

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020821\
 Data File : VD068316.D
 Acq On : 08 Feb 2021 13:51
 Operator : VA/SY
 Sample : M1332-01
 Misc : 11.48G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 09 00:14:49 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)

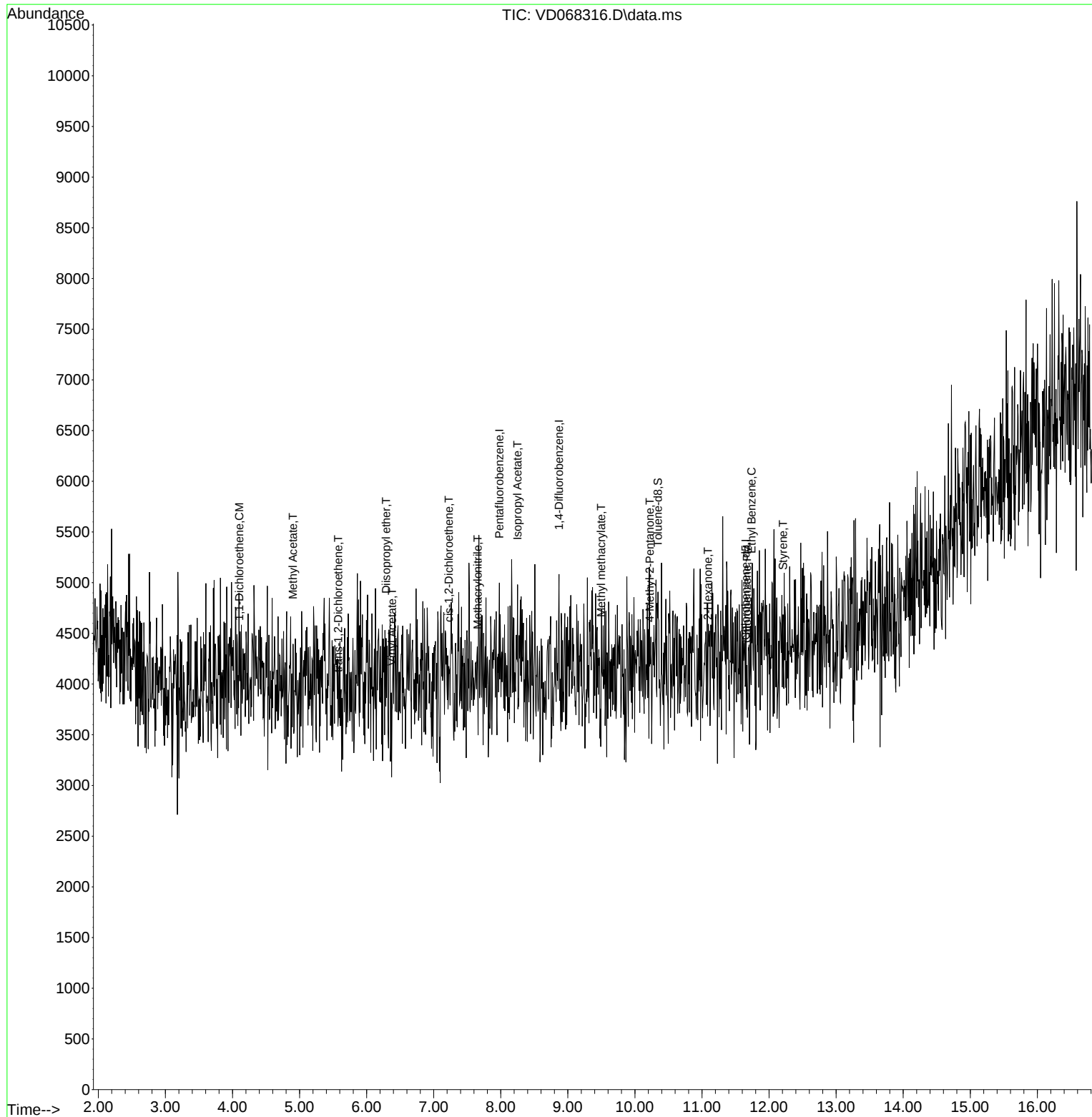
Internal Standards						
1) Pentafluorobenzene	7.979	168	275	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.867	114	169	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	66	50.00	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.00	ug/l	-13.57
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0	0.00	ug/l	
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.00%#
35) Dibromofluoromethane	0.000	113	0	0.00	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.00%#
50) Toluene-d8	10.344	98	229	61.27	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	122.54%
62) 4-Bromofluorobenzene	0.000	95	0	0.00	ug/l	
Spiked Amount	50.000	Range	25 - 144	Recovery	=	0.00%#
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.103	96	54	17.92	ug/l #	1
18) Methyl Acetate	4.903	43	73	59.88	ug/l #	43
21) trans-1,2-Dichloroethene	5.579	96	70	20.24	ug/l #	1
22) Diisopropyl ether	6.291	45	57	6.45	ug/l #	34
23) Vinyl Acetate	6.379	43	57	12.09	ug/l #	66
27) cis-1,2-Dichloroethene	7.226	96	118	31.42	ug/l #	1
41) Methacrylonitrile	7.655	41	55	151.17	ug/l #	19
43) Isopropyl Acetate	8.250	43	55	43.78	ug/l #	46
48) Methyl methacrylate	9.497	41	71	113.54	ug/l #	10
51) 4-Methyl-2-Pentanone	10.220	43	55	94.18	ug/l #	31
59) 2-Hexanone	11.091	43	72	177.86	ug/l #	19
65) Chlorobenzene	11.673	112	56	39.93	ug/l #	43
67) Ethyl Benzene	11.738	91	173	66.63	ug/l #	42
70) Styrene	12.208	104	71	45.69	ug/l #	27

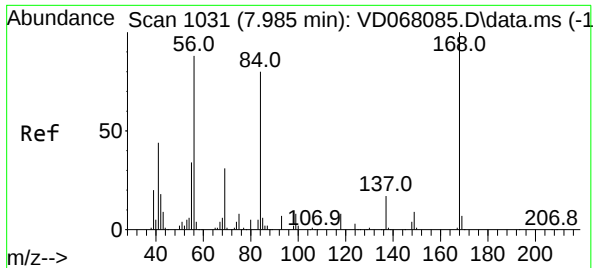
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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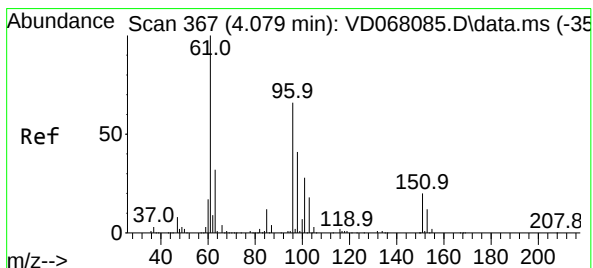
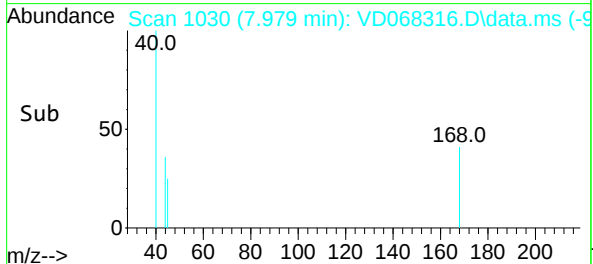
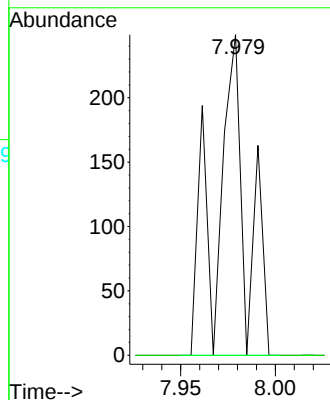
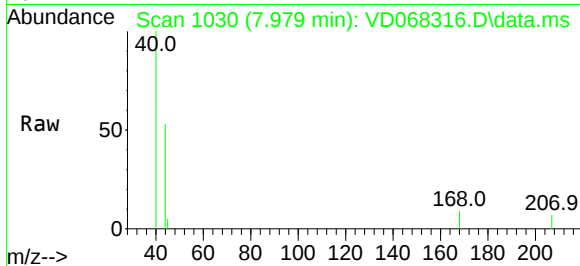




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068316.D
Acq: 08 Feb 2021 13:51

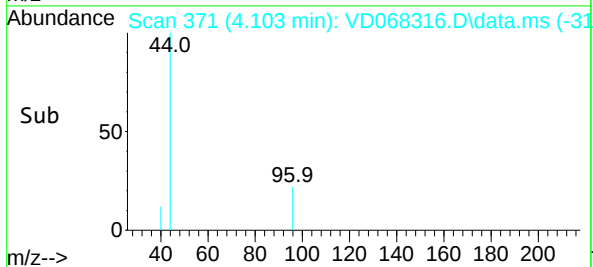
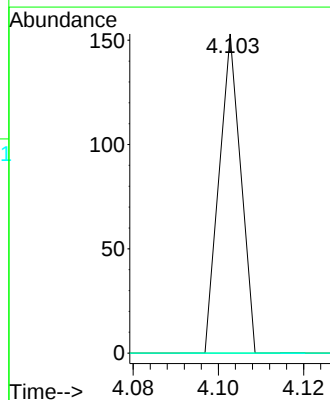
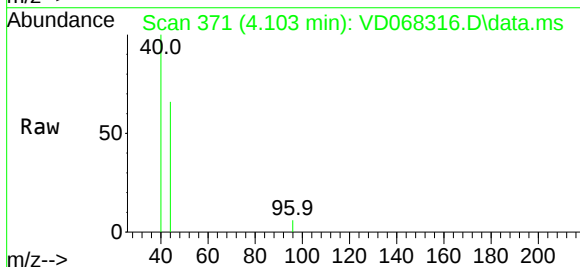
Instrument :
MSVOA_D
ClientSampleId :

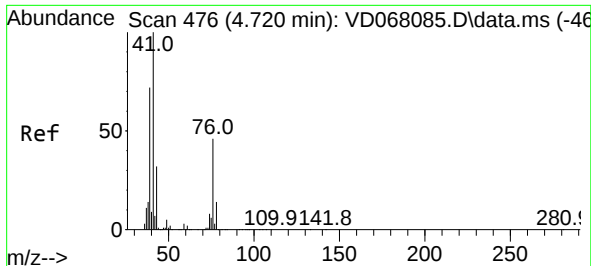
Tgt Ion:168 Resp: 275
Ion Ratio Lower Upper
168 100
99 0.0 43.5 65.3#



#12
1,1-Dichloroethene
Concen: 17.92 ug/l
RT: 4.103 min Scan# 371
Delta R.T. 0.024 min
Lab File: VD068316.D
Acq: 08 Feb 2021 13:51

Tgt Ion: 96 Resp: 54
Ion Ratio Lower Upper
96 100
61 0.0 116.2 174.4#
98 0.0 48.6 73.0#

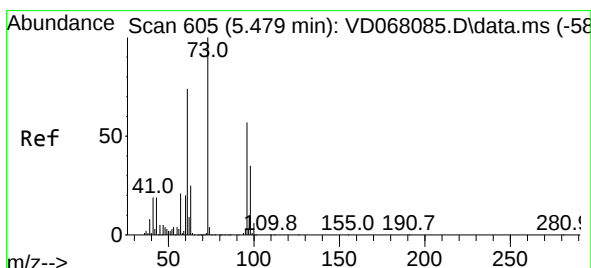
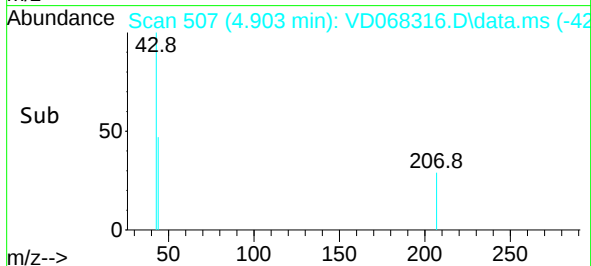
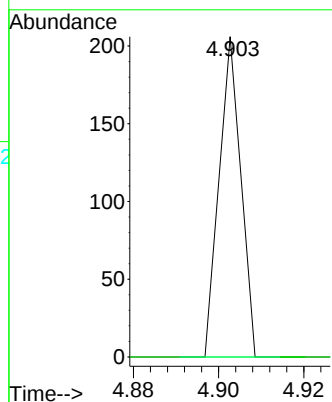
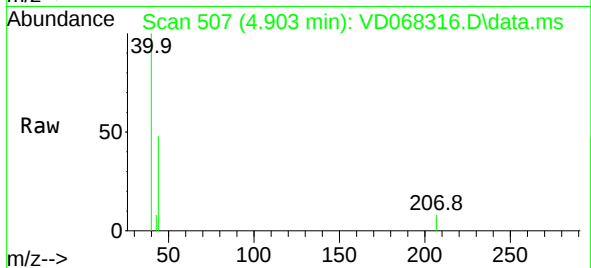




#18
Methyl Acetate
Concen: 59.88 ug/l
RT: 4.903 min Scan# 507
Delta R.T. 0.183 min
Lab File: VD068316.D
Acq: 08 Feb 2021 13:51

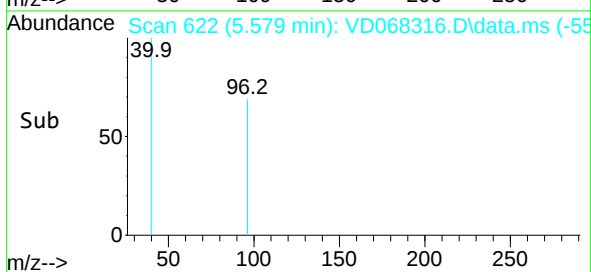
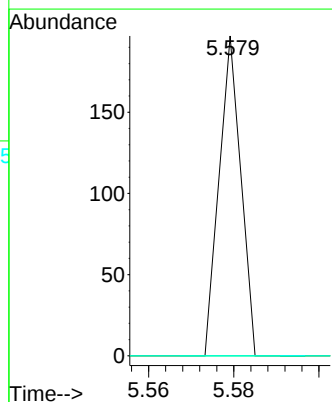
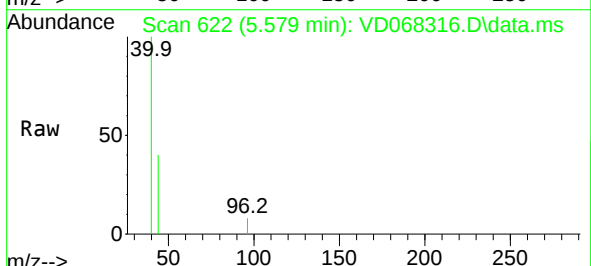
Instrument :
MSVOA_D
ClientSampleId :

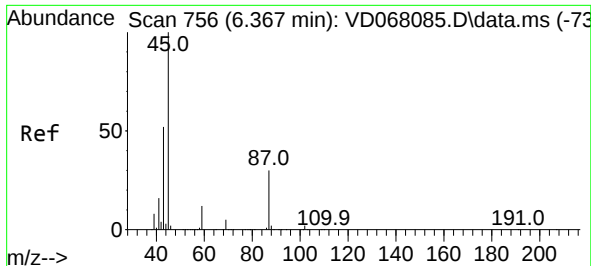
Tgt Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
74 0.0 25.4 38.0#



#21
trans-1,2-Dichloroethene
Concen: 20.24 ug/l
RT: 5.579 min Scan# 622
Delta R.T. 0.100 min
Lab File: VD068316.D
Acq: 08 Feb 2021 13:51

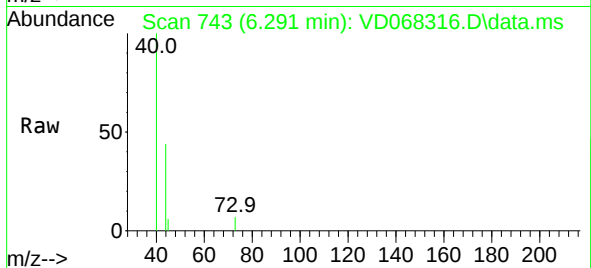
Tgt Ion: 96 Resp: 70
Ion Ratio Lower Upper
96 100
61 0.0 96.7 145.1#
98 0.0 47.6 71.4#



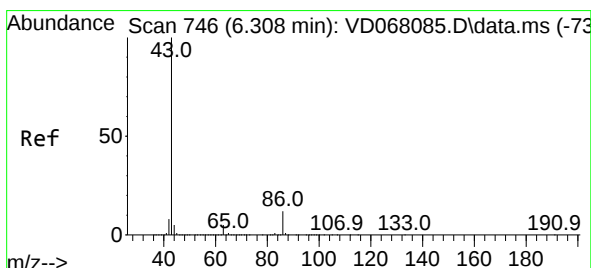
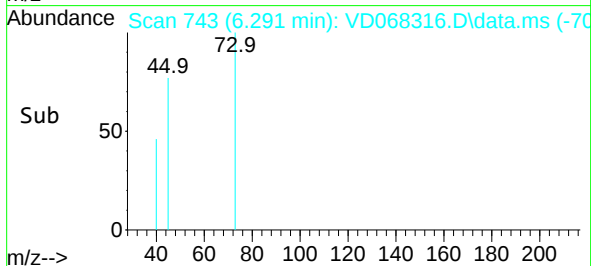
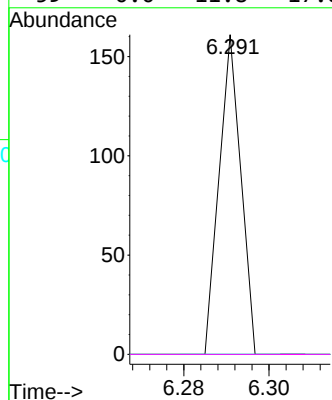


#22
Diisopropyl ether
Concen: 6.45 ug/l
RT: 6.291 min Scan# 743
Delta R.T. -0.076 min
Lab File: VD068316.D
Acq: 08 Feb 2021 13:51

Instrument :
MSVOA_D
ClientSampleId :

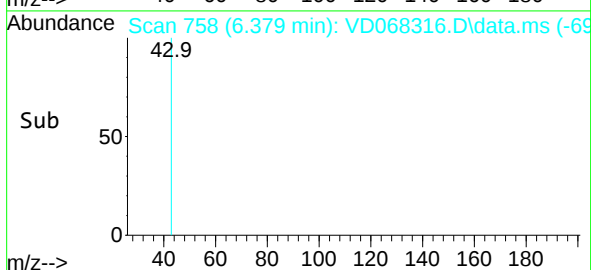
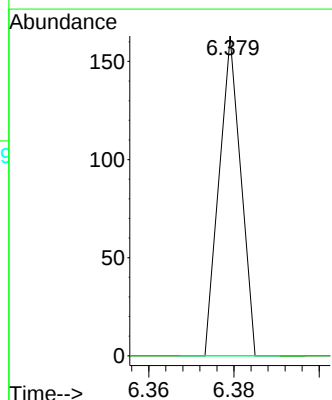
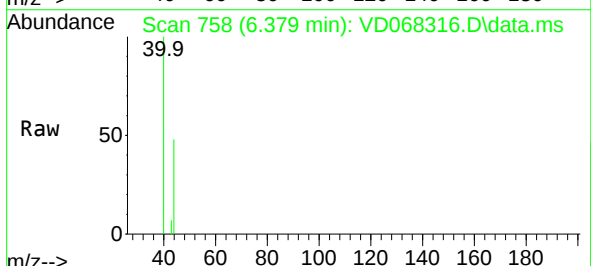


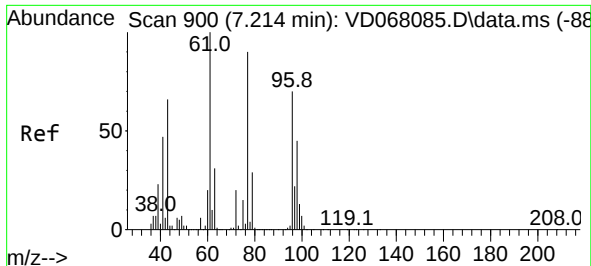
Tgt Ion: 45	Resp: 57
Ion Ratio	Lower Upper
45 100	
43 0.0	43.9 65.9#
87 0.0	29.9 44.9#
59 0.0	11.8 17.8#



#23
Vinyl Acetate
Concen: 12.09 ug/l
RT: 6.379 min Scan# 758
Delta R.T. 0.071 min
Lab File: VD068316.D
Acq: 08 Feb 2021 13:51

Tgt Ion: 43	Resp: 57
Ion Ratio	Lower Upper
43 100	
86 0.0	10.8 16.2#





#27

cis-1,2-Dichloroethene

Concen: 31.42 ug/l

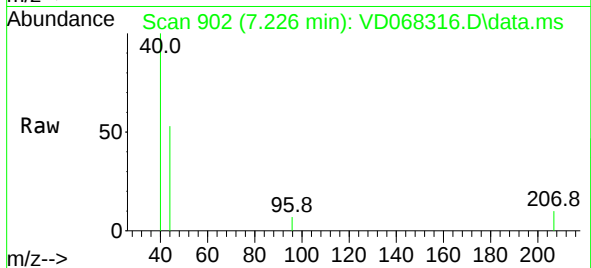
RT: 7.226 min Scan# 902

Delta R.T. 0.012 min

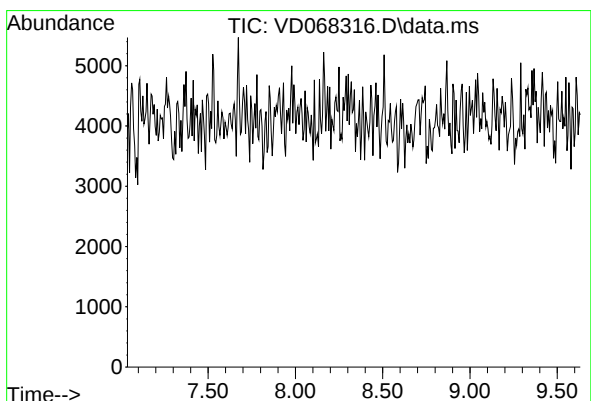
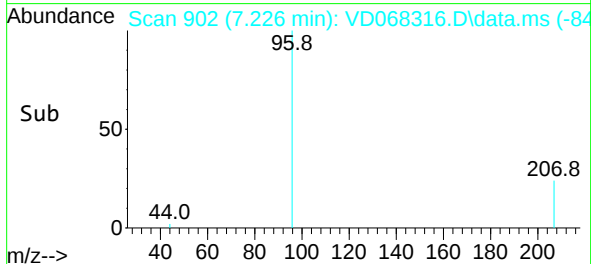
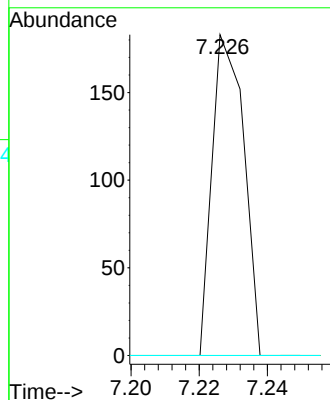
Lab File: VD068316.D

Acq: 08 Feb 2021 13:51

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion: 96	Resp: 118
Ion Ratio	Lower Upper
96	100
61	0.0 0.0 257.4
98	0.0 0.0 126.6



#33

1,2-Dichloroethane-d4

Concen: 0.00 ug/l

Expected RT: 8.34 min

Lab File: VD068316.D

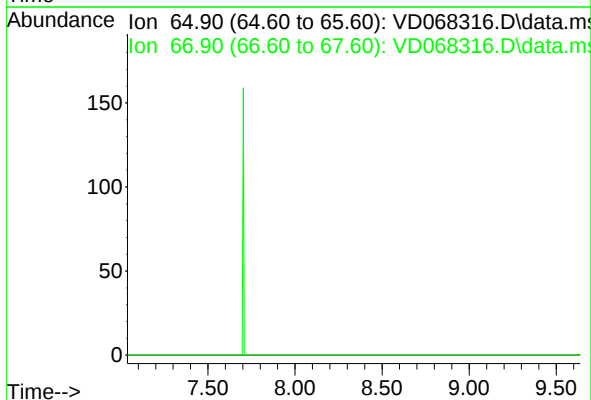
Acq: 08 Feb 2021 13:51

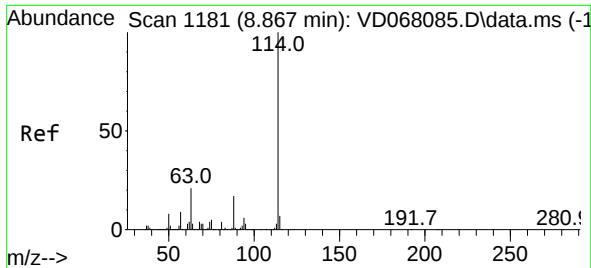
Tgt Ion: 65

Sig Exp Ratio

65 100

67 52.5

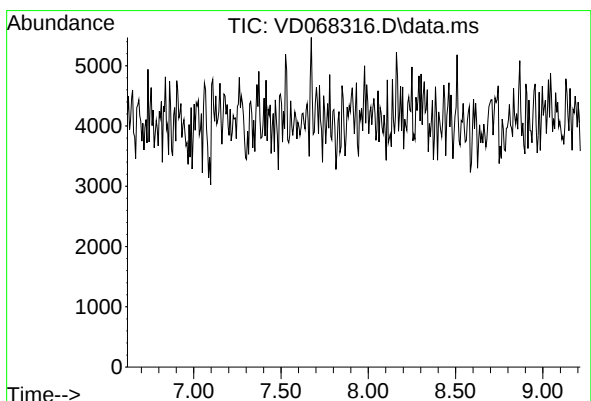
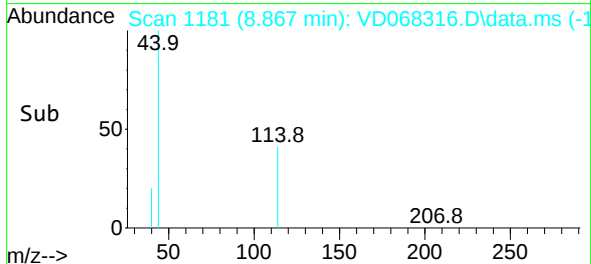
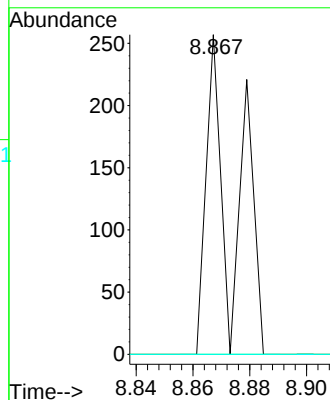
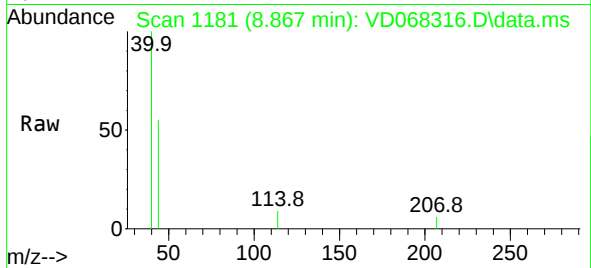




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068316.D
Acq: 08 Feb 2021 13:51

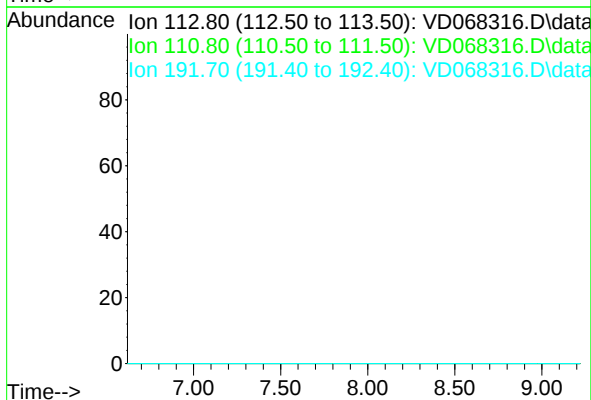
Instrument :
MSVOA_D
ClientSampled :

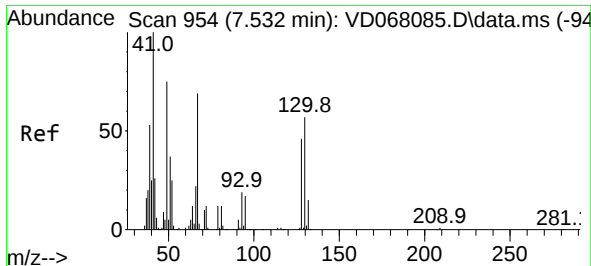
Tgt Ion:114	Resp:	169
Ion	Ratio	Lower Upper
114	100	
63	0.0	0.0 34.8
88	0.0	0.0 31.6



#35
Dibromofluoromethane
Concen: 0.00 ug/l
Expected RT: 7.92 min
Lab File: VD068316.D
Acq: 08 Feb 2021 13:51

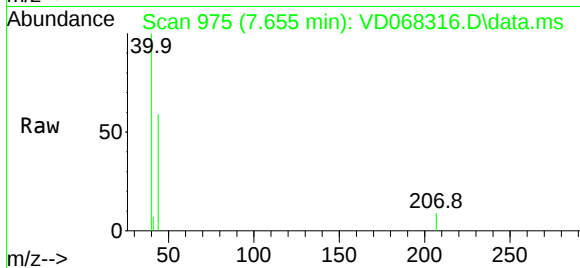
Tgt Ion: 113	
Sig	Exp Ratio
113	100
111	101.7
192	20.1



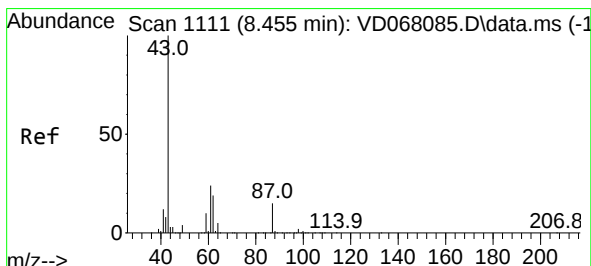
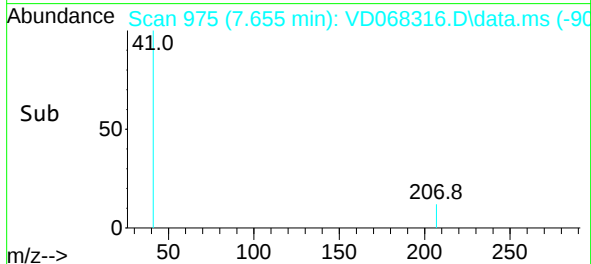
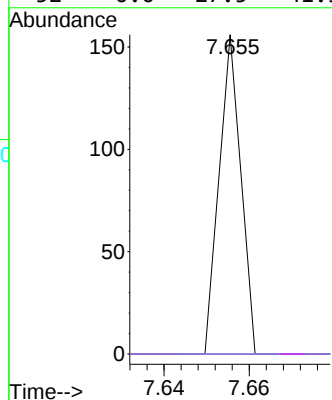


#41
Methacrylonitrile
Concen: 151.17 ug/l
RT: 7.655 min Scan# 975
Delta R.T. 0.123 min
Lab File: VD068316.D
Acq: 08 Feb 2021 13:51

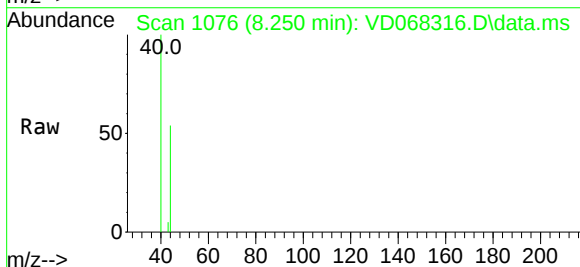
Instrument :
MSVOA_D
ClientSampleId :



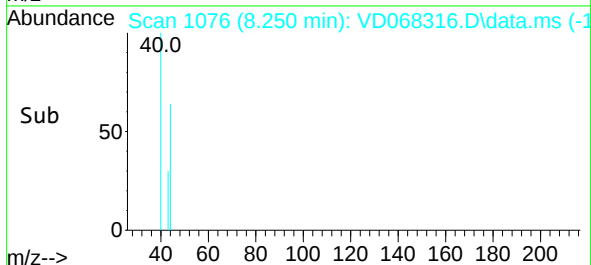
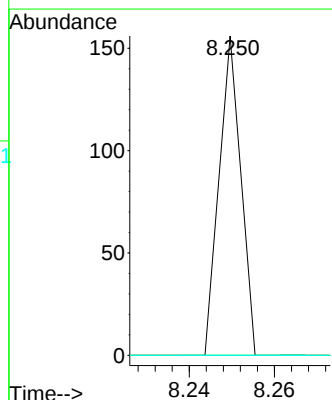
Tgt Ion: 41	Resp: 55
Ion Ratio	Lower Upper
41 100	
39 0.0	45.2 67.8#
67 0.0	67.4 101.2#
52 0.0	27.5 41.3#

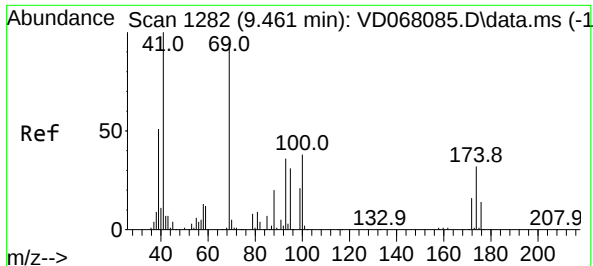


#43
Isopropyl Acetate
Concen: 43.78 ug/l
RT: 8.250 min Scan# 1076
Delta R.T. -0.206 min
Lab File: VD068316.D
Acq: 08 Feb 2021 13:51



Tgt Ion: 43	Resp: 55
Ion Ratio	Lower Upper
43 100	
61 0.0	28.7 43.1#
87 0.0	13.9 20.9#

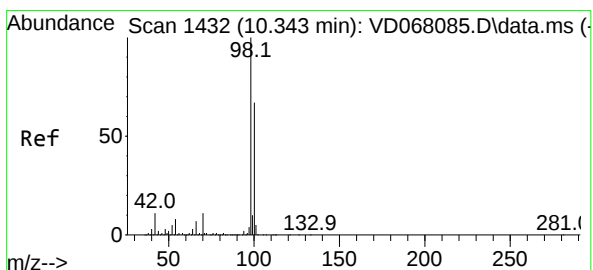
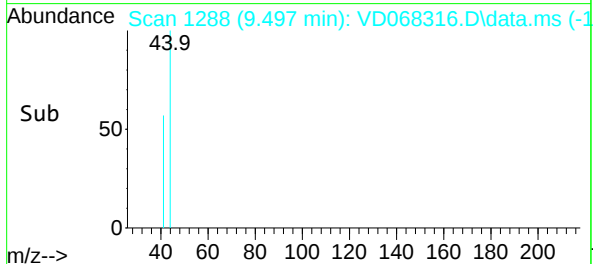
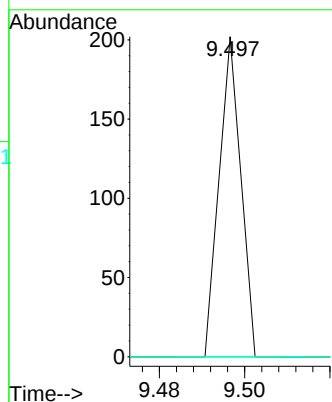
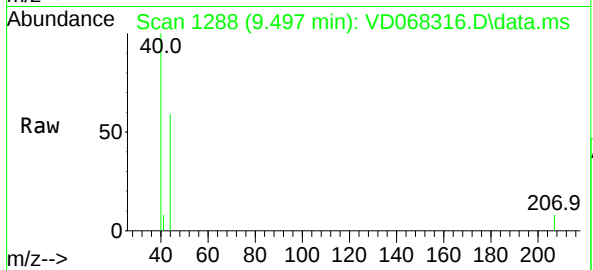




#48
Methyl methacrylate
Concen: 113.54 ug/l
RT: 9.497 min Scan# 1288
Delta R.T. 0.036 min
Lab File: VD068316.D
Acq: 08 Feb 2021 13:51

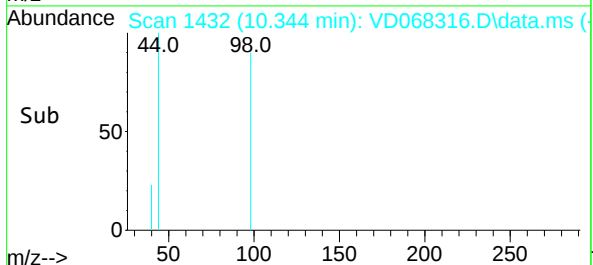
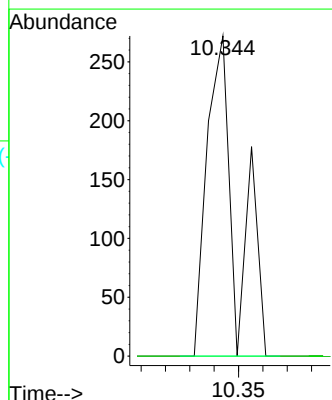
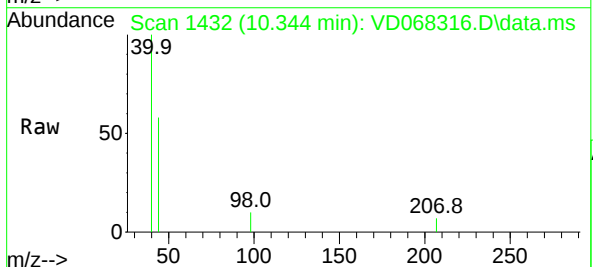
Instrument :
MSVOA_D
ClientSampled :

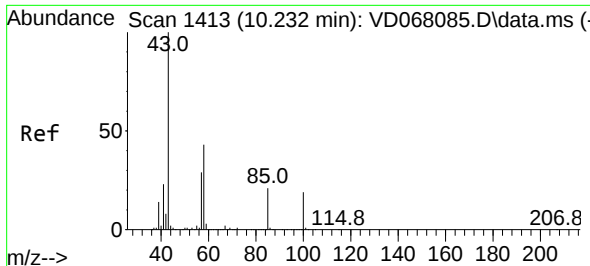
Tgt Ion: 41 Resp: 71
Ion Ratio Lower Upper
41 100
69 0.0 77.1 115.7#
39 0.0 41.5 62.3#



#50
Toluene-d8
Concen: 61.27 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068316.D
Acq: 08 Feb 2021 13:51

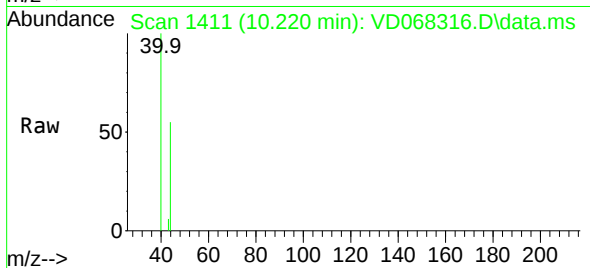
Tgt Ion: 98 Resp: 229
Ion Ratio Lower Upper
98 100
100 0.0 53.0 79.4#



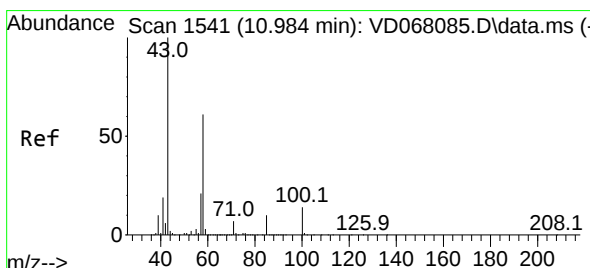
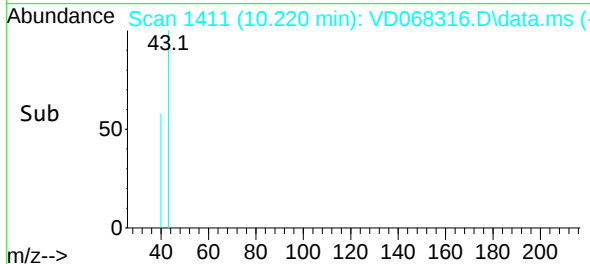
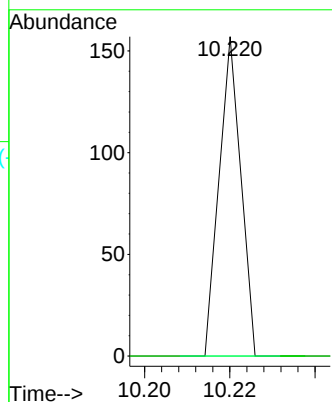


#51
4-Methyl-2-Pentanone
Concen: 94.18 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.012 min
Lab File: VD068316.D
Acq: 08 Feb 2021 13:51

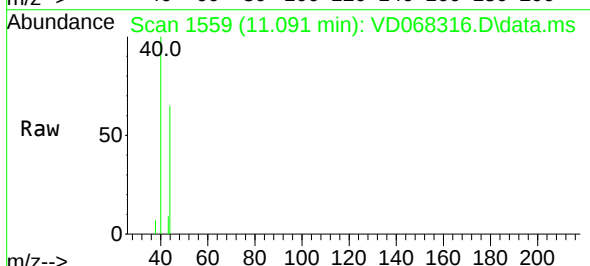
Instrument :
MSVOA_D
ClientSampled :



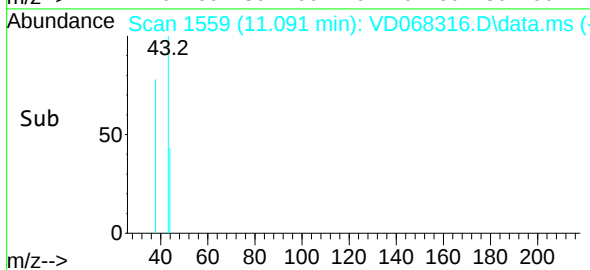
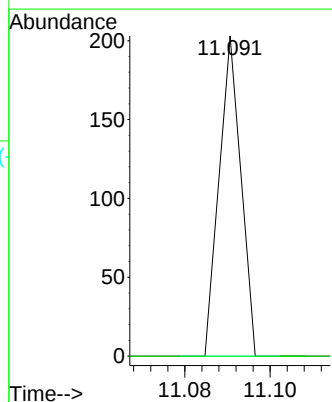
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
58 0.0 36.1 54.1#

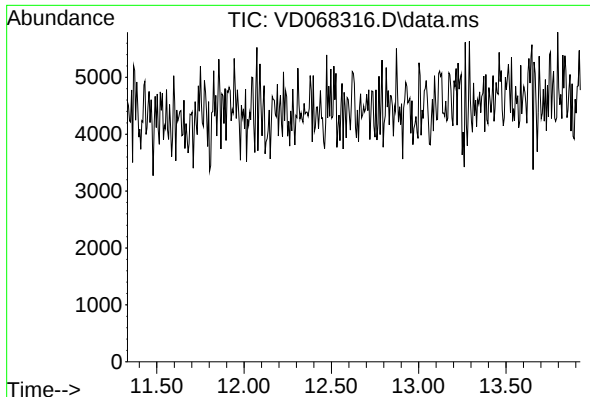


#59
2-Hexanone
Concen: 177.86 ug/l
RT: 11.091 min Scan# 1559
Delta R.T. 0.106 min
Lab File: VD068316.D
Acq: 08 Feb 2021 13:51



Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
58 0.0 31.0 93.0#



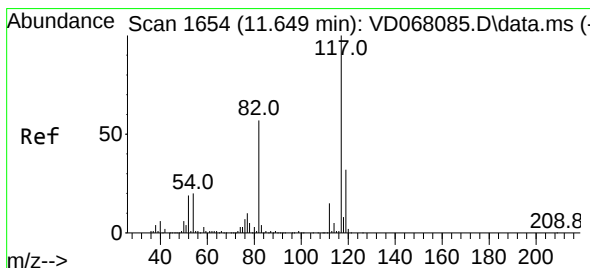
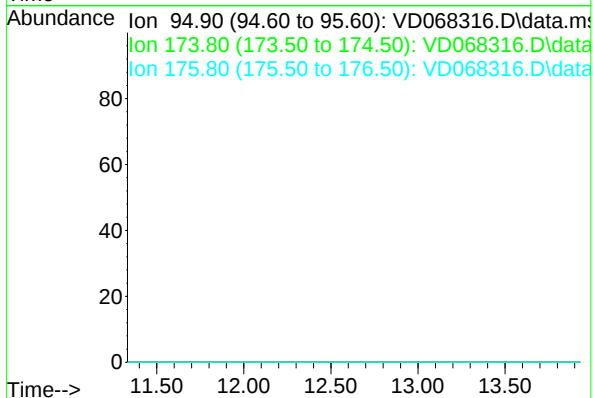


#62
4-Bromofluorobenzene
Concen: 0.00 ug/l
Expected RT: 12.63 min

Lab File: VD068316.D
Acq: 08 Feb 2021 13:51

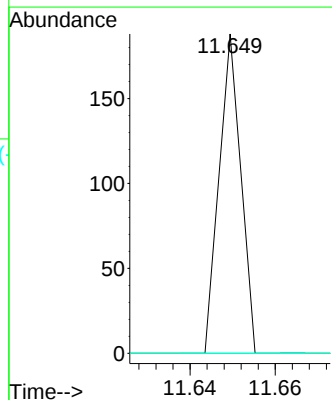
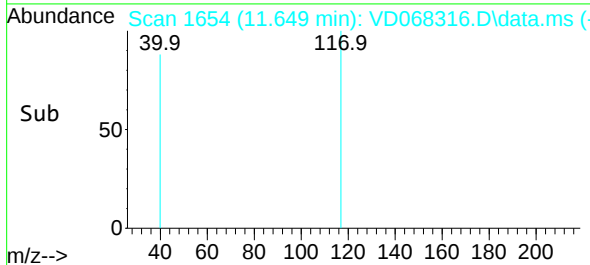
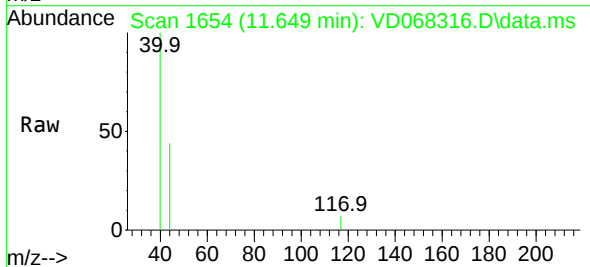
Tgt Ion: 95
Sig Exp Ratio
95 100
174 86.2
176 84.2

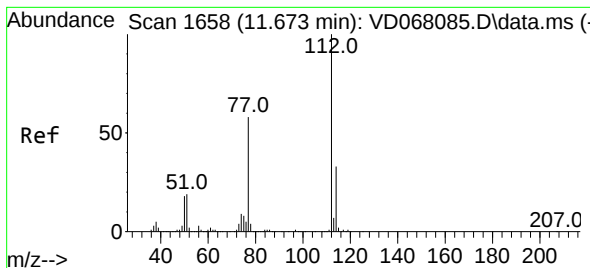
Instrument :
MSVOA_D
ClientSampleId :



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068316.D
Acq: 08 Feb 2021 13:51

Tgt Ion: 117 Resp: 66
Ion Ratio Lower Upper
117 100
82 0.0 41.4 62.0#
119 0.0 26.1 39.1#

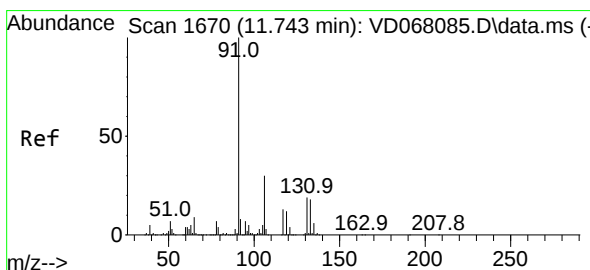
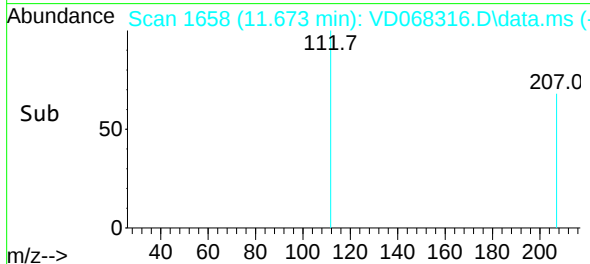
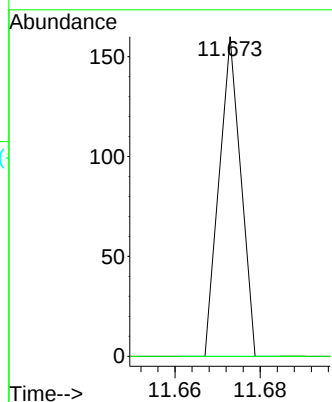
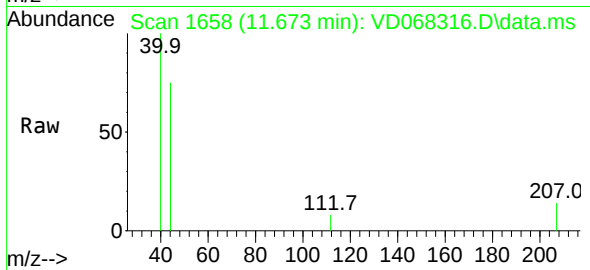




#65
Chlorobenzene
Concen: 39.93 ug/l
RT: 11.673 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VD068316.D
Acq: 08 Feb 2021 13:51

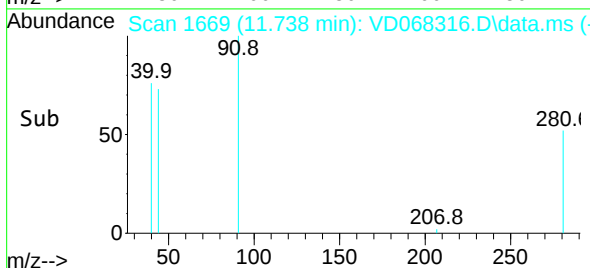
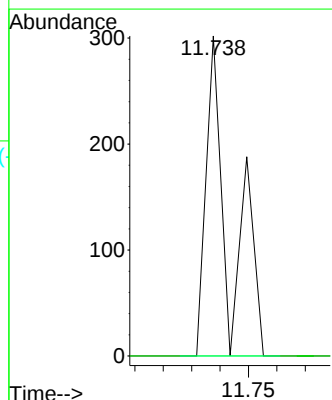
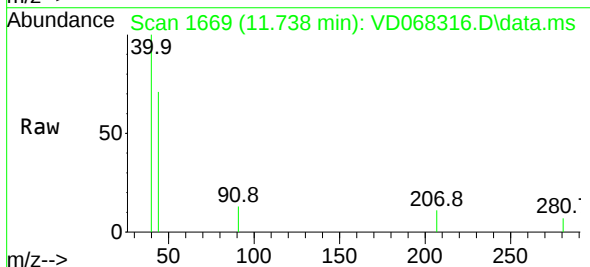
Instrument :
MSVOA_D
ClientSampleId :

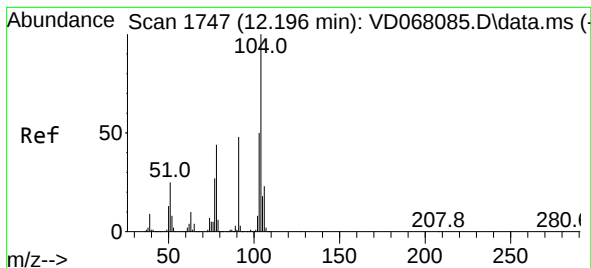
Tgt Ion:112 Resp: 56
Ion Ratio Lower Upper
112 100
114 0.0 25.7 38.5#



#67
Ethyl Benzene
Concen: 66.63 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.006 min
Lab File: VD068316.D
Acq: 08 Feb 2021 13:51

Tgt Ion: 91 Resp: 173
Ion Ratio Lower Upper
91 100
106 0.0 25.9 38.9#

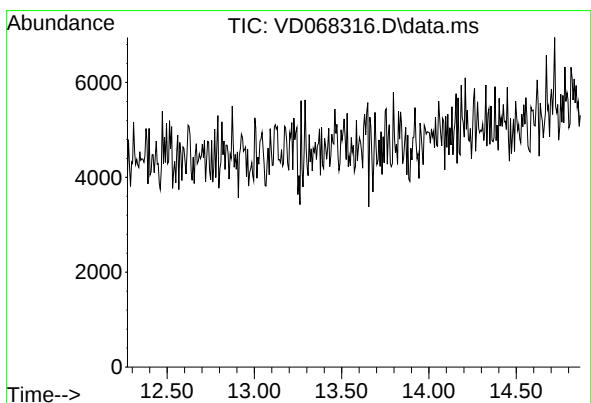
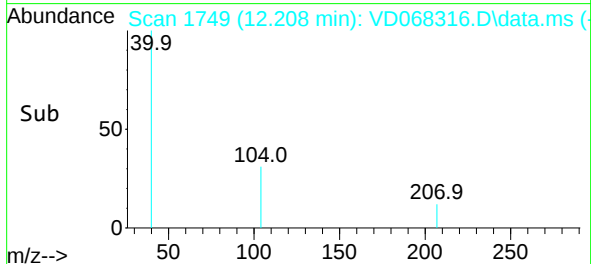
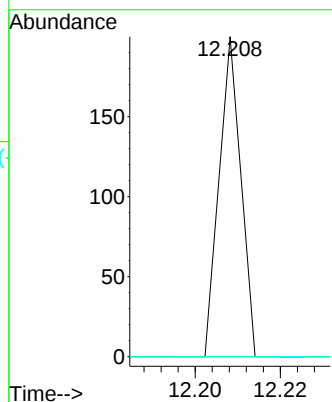
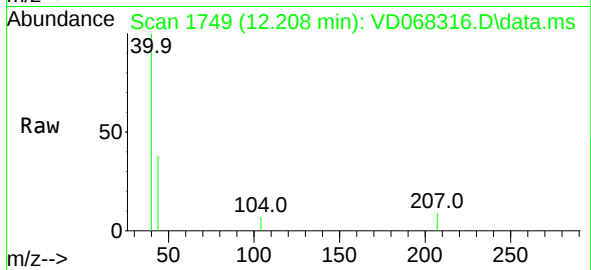




#70
Styrene
Concen: 45.69 ug/l
RT: 12.208 min Scan# 1749
Delta R.T. 0.012 min
Lab File: VD068316.D
Acq: 08 Feb 2021 13:51

Instrument :
MSVOA_D
ClientSampled :

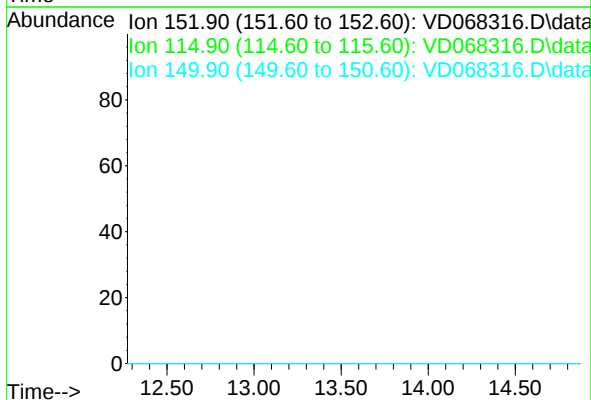
Tgt Ion:104 Resp: 71
Ion Ratio Lower Upper
104 100
78 0.0 38.2 57.2#
103 0.0 43.1 64.7#



#72
1,4-Dichlorobenzene-d4
Concen: 0.00 ug/l
Expected RT: 13.57 min

Lab File: VD068316.D
Acq: 08 Feb 2021 13:51

Tgt Ion: 152
Sig Exp Ratio
152 100
115 57.9
150 172.2



Ion 114.90 (114.60 to 115.60): VD068316.D\data.ms

Ion 149.90 (149.60 to 150.60): VD068316.D\data.ms