

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030321\
 Data File : VD068508.D
 Acq On : 03 Mar 2021 13:00
 Operator : VA/SY
 Sample : M1537-01
 Misc : 7.15G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 04 00:02:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

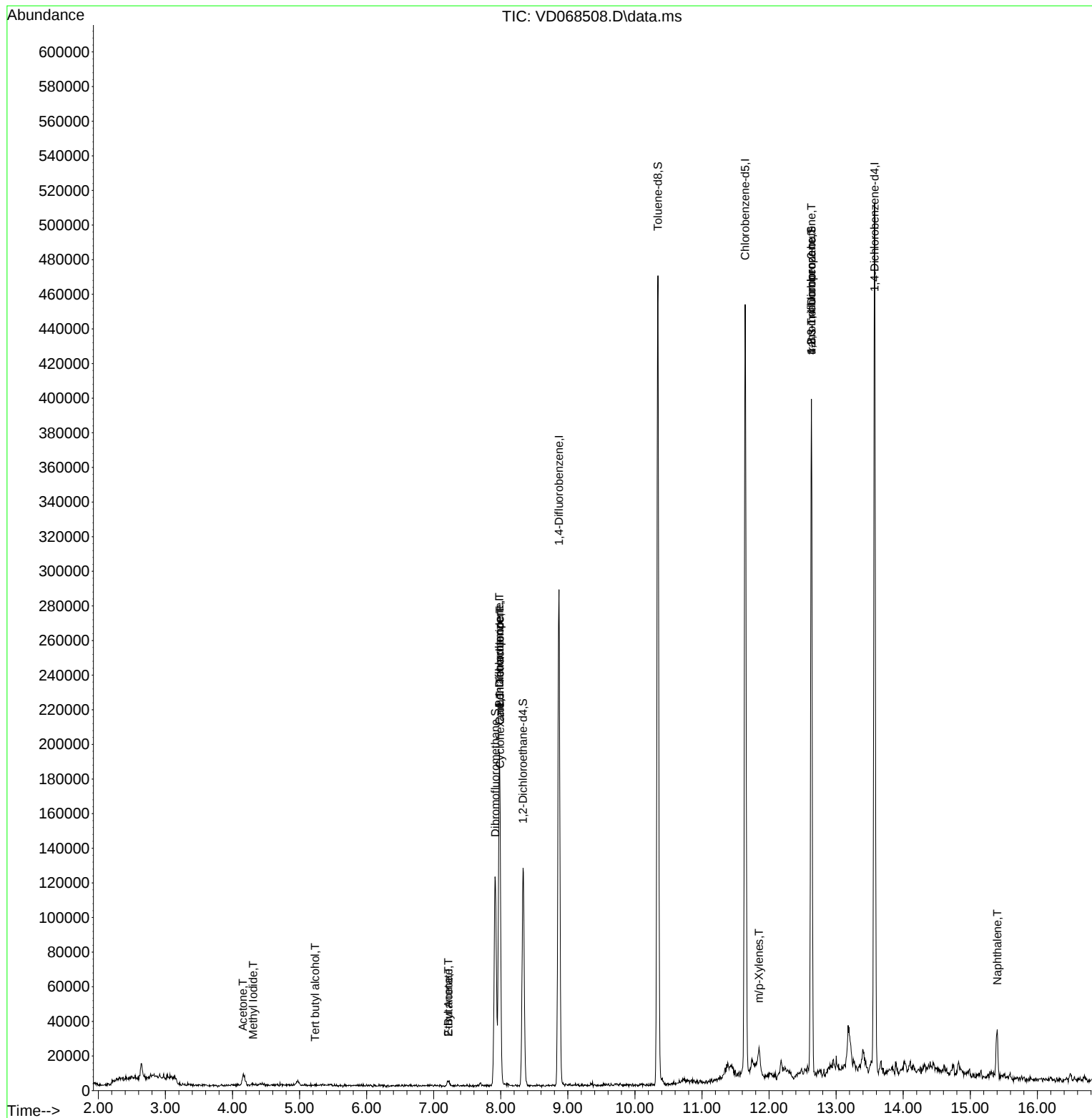
Internal Standards						
1) Pentafluorobenzene	7.979	168	149840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	262206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	273816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	135898	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	100181	66.92	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	133.84%
35) Dibromofluoromethane	7.920	113	87860	55.62	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.24%
50) Toluene-d8	10.344	98	332749	52.89	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.78%
62) 4-Bromofluorobenzene	12.632	95	125710	62.00	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	124.00%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.309	142	638	2.95	ug/l #	54
11) Tert butyl alcohol	5.232	59	190	2.38	ug/l #	74
16) Acetone	4.156	43	10780	45.33	ug/l #	82
20) Methylene Chloride	4.973	84	2207	Below Cal	#	95
25) 2-Butanone	7.220	43	4406	12.89	ug/l	91
31) Cyclohexane	7.991	56	3618	1.33	ug/l #	64
36) 1,1-Dichloropropene	7.979	75	11059	4.44	ug/l #	48
37) Ethyl Acetate	7.220	43	4406	5.33	ug/l #	66
38) Carbon Tetrachloride	7.985	117	14830	6.33	ug/l #	14
68) m/p-Xylenes	11.849	106	3968	1.05	ug/l	81
76) 1,2,3-Trichloropropane	12.632	75	60677	50.29	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	60677	117.37	ug/l #	14
95) Naphthalene	15.402	128	27351	5.13	ug/l #	94

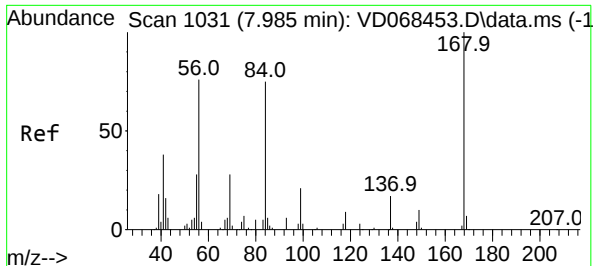
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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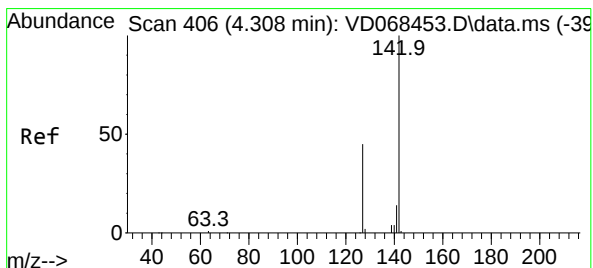
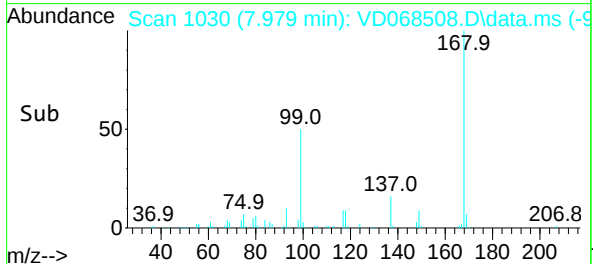
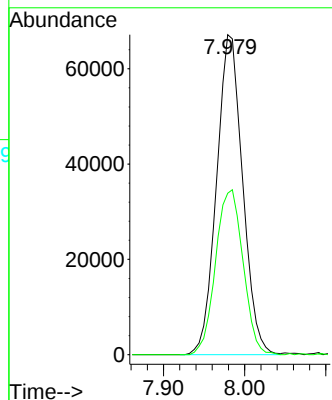
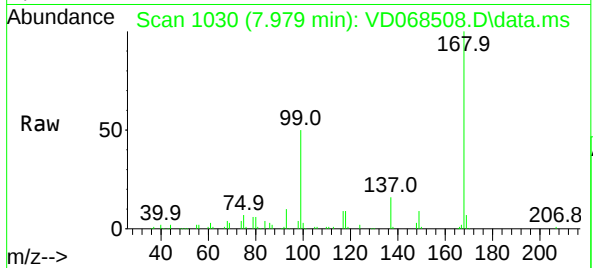




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068508.D
Acq: 03 Mar 2021 13:00

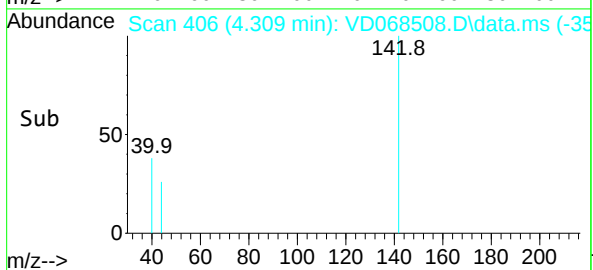
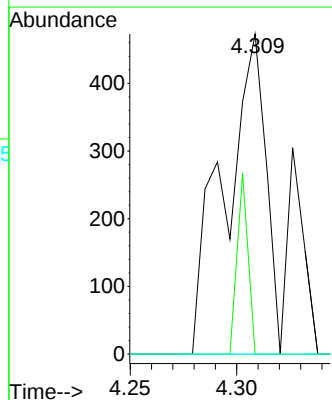
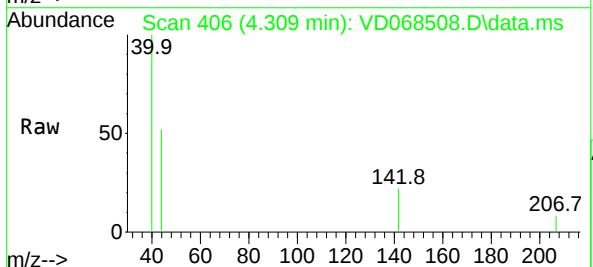
Instrument :
MSVOA_D
ClientSampled :

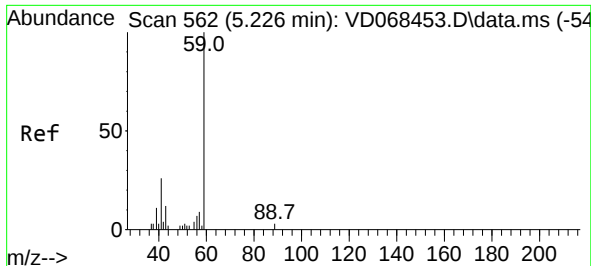
Tgt Ion:168 Resp: 149840
Ion Ratio Lower Upper
168 100
99 50.4 43.5 65.3



#10
Methyl Iodide
Concen: 2.95 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.001 min
Lab File: VD068508.D
Acq: 03 Mar 2021 13:00

Tgt Ion:142 Resp: 638
Ion Ratio Lower Upper
142 100
127 14.7 37.9 56.9#
141 0.0 11.5 17.3#

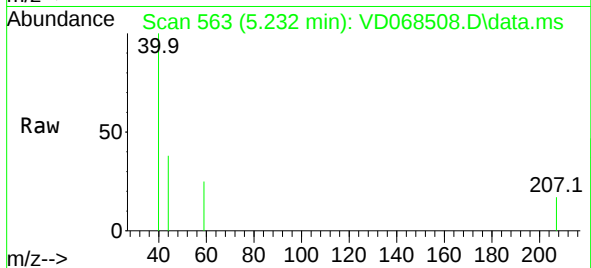




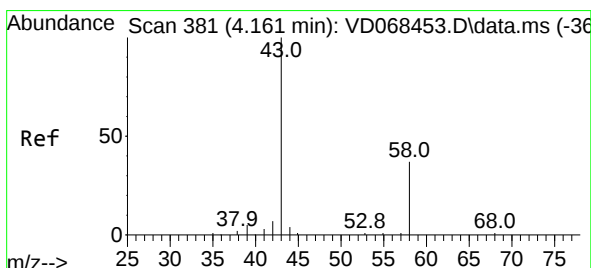
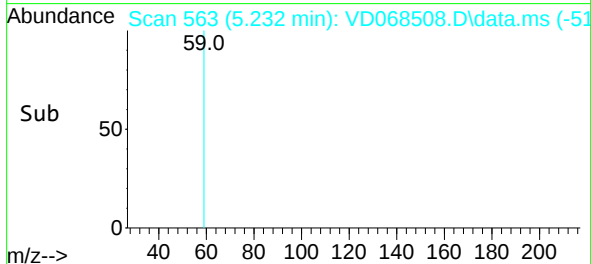
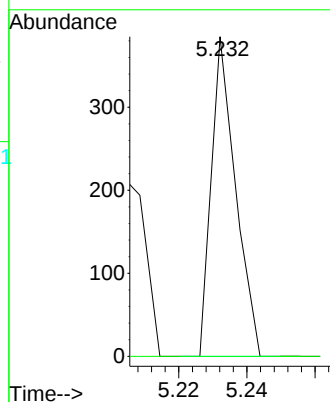
#11

Tert butyl alcohol
Concen: 2.38 ug/l
RT: 5.232 min Scan# 563
Delta R.T. 0.006 min
Lab File: VD068508.D
Acq: 03 Mar 2021 13:00

Instrument :
MSVOA_D
ClientSampled :



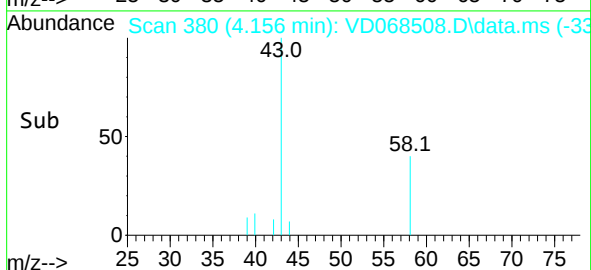
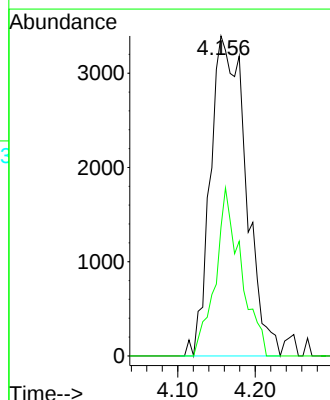
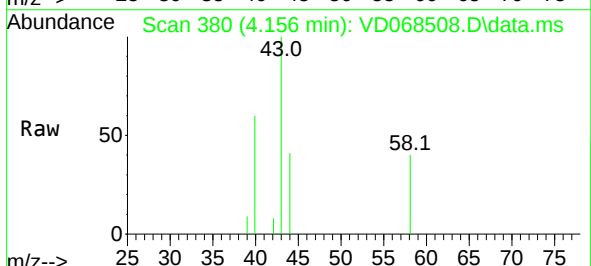
Tgt Ion: 59 Resp: 190
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

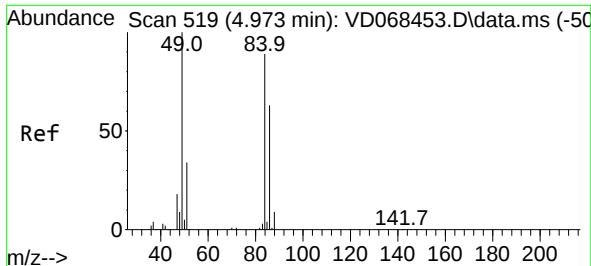


#16

Acetone
Concen: 45.33 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068508.D
Acq: 03 Mar 2021 13:00

Tgt Ion: 43 Resp: 10780
Ion Ratio Lower Upper
43 100
58 40.3 24.2 36.4#

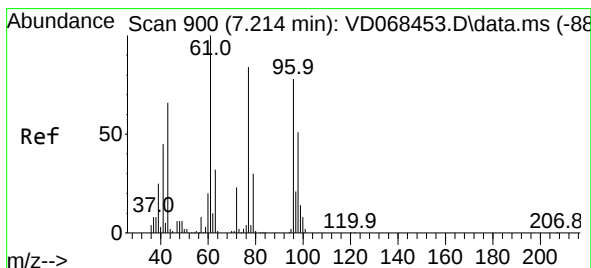
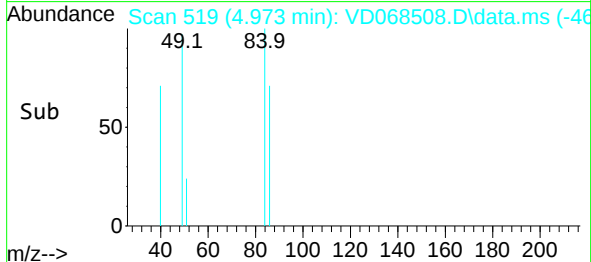
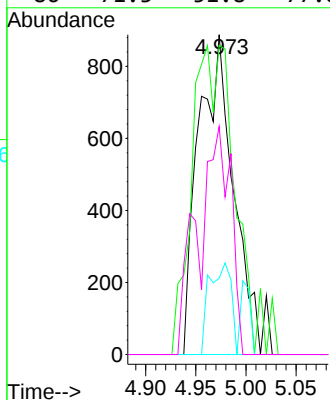
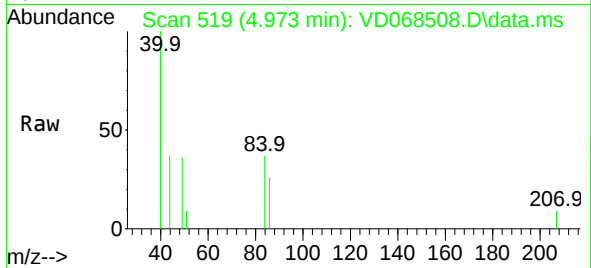




#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068508.D
Acq: 03 Mar 2021 13:00

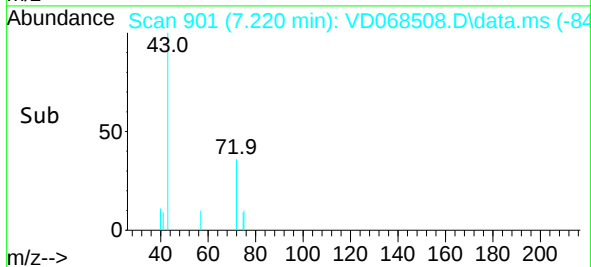
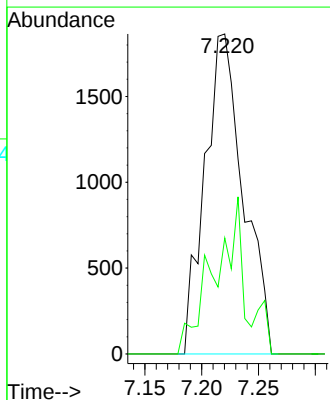
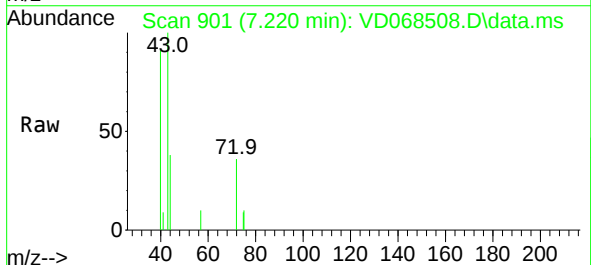
Instrument :
MSVOA_D
ClientSampled :

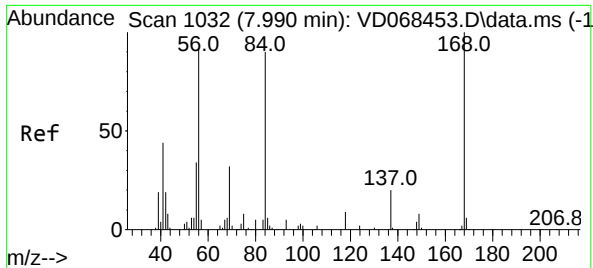
Tgt Ion:	84	Resp:	2207
Ion	Ratio	Lower	Upper
84	100		
49	96.6	77.4	116.2
51	23.9	26.1	39.1#
86	71.3	51.8	77.8



#25
2-Butanone
Concen: 12.89 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD068508.D
Acq: 03 Mar 2021 13:00

Tgt Ion:	43	Resp:	4406
Ion	Ratio	Lower	Upper
43	100		
72	36.3	25.1	37.7

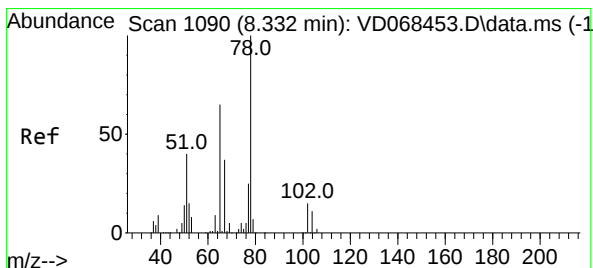
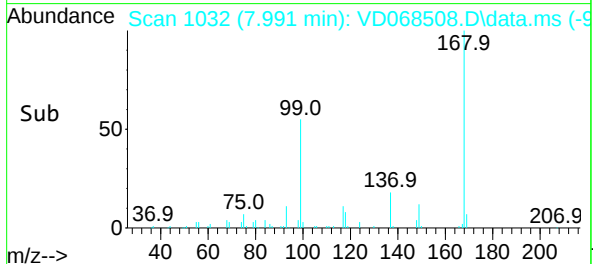
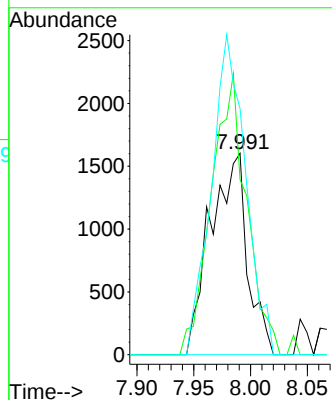
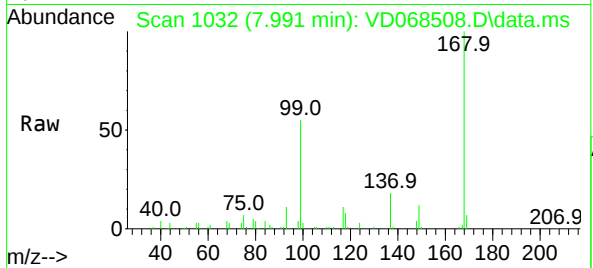




#31
Cyclohexane
Concen: 1.33 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VD068508.D
Acq: 03 Mar 2021 13:00

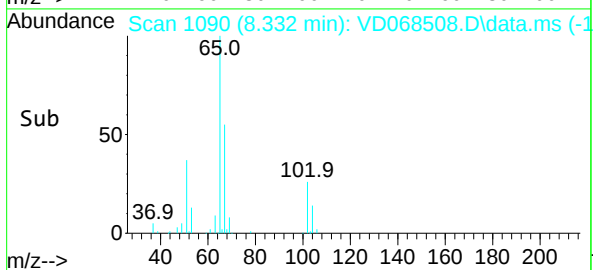
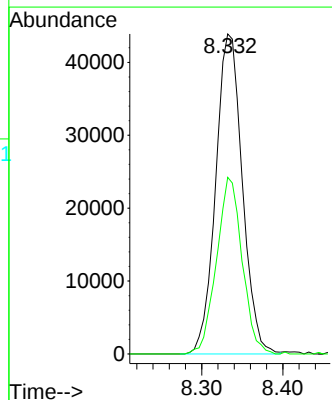
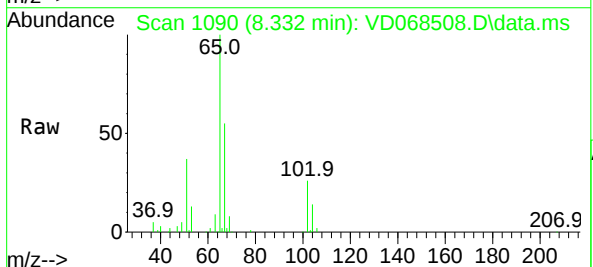
Instrument :
MSVOA_D
ClientSampled :

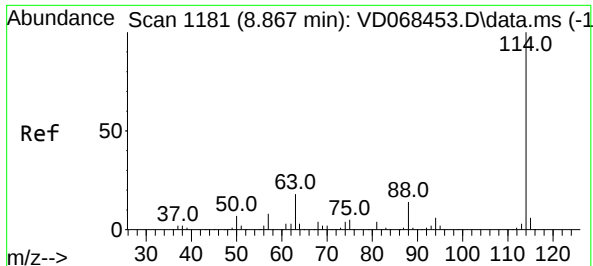
Tgt Ion: 56 Resp: 3618
Ion Ratio Lower Upper
56 100
69 87.0 30.1 45.1#
84 122.3 82.1 123.1



#33
1,2-Dichloroethane-d4
Concen: 66.92 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068508.D
Acq: 03 Mar 2021 13:00

Tgt Ion: 65 Resp: 100181
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.0

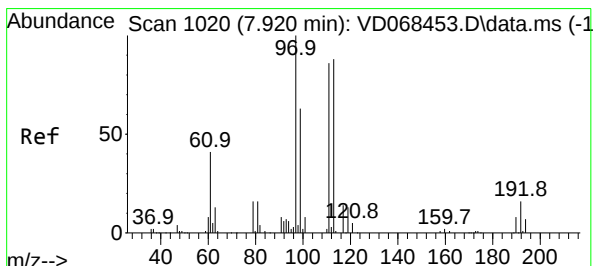
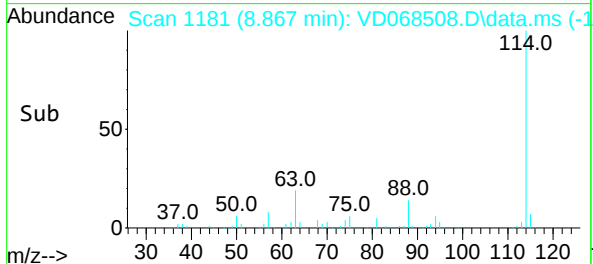
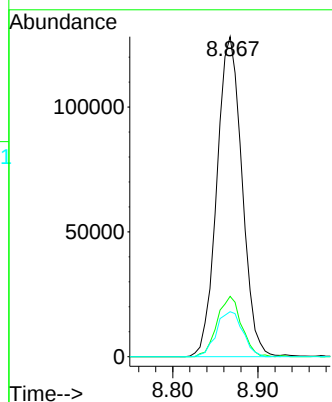
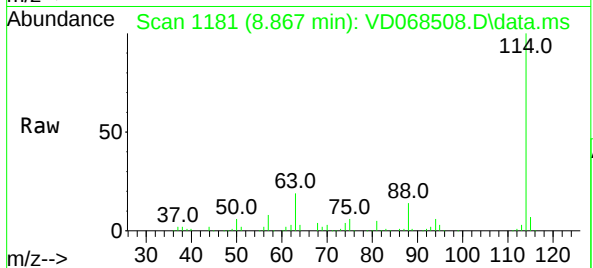




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068508.D
Acq: 03 Mar 2021 13:00

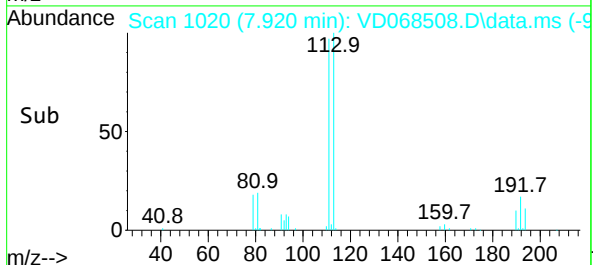
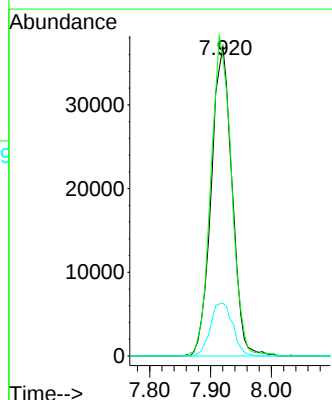
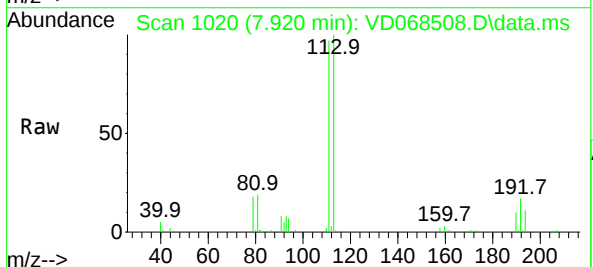
Instrument :
MSVOA_D
ClientSampled :

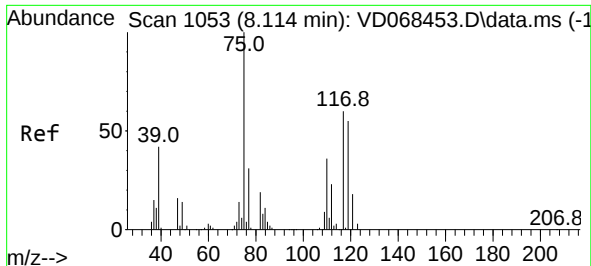
Tgt Ion:114 Resp: 262206
Ion Ratio Lower Upper
114 100
63 18.9 0.0 34.8
88 14.0 0.0 31.6



#35
Dibromofluoromethane
Concen: 55.62 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068508.D
Acq: 03 Mar 2021 13:00

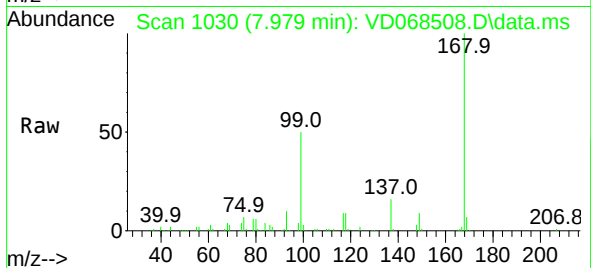
Tgt Ion:113 Resp: 87860
Ion Ratio Lower Upper
113 100
111 103.1 81.4 122.0
192 18.3 16.1 24.1



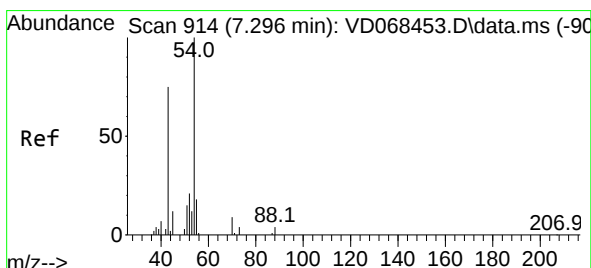
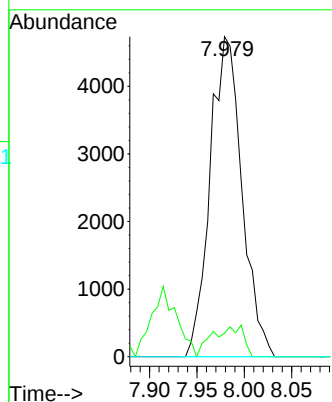
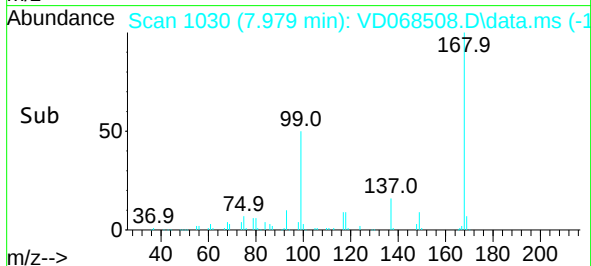


#36
1,1-Dichloropropene
Concen: 4.44 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068508.D
Acq: 03 Mar 2021 13:00

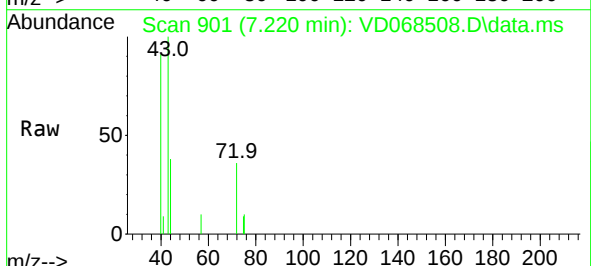
Instrument :
MSVOA_D
ClientSampled :



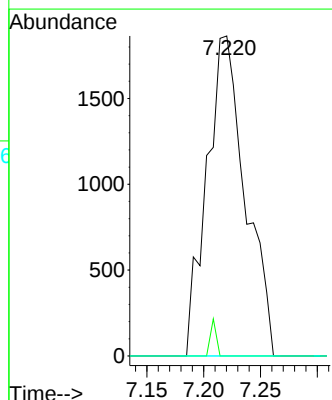
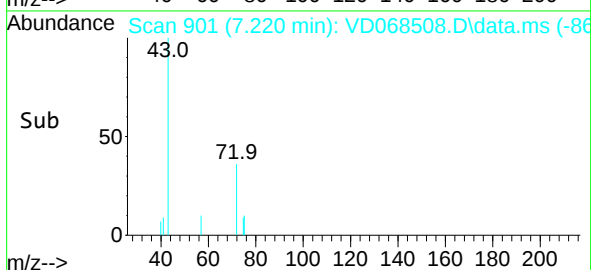
Tgt Ion: 75 Resp: 11059
Ion Ratio Lower Upper
75 100
110 9.3 19.4 58.2#
77 0.0 25.3 37.9#

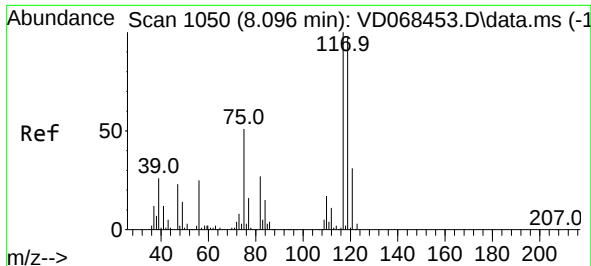


#37
Ethyl Acetate
Concen: 5.33 ug/l
RT: 7.220 min Scan# 901
Delta R.T. -0.076 min
Lab File: VD068508.D
Acq: 03 Mar 2021 13:00



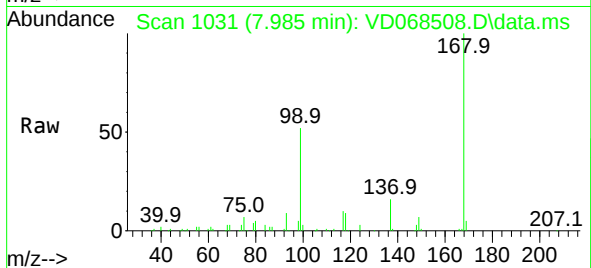
Tgt Ion: 43 Resp: 4406
Ion Ratio Lower Upper
43 100
61 1.7 12.9 19.3#
70 0.0 11.0 16.6#



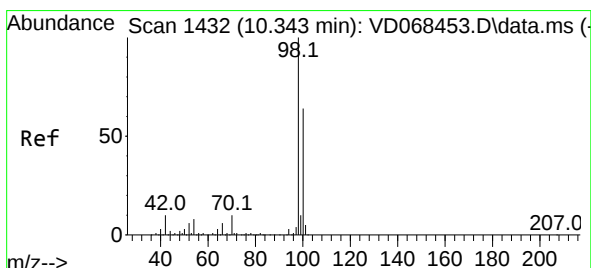
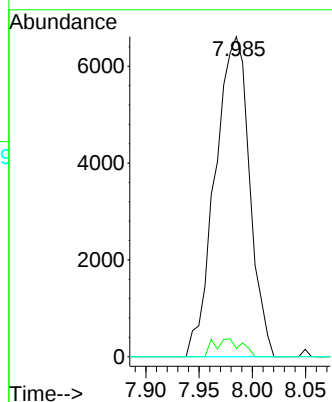
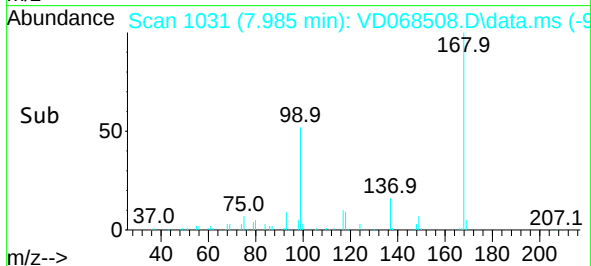


#38
Carbon Tetrachloride
Concen: 6.33 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.111 min
Lab File: VD068508.D
Acq: 03 Mar 2021 13:00

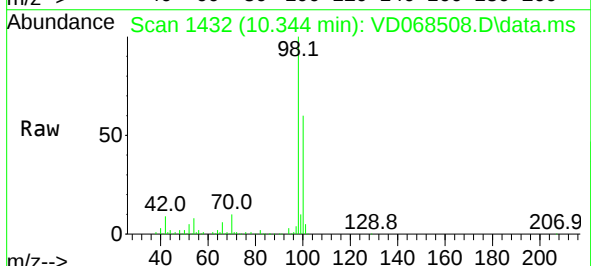
Instrument :
MSVOA_D
ClientSampled :



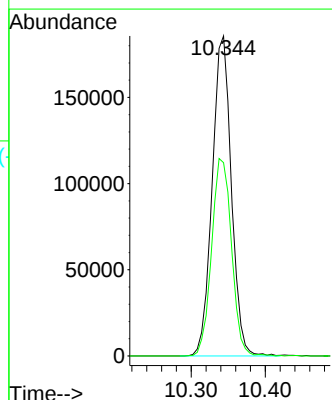
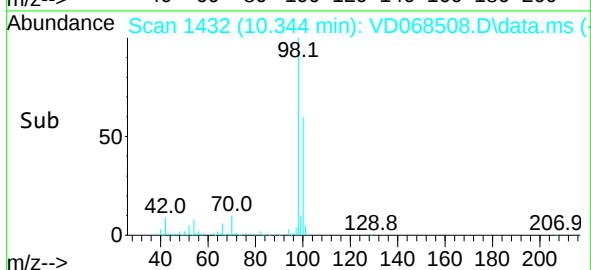
Tgt Ion:117 Resp: 14830
Ion Ratio Lower Upper
117 100
119 2.6 77.3 115.9#
121 0.0 24.7 37.1#

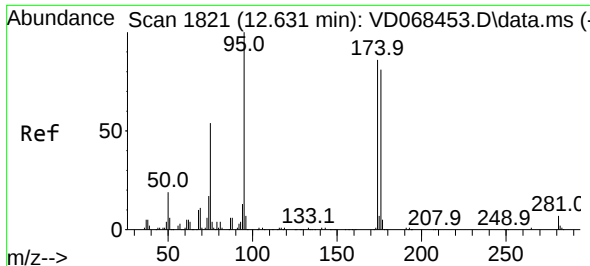


#50
Toluene-d8
Concen: 52.89 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068508.D
Acq: 03 Mar 2021 13:00



Tgt Ion: 98 Resp: 332749
Ion Ratio Lower Upper
98 100
100 64.3 53.0 79.4

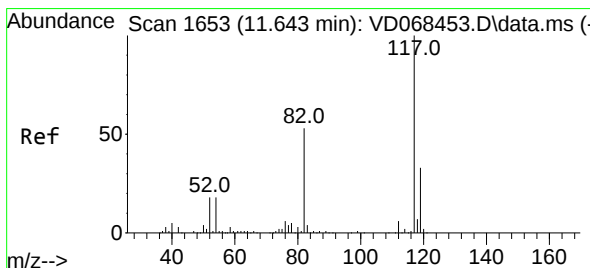
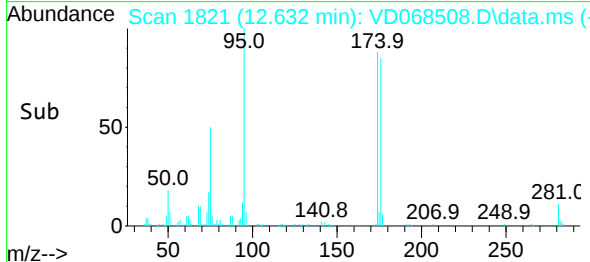
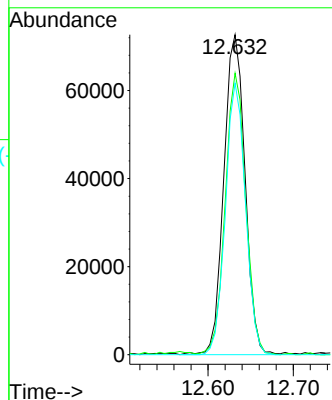
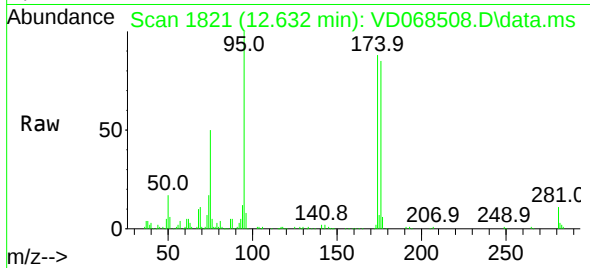




#62
4-Bromofluorobenzene
Concen: 62.00 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068508.D
Acq: 03 Mar 2021 13:00

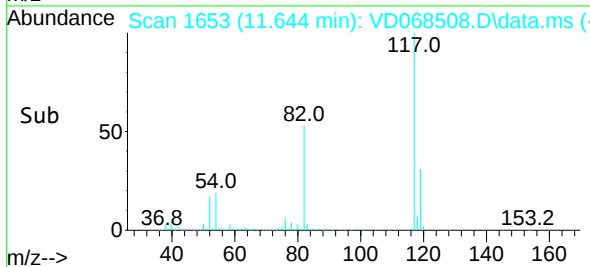
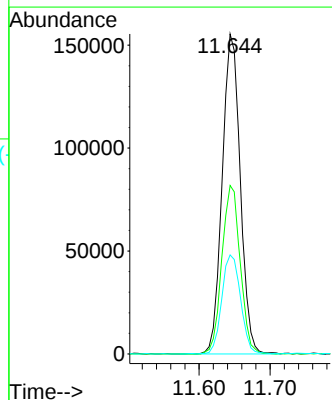
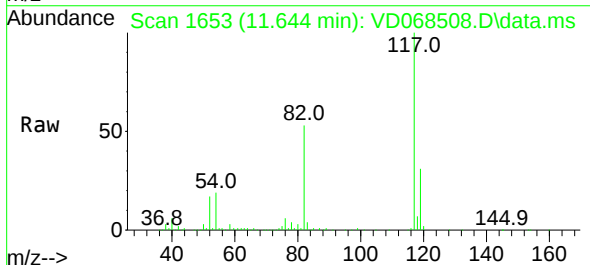
Instrument :
MSVOA_D
ClientSampleId :

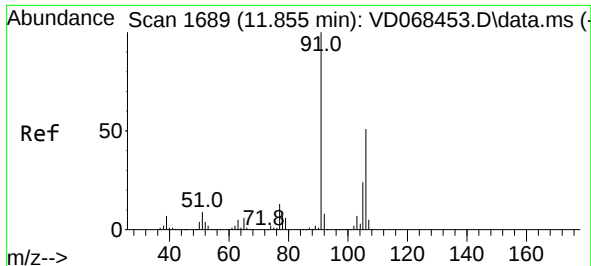
Tgt Ion: 95 Resp: 125710
Ion Ratio Lower Upper
95 100
174 85.2 0.0 172.4
176 80.3 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068508.D
Acq: 03 Mar 2021 13:00

Tgt Ion: 117 Resp: 273816
Ion Ratio Lower Upper
117 100
82 52.7 41.4 62.0
119 31.0 26.1 39.1

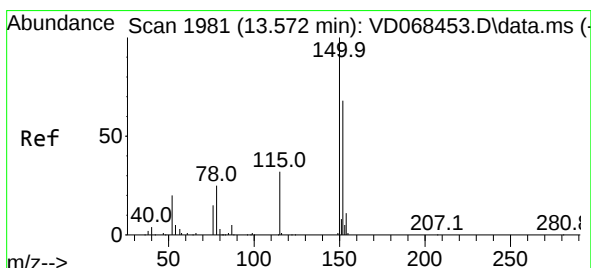
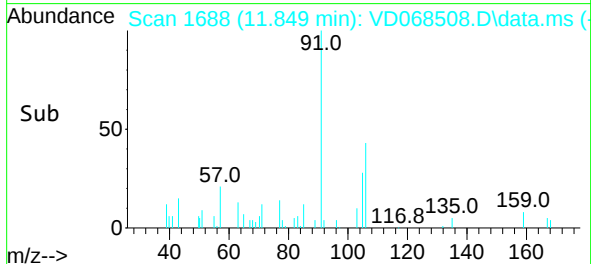
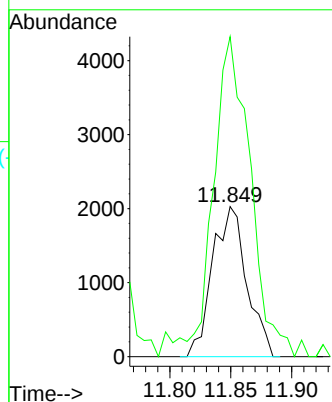
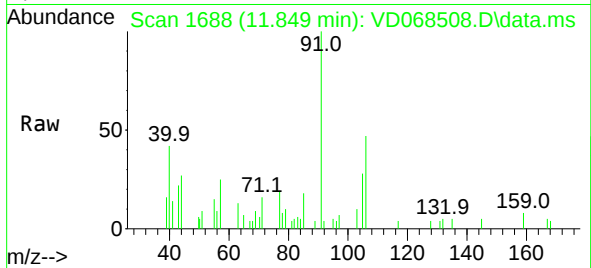




#68
m/p-Xylenes
Concen: 1.05 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068508.D
Acq: 03 Mar 2021 13:00

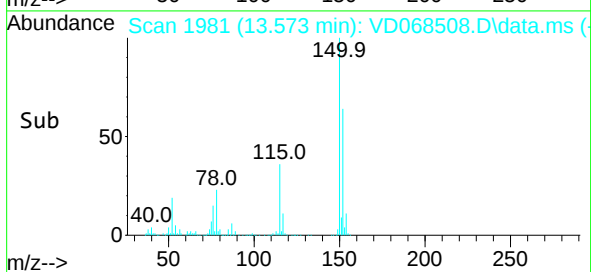
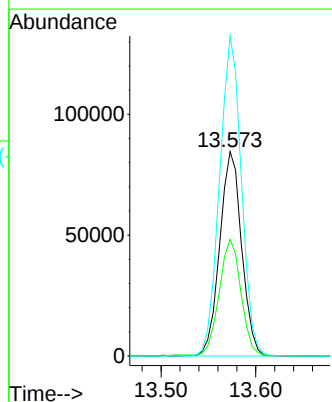
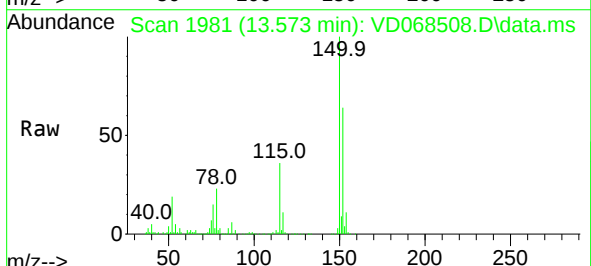
Instrument :
MSVOA_D
ClientSampleId :

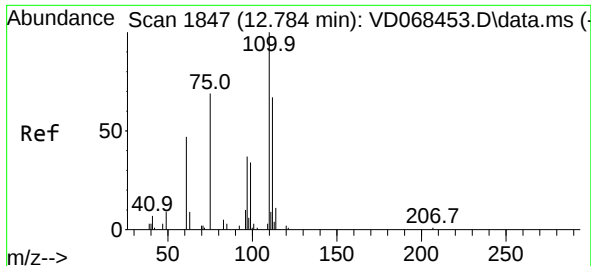
Tgt Ion:106 Resp: 3968
Ion Ratio Lower Upper
106 100
91 227.6 159.1 238.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.001 min
Lab File: VD068508.D
Acq: 03 Mar 2021 13:00

Tgt Ion:152 Resp: 135898
Ion Ratio Lower Upper
152 100
115 56.6 28.9 86.8
150 155.8 0.0 344.4

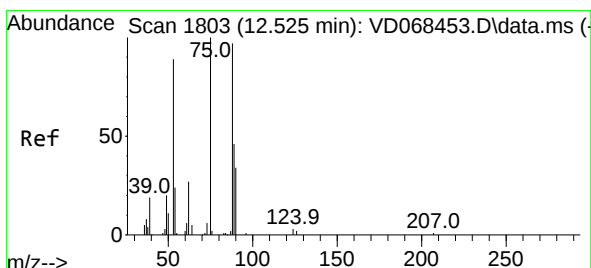
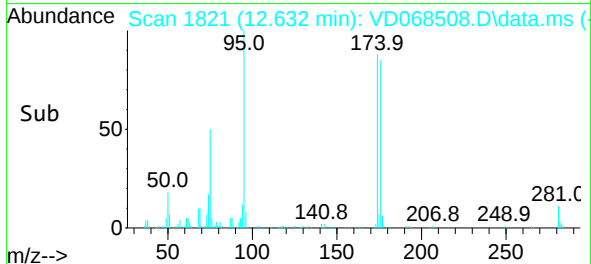
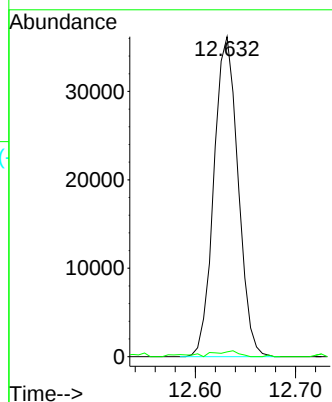
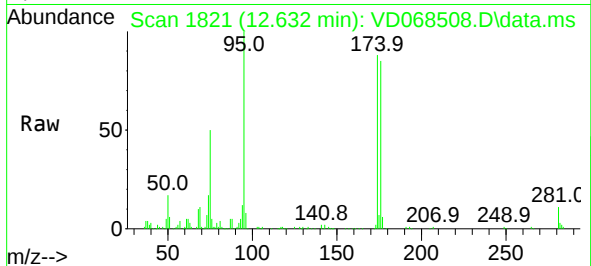




#76
1,2,3-Trichloropropane
Concen: 50.29 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.152 min
Lab File: VD068508.D
Acq: 03 Mar 2021 13:00

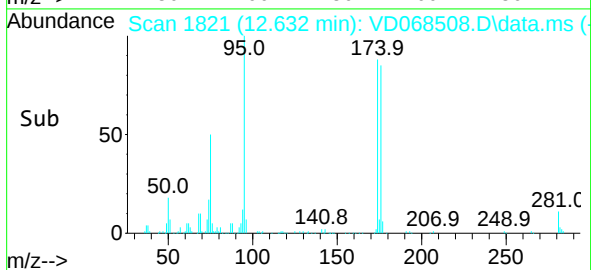
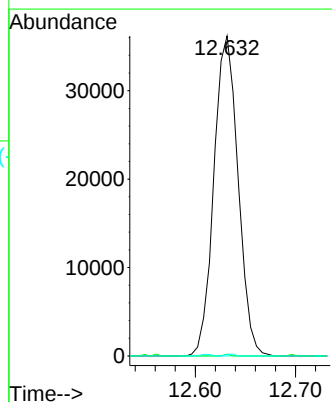
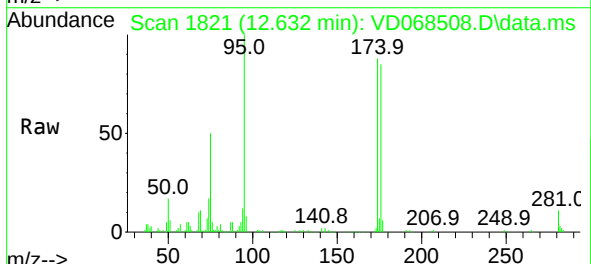
Instrument :
MSVOA_D
ClientSampled :

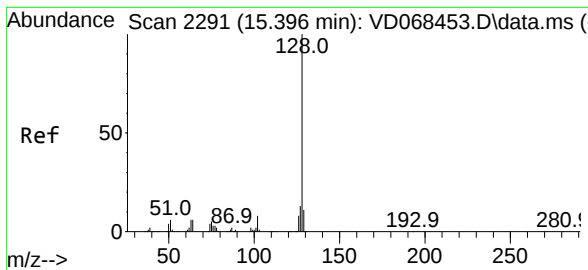
Tgt Ion: 75 Resp: 60677
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.37 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068508.D
Acq: 03 Mar 2021 13:00

Tgt Ion: 75 Resp: 60677
Ion Ratio Lower Upper
75 100
53 0.1 70.2 105.2#
89 0.2 40.3 60.5#





#95
Naphthalene
Concen: 5.13 ug/l
RT: 15.402 min Scan# 2292
Delta R.T. 0.006 min
Lab File: VD068508.D
Acq: 03 Mar 2021 13:00

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 27351
Ion Ratio Lower Upper
128 100
127 13.8 10.2 15.2
129 14.5 8.8 13.2#

