

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012221\
 Data File : VD068159.D
 Acq On : 22 Jan 2021 17:11
 Operator : VA/SY
 Sample : M1220-05
 Misc : 5.76G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP1-C

Quant Time: Jan 23 00:00:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

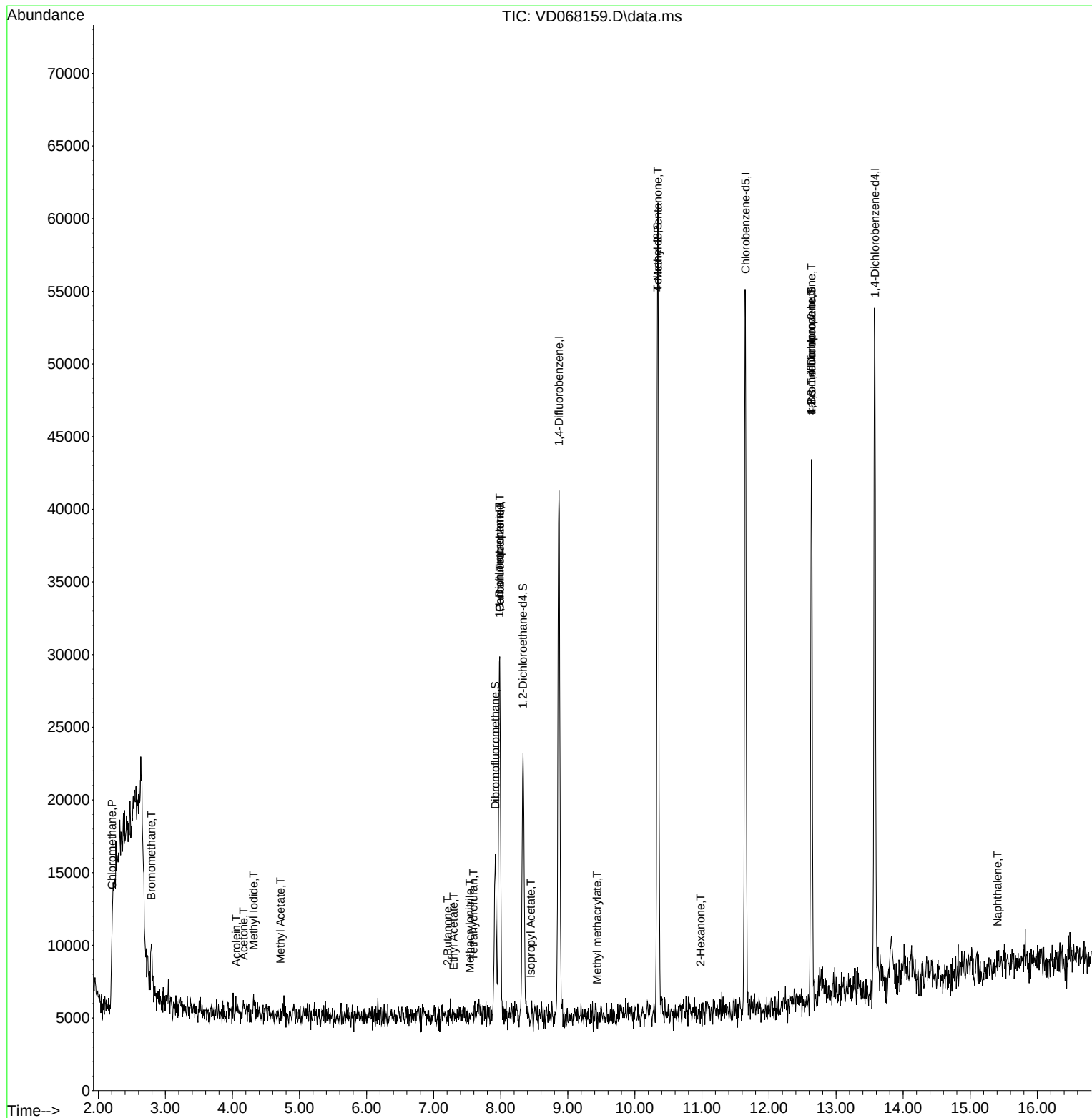
Internal Standards						
1) Pentafluorobenzene	7.985	168	18689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	33141	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.650	117	28346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	13322	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	14284	79.90	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 159.80%			
35) Dibromofluoromethane	7.920	113	8155	44.51	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 89.02%			
50) Toluene-d8	10.338	98	38992	53.20	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.40%			
62) 4-Bromofluorobenzene	12.632	95	13474	51.05	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.10%			
Target Compounds					Qvalue	
3) Chloromethane	2.203	50	775	3.24	ug/l #	43
5) Bromomethane	2.791	94	1813	9.94	ug/l #	76
10) Methyl Iodide	4.315	142	1289	8.45	ug/l #	44
13) Acrolein	4.056	56	62	4.40	ug/l #	55
16) Acetone	4.168	43	1027	32.17	ug/l #	44
18) Methyl Acetate	4.715	43	222	2.68	ug/l #	43
20) Methylene Chloride	4.973	84	65	Below Cal	#	14
25) 2-Butanone	7.209	43	100	2.08	ug/l #	43
29) Tetrahydrofuran	7.591	42	62	1.99	ug/l #	26
36) 1,1-Dichloropropene	7.979	75	1605	4.80	ug/l #	39
37) Ethyl Acetate	7.297	43	380	3.21	ug/l #	64
38) Carbon Tetrachloride	7.985	117	1874	5.99	ug/l #	12
41) Methacrylonitrile	7.538	41	261	3.66	ug/l #	42
43) Isopropyl Acetate	8.450	43	267	1.08	ug/l #	46
48) Methyl methacrylate	9.438	41	123	1.00	ug/l #	10
51) 4-Methyl-2-Pentanone	10.344	43	668	5.83	ug/l	96
59) 2-Hexanone	10.979	43	283	3.56	ug/l #	19
76) 1,2,3-Trichloropropane	12.632	75	6668	51.77	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	6668	104.75	ug/l #	13
95) Naphthalene	15.408	128	681	1.35	ug/l #	80

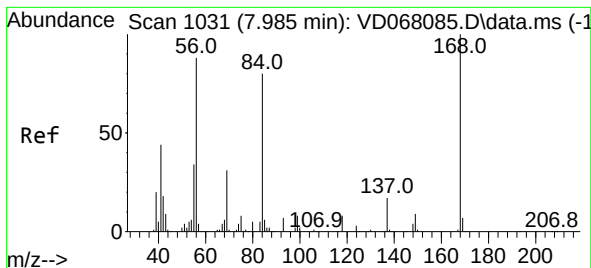
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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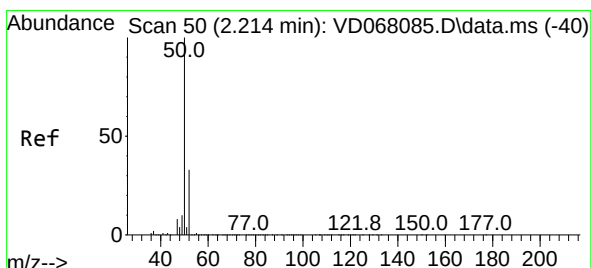
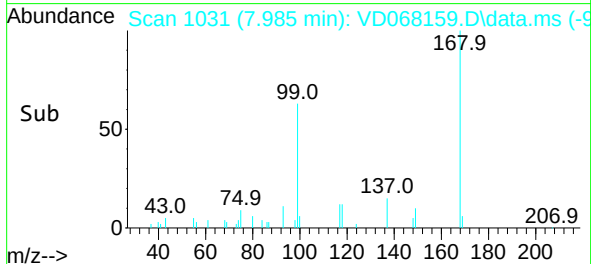
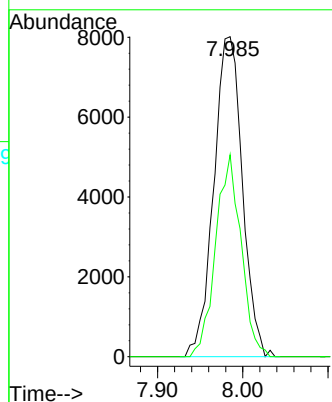
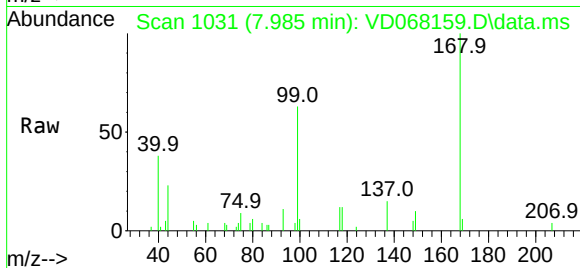




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD068159.D
Acq: 22 Jan 2021 17:11

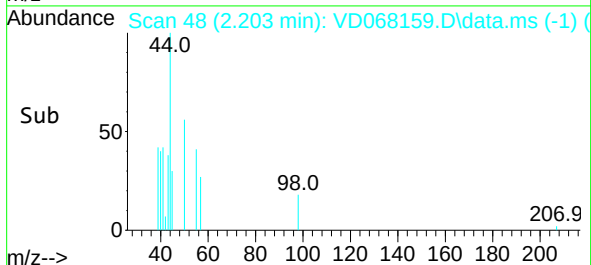
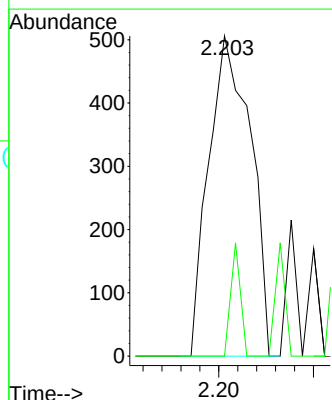
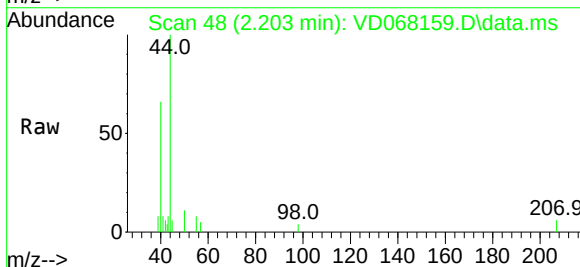
Instrument :
MSVOA_D
ClientSampleId :
SP1-C

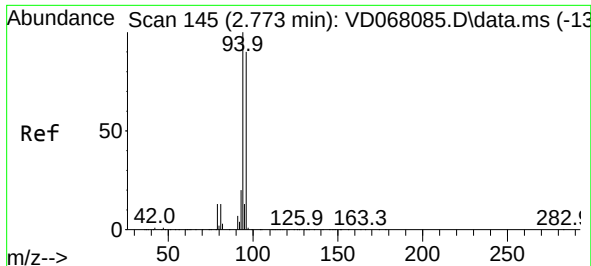
Tgt Ion:168 Resp: 18689
Ion Ratio Lower Upper
168 100
99 63.1 43.5 65.3



#3
Chloromethane
Concen: 3.24 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.011 min
Lab File: VD068159.D
Acq: 22 Jan 2021 17:11

Tgt Ion: 50 Resp: 775
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

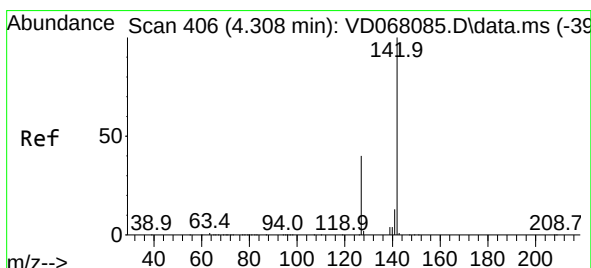
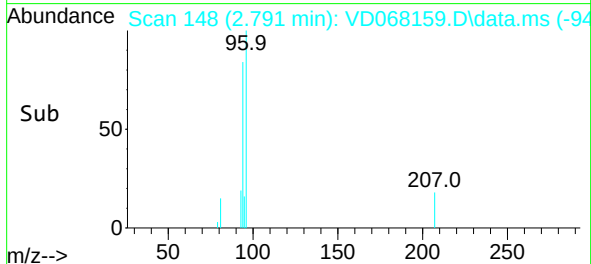
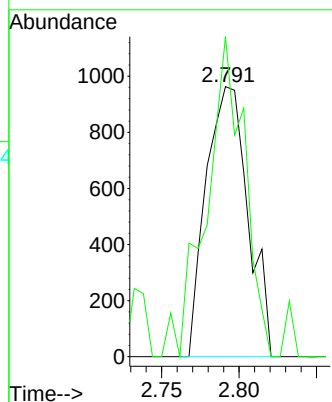
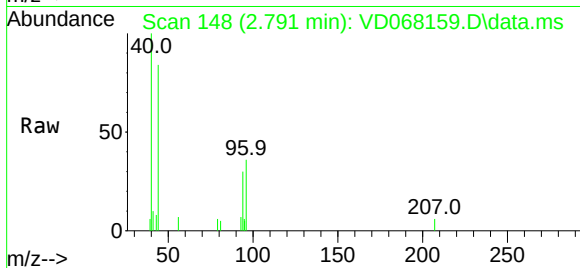




#5
Bromomethane
Concen: 9.94 ug/l
RT: 2.791 min Scan# 148
Delta R.T. 0.018 min
Lab File: VD068159.D
Acq: 22 Jan 2021 17:11

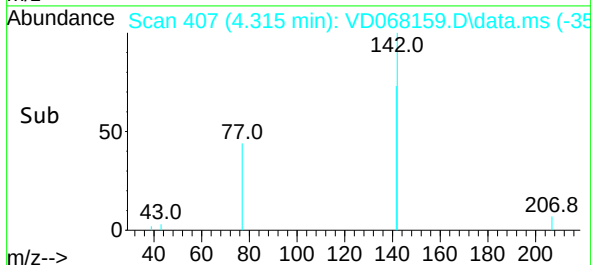
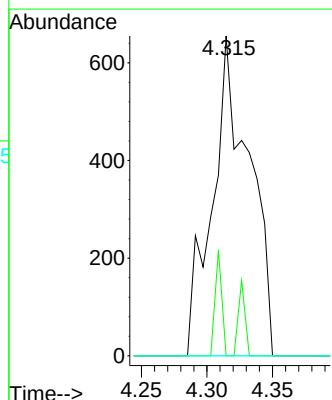
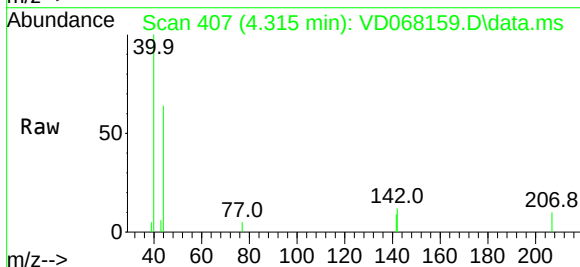
Instrument :
MSVOA_D
ClientSampled :
SP1-C

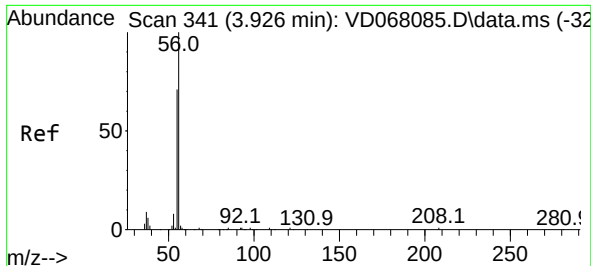
Tgt Ion: 94 Resp: 1813
Ion Ratio Lower Upper
94 100
96 118.5 75.8 113.8#



#10
Methyl Iodide
Concen: 8.45 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.007 min
Lab File: VD068159.D
Acq: 22 Jan 2021 17:11

Tgt Ion: 142 Resp: 1289
Ion Ratio Lower Upper
142 100
127 6.0 37.9 56.9#
141 0.0 11.5 17.3#

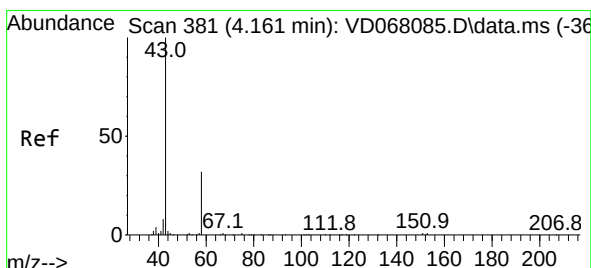
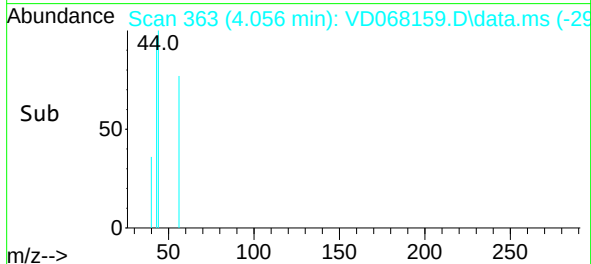
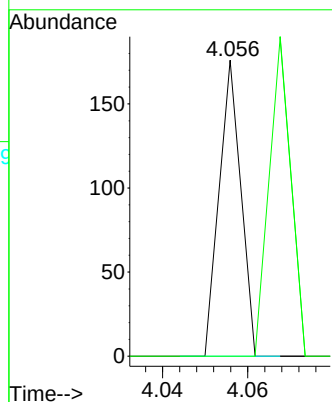
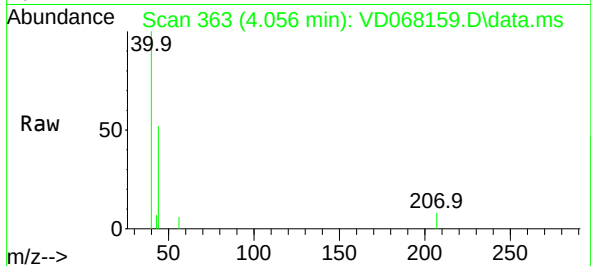




#13
Acrolein
Concen: 4.40 ug/l
RT: 4.056 min Scan# 363
Delta R.T. 0.130 min
Lab File: VD068159.D
Acq: 22 Jan 2021 17:11

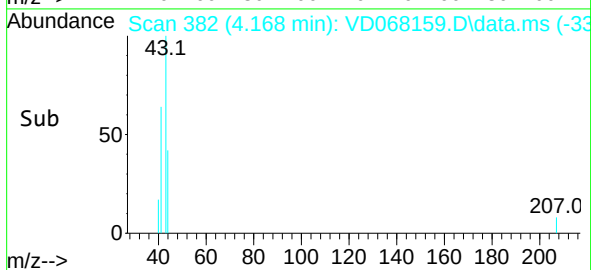
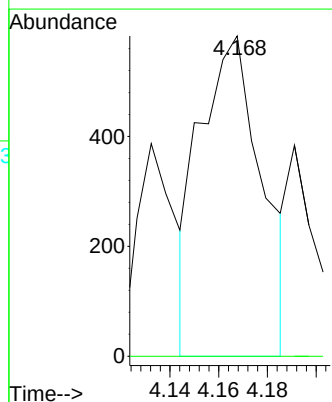
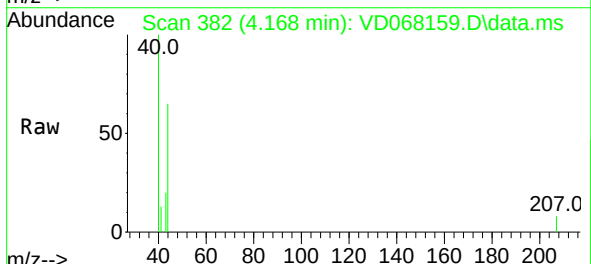
Instrument :
MSVOA_D
ClientSampleId :
SP1-C

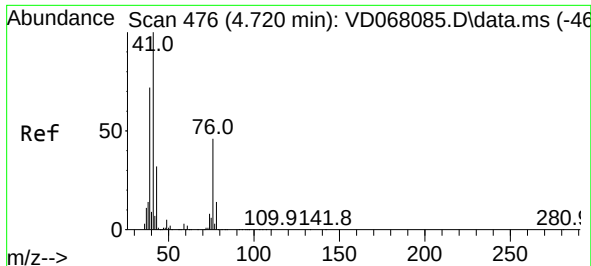
Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 108.1 56.5 84.7#



#16
Acetone
Concen: 32.17 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD068159.D
Acq: 22 Jan 2021 17:11

Tgt Ion: 43 Resp: 1027
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.4#

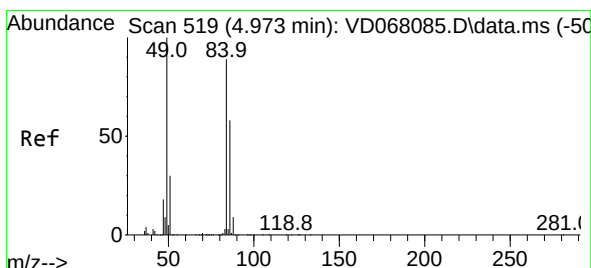
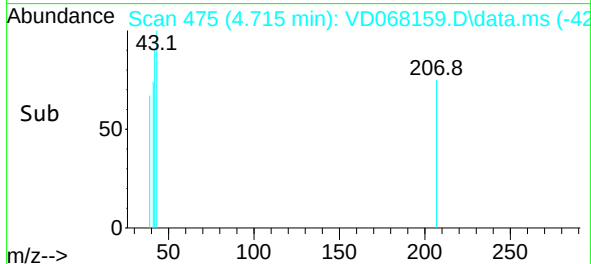
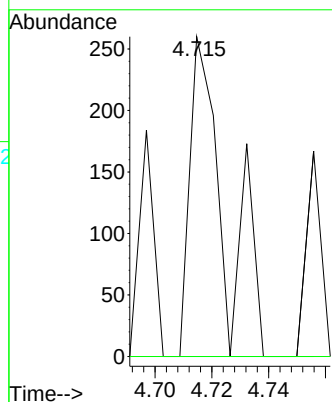
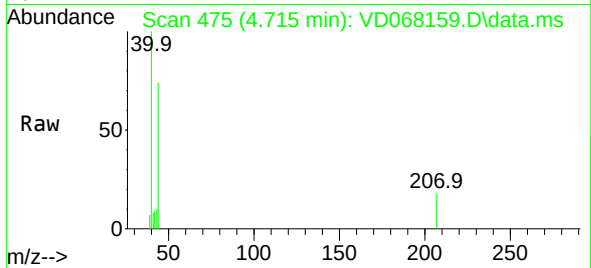




#18
Methyl Acetate
Concen: 2.68 ug/l
RT: 4.715 min Scan# 475
Delta R.T. -0.005 min
Lab File: VD068159.D
Acq: 22 Jan 2021 17:11

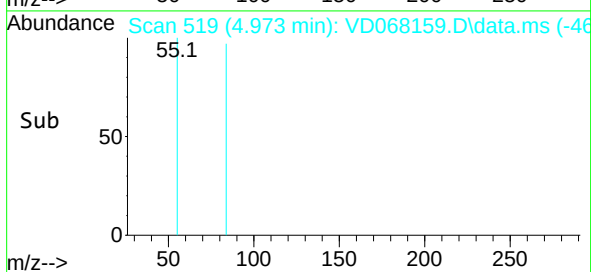
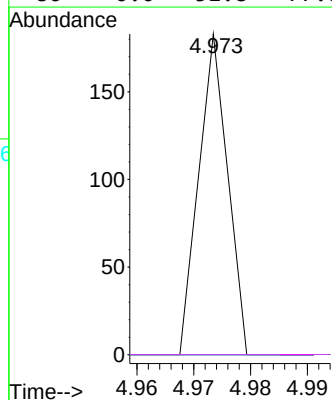
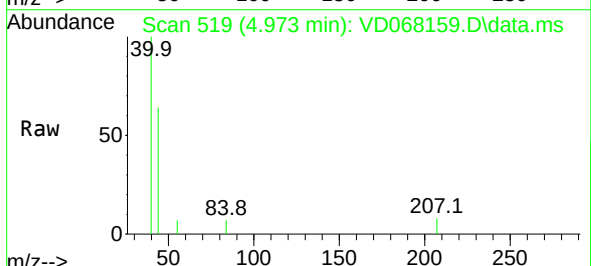
Instrument :
MSVOA_D
ClientSampleId :
SP1-C

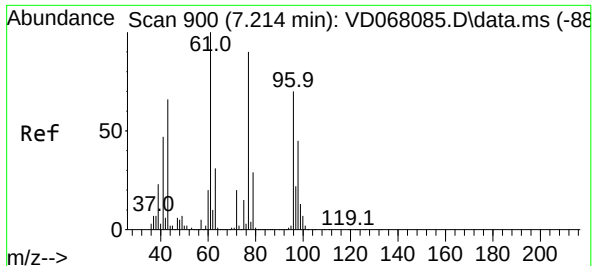
Tgt Ion: 43 Resp: 222
Ion Ratio Lower Upper
43 100
74 0.0 25.4 38.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068159.D
Acq: 22 Jan 2021 17:11

Tgt Ion: 84 Resp: 65
Ion Ratio Lower Upper
84 100
49 0.0 77.4 116.2#
51 0.0 26.1 39.1#
86 0.0 51.8 77.8#

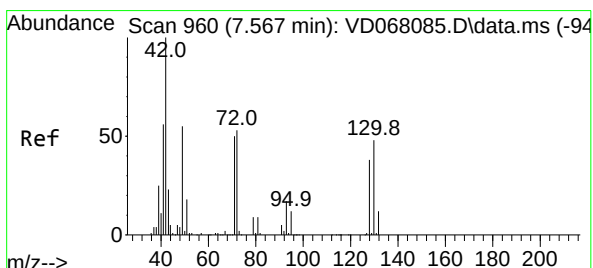
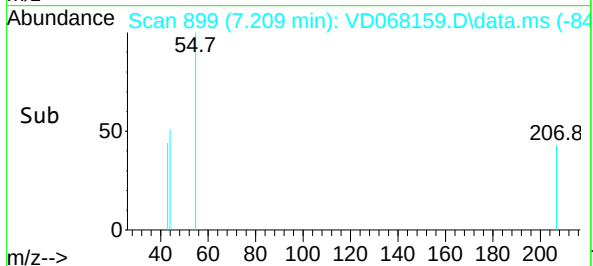
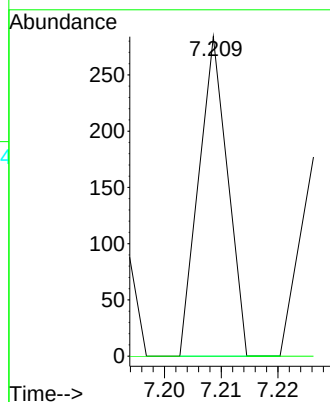
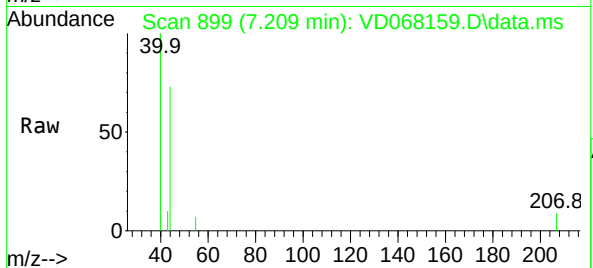




#25
2-Butanone
Concen: 2.08 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD068159.D
Acq: 22 Jan 2021 17:11

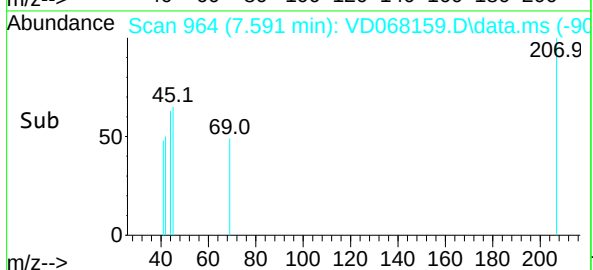
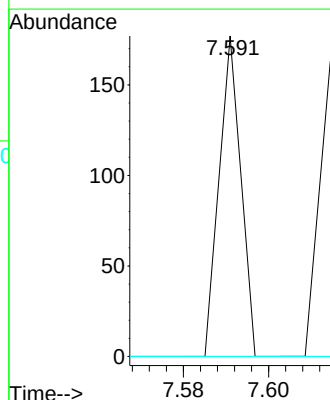
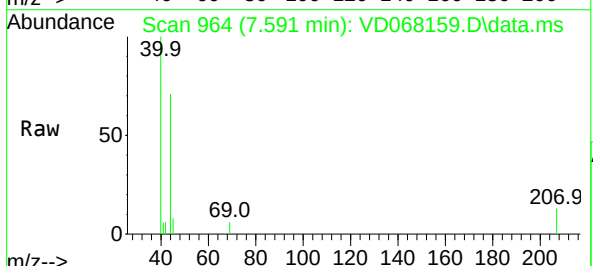
Instrument :
MSVOA_D
ClientSampleId :
SP1-C

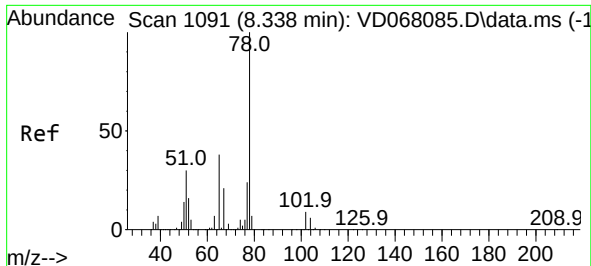
Tgt Ion: 43 Resp: 100
Ion Ratio Lower Upper
43 100
72 0.0 25.1 37.7#



#29
Tetrahydrofuran
Concen: 1.99 ug/l
RT: 7.591 min Scan# 964
Delta R.T. 0.024 min
Lab File: VD068159.D
Acq: 22 Jan 2021 17:11

Tgt Ion: 42 Resp: 62
Ion Ratio Lower Upper
42 100
72 0.0 43.4 65.0#
71 0.0 40.8 61.2#

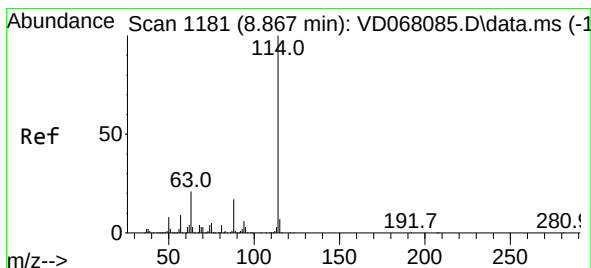
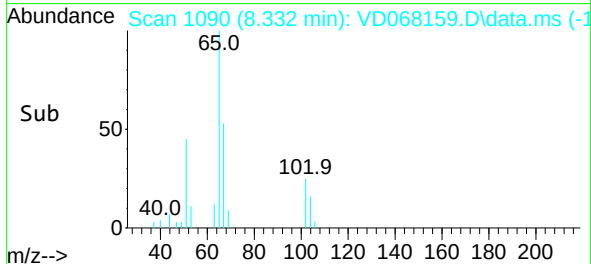
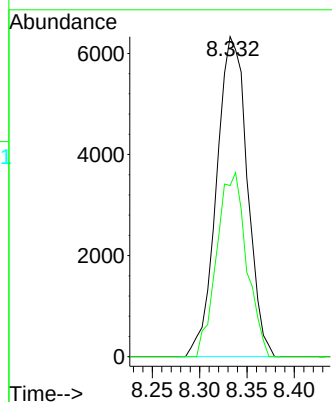
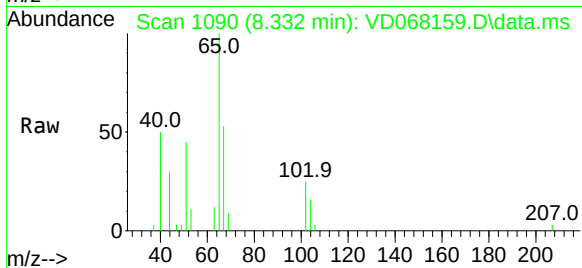




#33
 1,2-Dichloroethane-d4
 Concen: 79.90 ug/l
 RT: 8.332 min Scan# 1090
 Delta R.T. -0.005 min
 Lab File: VD068159.D
 Acq: 22 Jan 2021 17:11

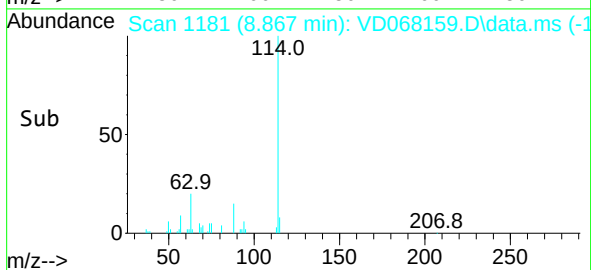
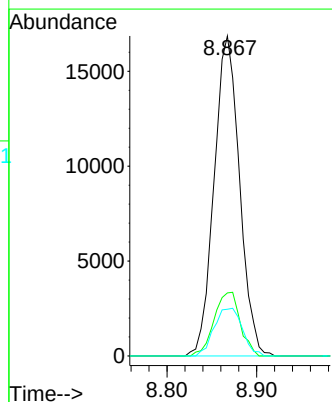
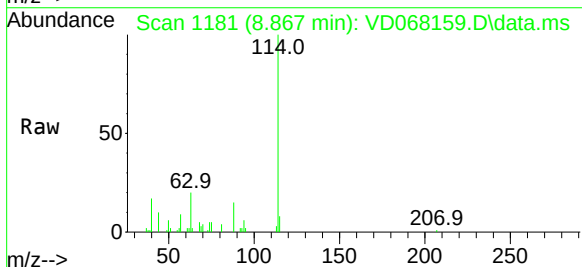
Instrument :
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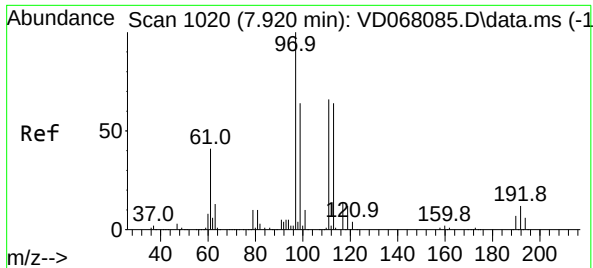
Tgt Ion: 65 Resp: 14284
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.867 min Scan# 1181
 Delta R.T. 0.000 min
 Lab File: VD068159.D
 Acq: 22 Jan 2021 17:11

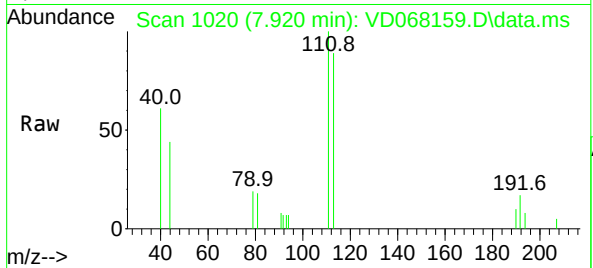
Tgt Ion: 114 Resp: 33141
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 34.8
 88 14.6 0.0 31.6



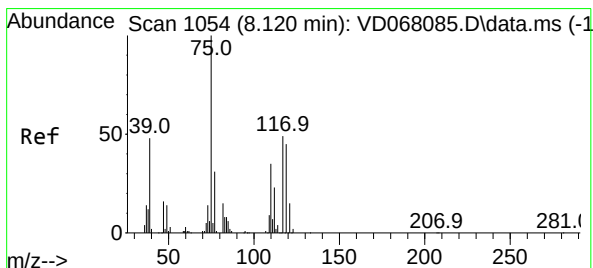
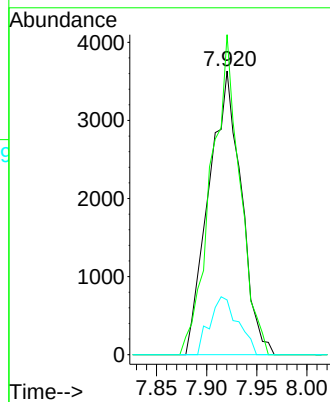
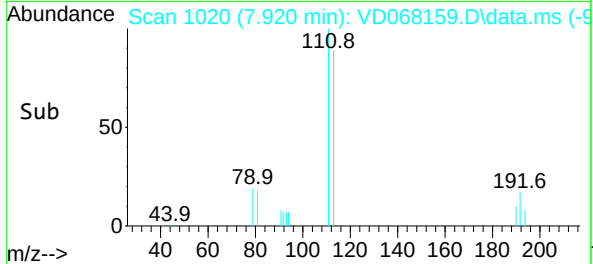


#35
Dibromofluoromethane
Concen: 44.51 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068159.D
Acq: 22 Jan 2021 17:11

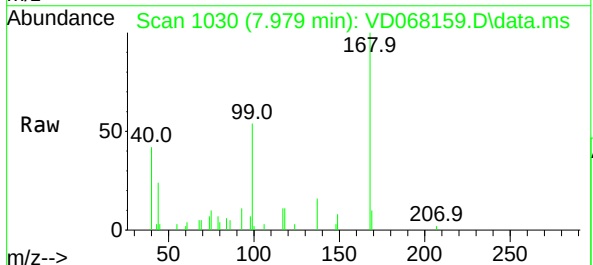
Instrument :
MSVOA_D
ClientSampleId :
SP1-C



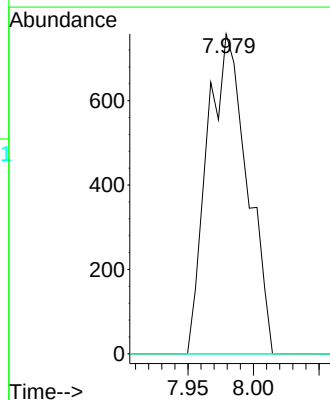
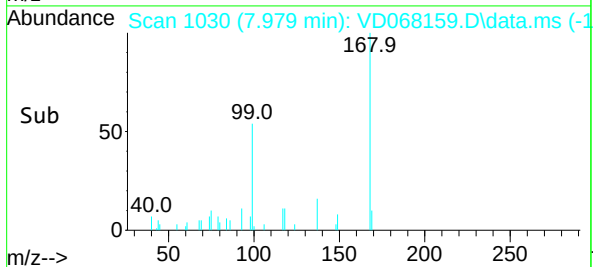
Tgt Ion:113 Resp: 8155
Ion Ratio Lower Upper
113 100
111 100.5 81.4 122.0
192 17.7 16.1 24.1

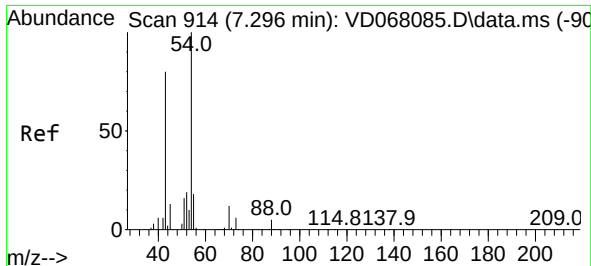


#36
1,1-Dichloropropene
Concen: 4.80 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.141 min
Lab File: VD068159.D
Acq: 22 Jan 2021 17:11



Tgt Ion: 75 Resp: 1605
Ion Ratio Lower Upper
75 100
110 0.0 19.4 58.2#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 3.21 ug/l

RT: 7.297 min Scan# 914

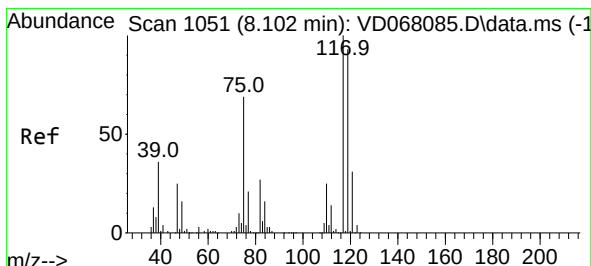
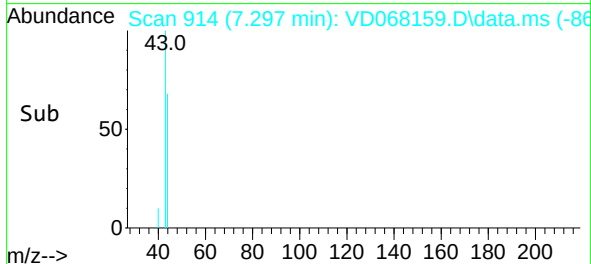
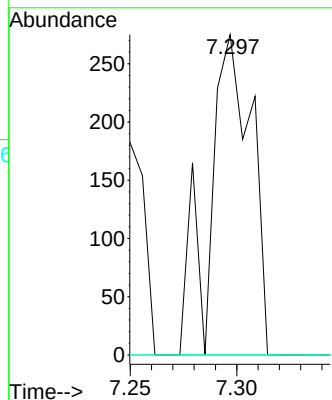
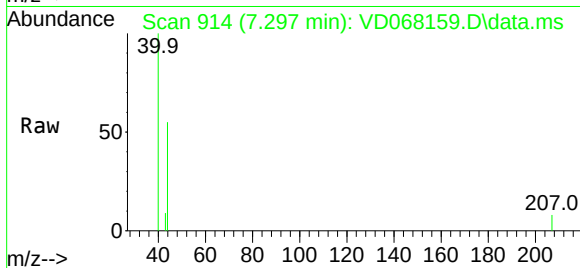
Delta R.T. 0.000 min

Lab File: VD068159.D

Acq: 22 Jan 2021 17:11

Instrument :
MSVOA_D
ClientSampleId :
SP1-C

Tgt Ion: 43	Resp:	380
Ion	Ratio	Lower Upper
43	100	
61	0.0	12.9 19.3#
70	0.0	11.0 16.6#



#38

Carbon Tetrachloride

Concen: 5.99 ug/l

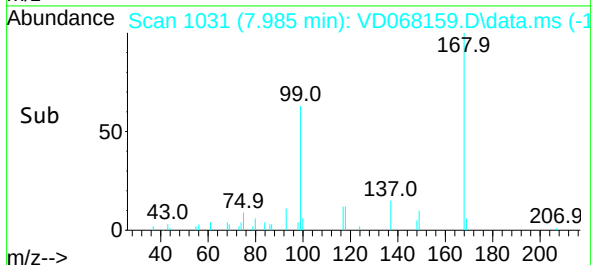
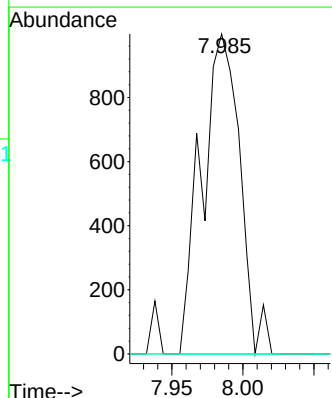
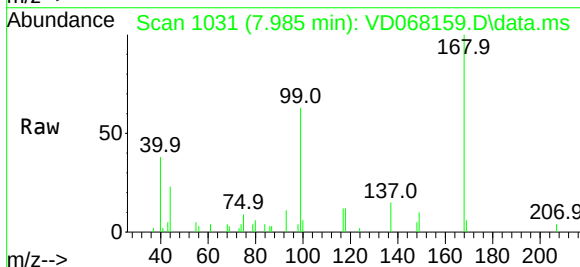
RT: 7.985 min Scan# 1031

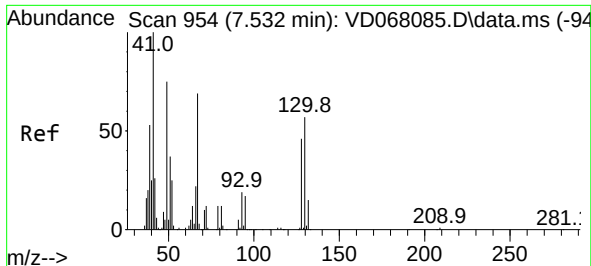
Delta R.T. -0.117 min

Lab File: VD068159.D

Acq: 22 Jan 2021 17:11

Tgt Ion: 117	Resp:	1874
Ion	Ratio	Lower Upper
117	100	
119	0.0	77.3 115.9#
121	0.0	24.7 37.1#

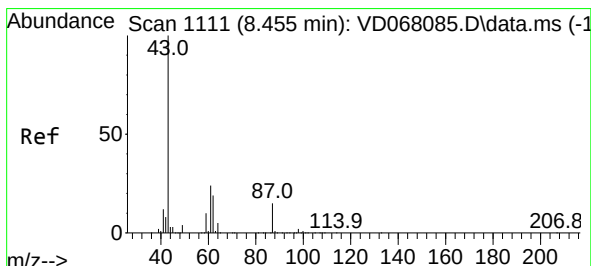
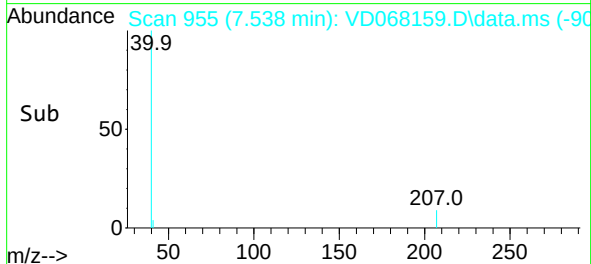
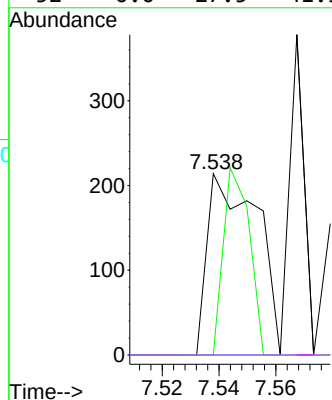
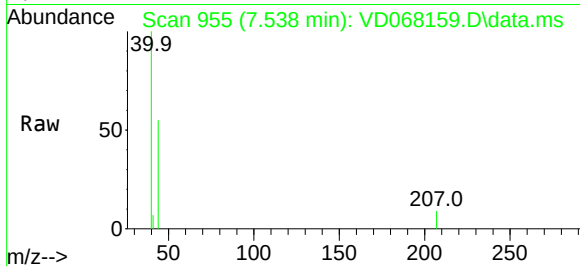




#41
Methacrylonitrile
Concen: 3.66 ug/l
RT: 7.538 min Scan# 955
Delta R.T. 0.006 min
Lab File: VD068159.D
Acq: 22 Jan 2021 17:11

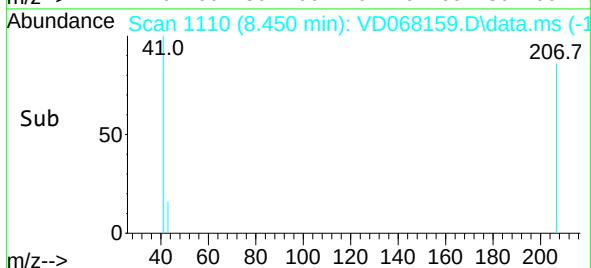
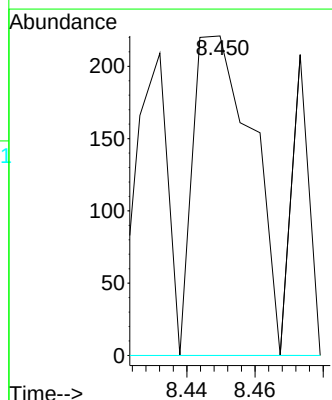
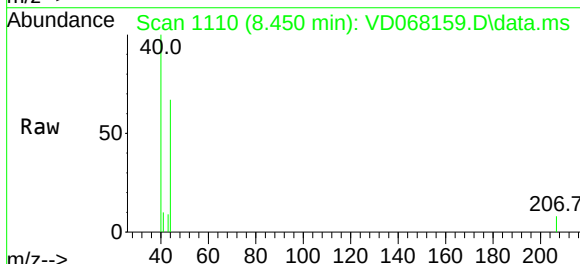
Instrument :
MSVOA_D
ClientSampleId :
SP1-C

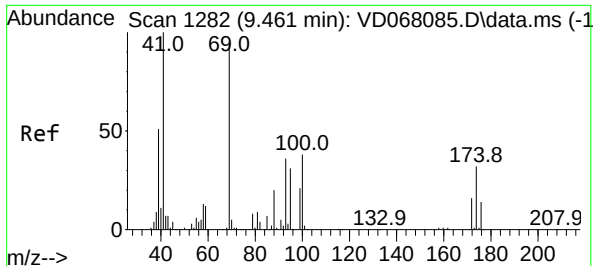
Tgt Ion:	41	Resp:	261
Ion	Ratio	Lower	Upper
41	100		
39	53.6	45.2	67.8
67	0.0	67.4	101.2#
52	0.0	27.5	41.3#



#43
Isopropyl Acetate
Concen: 1.08 ug/l
RT: 8.450 min Scan# 1110
Delta R.T. -0.005 min
Lab File: VD068159.D
Acq: 22 Jan 2021 17:11

Tgt Ion:	43	Resp:	267
Ion	Ratio	Lower	Upper
43	100		
61	0.0	28.7	43.1#
87	0.0	13.9	20.9#





#48

Methyl methacrylate

Concen: 1.00 ug/l

RT: 9.438 min Scan# 1278

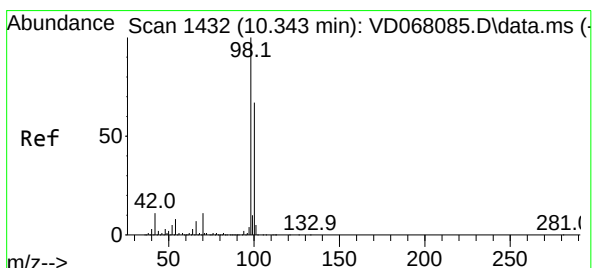
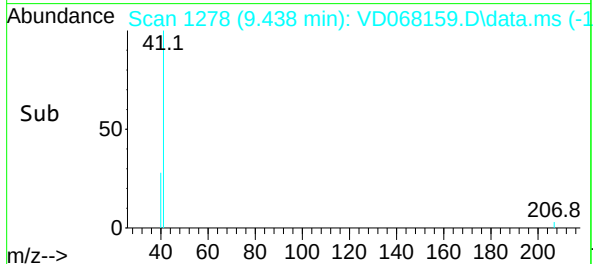
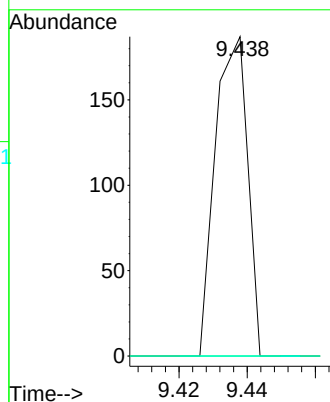
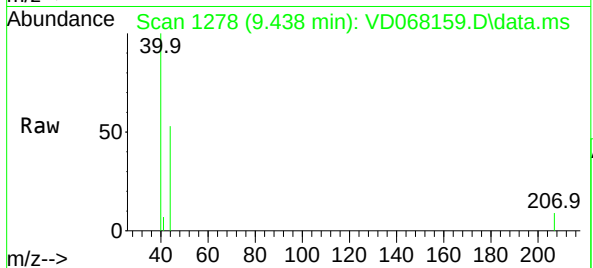
Delta R.T. -0.023 min

Lab File: VD068159.D

Acq: 22 Jan 2021 17:11

Instrument :
MSVOA_D
ClientSampleId :
SP1-C

Tgt Ion:	41	Resp:	123
Ion	Ratio	Lower	Upper
41	100		
69	0.0	77.1	115.7#
39	0.0	41.5	62.3#



#50

Toluene-d8

Concen: 53.20 ug/l

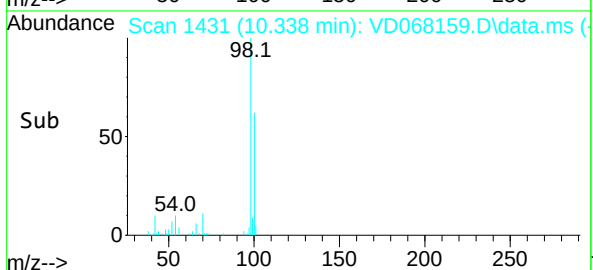
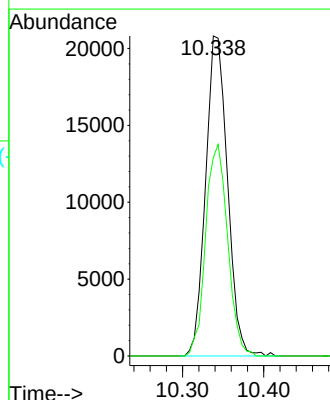
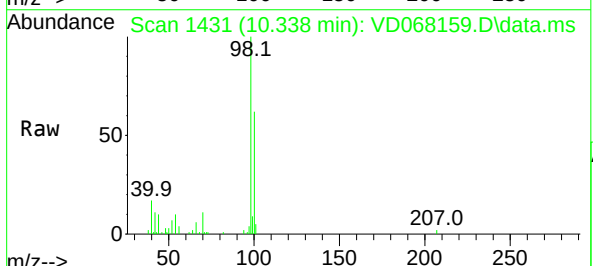
RT: 10.338 min Scan# 1431

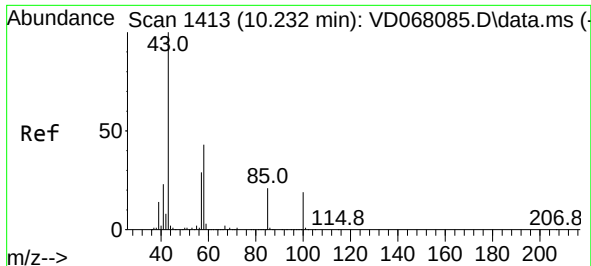
Delta R.T. -0.005 min

Lab File: VD068159.D

Acq: 22 Jan 2021 17:11

Tgt Ion:	98	Resp:	38992
Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4

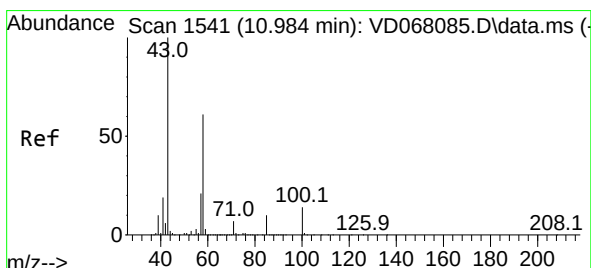
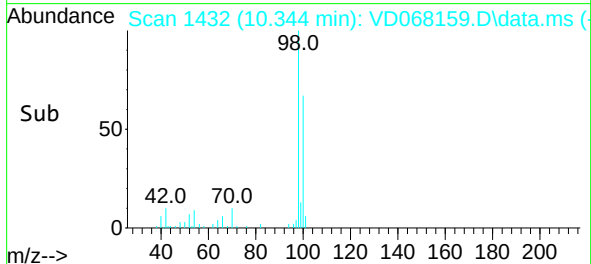
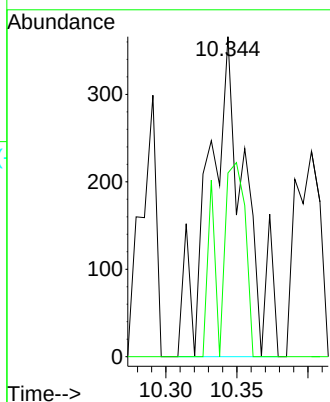
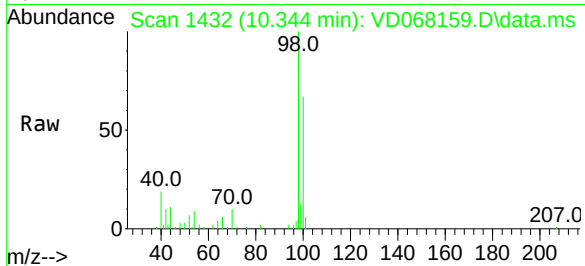




#51
4-Methyl-2-Pentanone
Concen: 5.83 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.112 min
Lab File: VD068159.D
Acq: 22 Jan 2021 17:11

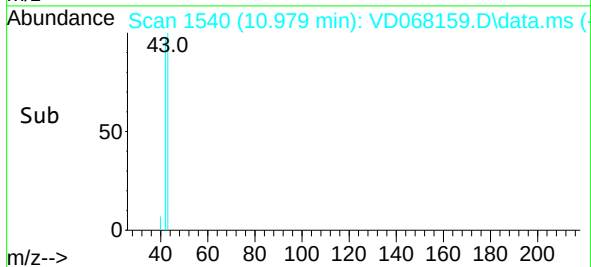
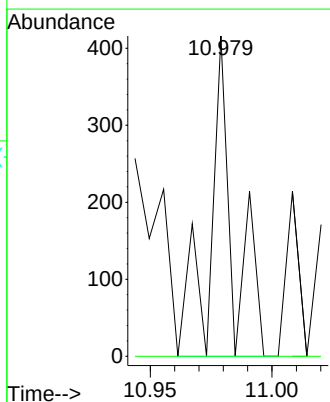
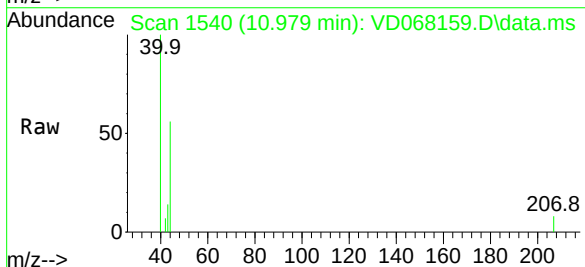
Instrument :
MSVOA_D
ClientSampled :
SP1-C

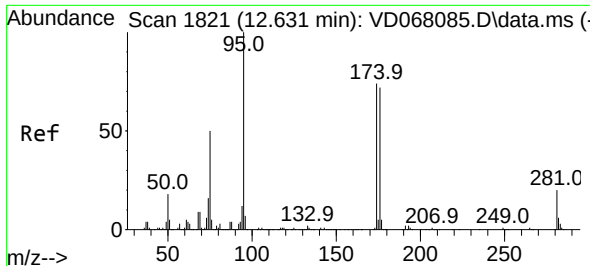
Tgt Ion: 43 Resp: 668
Ion Ratio Lower Upper
43 100
58 42.7 36.1 54.1



#59
2-Hexanone
Concen: 3.56 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.005 min
Lab File: VD068159.D
Acq: 22 Jan 2021 17:11

Tgt Ion: 43 Resp: 283
Ion Ratio Lower Upper
43 100
58 0.0 31.0 93.0#

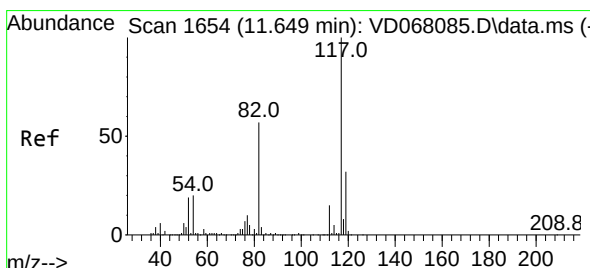
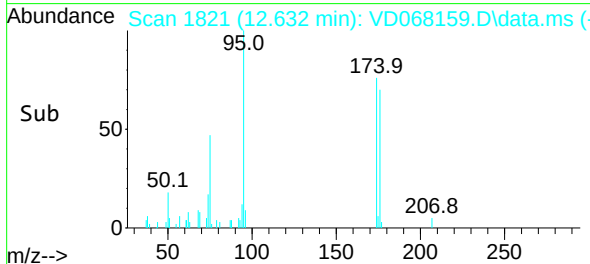
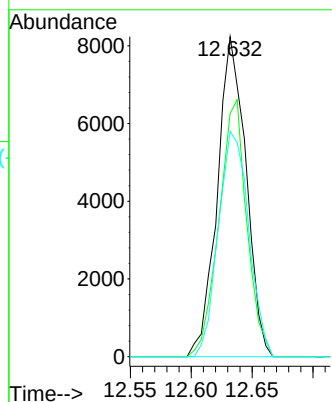
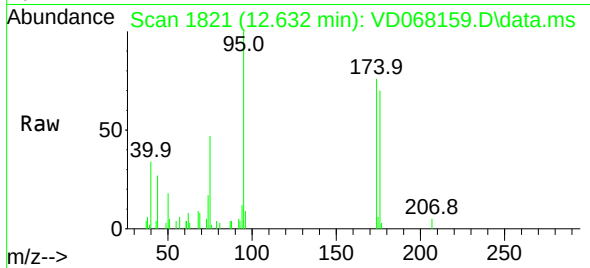




#62
4-Bromofluorobenzene
Concen: 51.05 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068159.D
Acq: 22 Jan 2021 17:11

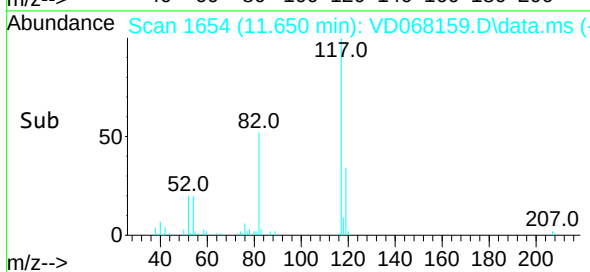
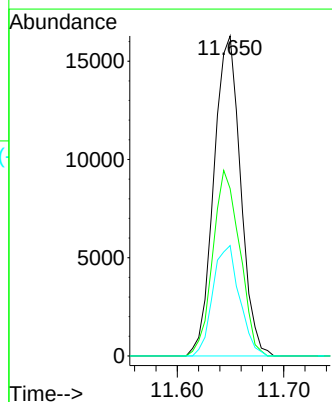
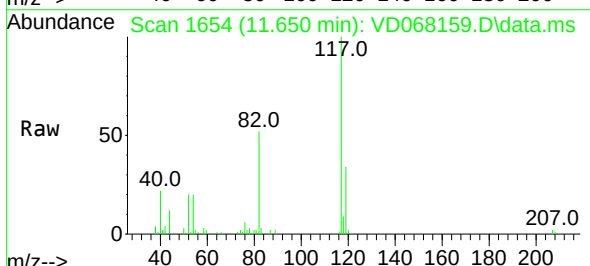
Instrument :
MSVOA_D
ClientSampleId :
SP1-C

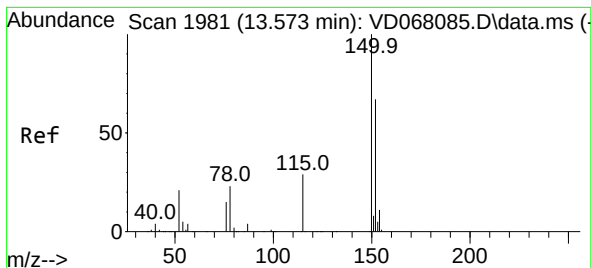
Tgt Ion:	95	Resp:	13474
Ion	Ratio	Lower	Upper
95	100		
174	77.9	0.0	172.4
176	74.6	0.0	168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.650 min Scan# 1654
Delta R.T. 0.001 min
Lab File: VD068159.D
Acq: 22 Jan 2021 17:11

Tgt Ion:	117	Resp:	28346
Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.4	62.0
119	34.5	26.1	39.1

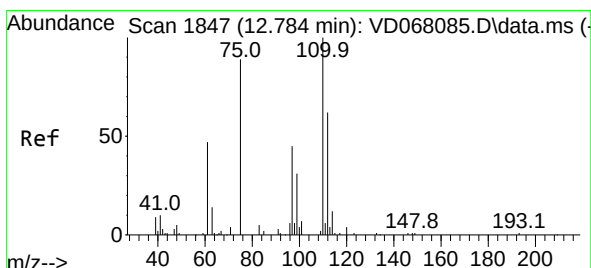
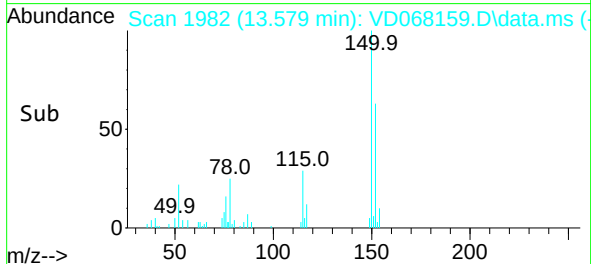
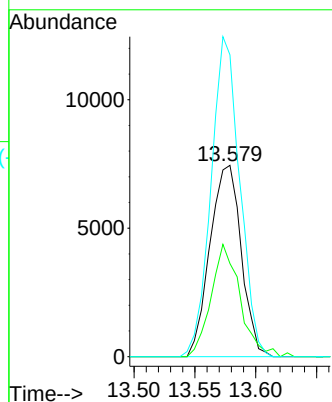
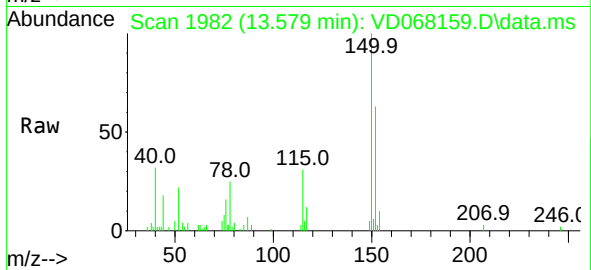




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. 0.006 min
Lab File: VD068159.D
Acq: 22 Jan 2021 17:11

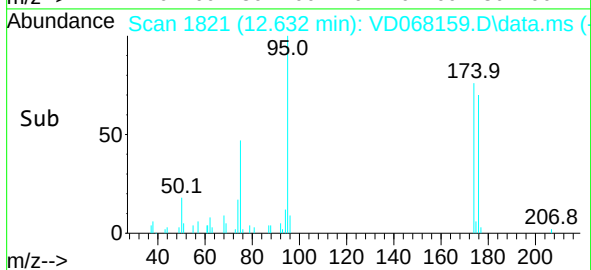
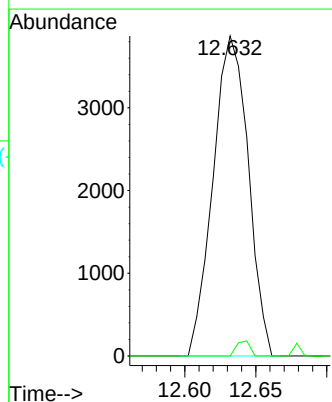
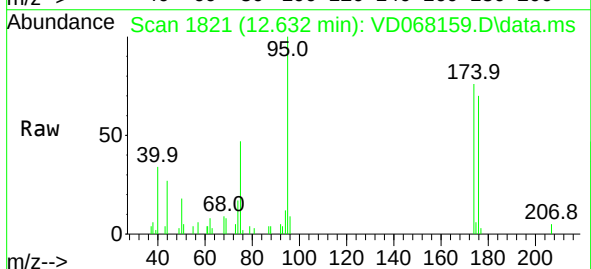
Instrument :
MSVOA_D
ClientSampleId :
SP1-C

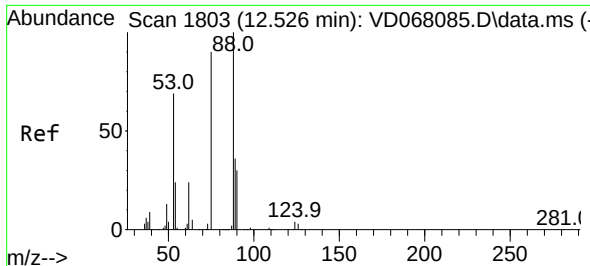
Tgt Ion:152 Resp: 13322
Ion Ratio Lower Upper
152 100
115 54.8 28.9 86.8
150 153.6 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 51.77 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068159.D
Acq: 22 Jan 2021 17:11

Tgt Ion: 75 Resp: 6668
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#

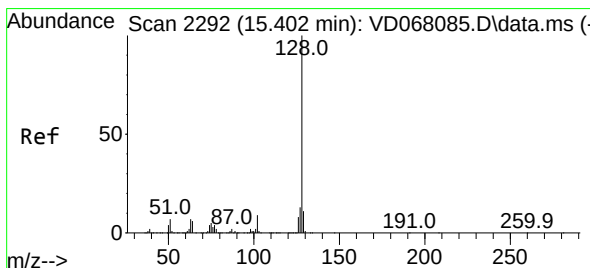
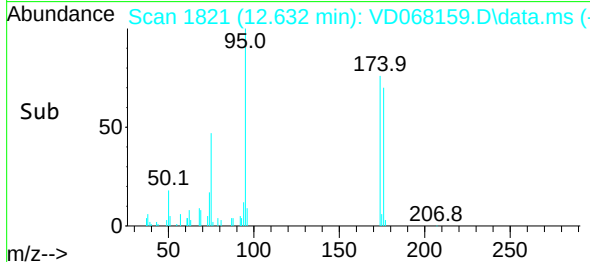
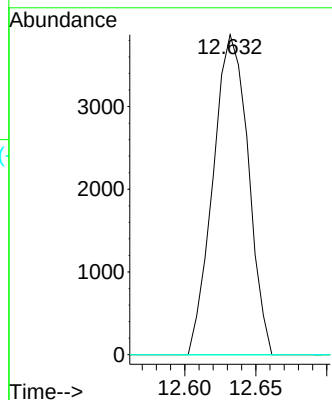
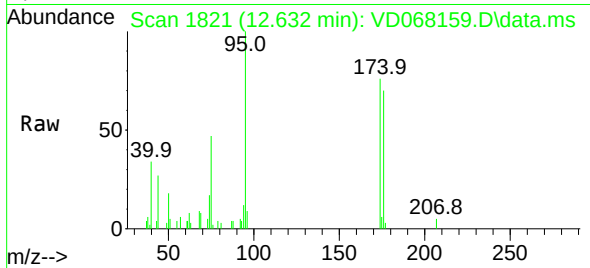




#81
trans-1,4-Dichloro-2-butene
Concen: 104.75 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068159.D
Acq: 22 Jan 2021 17:11

Instrument :
MSVOA_D
ClientSampleId :
SP1-C

Tgt Ion: 75 Resp: 6668
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.0 40.3 60.5#



#95
Naphthalene
Concen: 1.35 ug/l
RT: 15.408 min Scan# 2293
Delta R.T. 0.006 min
Lab File: VD068159.D
Acq: 22 Jan 2021 17:11

Tgt Ion: 128 Resp: 681
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 9.1 8.8 13.2

