

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042321\
 Data File : VD068969.D
 Acq On : 23 Apr 2021 16:01
 Operator : VA/SY
 Sample : M2107-11RE
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 26 09:50:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

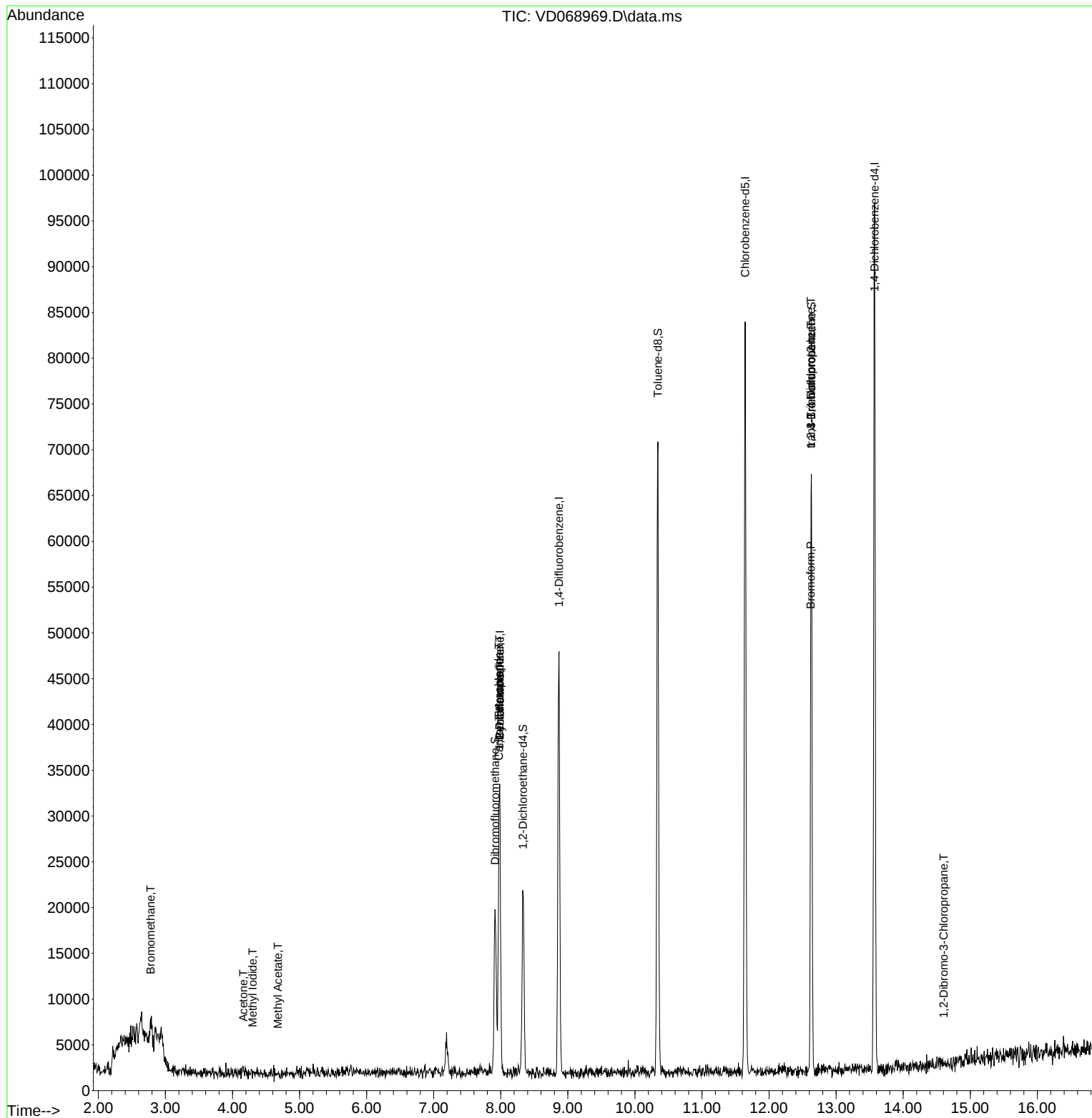
Internal Standards						
1) Pentafluorobenzene	7.985	168	25990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	42003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	50686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	26367	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	15365	55.94	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.88%
35) Dibromofluoromethane	7.914	113	11965	43.80	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.60%
50) Toluene-d8	10.344	98	49715	48.24	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.48%
62) 4-Bromofluorobenzene	12.632	95	21130	61.73	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	123.46%
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	1118	3.93	ug/l	92
10) Methyl Iodide	4.303	142	177	2.78	ug/l #	41
16) Acetone	4.162	43	1201	31.57	ug/l #	63
18) Methyl Acetate	4.679	43	139	1.33	ug/l #	43
20) Methylene Chloride	4.967	84	135	Below Cal	#	12
31) Cyclohexane	7.985	56	459	1.00	ug/l #	71
36) 1,1-Dichloropropene	7.979	75	1654	3.89	ug/l #	41
38) Carbon Tetrachloride	7.973	117	2483	5.90	ug/l #	12
71) Bromoform	12.620	173	230	1.09	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	10938	45.41	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	10938	105.38	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.602	75	58	1.06	ug/l #	1

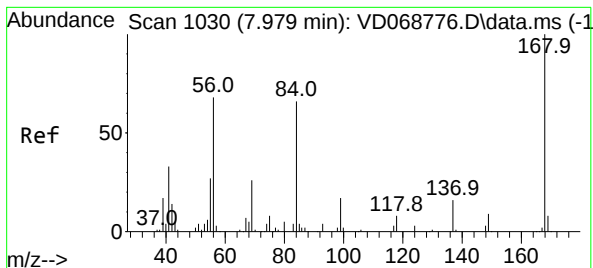
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
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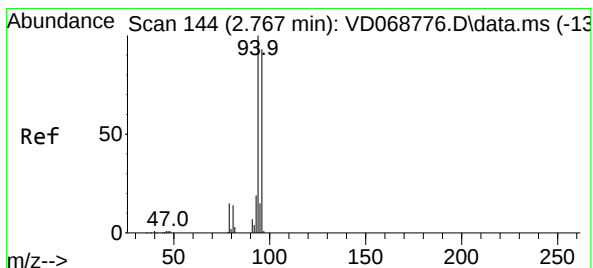
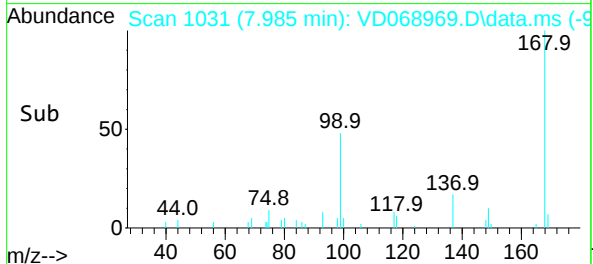
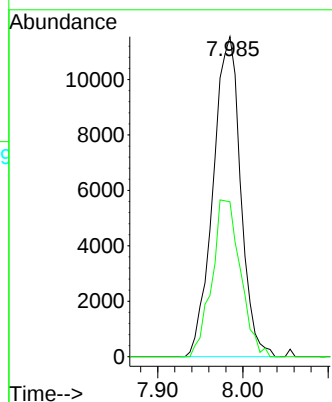
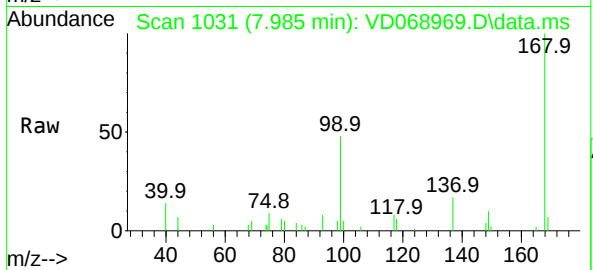




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068969.D
Acq: 23 Apr 2021 16:01

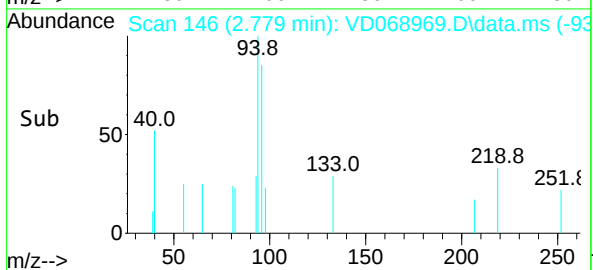
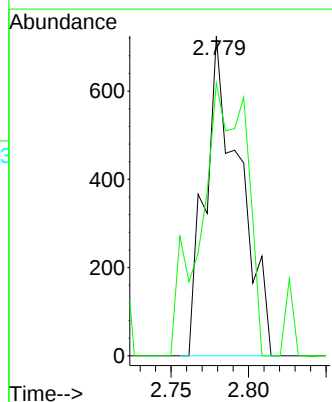
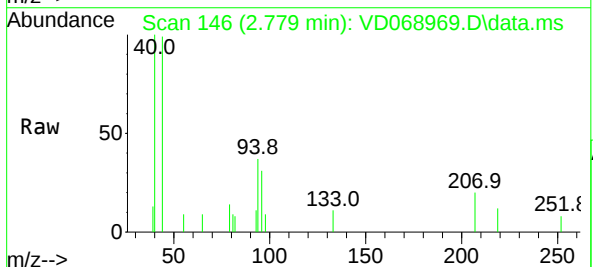
Instrument :
MSVOA_D
ClientSampled :

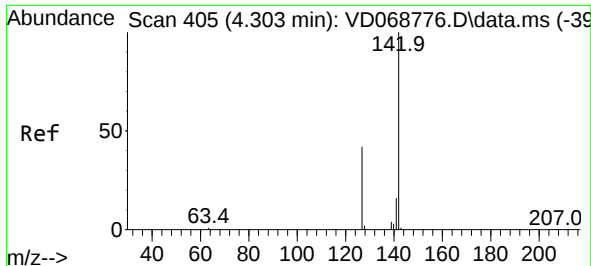
Tgt Ion:168 Resp: 25990
Ion Ratio Lower Upper
168 100
99 48.4 46.2 69.2



#5
Bromomethane
Concen: 3.93 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.012 min
Lab File: VD068969.D
Acq: 23 Apr 2021 16:01

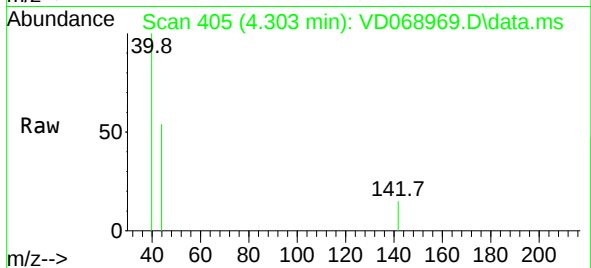
Tgt Ion: 94 Resp: 1118
Ion Ratio Lower Upper
94 100
96 85.2 74.7 112.1



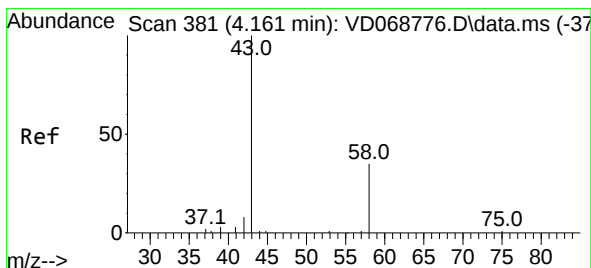
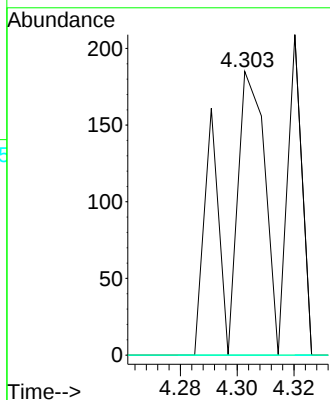
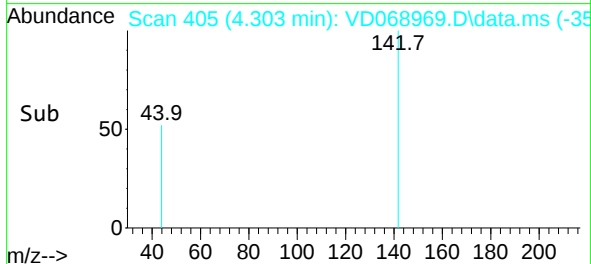


#10
Methyl Iodide
Concen: 2.78 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD068969.D
Acq: 23 Apr 2021 16:01

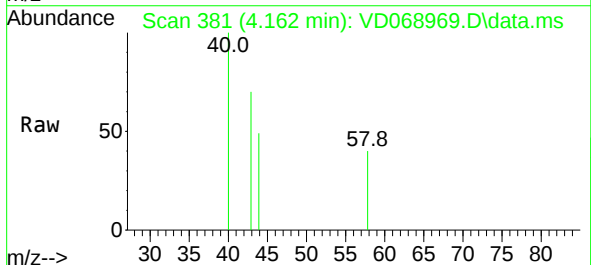
Instrument :
MSVOA_D
ClientSampled :



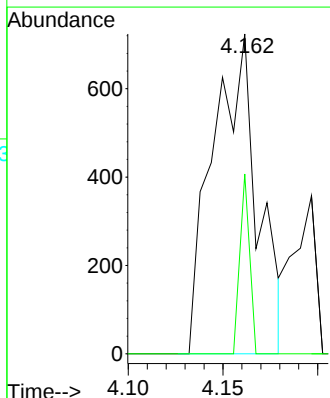
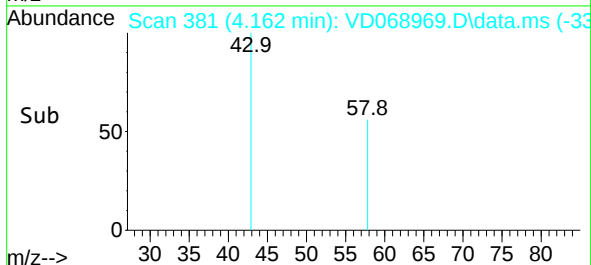
Tgt Ion:142 Resp: 177
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.0 16.4#

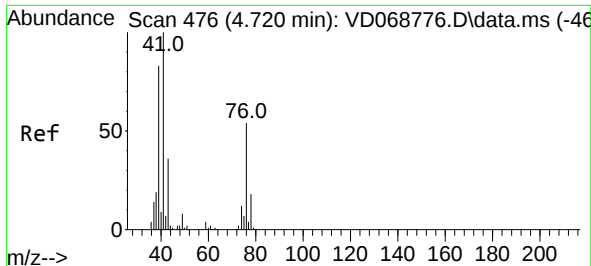


#16
Acetone
Concen: 31.57 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.001 min
Lab File: VD068969.D
Acq: 23 Apr 2021 16:01



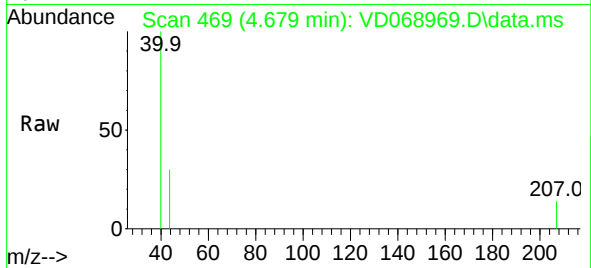
Tgt Ion: 43 Resp: 1201
Ion Ratio Lower Upper
43 100
58 56.2 28.0 42.0#



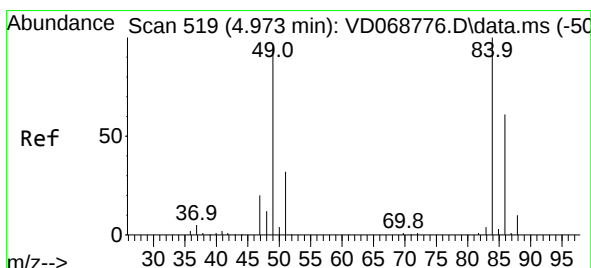
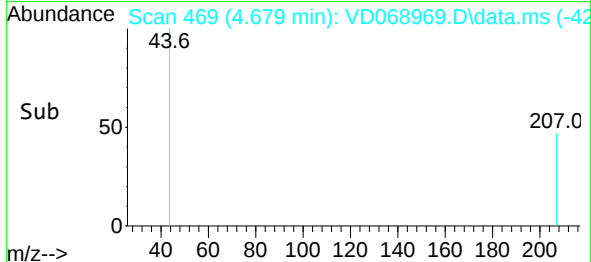
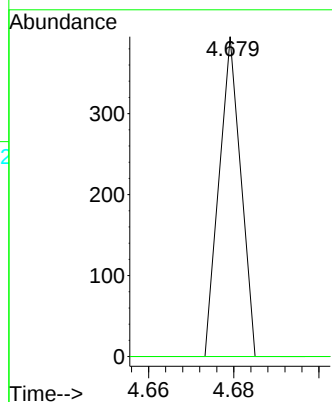


#18
Methyl Acetate
Concen: 1.33 ug/l
RT: 4.679 min Scan# 469
Delta R.T. -0.041 min
Lab File: VD068969.D
Acq: 23 Apr 2021 16:01

Instrument :
MSVOA_D
ClientSampled :

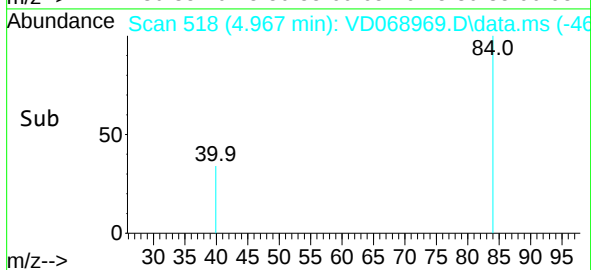
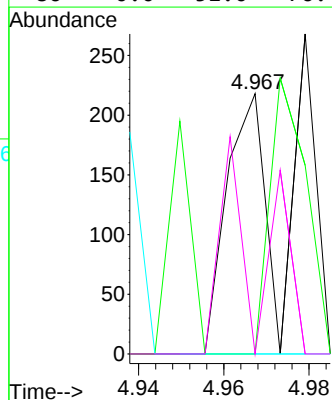
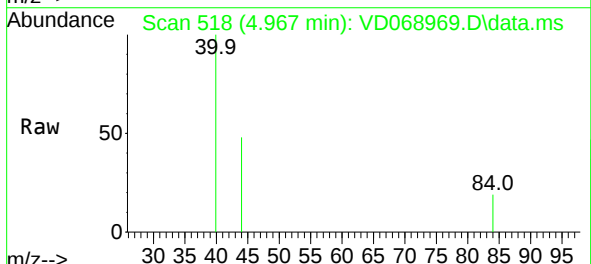


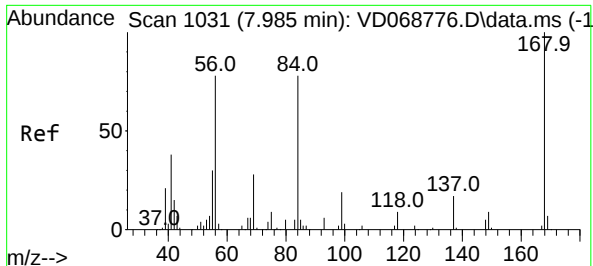
Tgt Ion: 43 Resp: 139
Ion Ratio Lower Upper
43 100
74 0.0 25.4 38.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD068969.D
Acq: 23 Apr 2021 16:01

Tgt Ion: 84 Resp: 135
Ion Ratio Lower Upper
84 100
49 0.0 83.4 125.0#
51 0.0 23.4 35.2#
86 0.0 51.0 76.4#

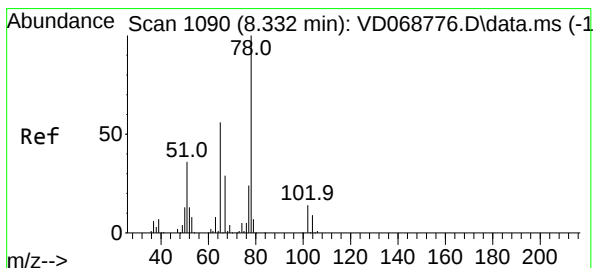
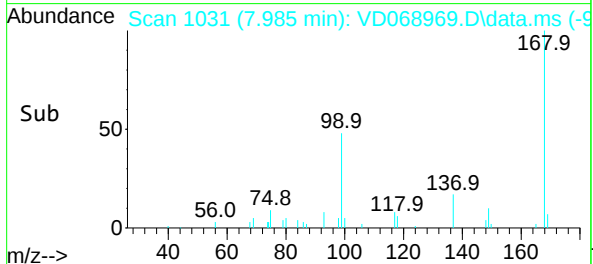
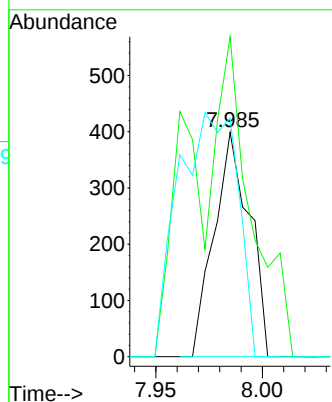
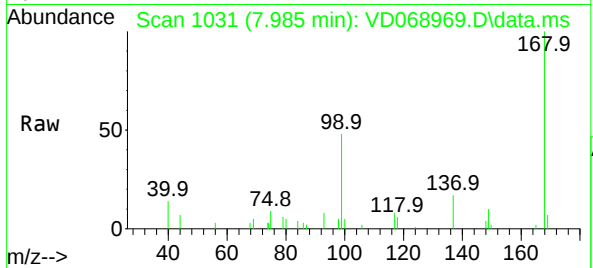




#31
Cyclohexane
Concen: 1.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068969.D
Acq: 23 Apr 2021 16:01

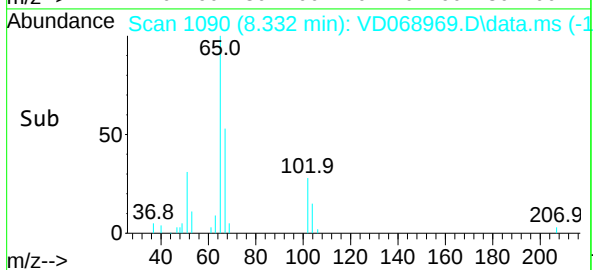
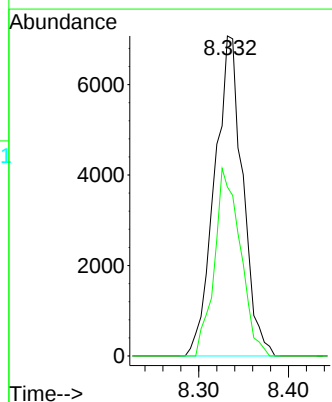
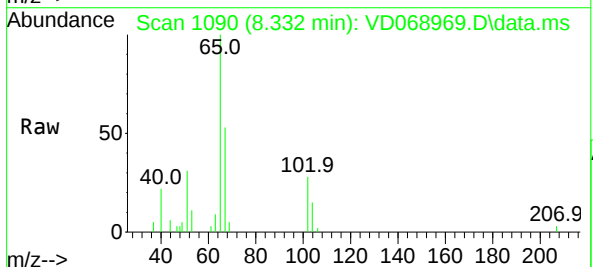
Instrument :
MSVOA_D
ClientSampleId :

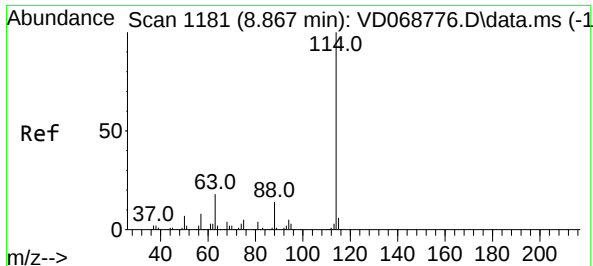
Tgt Ion: 56 Resp: 459
Ion Ratio Lower Upper
56 100
69 96.5 30.0 45.0#
84 106.3 82.0 123.0



#33
1,2-Dichloroethane-d4
Concen: 55.94 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068969.D
Acq: 23 Apr 2021 16:01

Tgt Ion: 65 Resp: 15365
Ion Ratio Lower Upper
65 100
67 54.1 0.0 106.0



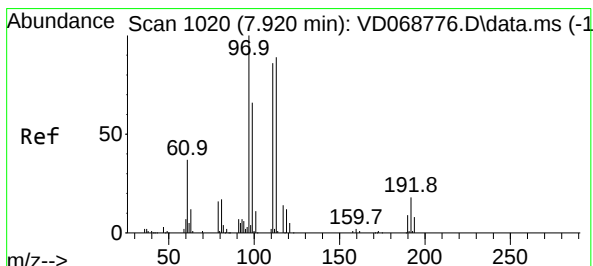
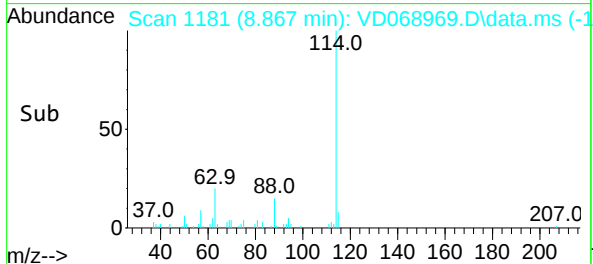
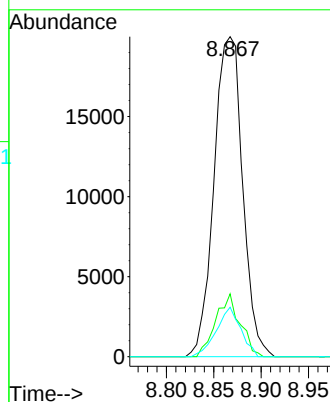
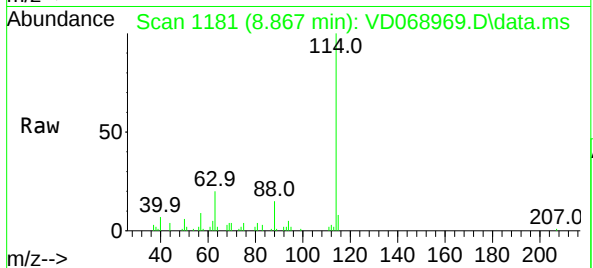


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068969.D
Acq: 23 Apr 2021 16:01

Instrument :
MSVOA_D
ClientSampleId :

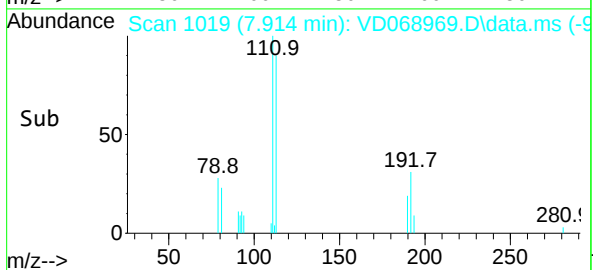
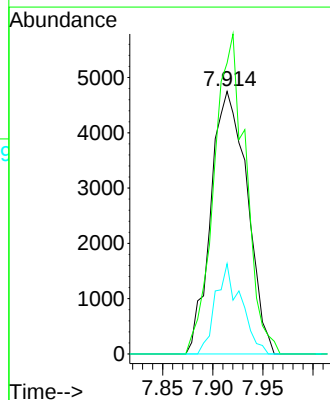
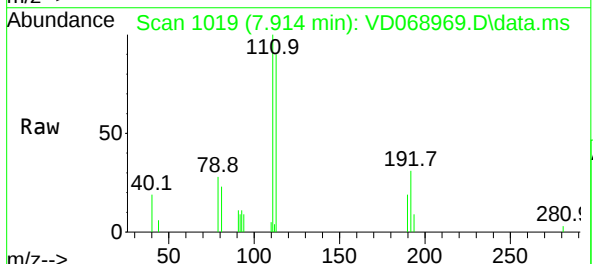
Tgt Ion:	114	Resp:	42003
Ion Ratio	Lower	Upper	
114	100		
63	19.7	0.0	38.2
88	15.5	0.0	29.4

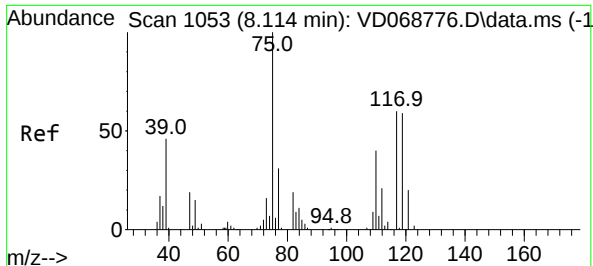


#35

Dibromofluoromethane
Concen: 43.80 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD068969.D
Acq: 23 Apr 2021 16:01

Tgt Ion:	113	Resp:	11965
Ion Ratio	Lower	Upper	
113	100		
111	106.5	82.5	123.7
192	24.1	15.1	22.7#



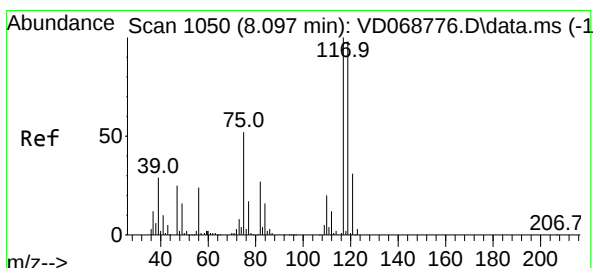
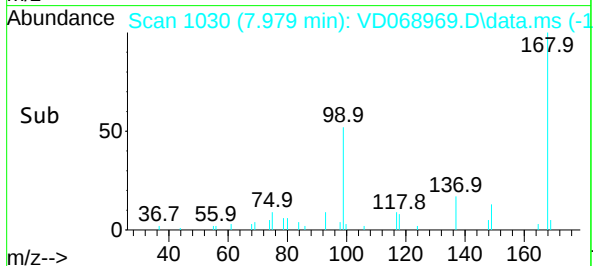
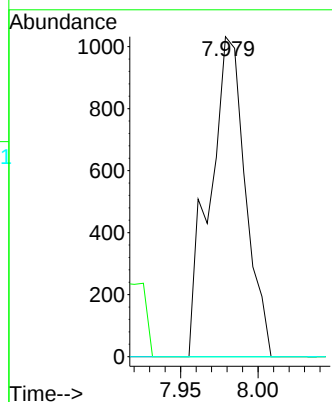
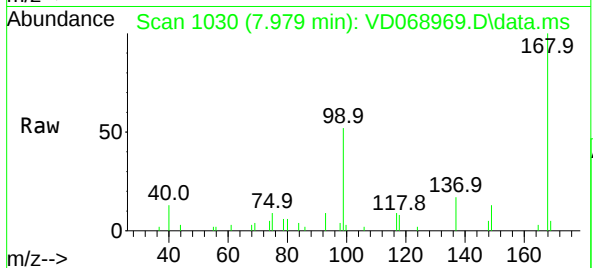


#36

1,1-Dichloropropene
Concen: 3.89 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068969.D
Acq: 23 Apr 2021 16:01

Instrument :
MSVOA_D
ClientSampled :

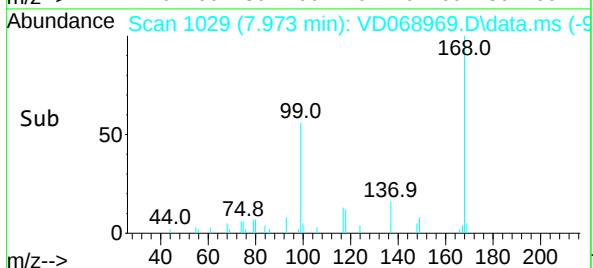
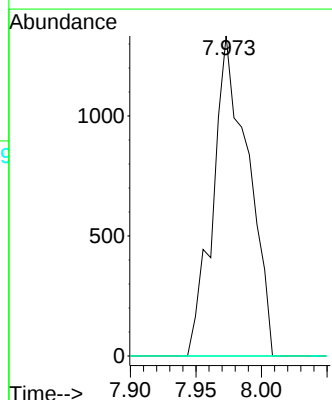
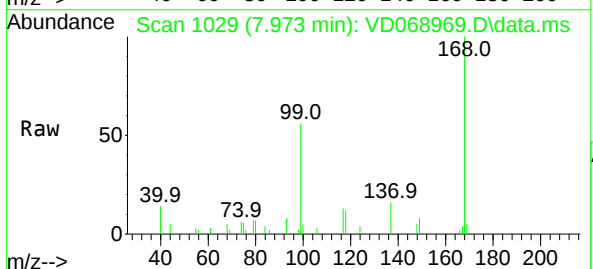
Tgt Ion: 75 Resp: 1654
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.4#
77 0.0 24.7 37.1#

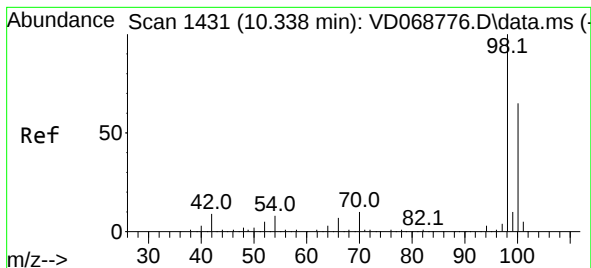


#38

Carbon Tetrachloride
Concen: 5.90 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD068969.D
Acq: 23 Apr 2021 16:01

Tgt Ion: 117 Resp: 2483
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 26.1 39.1#

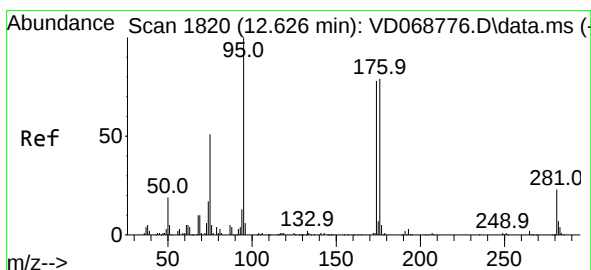
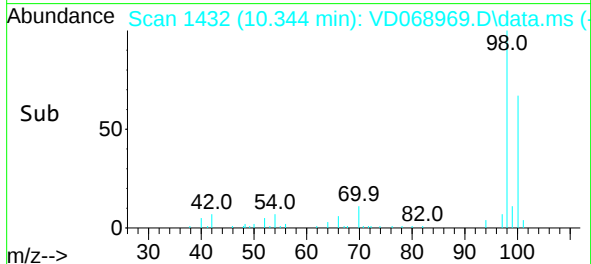
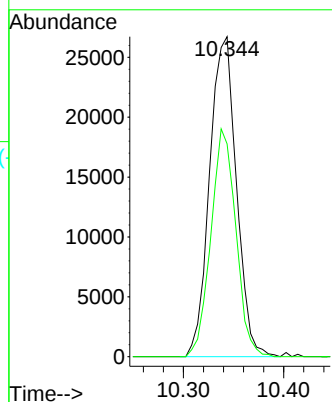
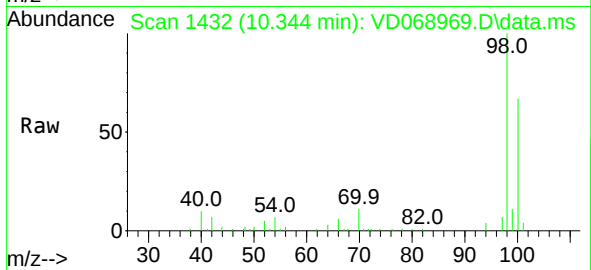




#50
Toluene-d8
Concen: 48.24 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VD068969.D
Acq: 23 Apr 2021 16:01

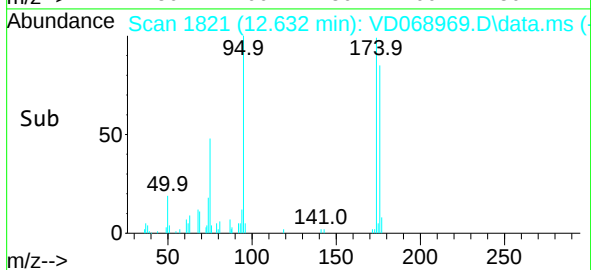
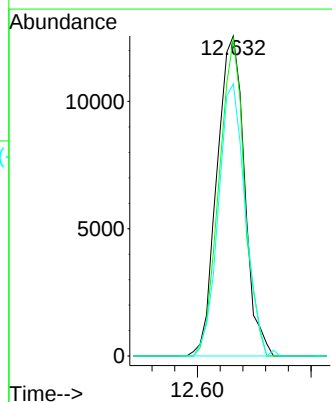
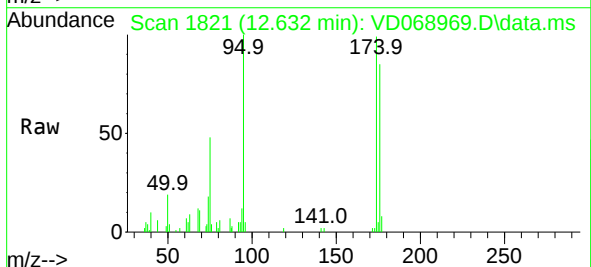
Instrument :
MSVOA_D
ClientSampled :

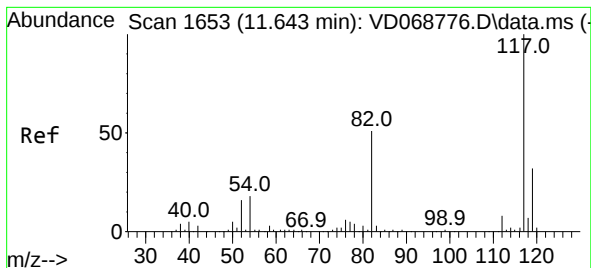
Tgt Ion: 98 Resp: 49715
Ion Ratio Lower Upper
98 100
100 66.3 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 61.73 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068969.D
Acq: 23 Apr 2021 16:01

Tgt Ion: 95 Resp: 21130
Ion Ratio Lower Upper
95 100
174 91.4 0.0 168.0
176 83.1 0.0 160.2

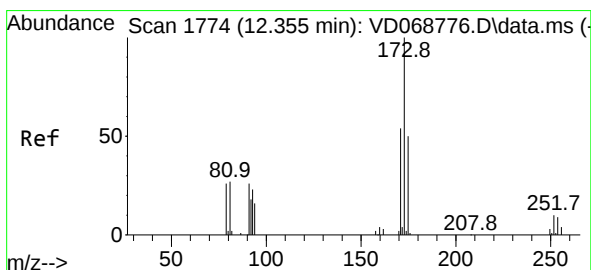
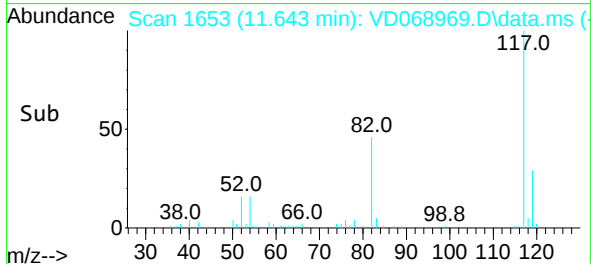
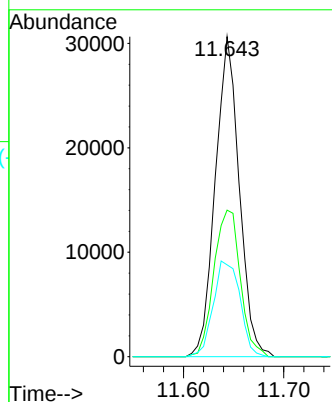
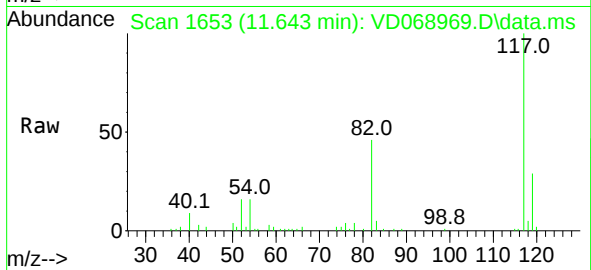




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068969.D
Acq: 23 Apr 2021 16:01

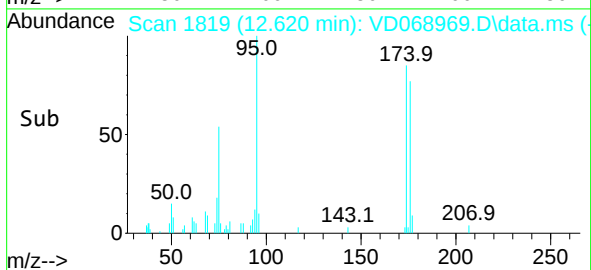
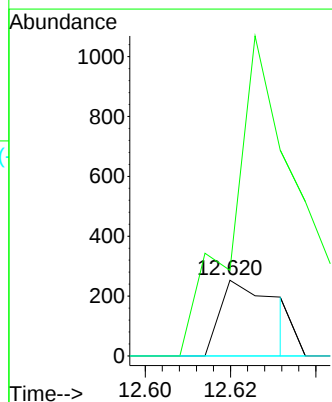
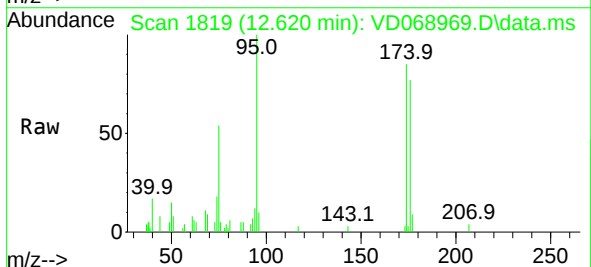
Instrument :
MSVOA_D
ClientSampleId :

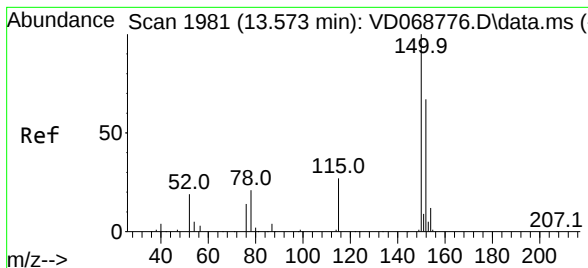
Tgt Ion:117 Resp: 50686
Ion Ratio Lower Upper
117 100
82 45.8 43.5 65.3
119 28.7 26.7 40.1



#71
Bromoform
Concen: 1.09 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD068969.D
Acq: 23 Apr 2021 16:01

Tgt Ion:173 Resp: 230
Ion Ratio Lower Upper
173 100
175 366.1 23.6 71.0#
254 0.0 0.0 0.0

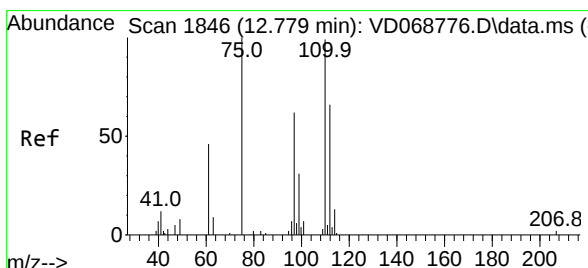
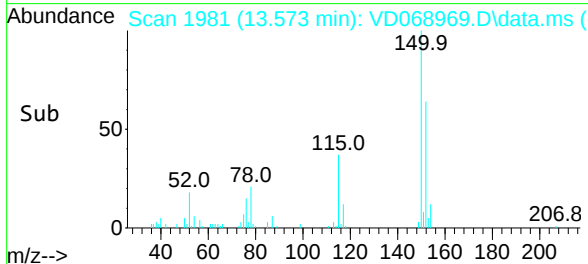
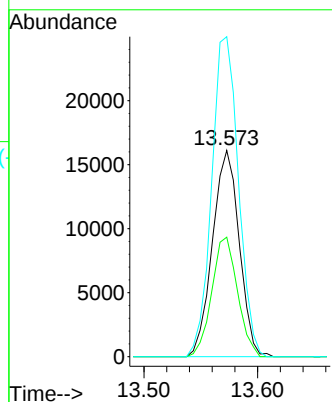
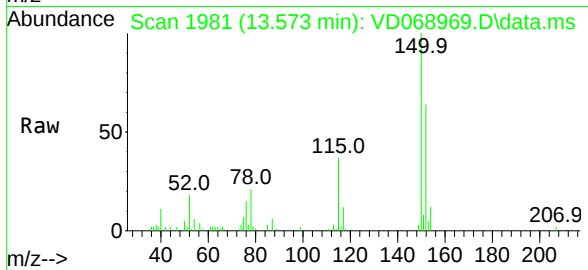




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068969.D
Acq: 23 Apr 2021 16:01

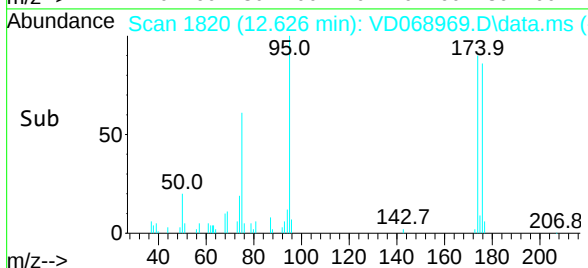
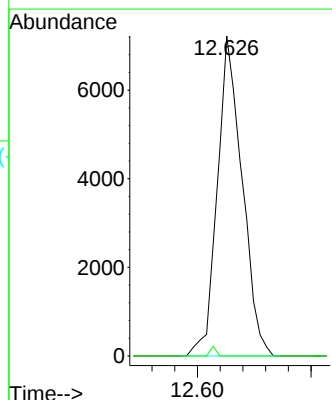
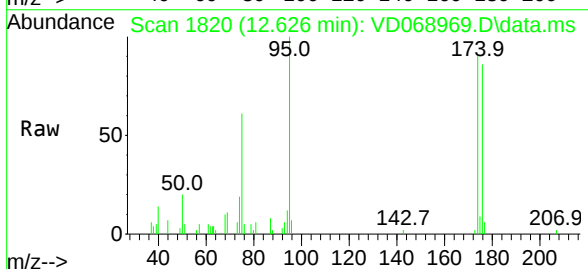
Instrument :
MSVOA_D
ClientSampled :

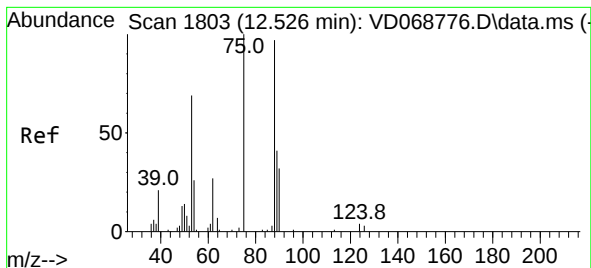
Tgt Ion:152 Resp: 26367
Ion Ratio Lower Upper
152 100
115 55.7 29.3 87.8
150 154.9 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 45.41 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD068969.D
Acq: 23 Apr 2021 16:01

Tgt Ion: 75 Resp: 10938
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#

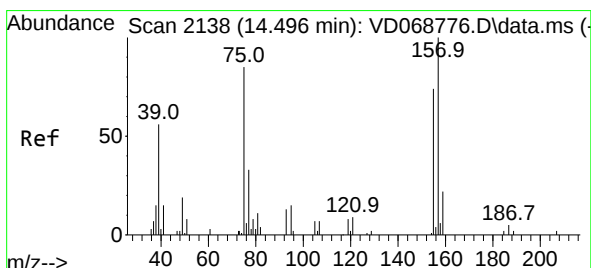
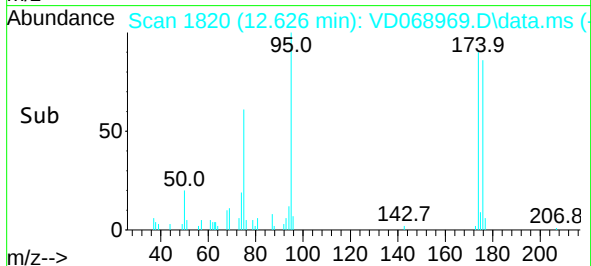
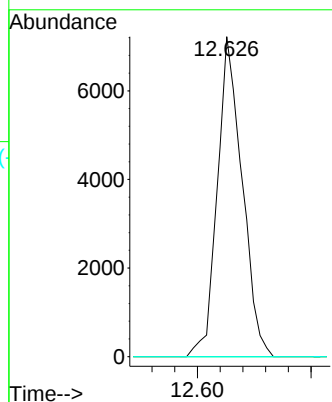
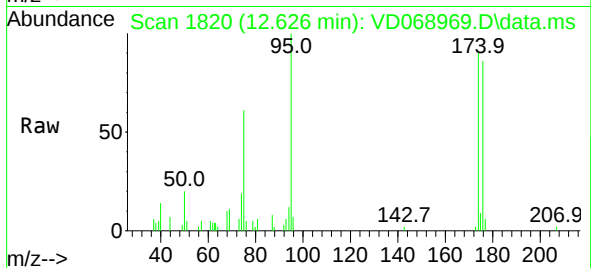




#81
trans-1,4-Dichloro-2-butene
Concen: 105.38 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD068969.D
Acq: 23 Apr 2021 16:01

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 10938
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 36.6 54.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.06 ug/l
RT: 14.602 min Scan# 2156
Delta R.T. 0.106 min
Lab File: VD068969.D
Acq: 23 Apr 2021 16:01

Tgt Ion: 75 Resp: 58
Ion Ratio Lower Upper
75 100
155 0.0 46.8 140.3#
157 0.0 59.8 179.3#

