

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031821\
 Data File : VD068656.D
 Acq On : 18 Mar 2021 16:06
 Operator : VA/SY
 Sample : M1686-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 19 01:06:09 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)

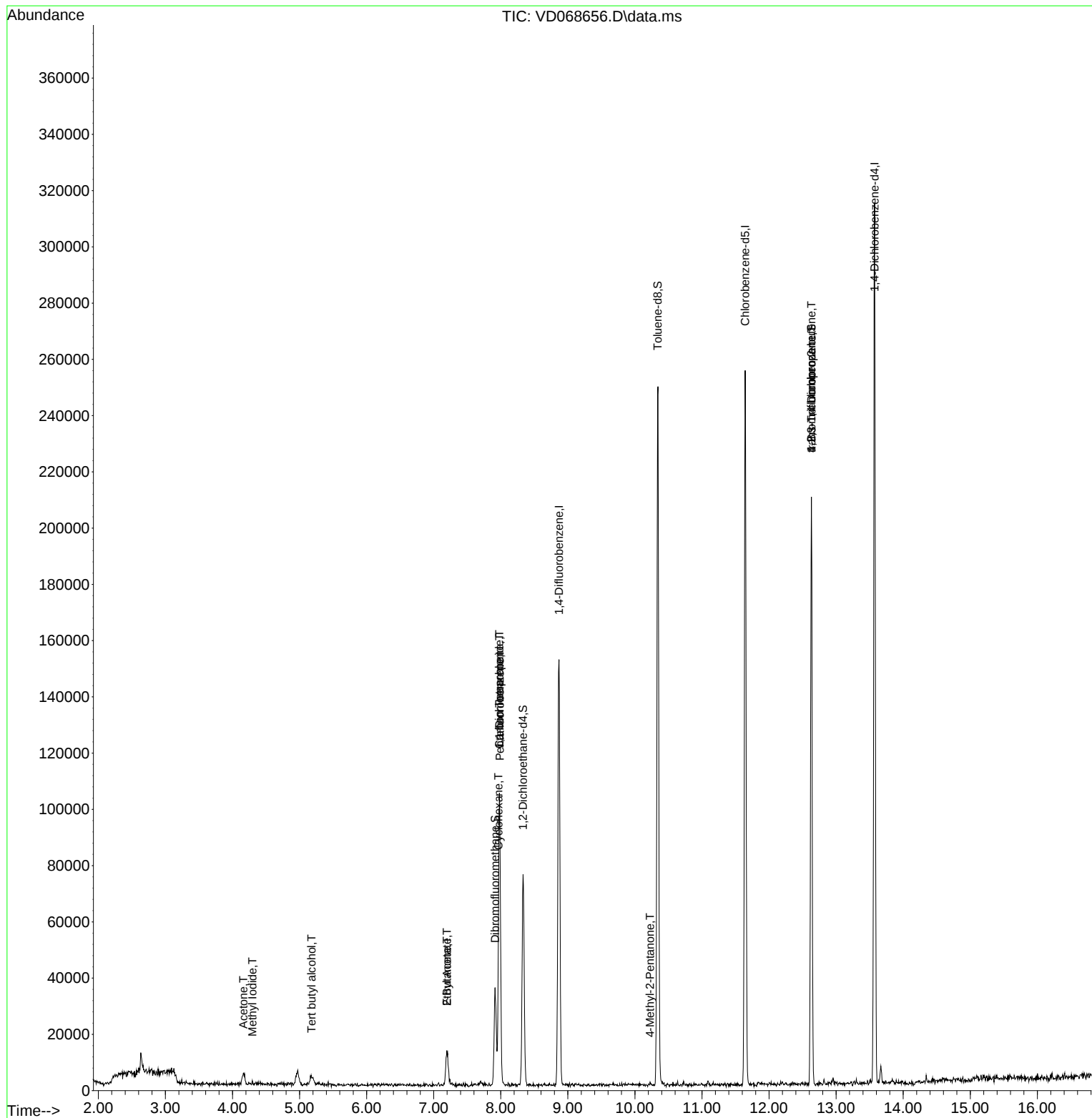
Internal Standards						
1) Pentafluorobenzene	7.985	168	77140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	143302	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	152374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	86580	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	57230	74.25	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	148.50%
35) Dibromofluoromethane	7.914	113	24572	28.46	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	56.92%
50) Toluene-d8	10.338	98	180076	52.37	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.74%
62) 4-Bromofluorobenzene	12.632	95	70484	63.61	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	127.22%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	73	2.69	ug/l #	38
11) Tert butyl alcohol	5.179	59	2367	57.52	ug/l #	74
16) Acetone	4.162	43	6577	53.72	ug/l #	88
25) 2-Butanone	7.197	43	627	3.56	ug/l #	43
31) Cyclohexane	7.967	56	1844	1.32	ug/l #	42
36) 1,1-Dichloropropene	7.979	75	6362	4.67	ug/l #	43
37) Ethyl Acetate	7.197	43	627	1.39	ug/l #	56
38) Carbon Tetrachloride	7.979	117	8253	6.45	ug/l #	15
51) 4-Methyl-2-Pentanone	10.226	43	521	1.20	ug/l #	51
76) 1,2,3-Trichloropropane	12.632	75	35113	45.68	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	35113	106.61	ug/l #	13

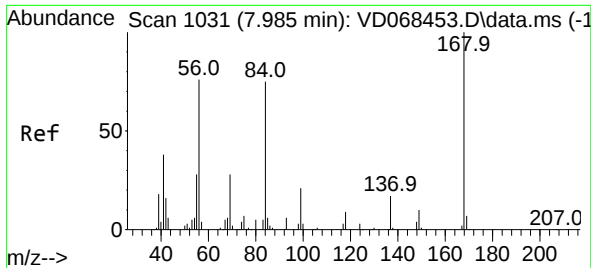
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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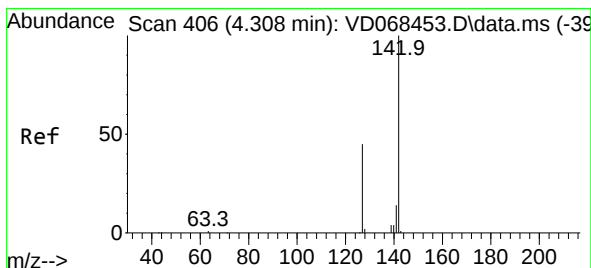
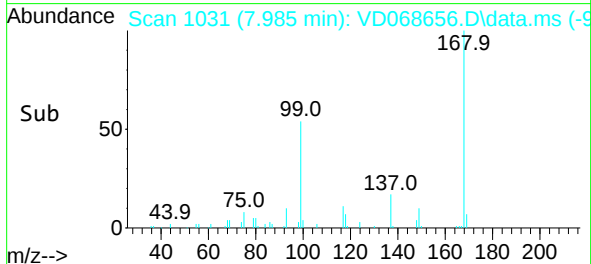
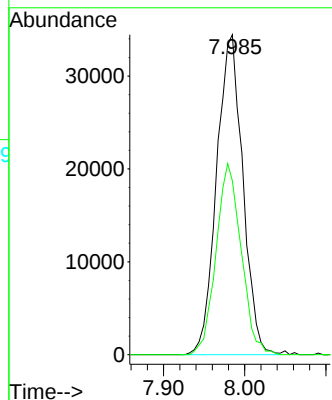
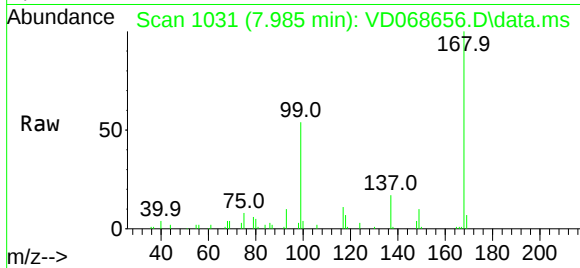




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068656.D
Acq: 18 Mar 2021 16:06

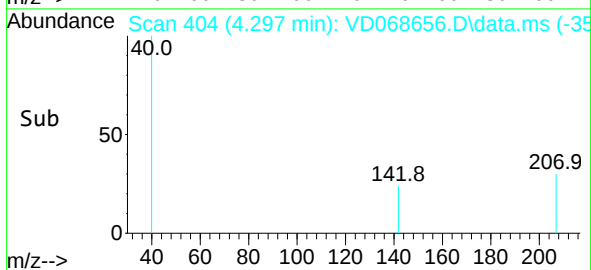
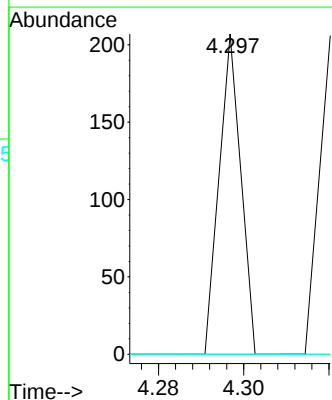
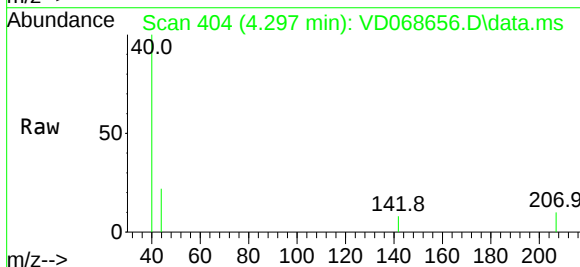
Instrument :
MSVOA_D
ClientSampled :

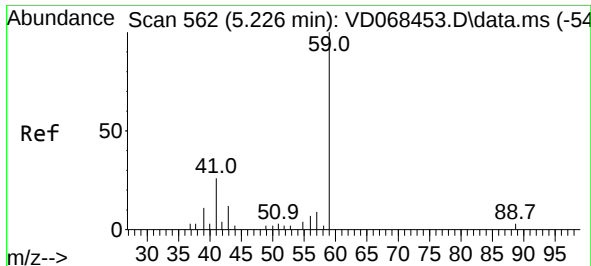
Tgt Ion:168 Resp: 77140
Ion Ratio Lower Upper
168 100
99 54.3 43.5 65.3



#10
Methyl Iodide
Concen: 2.69 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.011 min
Lab File: VD068656.D
Acq: 18 Mar 2021 16:06

Tgt Ion:142 Resp: 73
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#



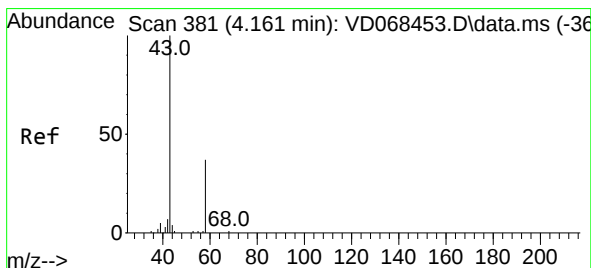
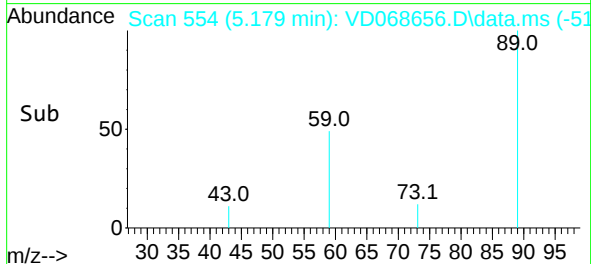
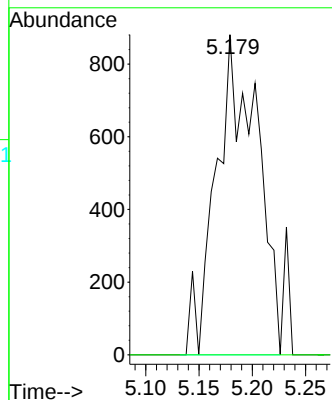
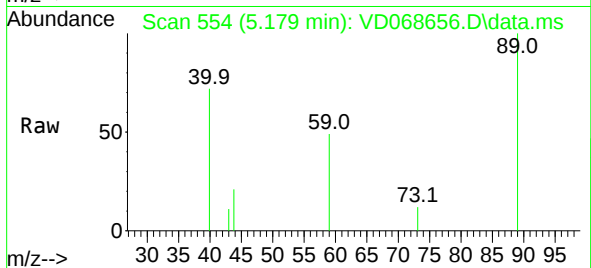


#11

Tert butyl alcohol
Concen: 57.52 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.047 min
Lab File: VD068656.D
Acq: 18 Mar 2021 16:06

Instrument :
MSVOA_D
ClientSampled :

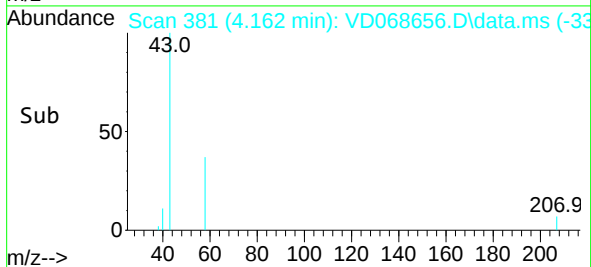
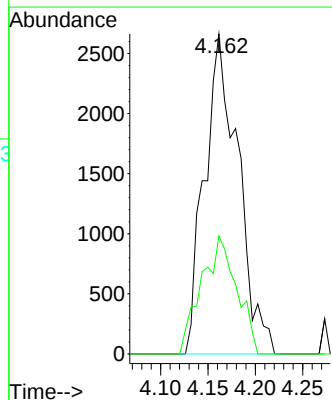
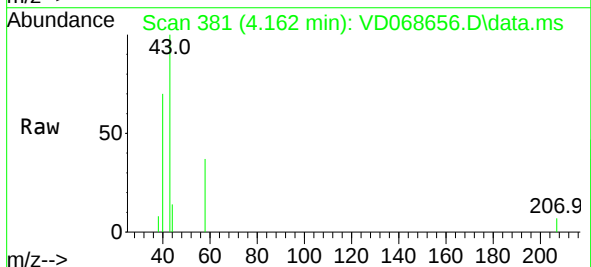
Tgt Ion: 59 Resp: 2367
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

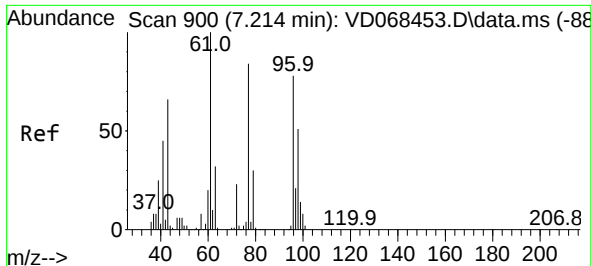


#16

Acetone
Concen: 53.72 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068656.D
Acq: 18 Mar 2021 16:06

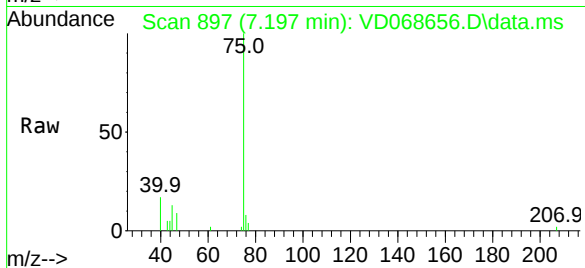
Tgt Ion: 43 Resp: 6577
Ion Ratio Lower Upper
43 100
58 36.9 24.2 36.4#



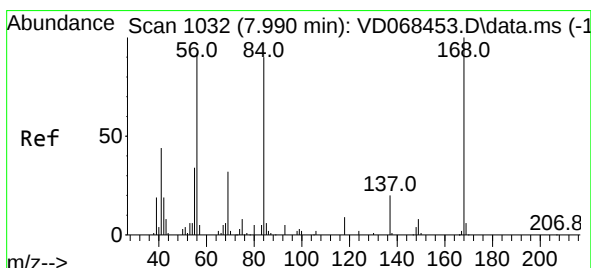
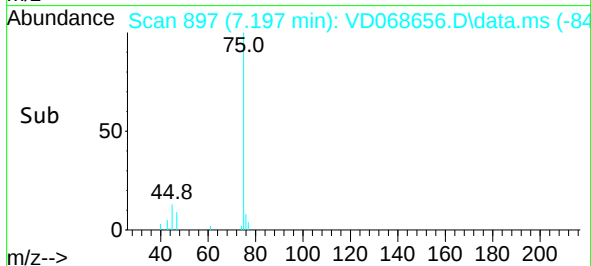
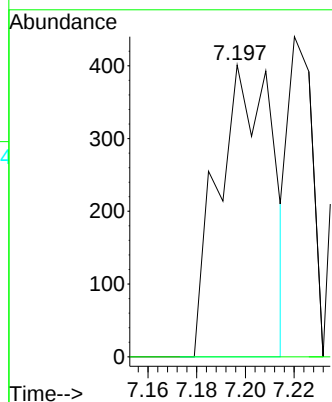


#25
2-Butanone
Concen: 3.56 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.017 min
Lab File: VD068656.D
Acq: 18 Mar 2021 16:06

Instrument :
MSVOA_D
ClientSampled :

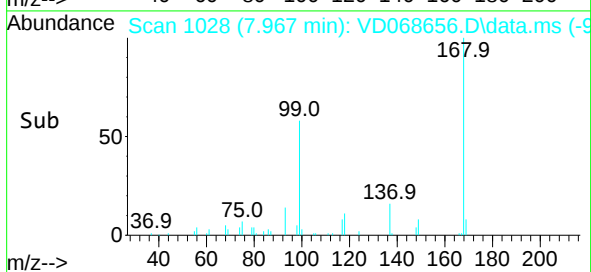
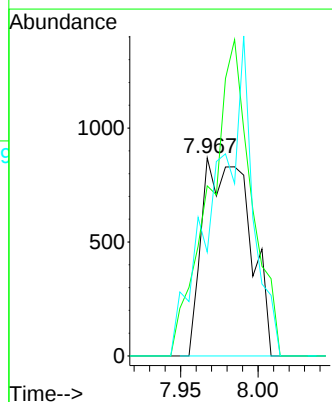
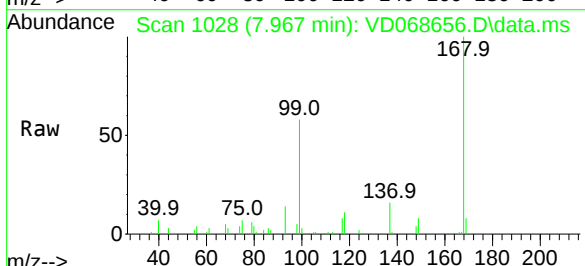


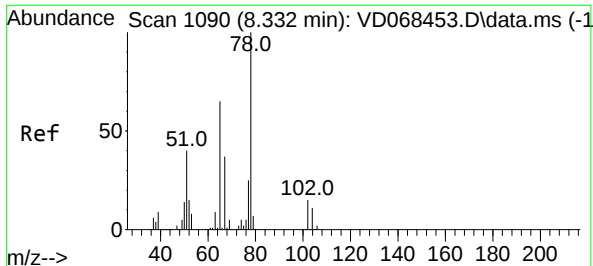
Tgt Ion: 43 Resp: 627
Ion Ratio Lower Upper
43 100
72 0.0 25.1 37.7#



#31
Cyclohexane
Concen: 1.32 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.023 min
Lab File: VD068656.D
Acq: 18 Mar 2021 16:06

Tgt Ion: 56 Resp: 1844
Ion Ratio Lower Upper
56 100
69 85.8 30.1 45.1#
84 52.5 82.1 123.1#

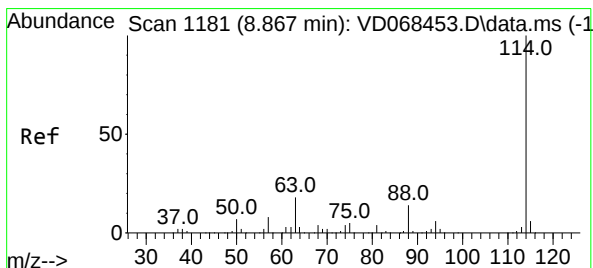
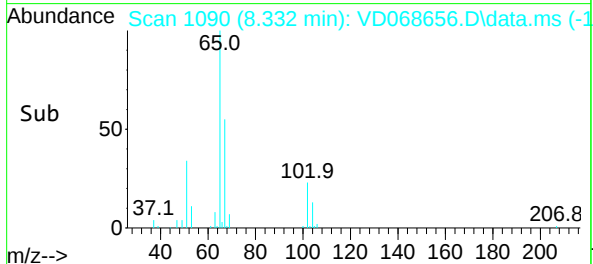
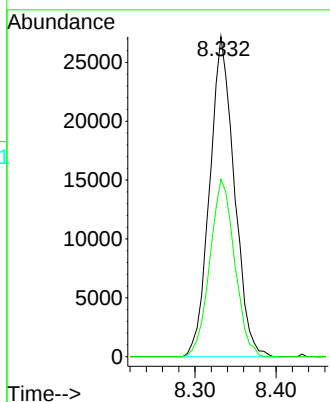
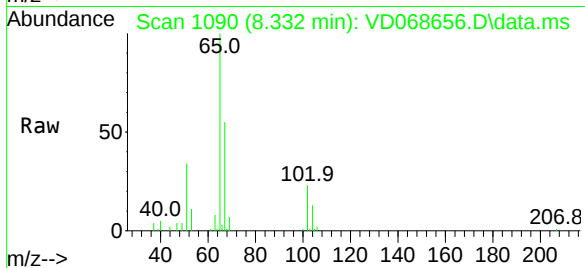




#33
1,2-Dichloroethane-d4
Concen: 74.25 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068656.D
Acq: 18 Mar 2021 16:06

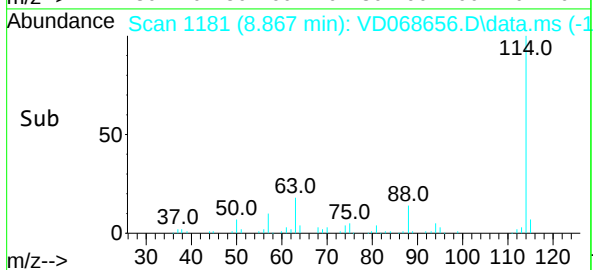
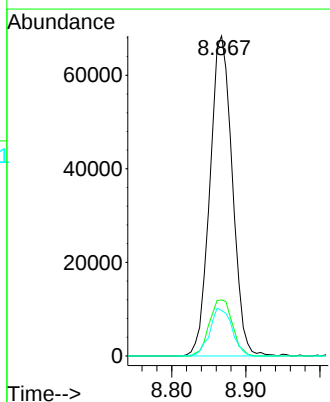
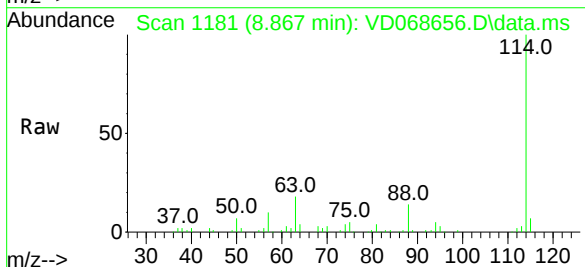
Instrument :
MSVOA_D
ClientSampleId :

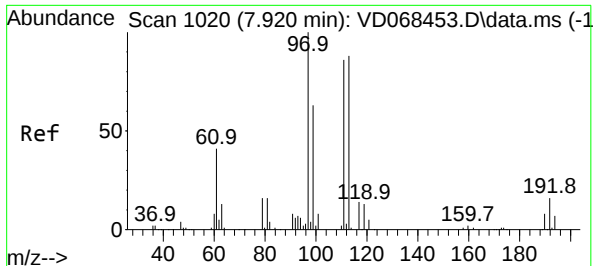
Tgt Ion: 65 Resp: 57230
Ion Ratio Lower Upper
65 100
67 55.7 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068656.D
Acq: 18 Mar 2021 16:06

Tgt Ion: 114 Resp: 143302
Ion Ratio Lower Upper
114 100
63 17.5 0.0 34.8
88 14.2 0.0 31.6

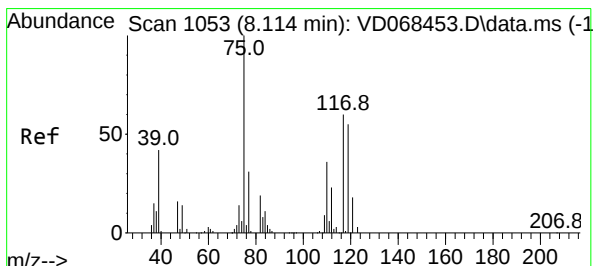
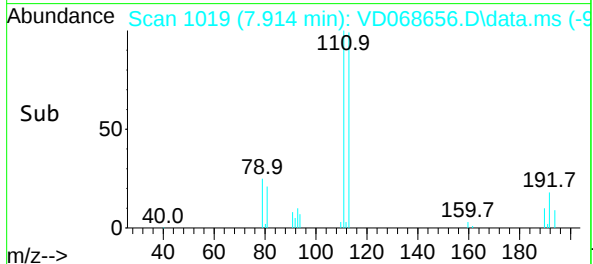
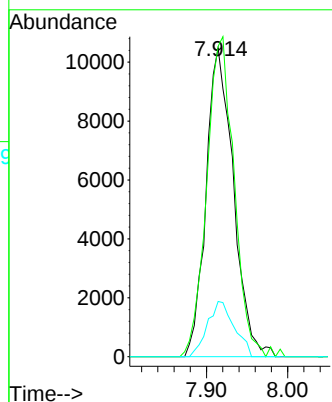
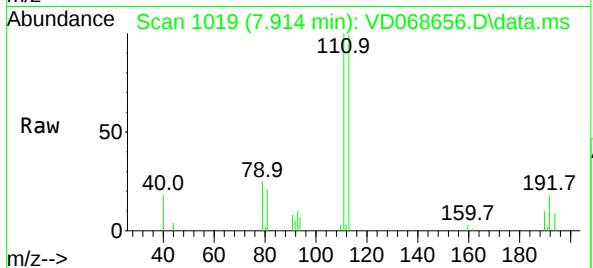




#35
Dibromofluoromethane
Concen: 28.46 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD068656.D
Acq: 18 Mar 2021 16:06

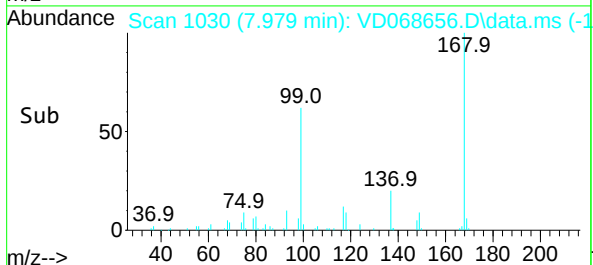
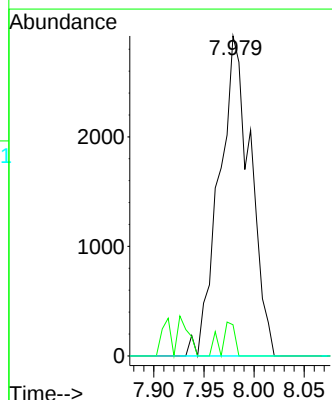
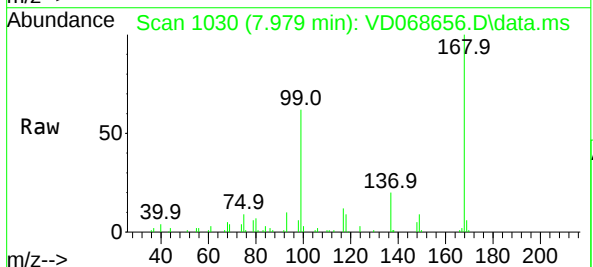
Instrument :
MSVOA_D
ClientSampleId :

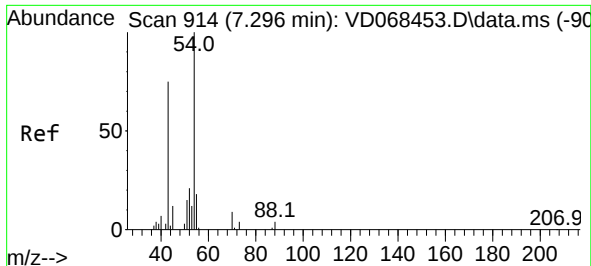
Tgt Ion:113 Resp: 24572
Ion Ratio Lower Upper
113 100
111 103.1 81.4 122.0
192 17.5 16.1 24.1



#36
1,1-Dichloropropene
Concen: 4.67 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068656.D
Acq: 18 Mar 2021 16:06

Tgt Ion: 75 Resp: 6362
Ion Ratio Lower Upper
75 100
110 4.5 19.4 58.2#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 1.39 ug/l

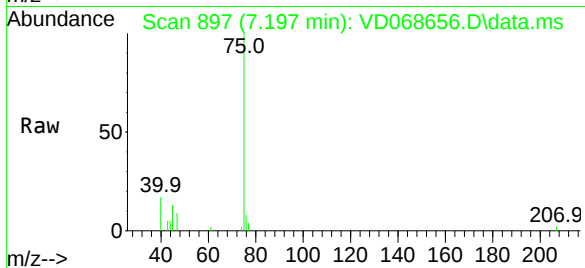
RT: 7.197 min Scan# 897

Delta R.T. -0.100 min

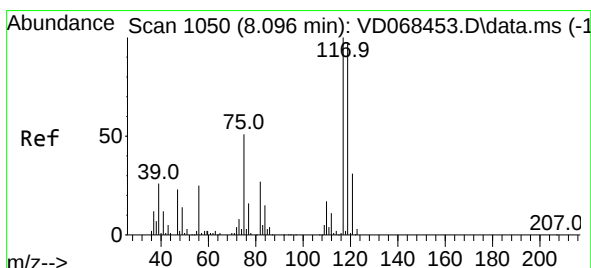
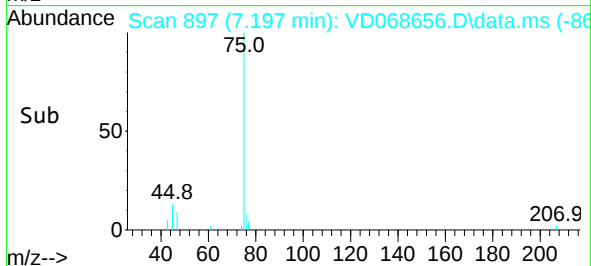
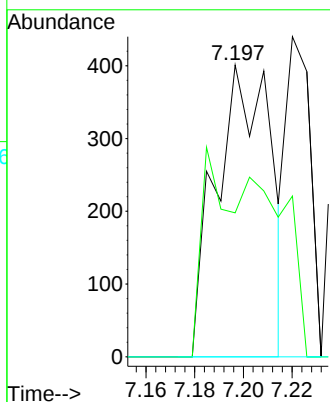
Lab File: VD068656.D

Acq: 18 Mar 2021 16:06

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion:	43	Resp:	627
Ion	Ratio	Lower	Upper
43	100		
61	38.8	12.9	19.3#
70	0.0	11.0	16.6#



#38

Carbon Tetrachloride

Concen: 6.45 ug/l

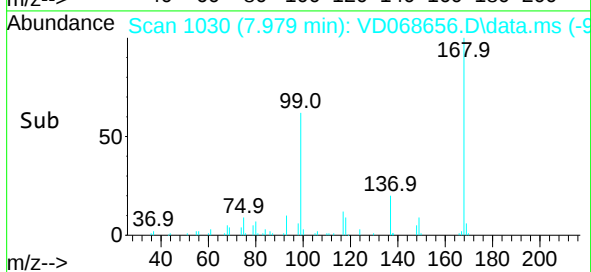
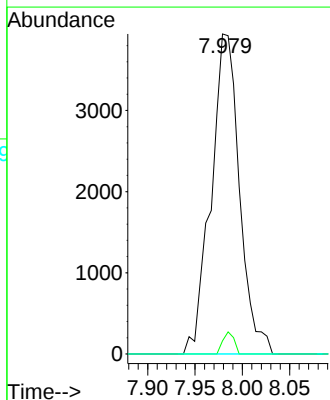
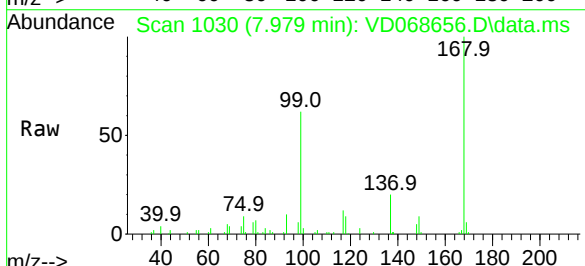
RT: 7.979 min Scan# 1030

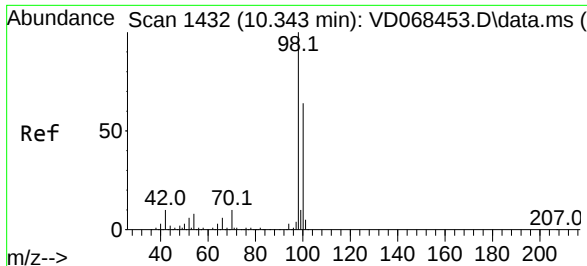
Delta R.T. -0.117 min

Lab File: VD068656.D

Acq: 18 Mar 2021 16:06

Tgt Ion:	117	Resp:	8253
Ion	Ratio	Lower	Upper
117	100		
119	4.1	77.3	115.9#
121	0.0	24.7	37.1#

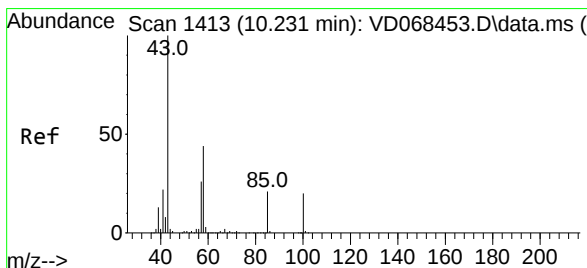
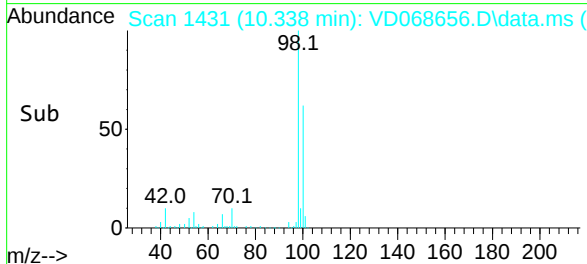
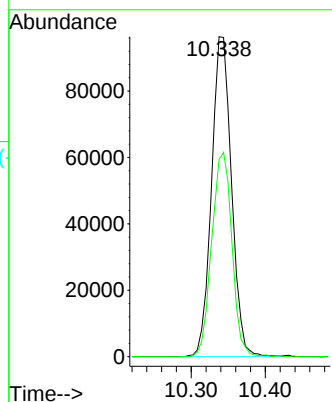
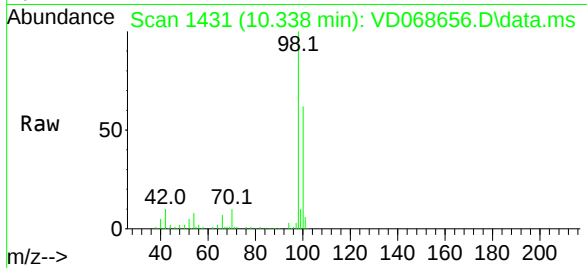




#50
Toluene-d8
Concen: 52.37 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068656.D
Acq: 18 Mar 2021 16:06

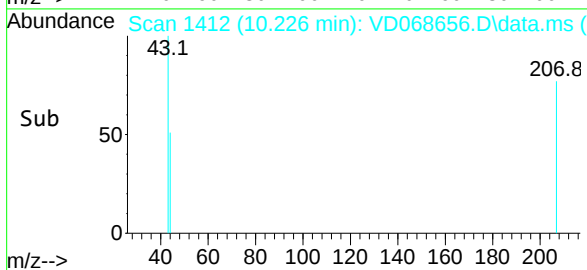
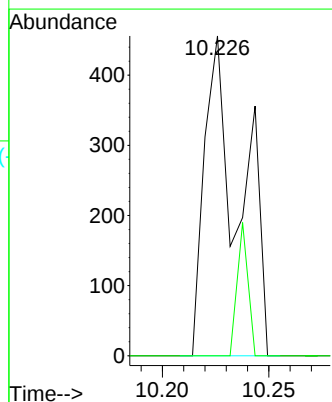
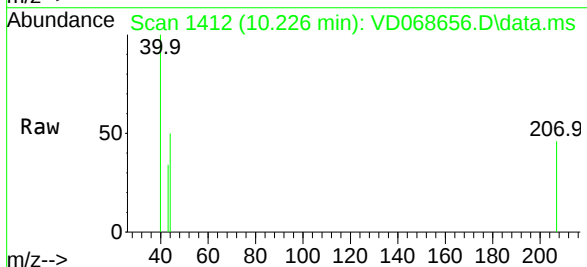
Instrument :
MSVOA_D
ClientSampled :

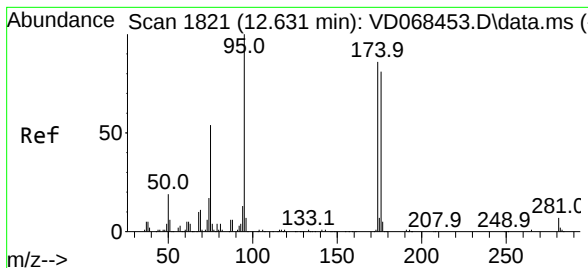
Tgt Ion: 98 Resp: 180076
Ion Ratio Lower Upper
98 100
100 64.7 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.20 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD068656.D
Acq: 18 Mar 2021 16:06

Tgt Ion: 43 Resp: 521
Ion Ratio Lower Upper
43 100
58 12.9 36.1 54.1#

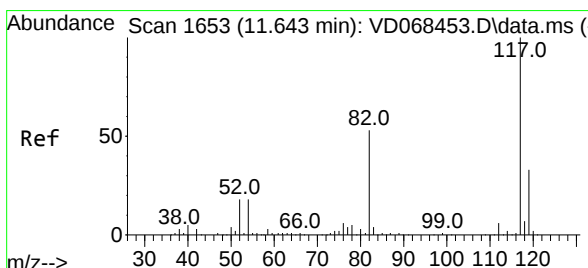
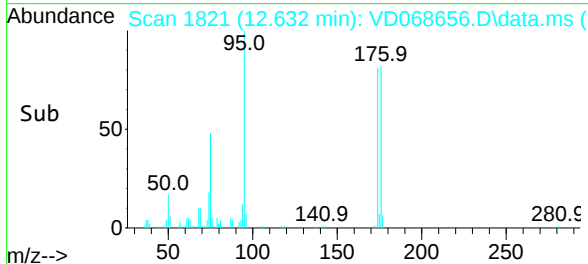
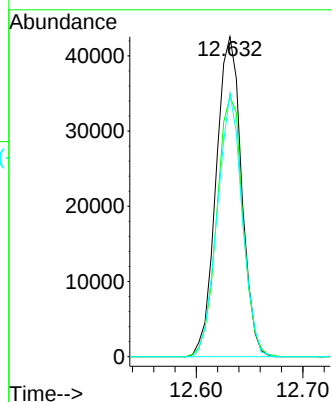
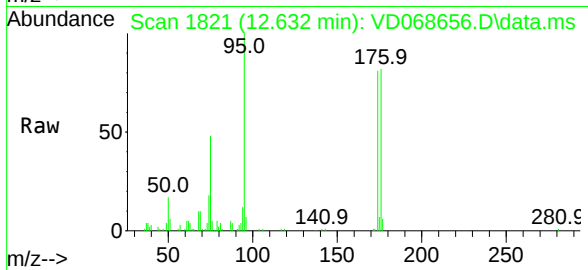




#62
4-Bromofluorobenzene
Concen: 63.61 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068656.D
Acq: 18 Mar 2021 16:06

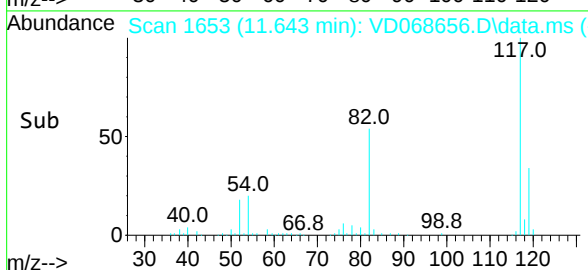
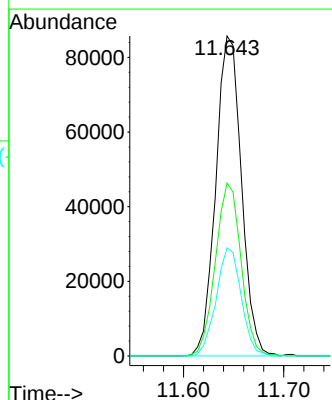
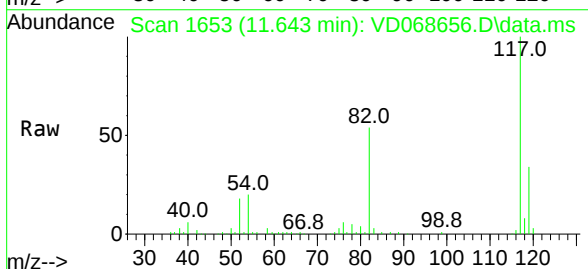
Instrument :
MSVOA_D
ClientSampleId :

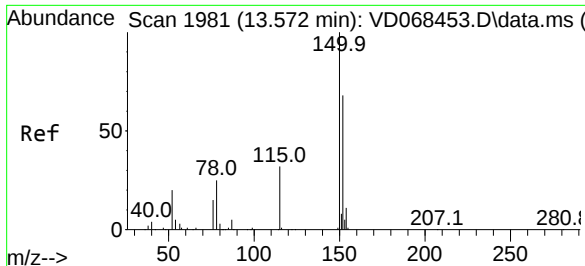
Tgt Ion: 95 Resp: 70484
Ion Ratio Lower Upper
95 100
174 82.9 0.0 172.4
176 80.3 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068656.D
Acq: 18 Mar 2021 16:06

Tgt Ion: 117 Resp: 152374
Ion Ratio Lower Upper
117 100
82 54.0 41.4 62.0
119 33.8 26.1 39.1

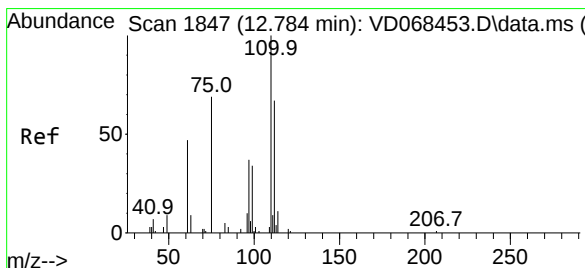
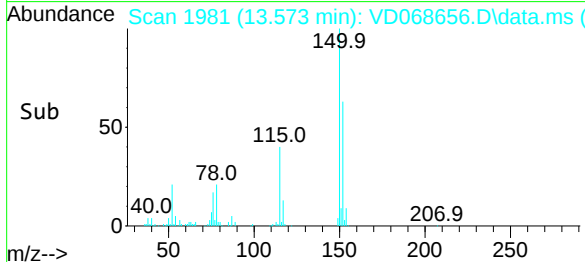
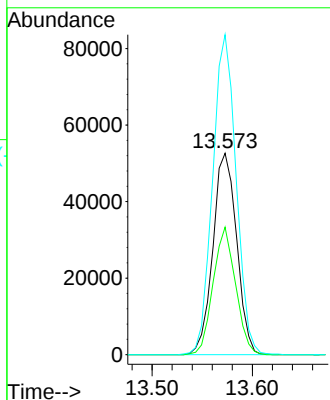
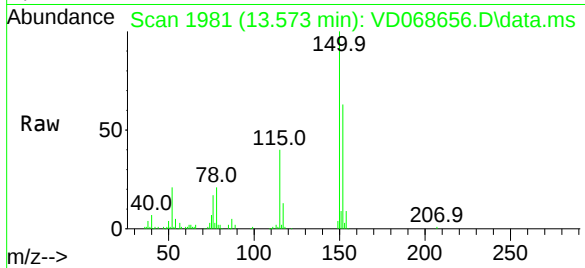




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. 0.001 min
 Lab File: VD068656.D
 Acq: 18 Mar 2021 16:06

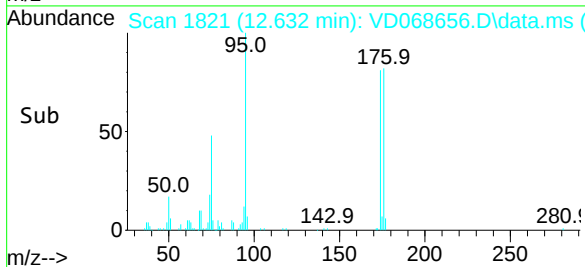
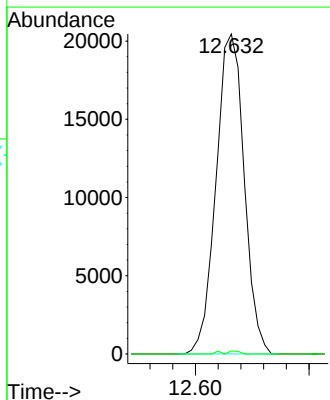
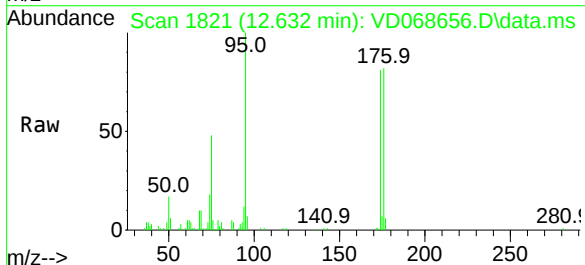
Instrument :
 MSVOA_D
 ClientSampled :

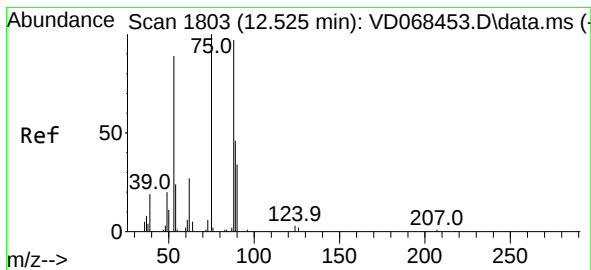
Tgt Ion:152 Resp: 86580
 Ion Ratio Lower Upper
 152 100
 115 59.8 28.9 86.8
 150 157.4 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 45.68 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. -0.152 min
 Lab File: VD068656.D
 Acq: 18 Mar 2021 16:06

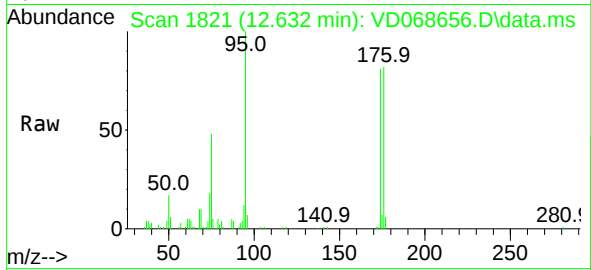
Tgt Ion: 75 Resp: 35113
 Ion Ratio Lower Upper
 75 100
 77 0.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.61 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068656.D
 Acq: 18 Mar 2021 16:06

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 35113
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.2 105.2#
 89 0.0 40.3 60.5#

