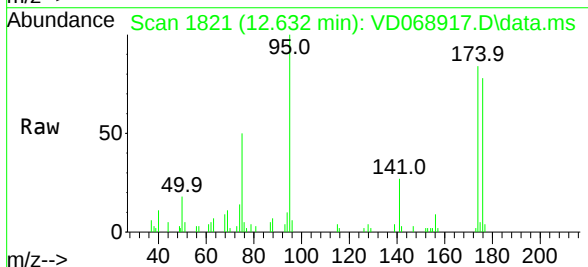
Instrument :
MSVOA_D
ClientSampleId :

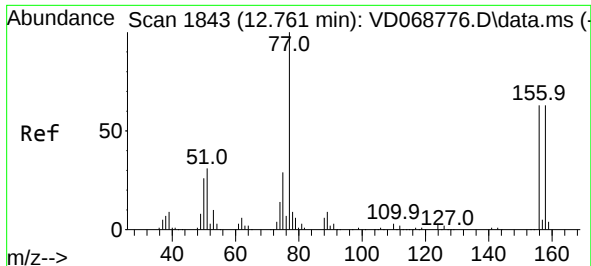
Tgt Ion:152 Resp: 22445
Ion Ratio Lower Upper
152 100
115 61.0 29.3 87.8
150 127.9 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 40.70 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD068917.D
Acq: 20 Apr 2021 12:11

Tgt Ion: 75 Resp: 8345
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

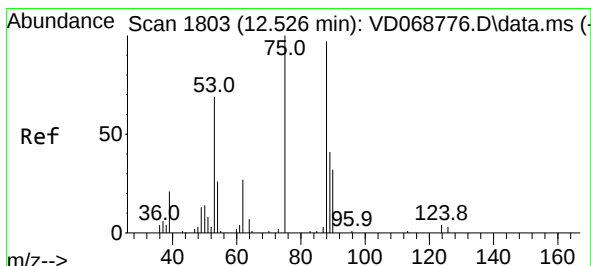
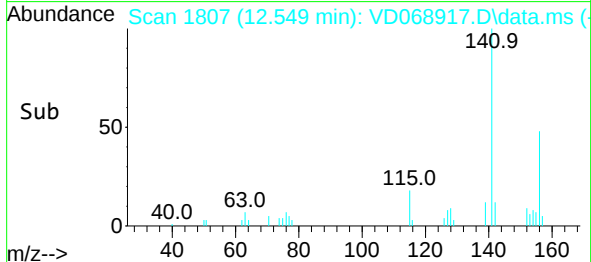
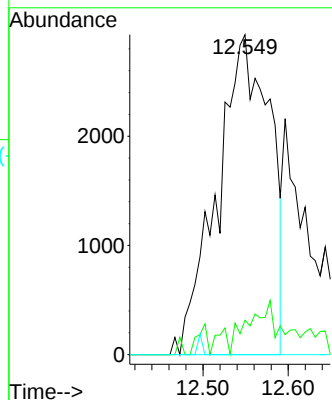
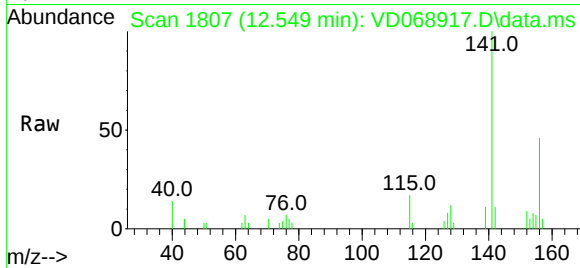




#77
Bromobenzene
Concen: 31.92 ug/l
RT: 12.549 min Scan# 1807
Delta R.T. -0.212 min
Lab File: VD068917.D
Acq: 20 Apr 2021 12:11

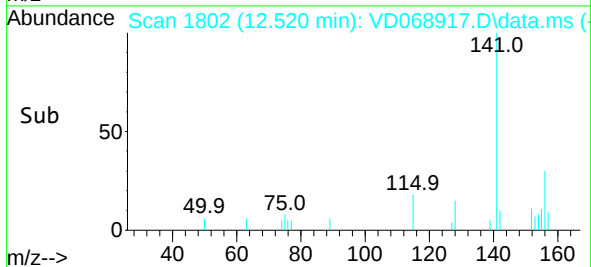
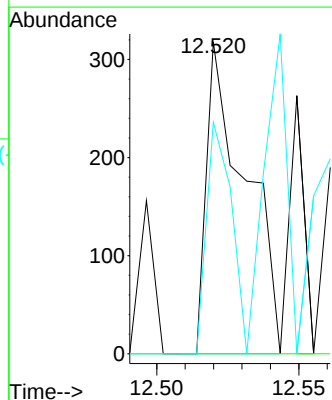
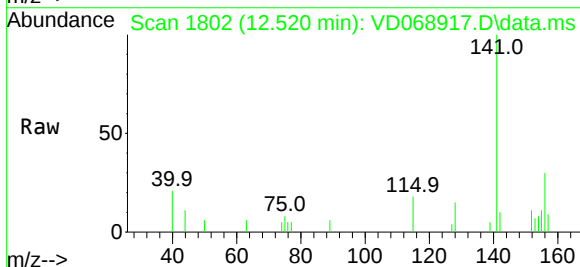
Instrument :
MSVOA_D
ClientSampleId :

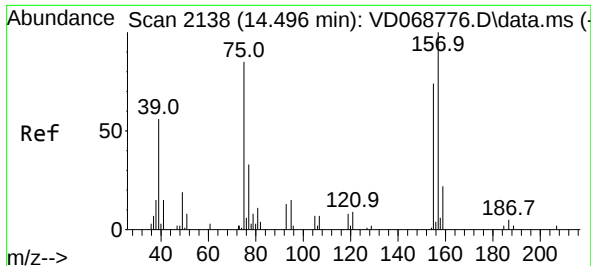
Tgt Ion:156 Resp: 12577
Ion Ratio Lower Upper
156 100
77 0.0 88.9 266.8#
158 0.0 47.7 143.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 3.43 ug/l
RT: 12.520 min Scan# 1802
Delta R.T. -0.006 min
Lab File: VD068917.D
Acq: 20 Apr 2021 12:11

Tgt Ion: 75 Resp: 303
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 47.2 36.6 54.8

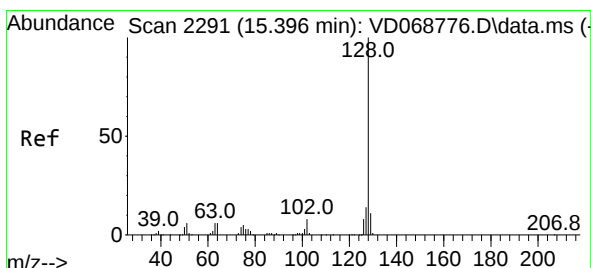
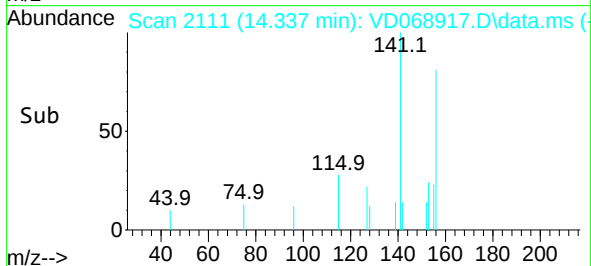
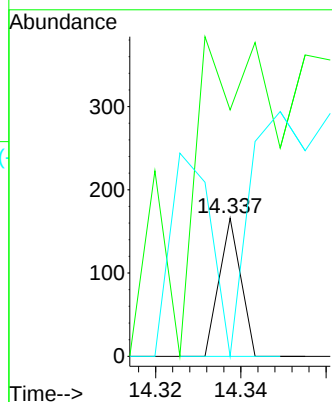
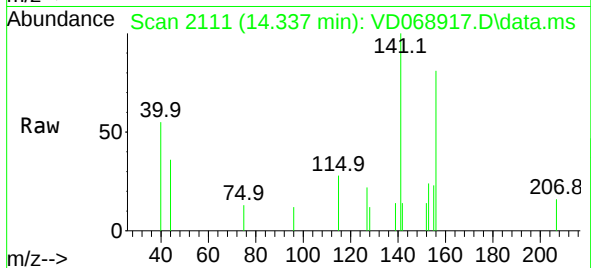




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.27 ug/l
RT: 14.337 min Scan# 2111
Delta R.T. -0.159 min
Lab File: VD068917.D
Acq: 20 Apr 2021 12:11

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 59
Ion Ratio Lower Upper
75 100
155 915.3 46.8 140.3#
157 271.2 59.8 179.3#



#95
Naphthalene
Concen: 54.47 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD068917.D
Acq: 20 Apr 2021 12:11

Tgt Ion:128 Resp: 39658
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 10.7 8.9 13.3

