

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050621\
 Data File : VD069092.D
 Acq On : 06 May 2021 23:19
 Operator : VA/SY
 Sample : M2279-08
 Misc : 5.95G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 07 01:15:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 04:16:41 2021
 Response via : Initial Calibration

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

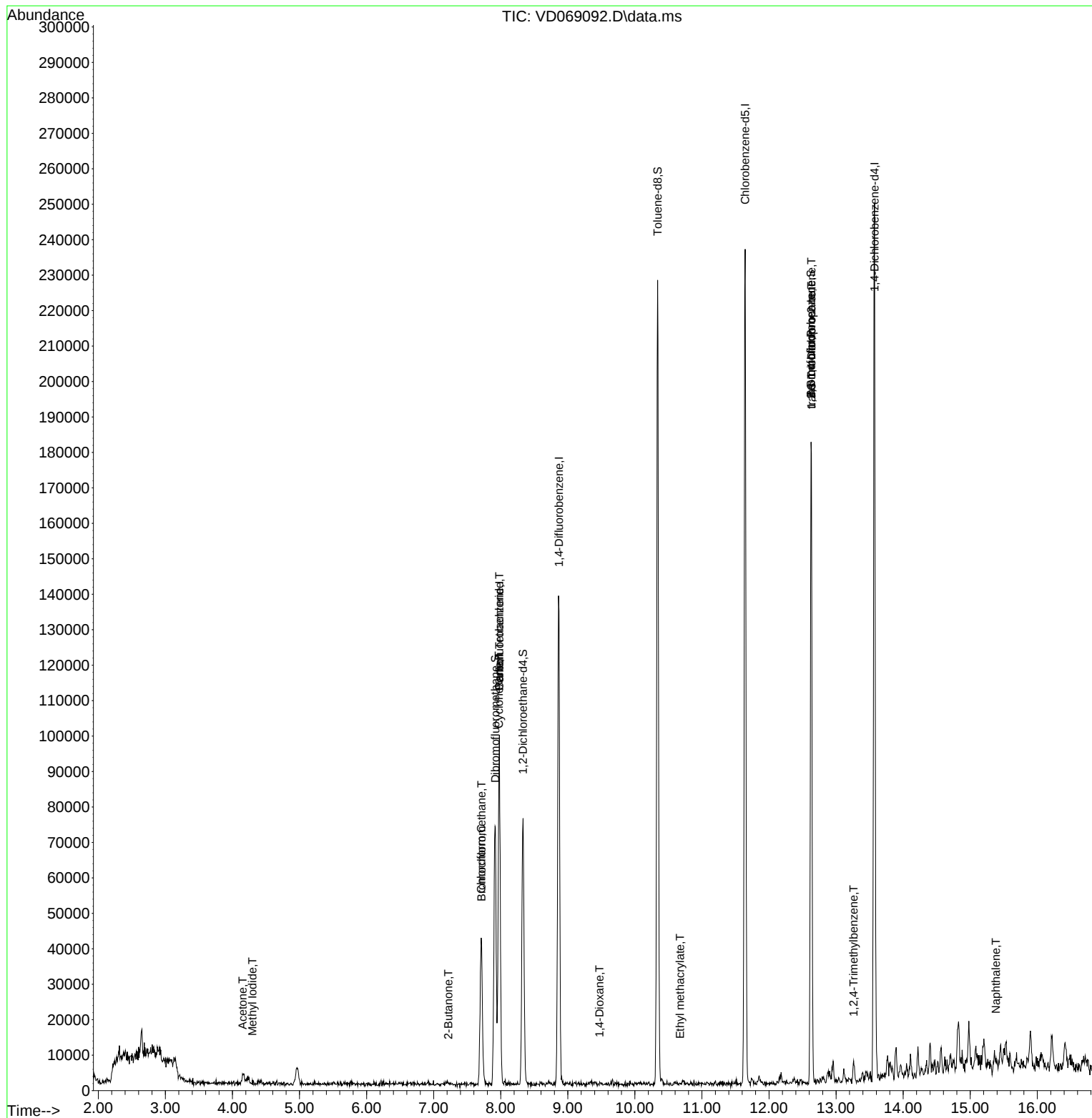
Internal Standards						
1) Pentafluorobenzene	7.979	168	68623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	122359	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	145182	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	67442	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	59742	67.55	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 135.10%			
35) Dibromofluoromethane	7.920	113	51569	61.46	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 122.92%			
50) Toluene-d8	10.338	98	157798	50.94	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.88%			
62) 4-Bromofluorobenzene	12.626	95	57633	56.56	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 113.12%			
Target Compounds						Qvalue
10) Methyl Iodide	4.297	142	76	3.27	ug/l #	1
11) Tert butyl alcohol	5.220	59	161	Below Cal	#	81
16) Acetone	4.150	43	5188	18.88	ug/l #	81
20) Methylene Chloride	4.956	84	3834	Below Cal	#	69
25) 2-Butanone	7.220	43	350	1.85	ug/l #	46
28) Bromochloromethane	7.714	49	3017	5.12	ug/l #	11
30) Chloroform	7.708	83	38719	23.70	ug/l	97
31) Cyclohexane	7.973	56	1858	1.45	ug/l #	53
38) Carbon Tetrachloride	7.979	117	7091	5.08	ug/l #	17
49) 1,4-Dioxane	9.473	88	71	12.18	ug/l #	24
56) Ethyl methacrylate	10.673	69	54	2.44	ug/l #	1
71) Bromoform	12.626	173	798	1.39	ug/l #	1
76) 1,2,3-Trichloropropane	12.632	75	30832	52.51	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	30832	114.27	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.261	105	4036	1.02	ug/l	90
95) Naphthalene	15.385	128	1395	3.40	ug/l #	80

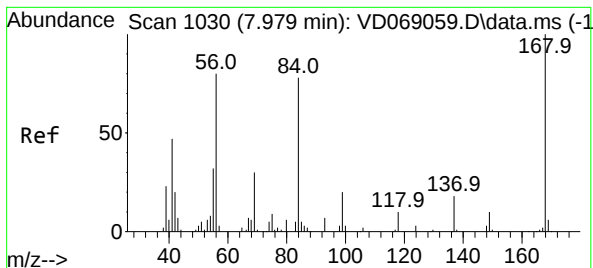
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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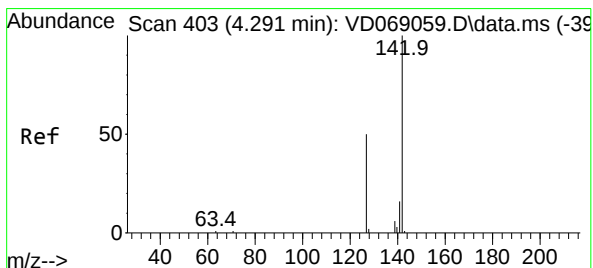
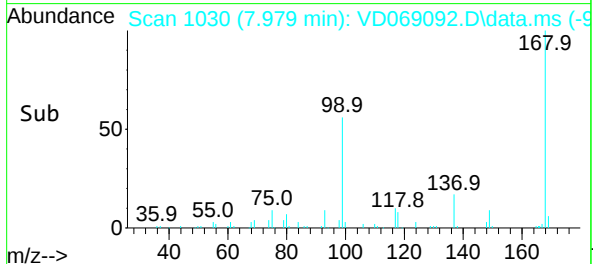
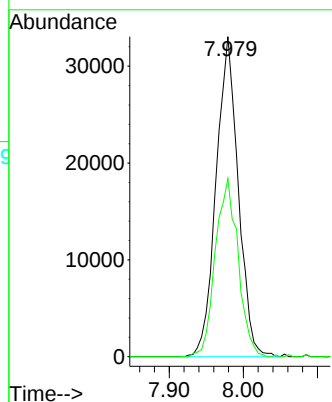
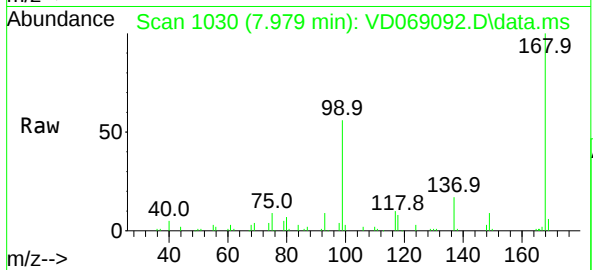




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069092.D
Acq: 06 May 2021 23:19

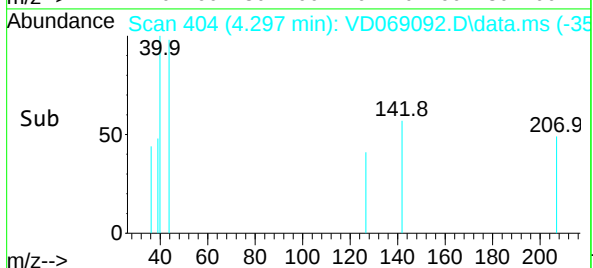
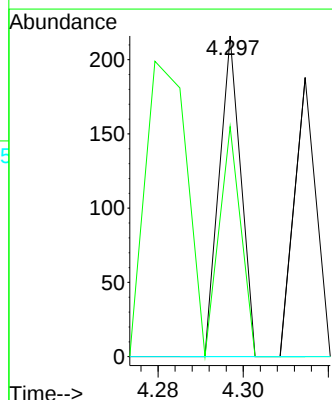
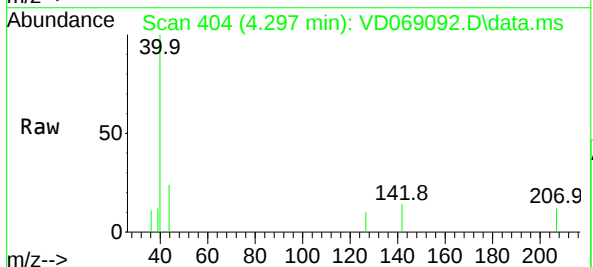
Instrument :
MSVOA_D
ClientSampled :

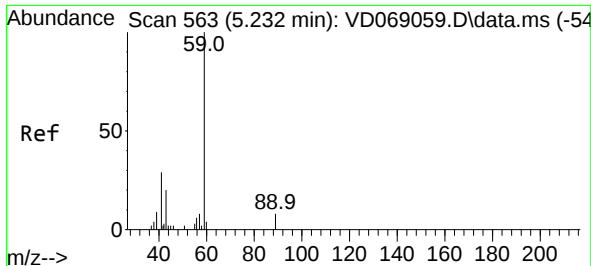
Tgt Ion:168 Resp: 68623
Ion Ratio Lower Upper
168 100
99 55.7 52.6 78.8



#10
Methyl Iodide
Concen: 3.27 ug/l
RT: 4.297 min Scan# 404
Delta R.T. 0.006 min
Lab File: VD069092.D
Acq: 06 May 2021 23:19

Tgt Ion:142 Resp: 76
Ion Ratio Lower Upper
142 100
127 248.7 41.6 62.4#
141 0.0 12.2 18.4#



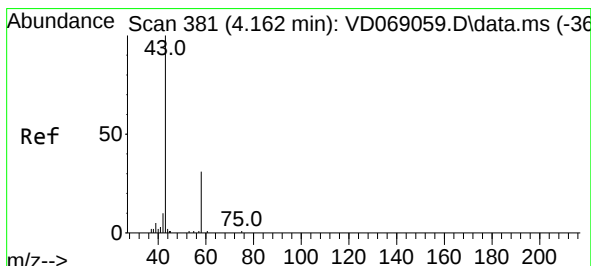
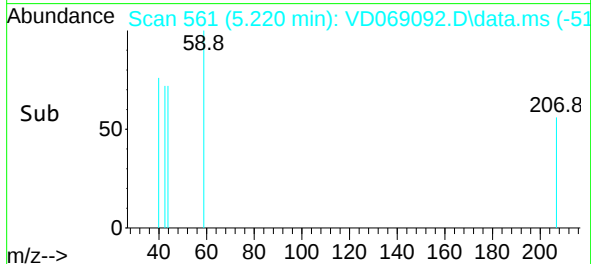
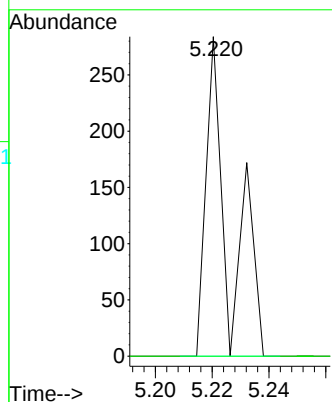
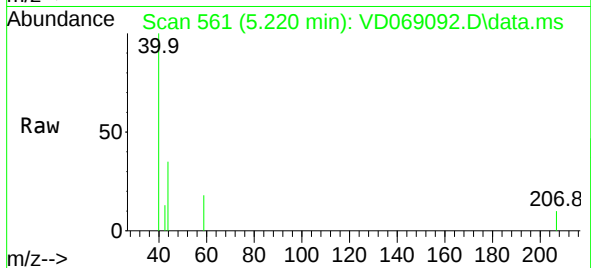


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. -0.012 min
Lab File: VD069092.D
Acq: 06 May 2021 23:19

Instrument :
MSVOA_D
ClientSampled :

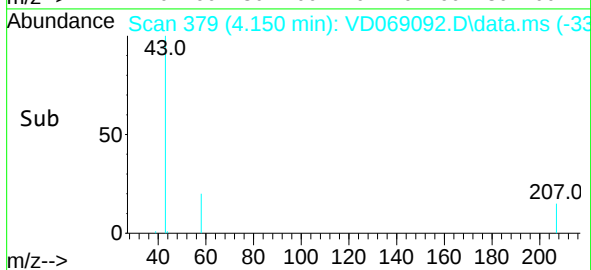
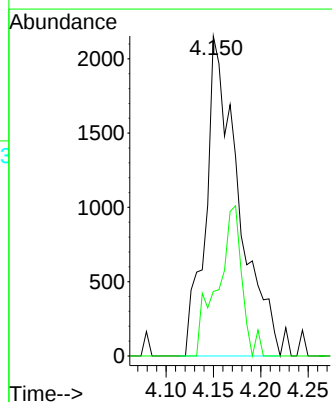
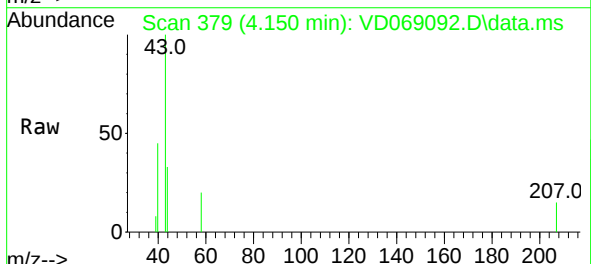
Tgt Ion: 59 Resp: 161
Ion Ratio Lower Upper
59 100
57 0.0 5.3 7.9#

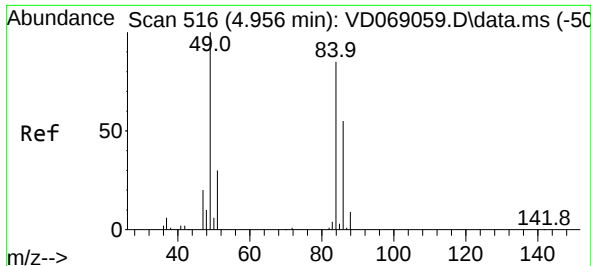


#16

Acetone
Concen: 18.88 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.012 min
Lab File: VD069092.D
Acq: 06 May 2021 23:19

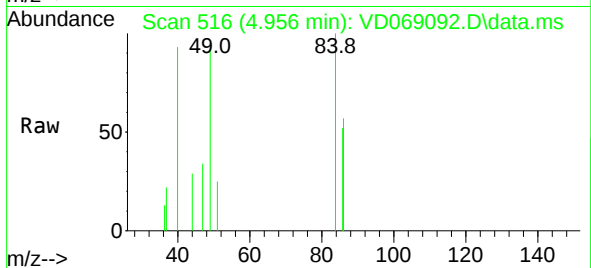
Tgt Ion: 43 Resp: 5188
Ion Ratio Lower Upper
43 100
58 20.1 24.5 36.7#



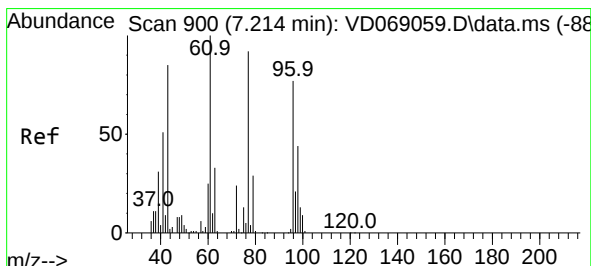
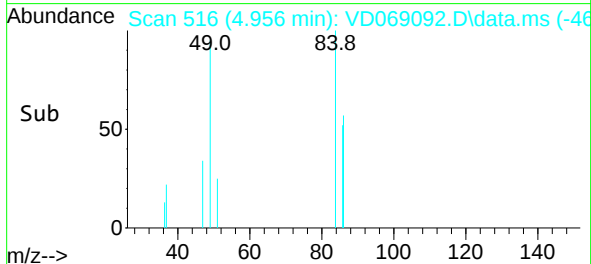
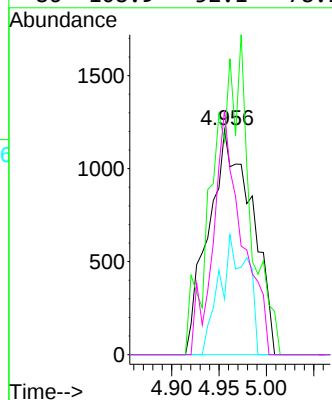


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.000 min
Lab File: VD069092.D
Acq: 06 May 2021 23:19

Instrument :
MSVOA_D
ClientSampleId :

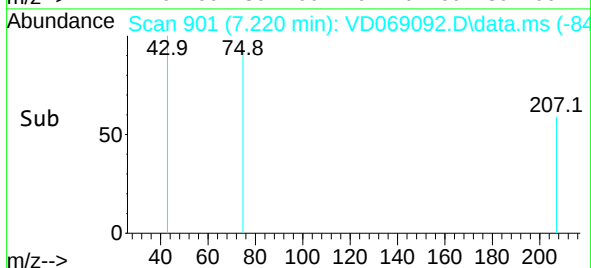
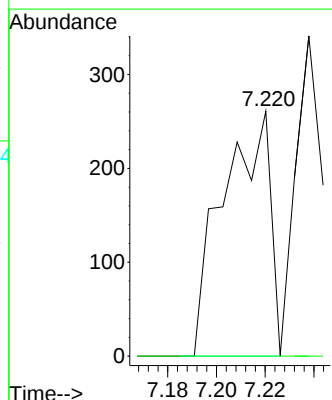
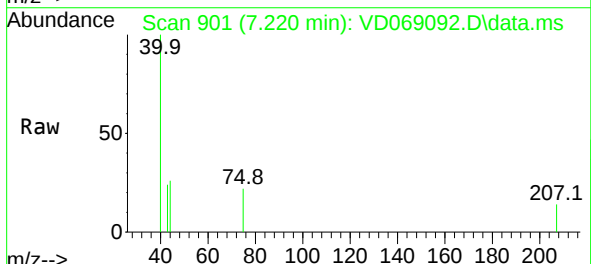


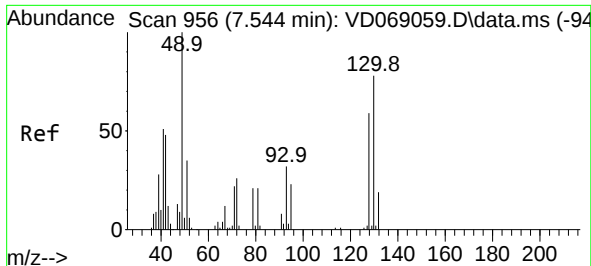
Tgt Ion:	84	Resp:	3834
Ion	Ratio	Lower	Upper
84	100		
49	94.9	93.9	140.9
51	24.7	27.9	41.9#
86	108.9	52.1	78.1#



#25
2-Butanone
Concen: 1.85 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD069092.D
Acq: 06 May 2021 23:19

Tgt Ion:	43	Resp:	350
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.0	34.4#

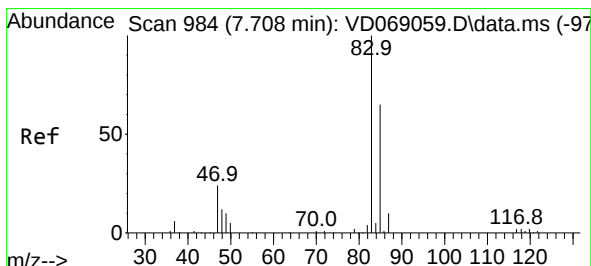
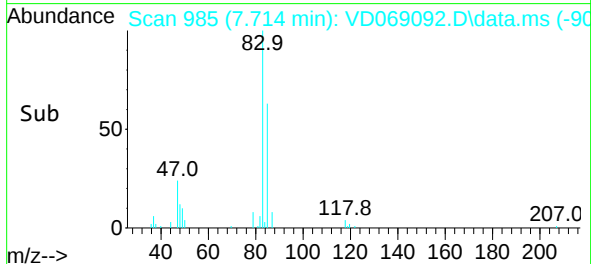
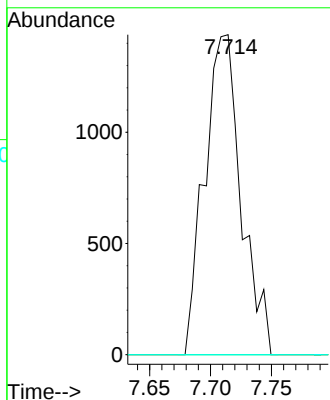
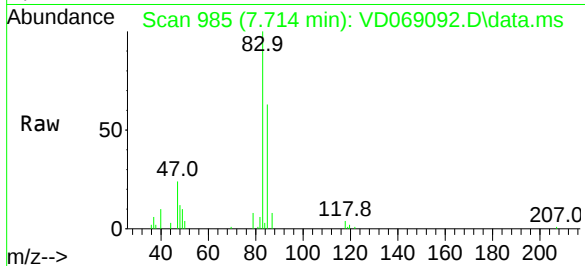




#28
Bromochloromethane
Concen: 5.12 ug/l
RT: 7.714 min Scan# 985
Delta R.T. 0.171 min
Lab File: VD069092.D
Acq: 06 May 2021 23:19

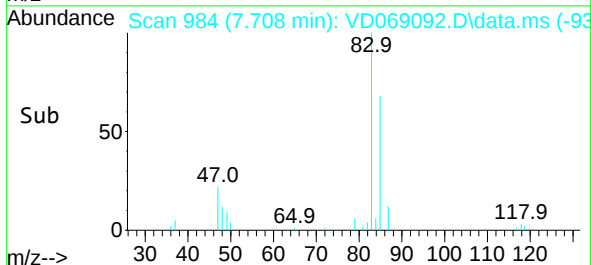
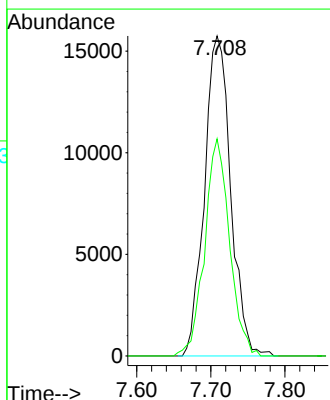
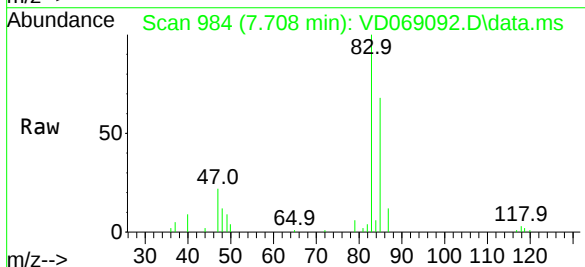
Instrument :
MSVOA_D
ClientSampled :

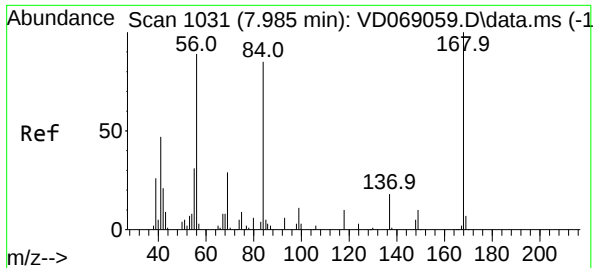
Tgt Ion: 49 Resp: 3017
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.2
130 0.0 64.9 97.3#



#30
Chloroform
Concen: 23.70 ug/l
RT: 7.708 min Scan# 984
Delta R.T. -0.000 min
Lab File: VD069092.D
Acq: 06 May 2021 23:19

Tgt Ion: 83 Resp: 38719
Ion Ratio Lower Upper
83 100
85 67.9 52.4 78.6

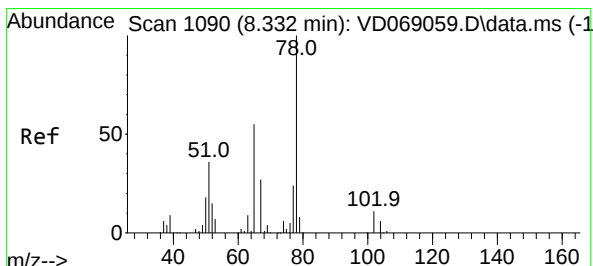
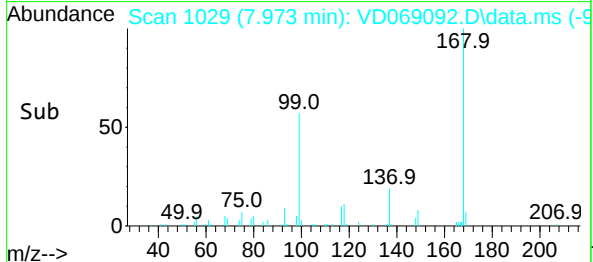
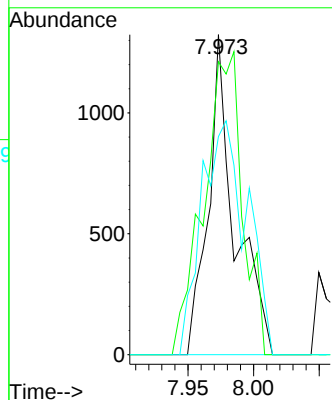
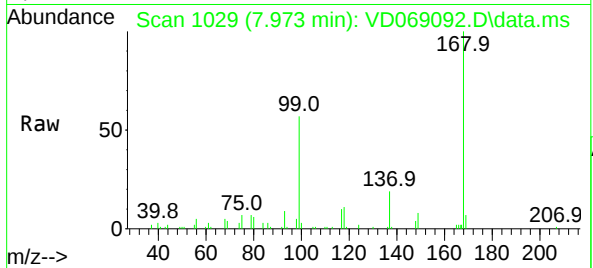




#31
Cyclohexane
Concen: 1.45 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069092.D
Acq: 06 May 2021 23:19

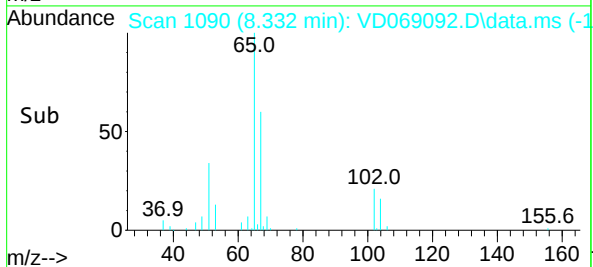
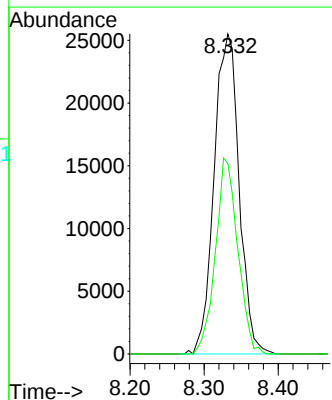
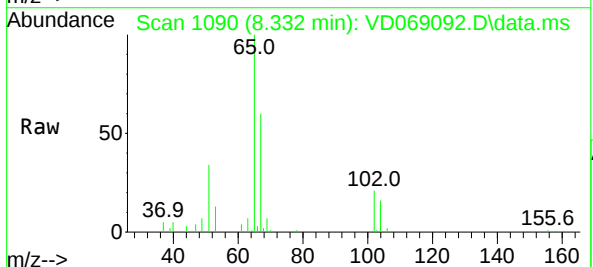
Instrument :
MSVOA_D
ClientSampled :

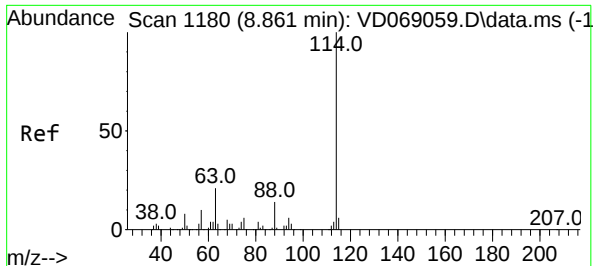
Tgt Ion: 56 Resp: 1858
Ion Ratio Lower Upper
56 100
69 91.5 26.3 39.5#
84 68.1 75.9 113.9#



#33
1,2-Dichloroethane-d4
Concen: 67.55 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069092.D
Acq: 06 May 2021 23:19

Tgt Ion: 65 Resp: 59742
Ion Ratio Lower Upper
65 100
67 54.8 0.0 103.4

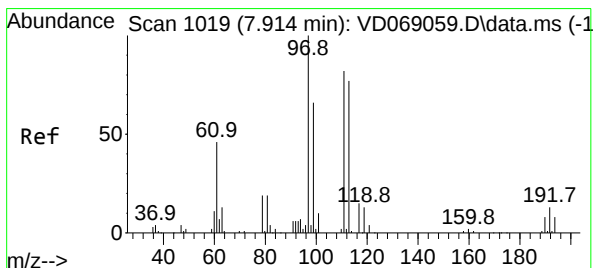
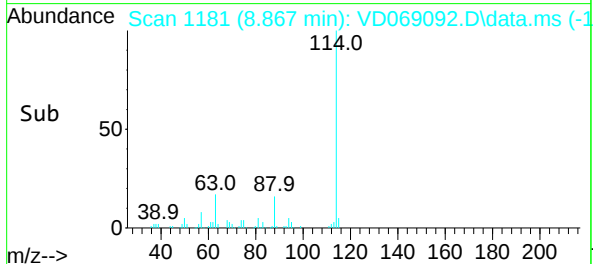
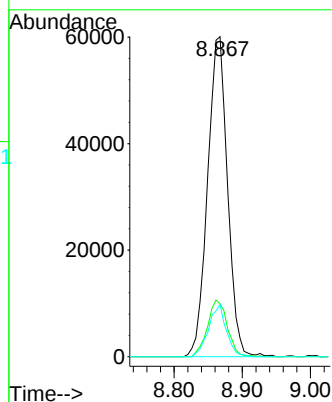
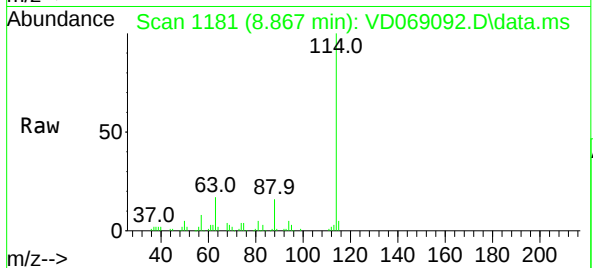




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.006 min
Lab File: VD069092.D
Acq: 06 May 2021 23:19

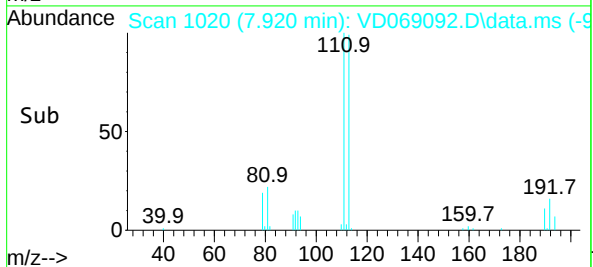
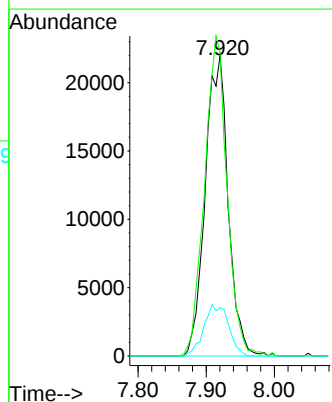
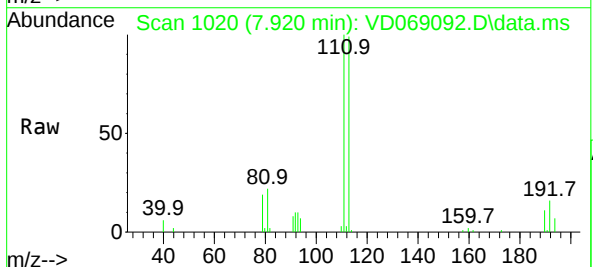
Instrument :
MSVOA_D
ClientSampled :

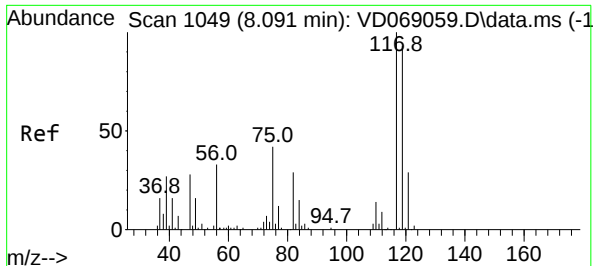
Tgt Ion:114 Resp: 122359
Ion Ratio Lower Upper
114 100
63 16.5 0.0 41.4
88 16.3 0.0 27.8



#35
Dibromofluoromethane
Concen: 61.46 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VD069092.D
Acq: 06 May 2021 23:19

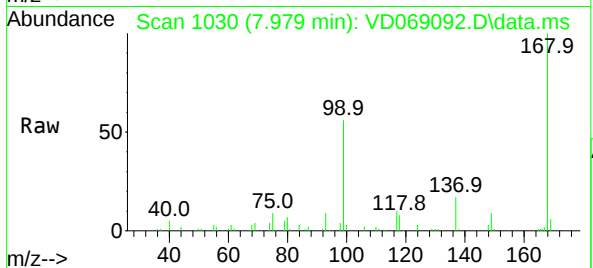
Tgt Ion:113 Resp: 51569
Ion Ratio Lower Upper
113 100
111 104.3 84.6 126.8
192 18.3 13.5 20.3



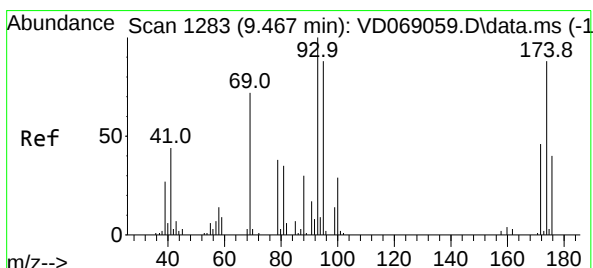
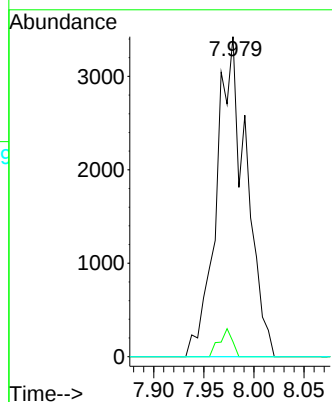
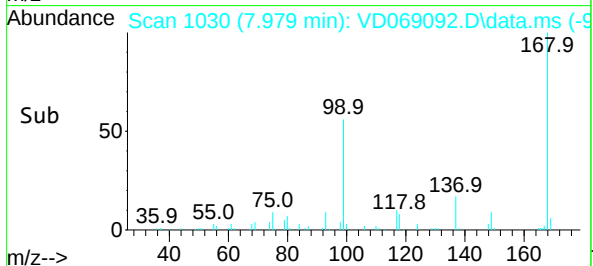


#38
Carbon Tetrachloride
Concen: 5.08 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD069092.D
Acq: 06 May 2021 23:19

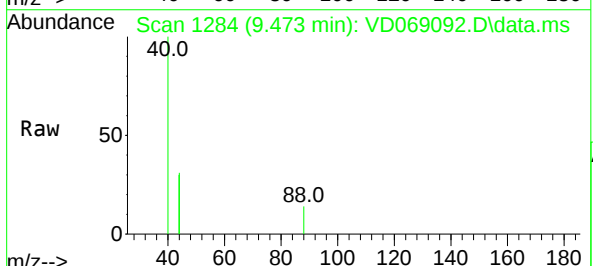
Instrument :
MSVOA_D
ClientSampled :



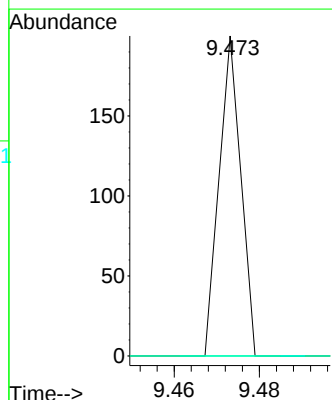
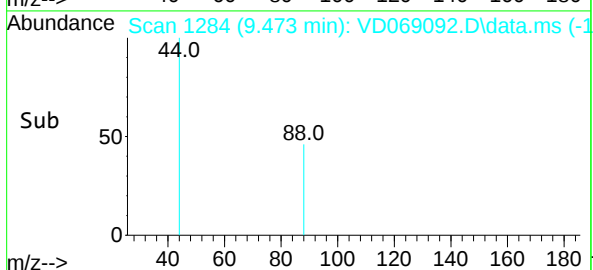
Tgt Ion:117 Resp: 7091
Ion Ratio Lower Upper
117 100
119 4.6 74.7 112.1#
121 0.0 23.1 34.7#

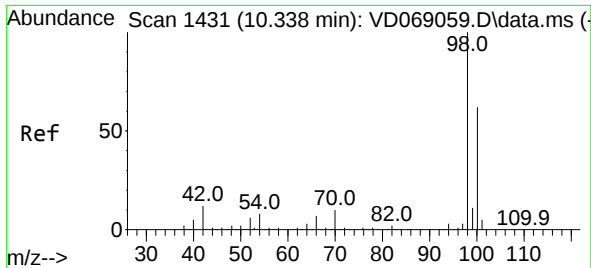


#49
1,4-Dioxane
Concen: 12.18 ug/l
RT: 9.473 min Scan# 1284
Delta R.T. 0.006 min
Lab File: VD069092.D
Acq: 06 May 2021 23:19



Tgt Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 0.0 32.0 48.0#
58 0.0 52.4 78.6#

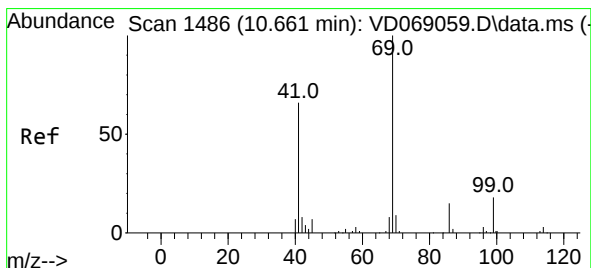
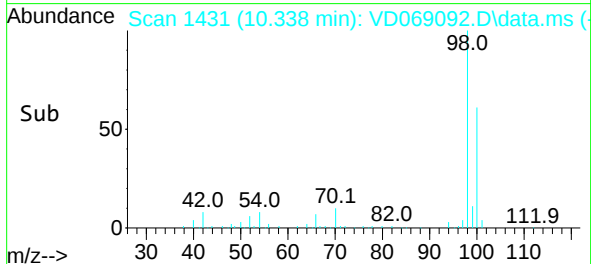
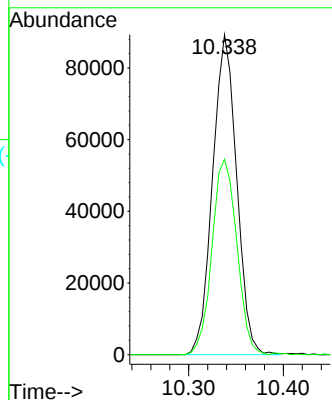
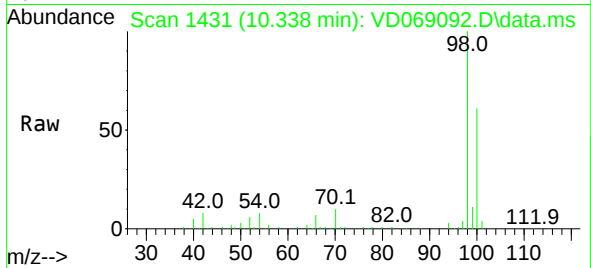




#50
Toluene-d8
Concen: 50.94 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069092.D
Acq: 06 May 2021 23:19

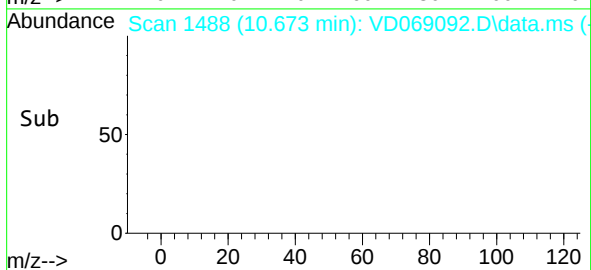
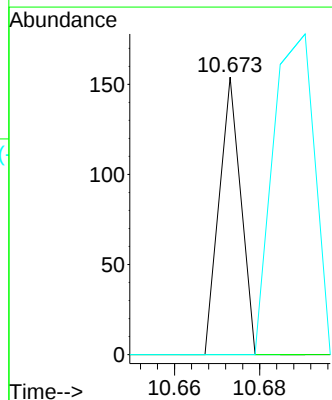
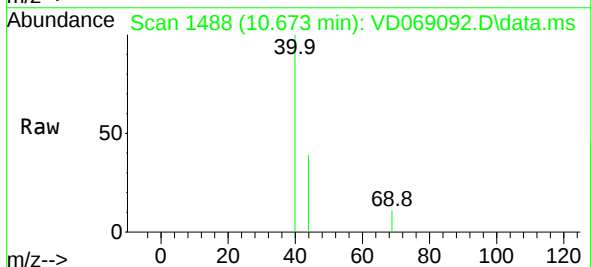
Instrument :
MSVOA_D
ClientSampled :

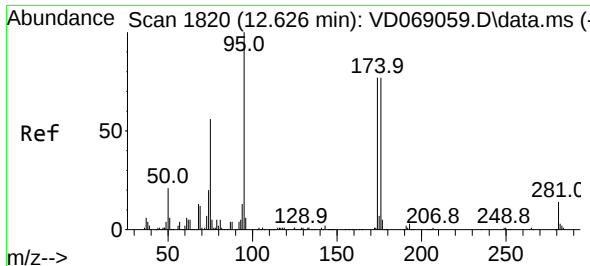
Tgt Ion: 98 Resp: 157798
Ion Ratio Lower Upper
98 100
100 63.1 51.6 77.4



#56
Ethyl methacrylate
Concen: 2.44 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.012 min
Lab File: VD069092.D
Acq: 06 May 2021 23:19

Tgt Ion: 69 Resp: 54
Ion Ratio Lower Upper
69 100
41 0.0 49.2 73.8#
39 222.2 29.8 44.6#

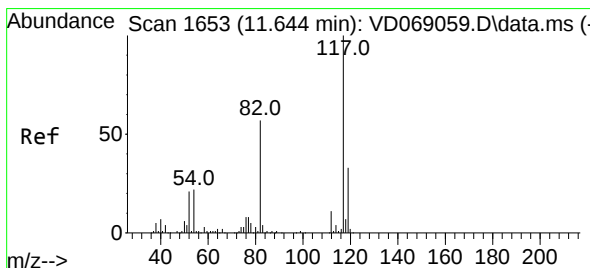
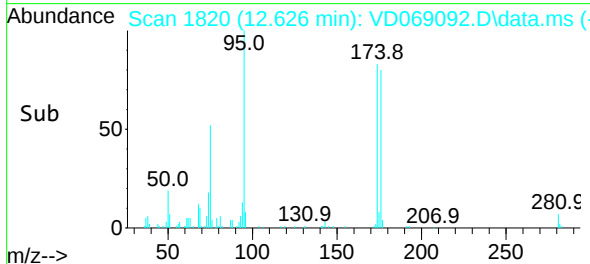
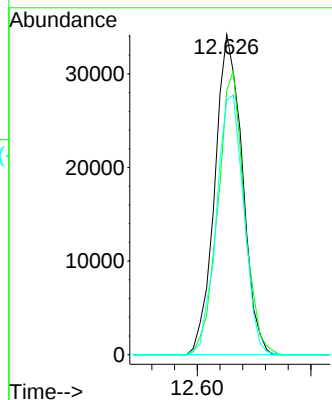
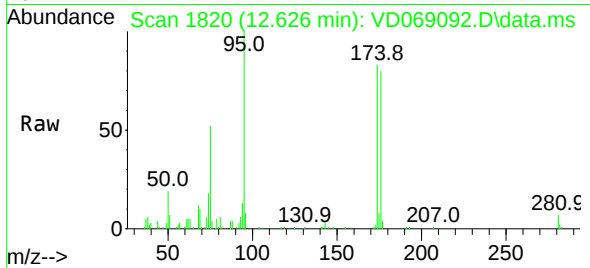




#62
4-Bromofluorobenzene
Concen: 56.56 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069092.D
Acq: 06 May 2021 23:19

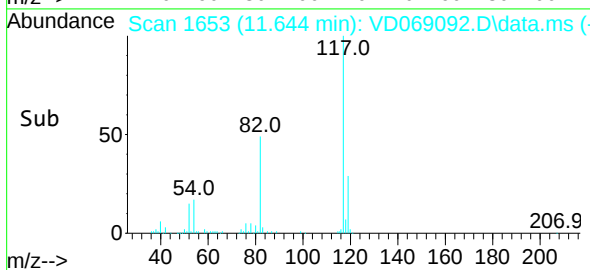
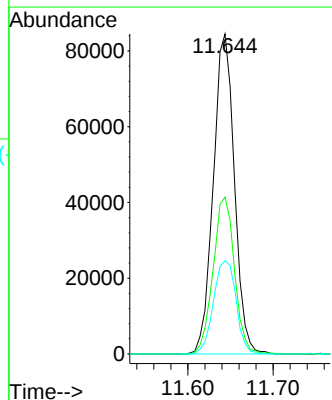
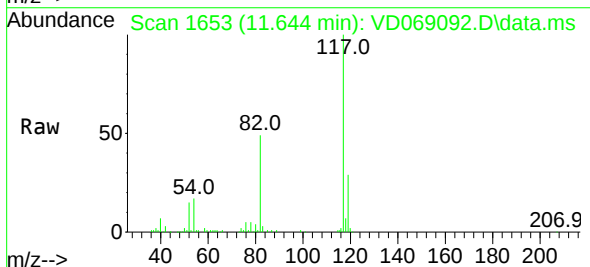
Instrument :
MSVOA_D
ClientSampleId :

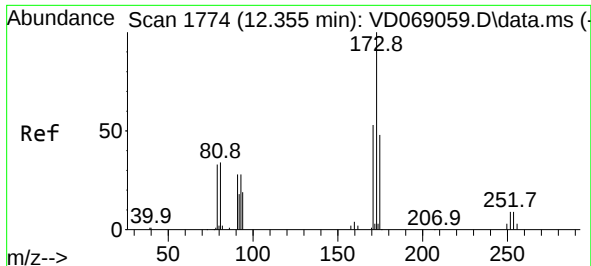
Tgt Ion: 95 Resp: 57633
Ion Ratio Lower Upper
95 100
174 84.6 0.0 156.0
176 80.6 0.0 149.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069092.D
Acq: 06 May 2021 23:19

Tgt Ion: 117 Resp: 145182
Ion Ratio Lower Upper
117 100
82 49.0 45.4 68.2
119 29.1 26.8 40.2

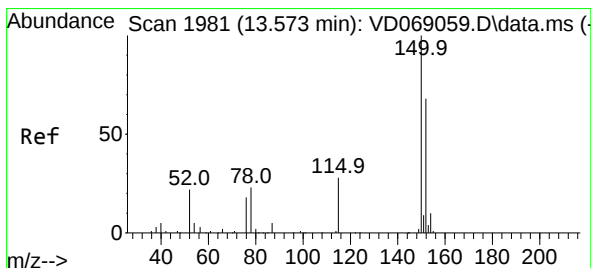
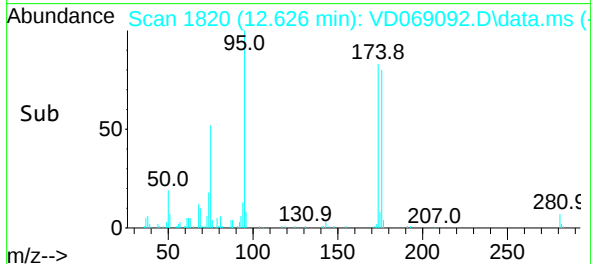
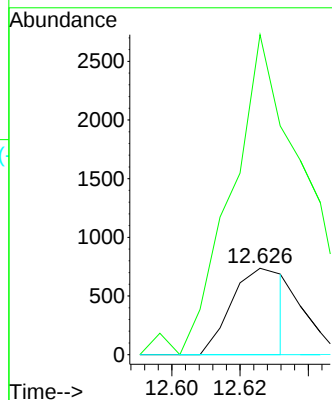
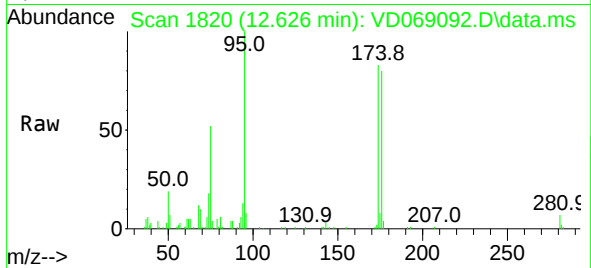




#71
Bromoform
Concen: 1.39 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069092.D
Acq: 06 May 2021 23:19

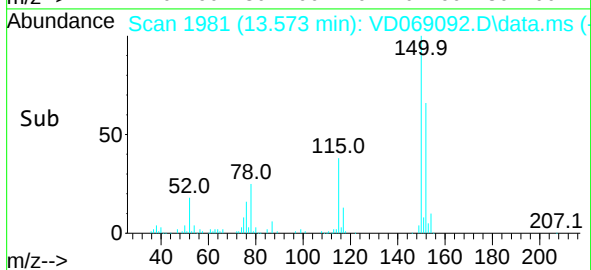
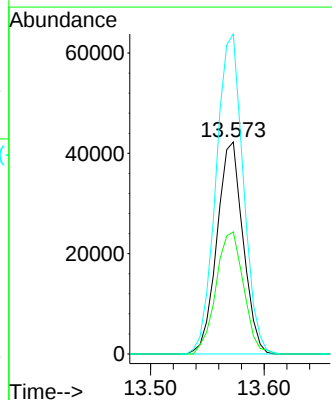
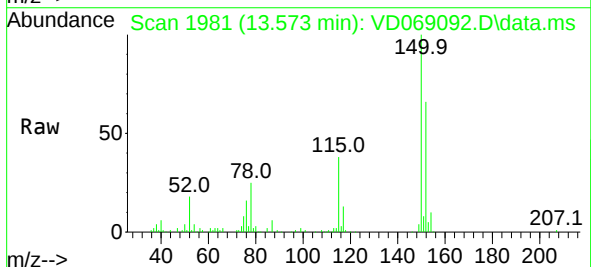
Instrument :
MSVOA_D
ClientSampleId :

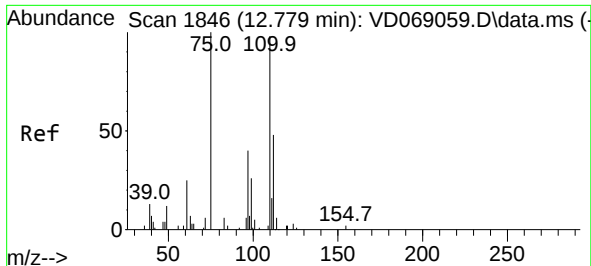
Tgt Ion:173 Resp: 798
Ion Ratio Lower Upper
173 100
175 352.3 23.8 71.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD069092.D
Acq: 06 May 2021 23:19

Tgt Ion:152 Resp: 67442
Ion Ratio Lower Upper
152 100
115 60.9 30.5 91.5
150 157.5 0.0 340.8

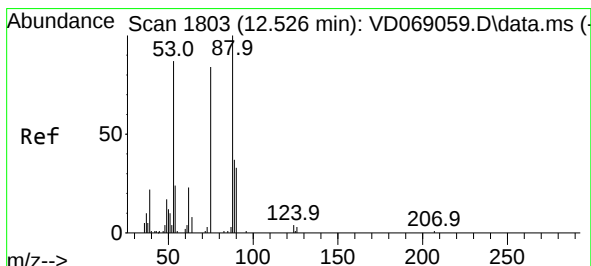
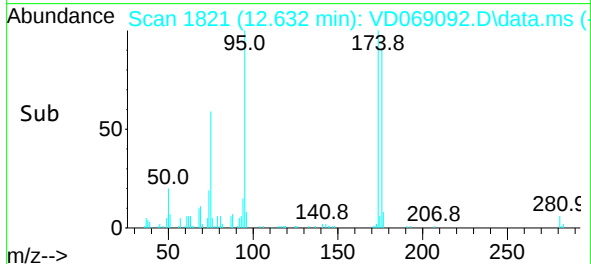
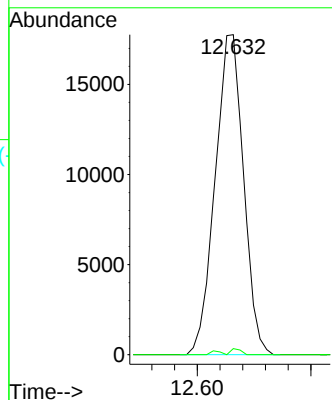
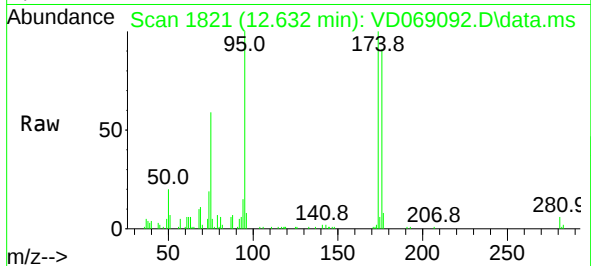




#76
1,2,3-Trichloropropane
Concen: 52.51 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD069092.D
Acq: 06 May 2021 23:19

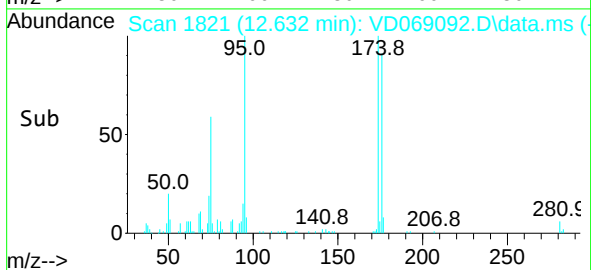
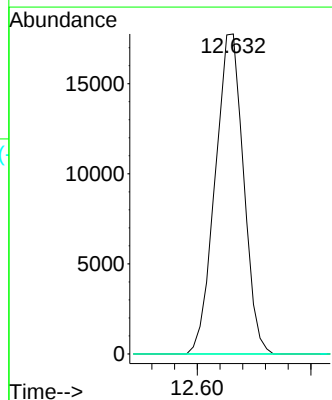
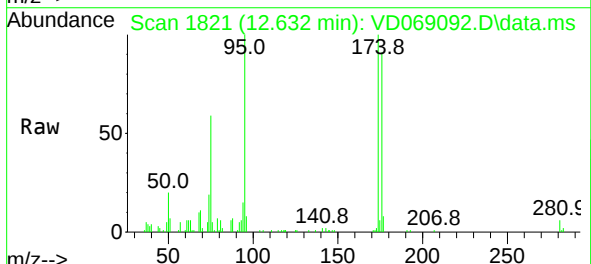
Instrument :
MSVOA_D
ClientSampled :

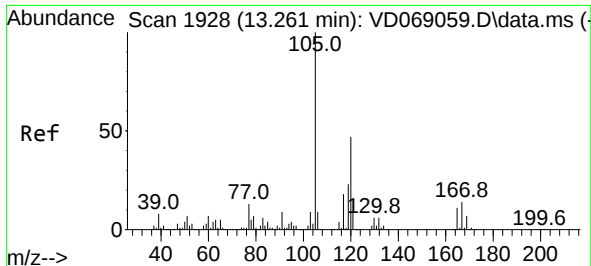
Tgt Ion: 75 Resp: 30832
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.27 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD069092.D
Acq: 06 May 2021 23:19

Tgt Ion: 75 Resp: 30832
Ion Ratio Lower Upper
75 100
53 0.0 80.4 120.6#
89 0.0 37.8 56.8#

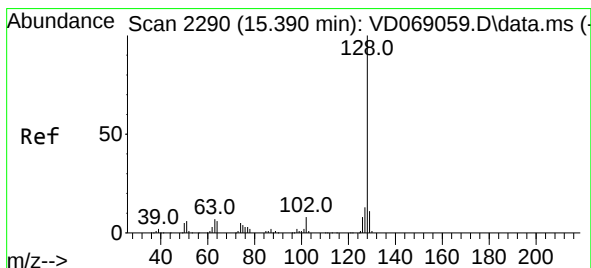
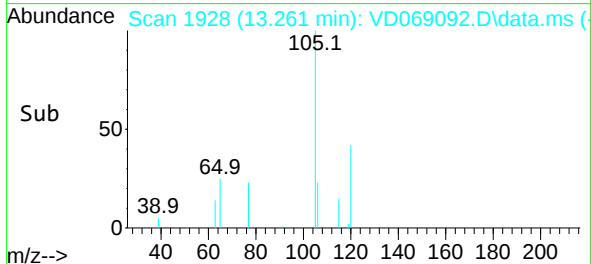
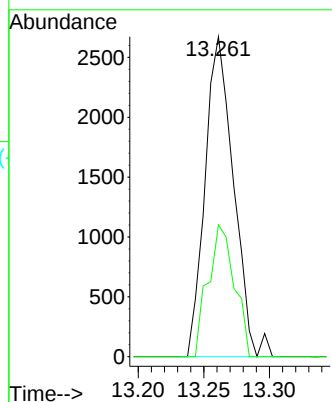
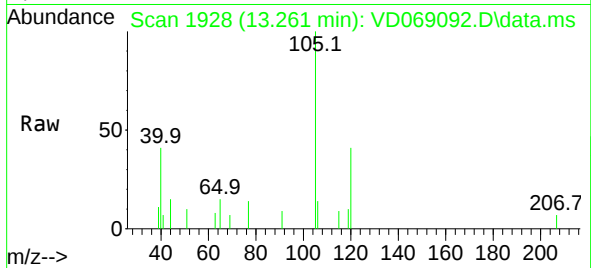




#84
1,2,4-Trimethylbenzene
Concen: 1.02 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.000 min
Lab File: VD069092.D
Acq: 06 May 2021 23:19

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:105 Resp: 4036
Ion Ratio Lower Upper
105 100
120 38.2 22.5 67.5



#95
Naphthalene
Concen: 3.40 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069092.D
Acq: 06 May 2021 23:19

Tgt Ion:128 Resp: 1395
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 11.3 8.5 12.7

