

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020921\
 Data File : VD068334.D
 Acq On : 09 Feb 2021 17:41
 Operator : VA/SY
 Sample : M1338-01
 Misc : 4.31G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 10 00:18:24 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)

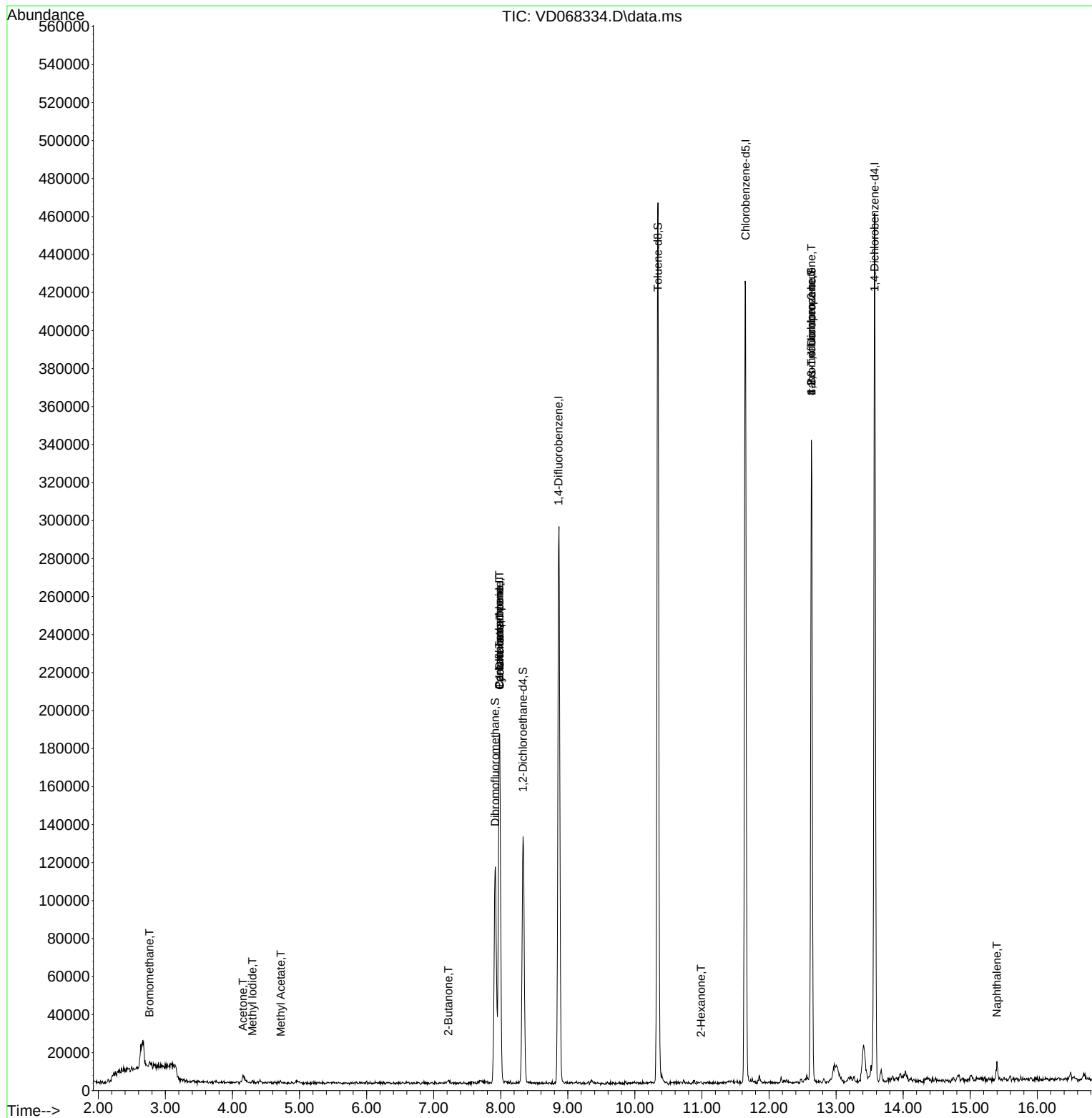
Internal Standards						
1) Pentafluorobenzene	7.979	168	142188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	266905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.650	117	258534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	119618	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	104717	76.99	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 153.98%			
35) Dibromofluoromethane	7.914	113	85006	57.61	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.22%			
50) Toluene-d8	10.344	98	330952	56.07	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 112.14%			
62) 4-Bromofluorobenzene	12.632	95	117287	55.18	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.36%			
Target Compounds					Qvalue	
5) Bromomethane	2.762	94	2503	1.80	ug/l #	73
10) Methyl Iodide	4.297	142	1070	3.74	ug/l #	59
11) Tert butyl alcohol	5.238	59	67	Below Cal	#	74
16) Acetone	4.156	43	6983	28.75	ug/l #	86
18) Methyl Acetate	4.721	43	957	1.52	ug/l #	58
20) Methylene Chloride	4.962	84	788	Below Cal	#	65
25) 2-Butanone	7.220	43	1309	3.58	ug/l #	84
31) Cyclohexane	7.985	56	3819	1.30	ug/l #	35
36) 1,1-Dichloropropene	7.979	75	11342	4.21	ug/l #	49
38) Carbon Tetrachloride	7.979	117	14436	5.73	ug/l #	15
59) 2-Hexanone	10.985	43	786	1.23	ug/l #	39
76) 1,2,3-Trichloropropane	12.632	75	58671	50.73	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	58671	102.65	ug/l #	14
95) Naphthalene	15.396	128	8565	1.90	ug/l #	94

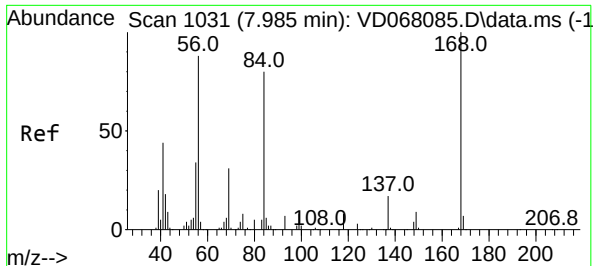
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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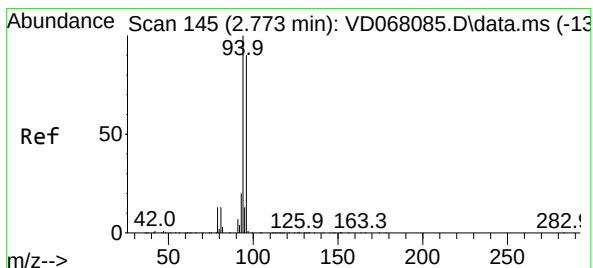
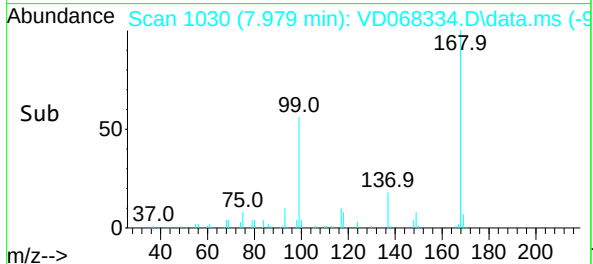
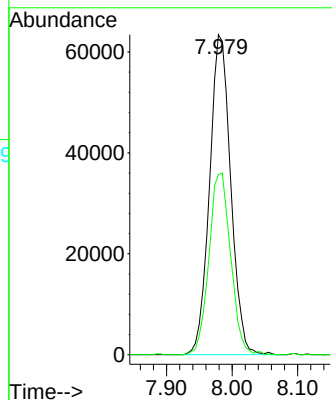
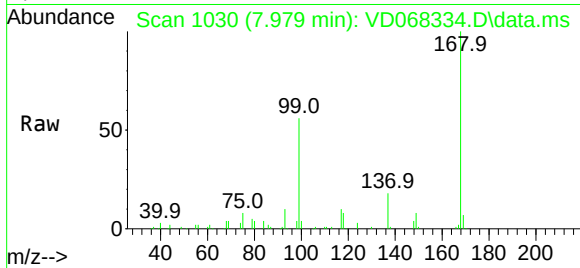




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068334.D
Acq: 09 Feb 2021 17:41

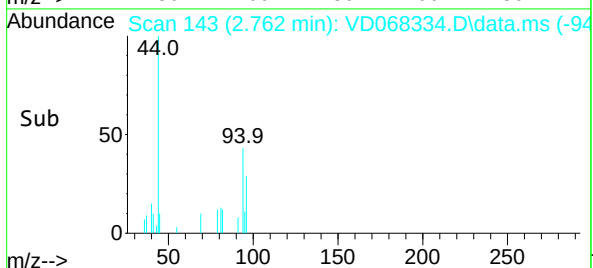
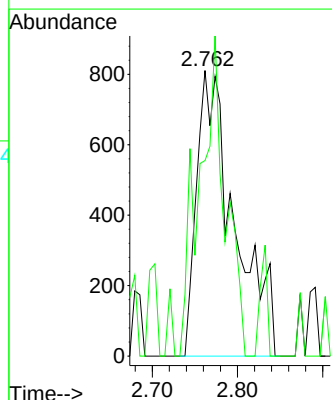
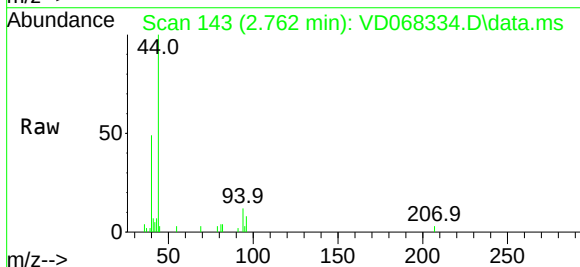
Instrument :
MSVOA_D
ClientSampleId :

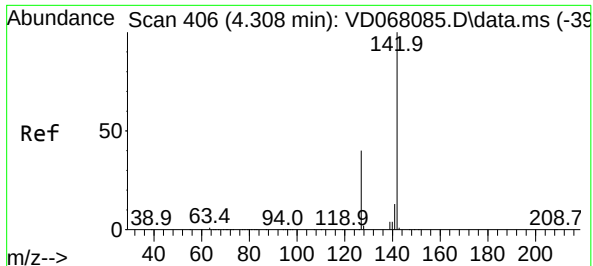
Tgt Ion:168 Resp: 142188
Ion Ratio Lower Upper
168 100
99 56.3 43.5 65.3



#5
Bromomethane
Concen: 1.80 ug/l
RT: 2.762 min Scan# 143
Delta R.T. -0.011 min
Lab File: VD068334.D
Acq: 09 Feb 2021 17:41

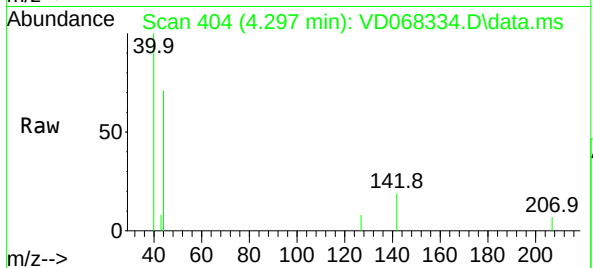
Tgt Ion: 94 Resp: 2503
Ion Ratio Lower Upper
94 100
96 68.4 75.8 113.8#



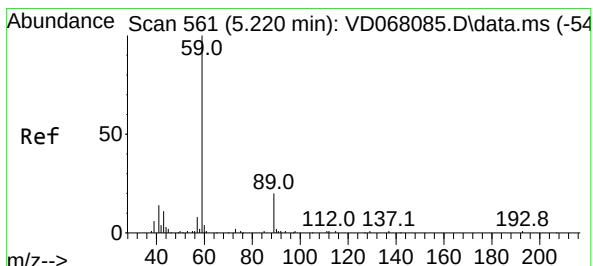
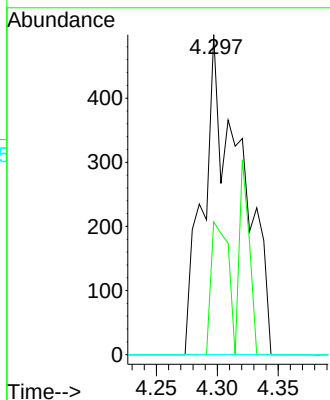
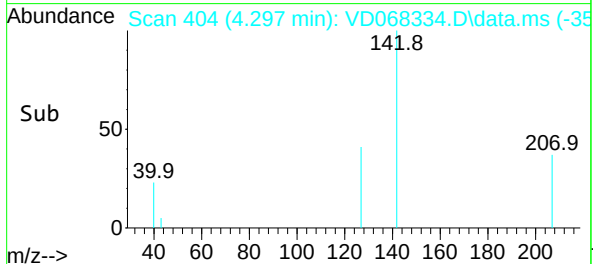


#10
Methyl Iodide
Concen: 3.74 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.011 min
Lab File: VD068334.D
Acq: 09 Feb 2021 17:41

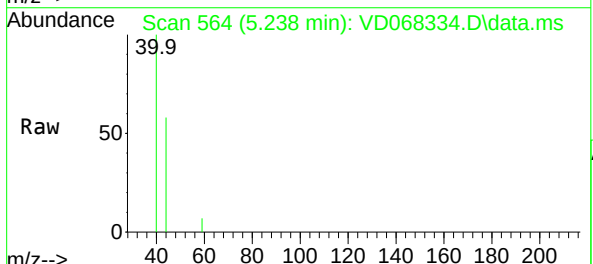
Instrument :
MSVOA_D
ClientSampleId :



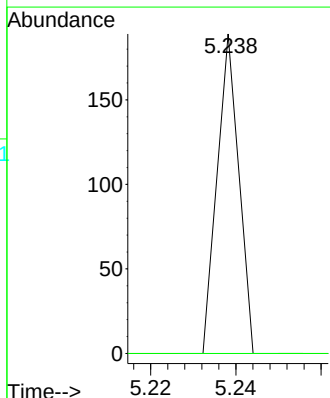
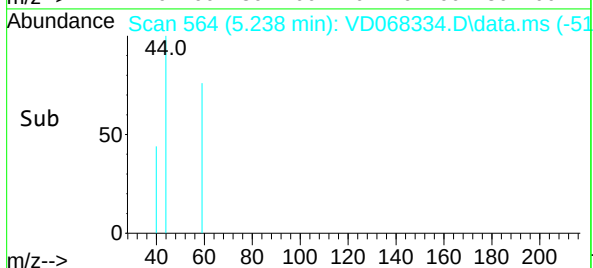
Tgt Ion:142 Resp: 1070
Ion Ratio Lower Upper
142 100
127 18.8 37.9 56.9#
141 0.0 11.5 17.3#

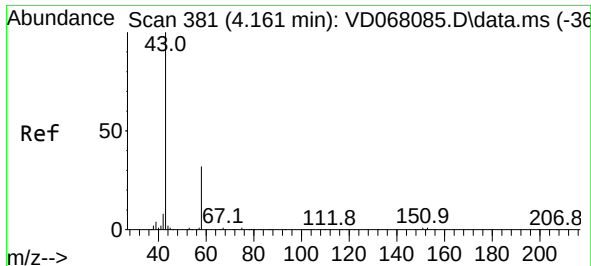


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.238 min Scan# 564
Delta R.T. 0.018 min
Lab File: VD068334.D
Acq: 09 Feb 2021 17:41



Tgt Ion: 59 Resp: 67
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

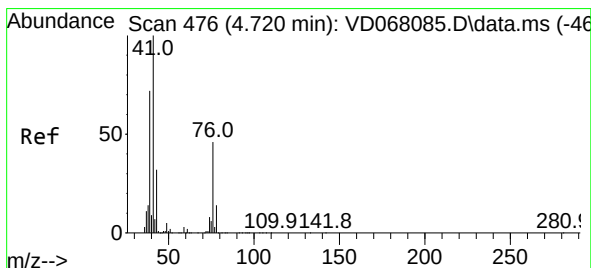
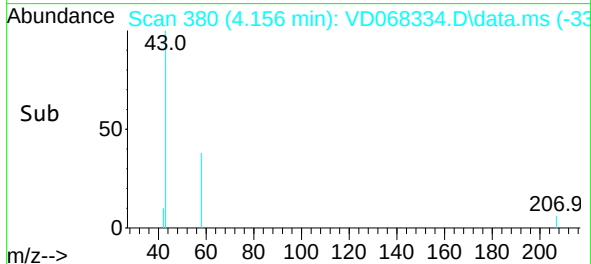
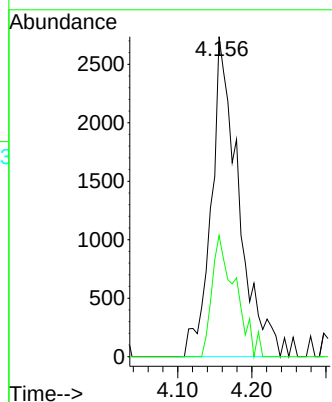
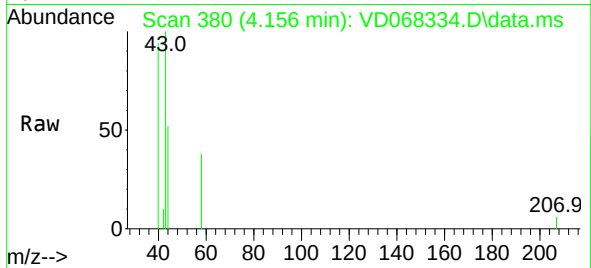




#16
Acetone
Concen: 28.75 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.005 min
Lab File: VD068334.D
Acq: 09 Feb 2021 17:41

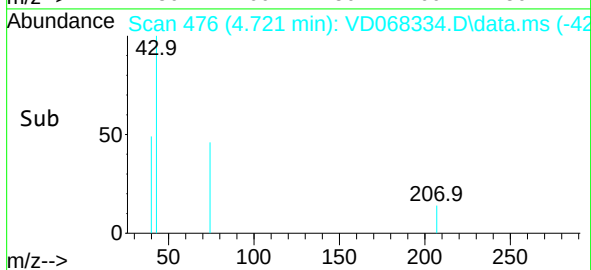
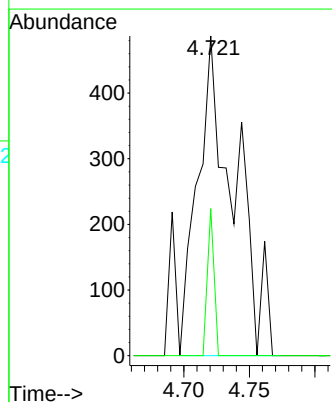
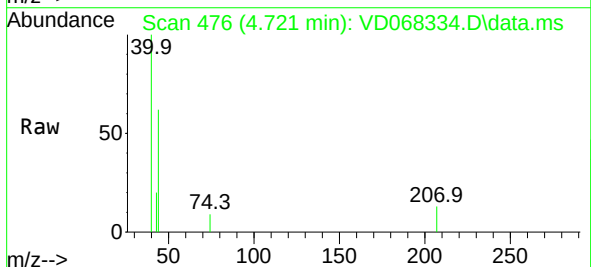
Instrument :
MSVOA_D
ClientSampleId :

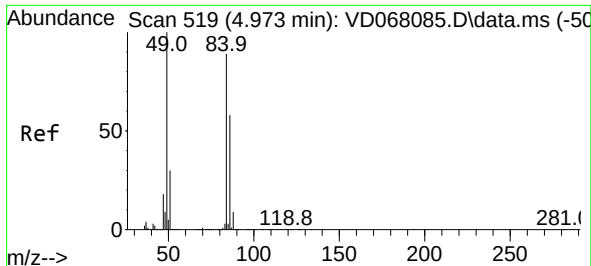
Tgt Ion: 43 Resp: 6983
Ion Ratio Lower Upper
43 100
58 37.9 24.2 36.4#



#18
Methyl Acetate
Concen: 1.52 ug/l
RT: 4.721 min Scan# 476
Delta R.T. 0.000 min
Lab File: VD068334.D
Acq: 09 Feb 2021 17:41

Tgt Ion: 43 Resp: 957
Ion Ratio Lower Upper
43 100
74 8.3 25.4 38.0#





#20

Methylene Chloride

Concen: Below Cal

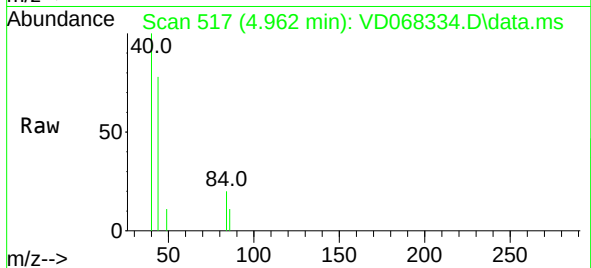
RT: 4.962 min Scan# 517

Delta R.T. -0.011 min

Lab File: VD068334.D

Acq: 09 Feb 2021 17:41

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 788

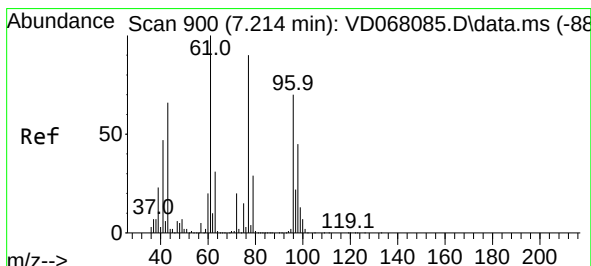
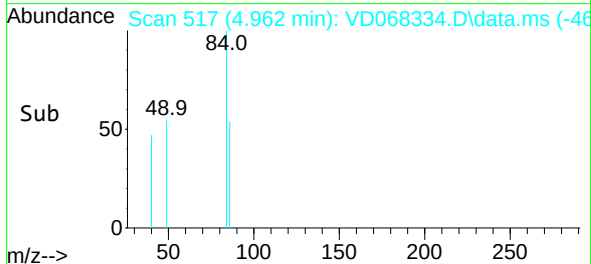
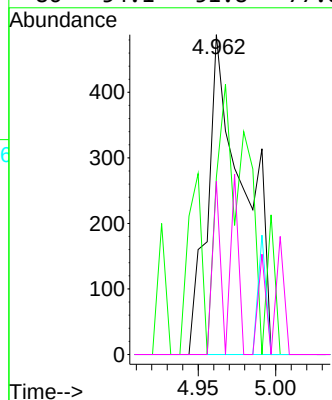
Ion Ratio Lower Upper

84 100

49 55.3 77.4 116.2#

51 0.0 26.1 39.1#

86 54.1 51.8 77.8



#25

2-Butanone

Concen: 3.58 ug/l

RT: 7.220 min Scan# 901

Delta R.T. 0.006 min

Lab File: VD068334.D

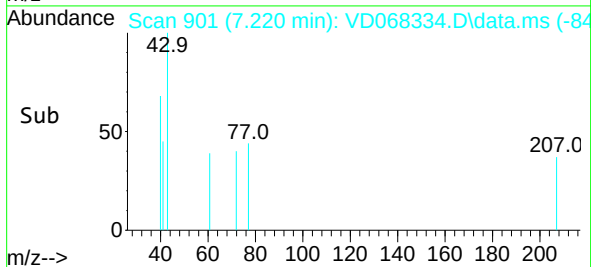
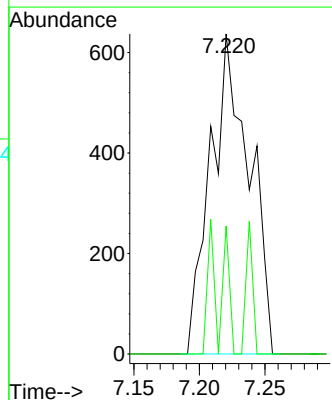
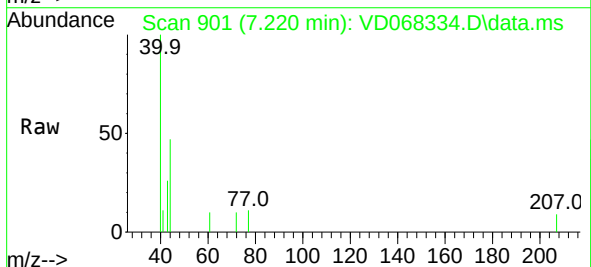
Acq: 09 Feb 2021 17:41

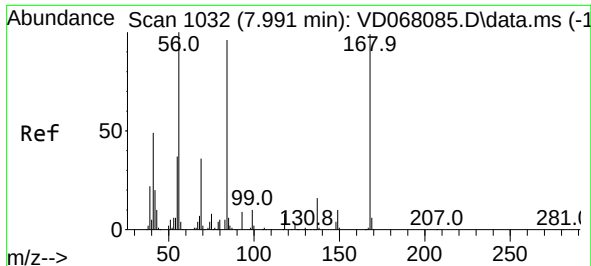
Tgt Ion: 43 Resp: 1309

Ion Ratio Lower Upper

43 100

72 40.0 25.1 37.7#

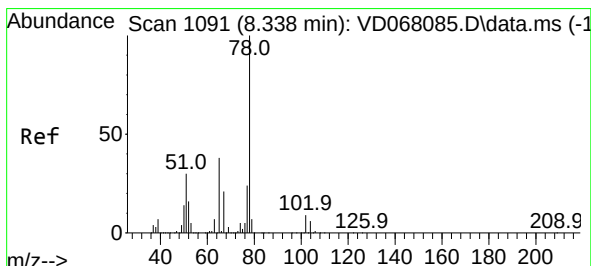
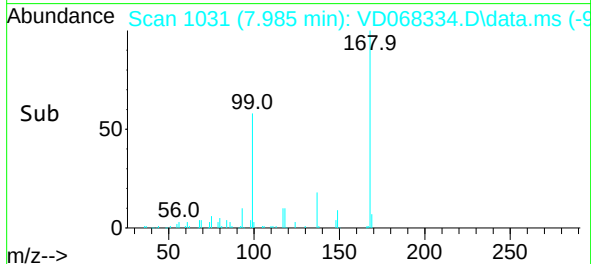
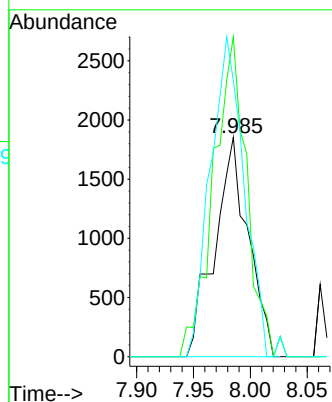
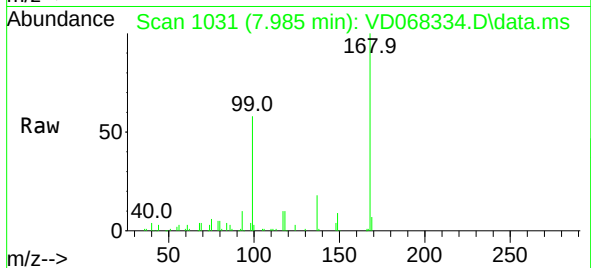




#31
Cyclohexane
Concen: 1.30 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.005 min
Lab File: VD068334.D
Acq: 09 Feb 2021 17:41

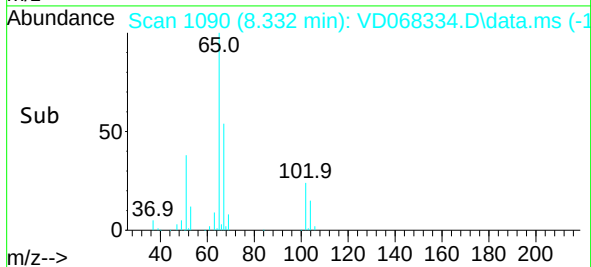
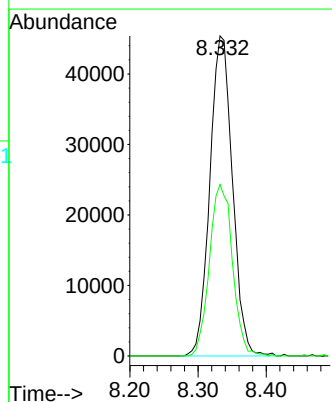
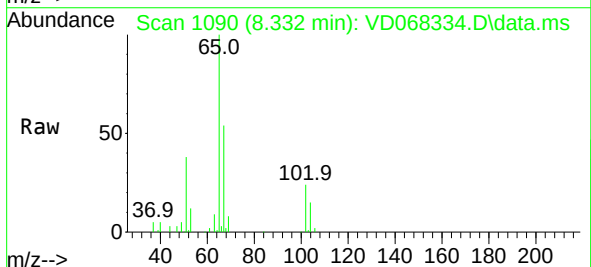
Instrument :
MSVOA_D
ClientSampled :

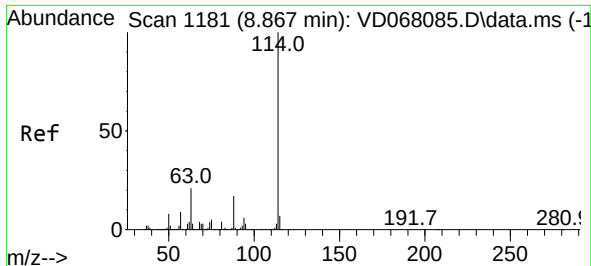
Tgt Ion: 56 Resp: 3819
Ion Ratio Lower Upper
56 100
69 145.9 30.1 45.1#
84 125.8 82.1 123.1#



#33
1,2-Dichloroethane-d4
Concen: 76.99 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.005 min
Lab File: VD068334.D
Acq: 09 Feb 2021 17:41

Tgt Ion: 65 Resp: 104717
Ion Ratio Lower Upper
65 100
67 54.6 0.0 105.0

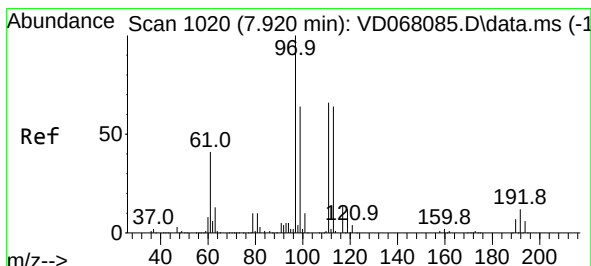
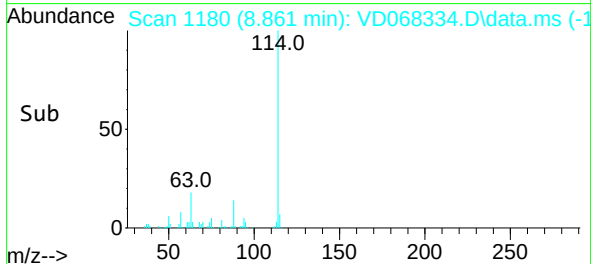
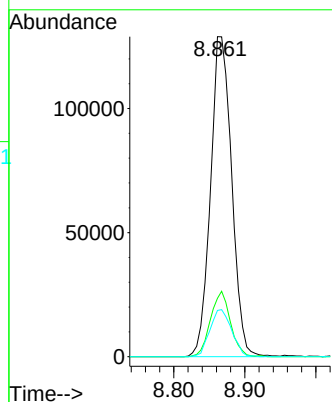
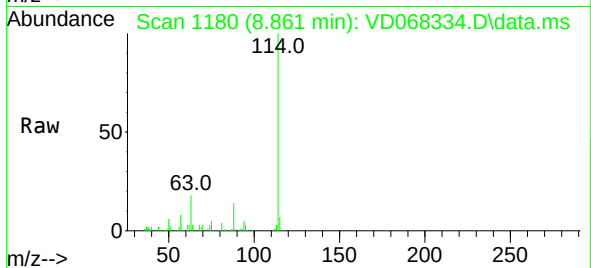




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD068334.D
Acq: 09 Feb 2021 17:41

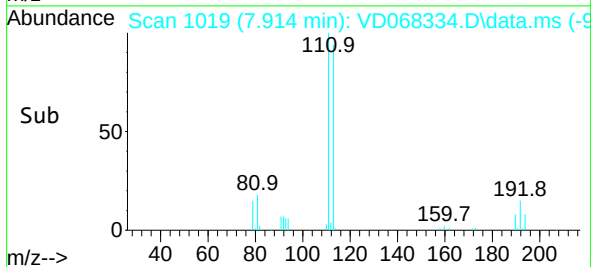
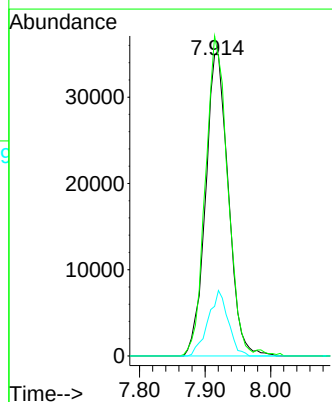
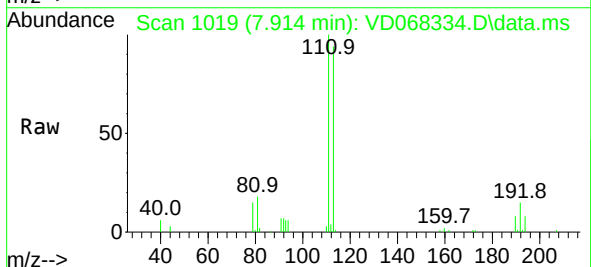
Instrument :
MSVOA_D
ClientSampled :

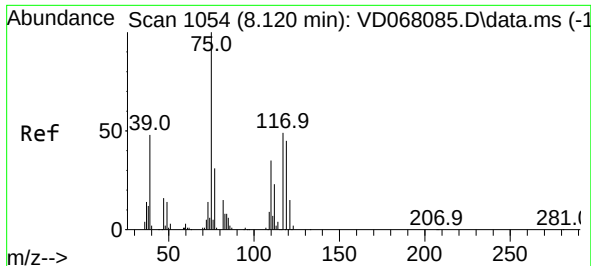
Tgt Ion:114 Resp: 266905
Ion Ratio Lower Upper
114 100
63 18.3 0.0 34.8
88 14.4 0.0 31.6



#35
Dibromofluoromethane
Concen: 57.61 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.005 min
Lab File: VD068334.D
Acq: 09 Feb 2021 17:41

Tgt Ion:113 Resp: 85006
Ion Ratio Lower Upper
113 100
111 102.6 81.4 122.0
192 18.9 16.1 24.1

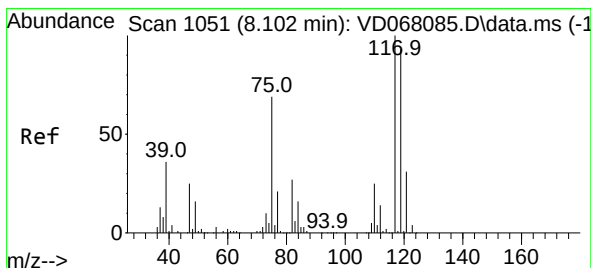
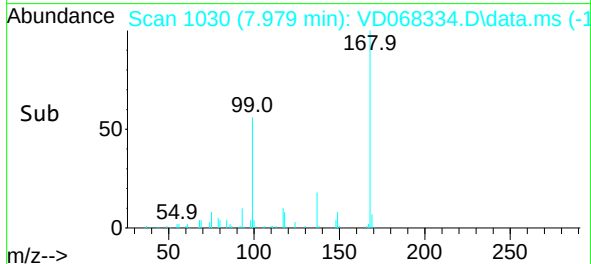
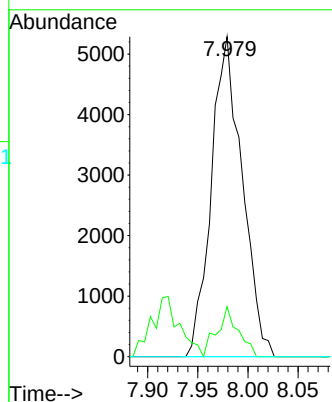
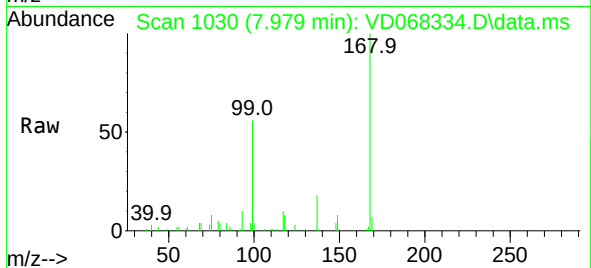




#36
1,1-Dichloropropene
Concen: 4.21 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.141 min
Lab File: VD068334.D
Acq: 09 Feb 2021 17:41

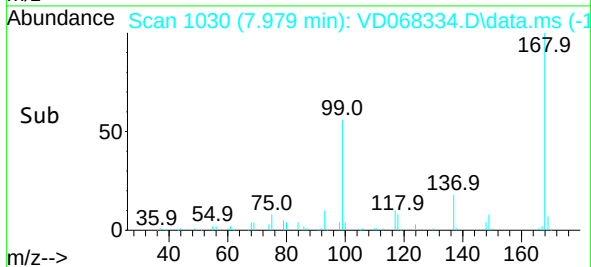
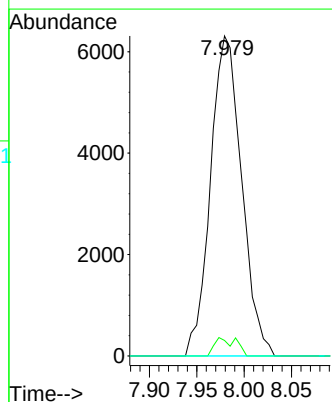
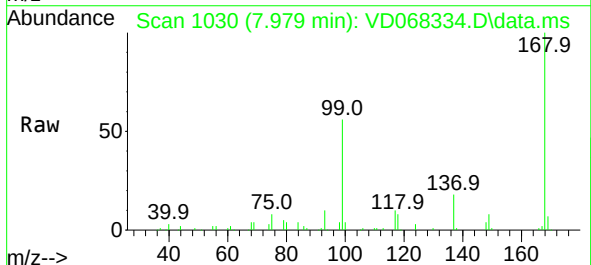
Instrument :
MSVOA_D
ClientSampled :

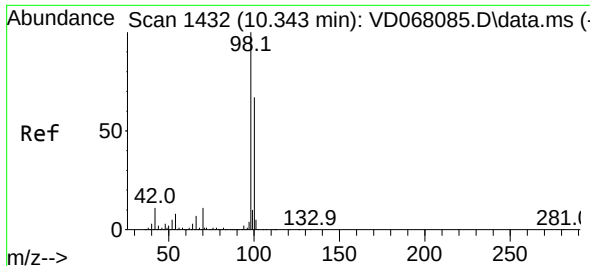
Tgt Ion: 75 Resp: 11342
Ion Ratio Lower Upper
75 100
110 10.6 19.4 58.2#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.73 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD068334.D
Acq: 09 Feb 2021 17:41

Tgt Ion: 117 Resp: 14436
Ion Ratio Lower Upper
117 100
119 4.9 77.3 115.9#
121 0.0 24.7 37.1#

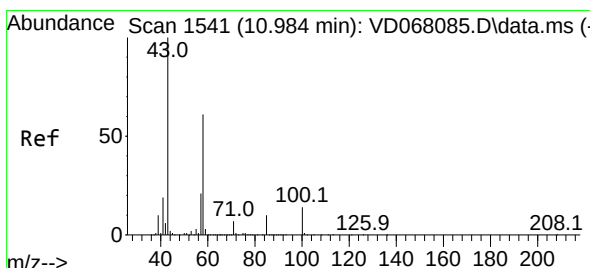
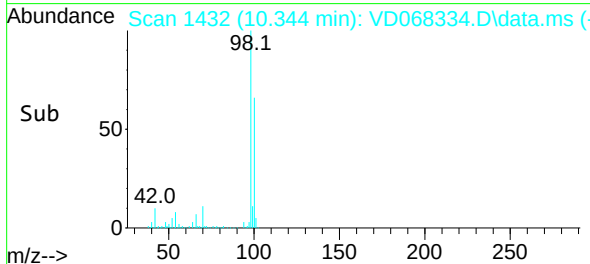
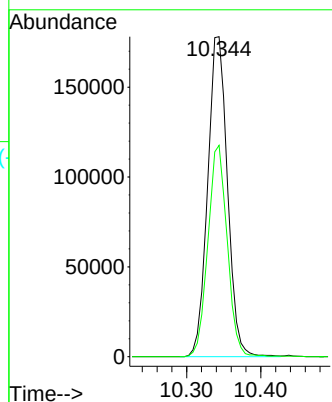
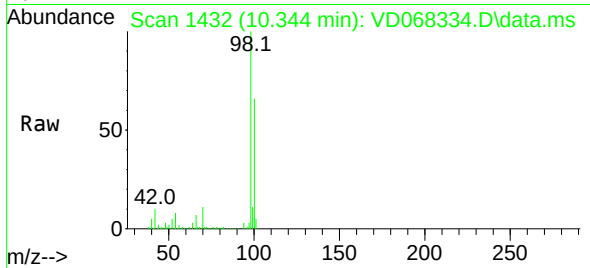




#50
Toluene-d8
Concen: 56.07 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068334.D
Acq: 09 Feb 2021 17:41

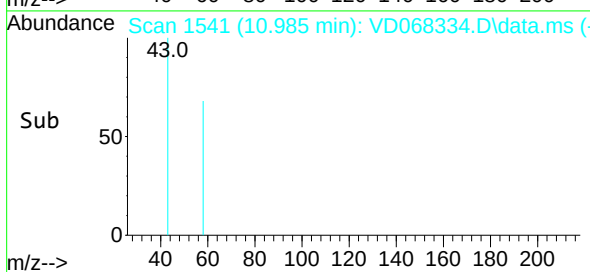
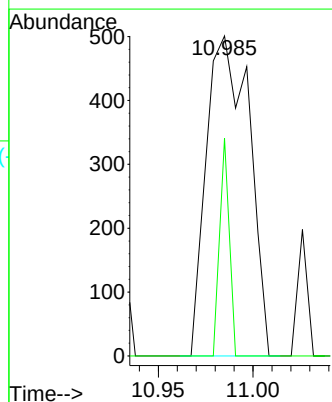
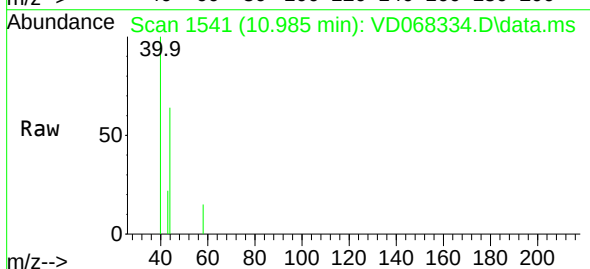
Instrument :
MSVOA_D
ClientSampled :

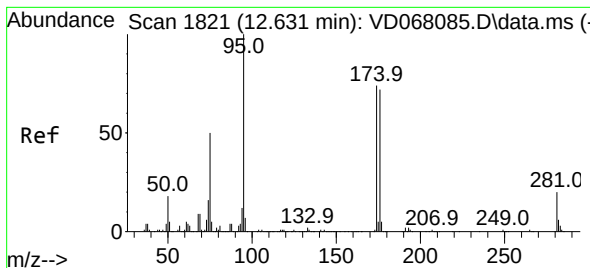
Tgt Ion: 98 Resp: 330952
Ion Ratio Lower Upper
98 100
100 64.5 53.0 79.4



#59
2-Hexanone
Concen: 1.23 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VD068334.D
Acq: 09 Feb 2021 17:41

Tgt Ion: 43 Resp: 786
Ion Ratio Lower Upper
43 100
58 15.3 31.0 93.0#

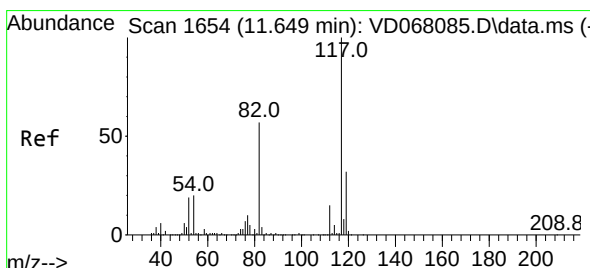
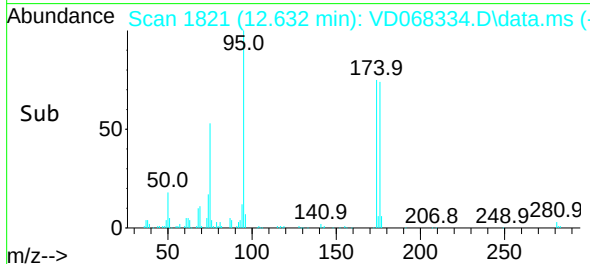
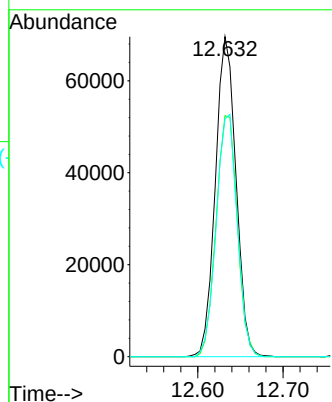
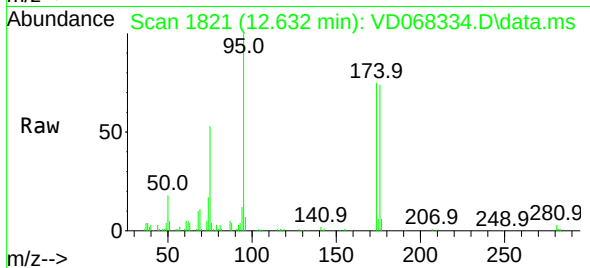




#62
4-Bromofluorobenzene
Concen: 55.18 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068334.D
Acq: 09 Feb 2021 17:41

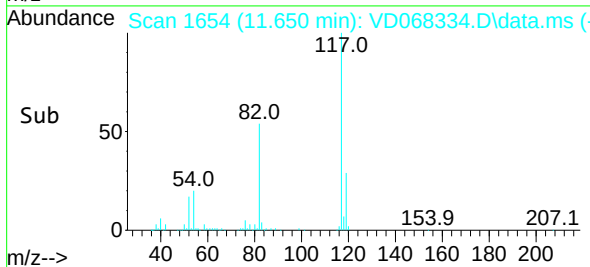
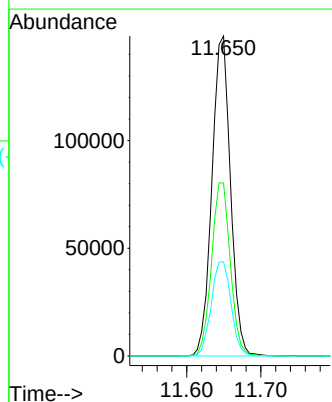
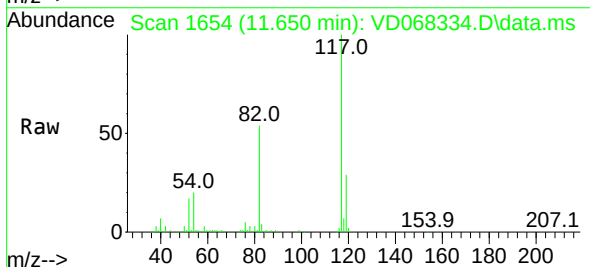
Instrument :
MSVOA_D
ClientSampleId :

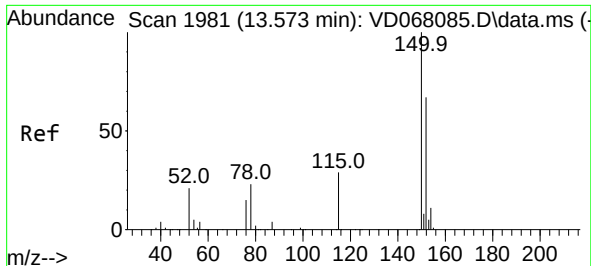
Tgt Ion: 95 Resp: 117287
Ion Ratio Lower Upper
95 100
174 77.4 0.0 172.4
176 77.0 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.650 min Scan# 1654
Delta R.T. 0.001 min
Lab File: VD068334.D
Acq: 09 Feb 2021 17:41

Tgt Ion: 117 Resp: 258534
Ion Ratio Lower Upper
117 100
82 54.1 41.4 62.0
119 29.4 26.1 39.1

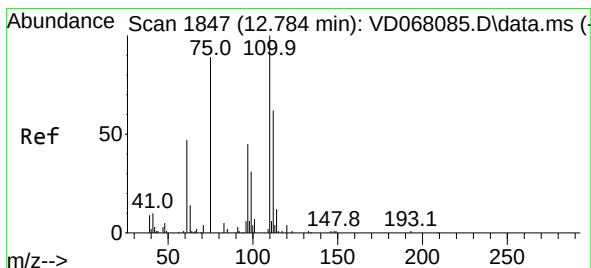
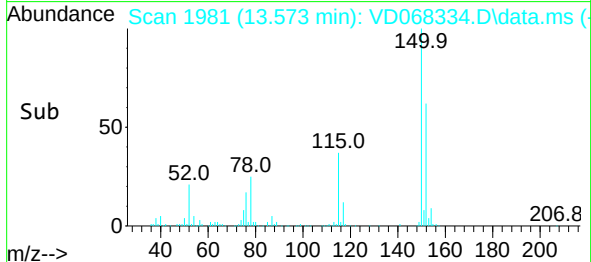
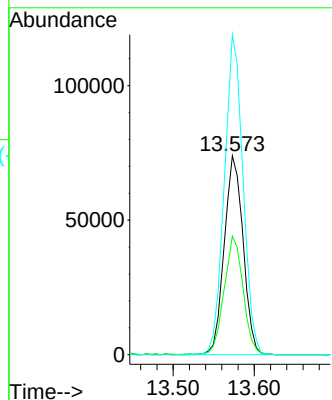
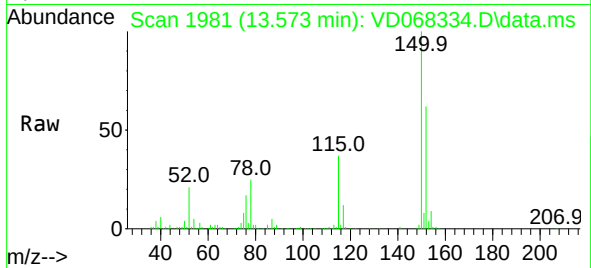




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. 0.000 min
 Lab File: VD068334.D
 Acq: 09 Feb 2021 17:41

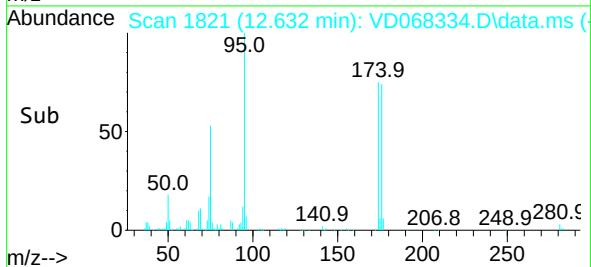
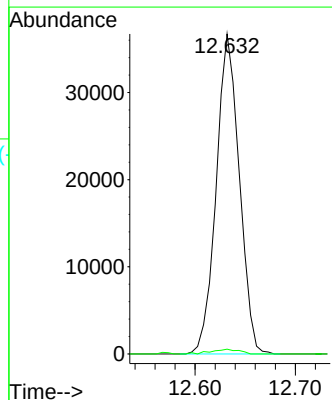
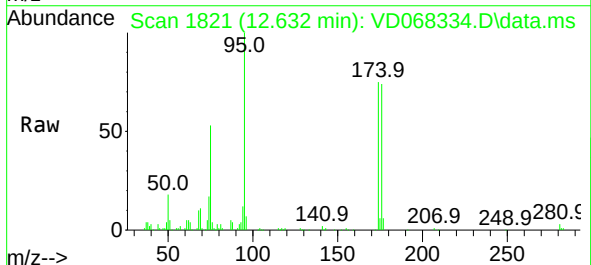
Instrument :
 MSVOA_D
 ClientSampleId :

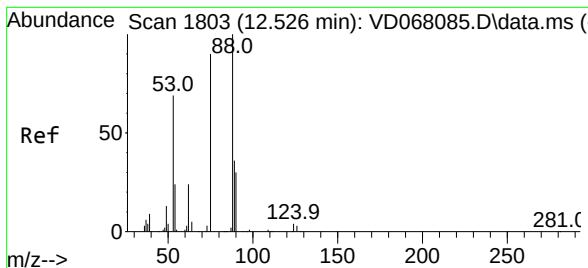
Tgt Ion:152 Resp: 119618
 Ion Ratio Lower Upper
 152 100
 115 59.8 28.9 86.8
 150 158.8 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 50.73 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. -0.153 min
 Lab File: VD068334.D
 Acq: 09 Feb 2021 17:41

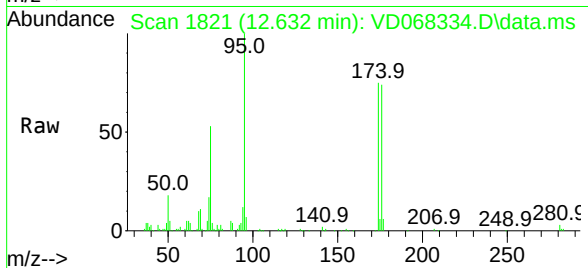
Tgt Ion: 75 Resp: 58671
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



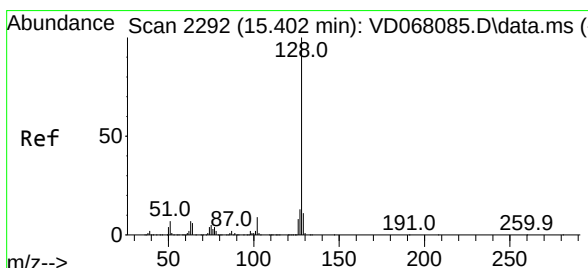
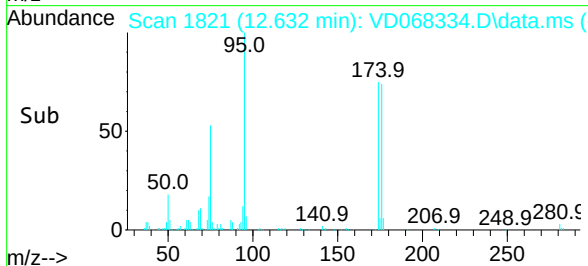
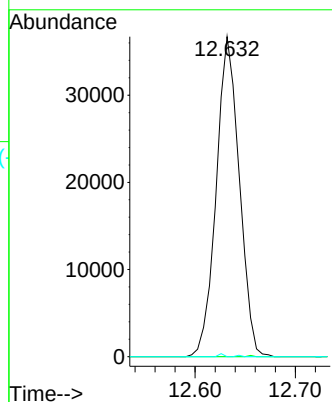


#81
trans-1,4-Dichloro-2-butene
Concen: 102.65 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068334.D
Acq: 09 Feb 2021 17:41

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 58671
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.2 40.3 60.5#



#95
Naphthalene
Concen: 1.90 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. -0.005 min
Lab File: VD068334.D
Acq: 09 Feb 2021 17:41

Tgt Ion: 128 Resp: 8565
Ion Ratio Lower Upper
128 100
127 10.7 10.2 15.2
129 13.6 8.8 13.2#

