

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073021\
 Data File : VD069932.D
 Acq On : 30 Jul 2021 12:09
 Operator : VA/SY
 Sample : M3235-01
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-457-COMP

Quant Time: Jul 31 00:36:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

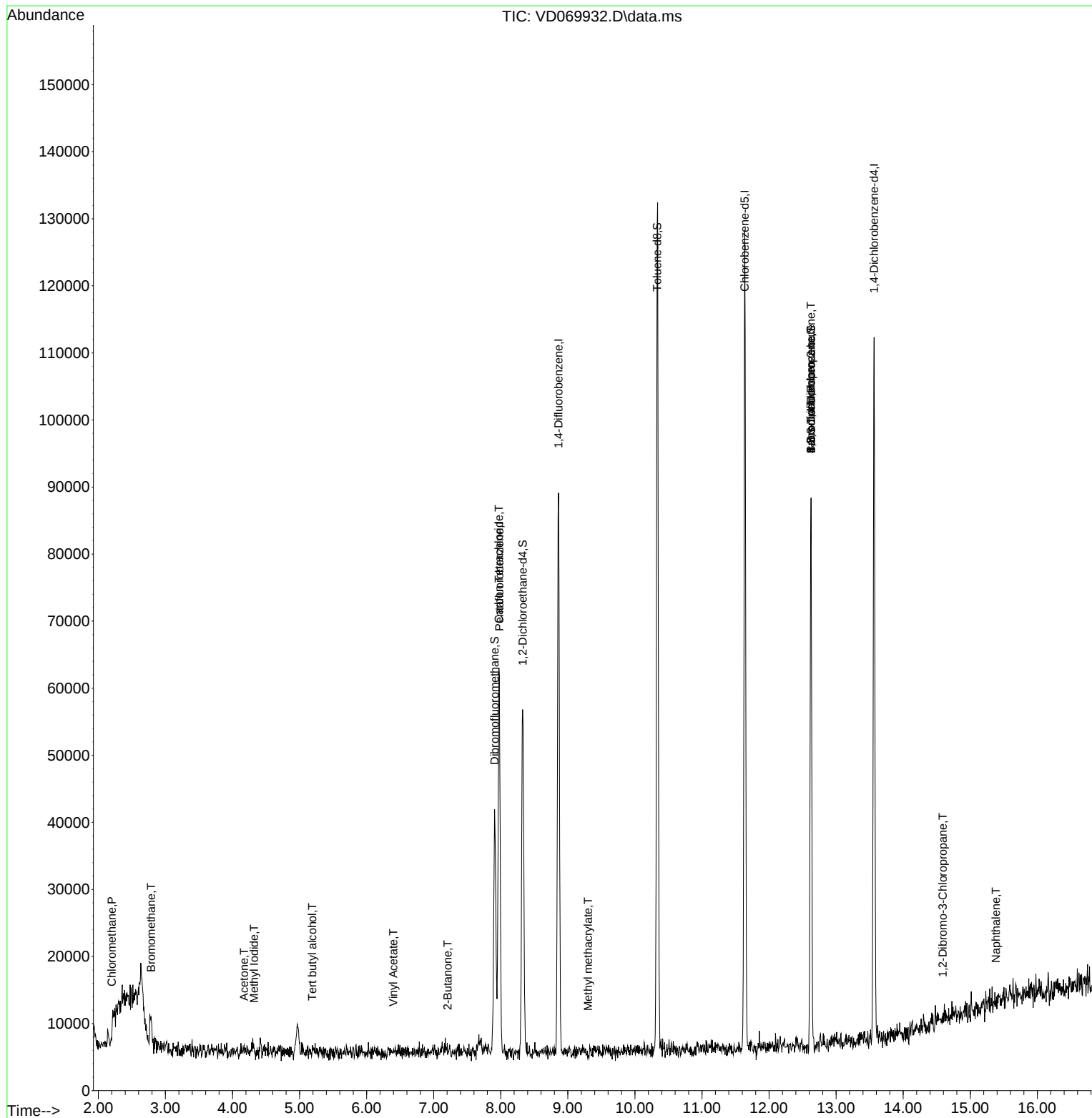
Internal Standards						
1) Pentafluorobenzene	7.979	168	40657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	70835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	70231	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	27374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	41439	88.622	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 177.240%#	
35) Dibromofluoromethane	7.908	113	25671	57.488	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.980%	
50) Toluene-d8	10.332	98	88961	51.666	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.340%	
62) 4-Bromofluorobenzene	12.626	95	27811	48.329	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 96.660%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	1090	1.756	ug/l #	8
5) Bromomethane	2.785	94	2389	4.460	ug/l	89
10) Methyl Iodide	4.320	142	1459	6.149	ug/l #	45
11) Tert butyl alcohol	5.191	59	55	2.273	ug/l #	73
16) Acetone	4.173	43	901	10.667	ug/l #	38
20) Methylene Chloride	4.967	84	3105	Below Cal	#	82
23) Vinyl Acetate	6.397	43	65	20.422	ug/l #	71
25) 2-Butanone	7.208	43	121	1.056	ug/l #	46
38) Carbon Tetrachloride	7.973	117	3548	5.081	ug/l #	12
48) Methyl methacrylate	9.302	41	129	3.206	ug/l #	13
71) Bromoform	12.626	173	266	1.046	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	13545	46.552	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	13545	141.226	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.590	75	65	1.149	ug/l #	7
95) Naphthalene	15.384	128	387	5.388	ug/l #	69

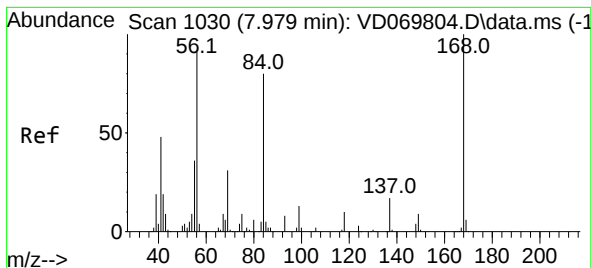
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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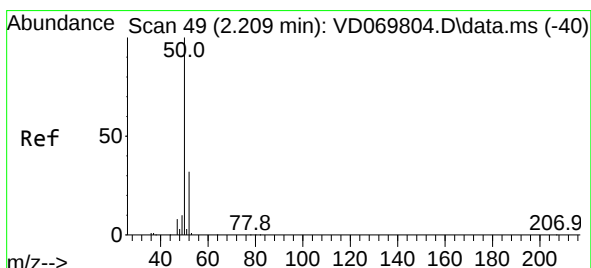
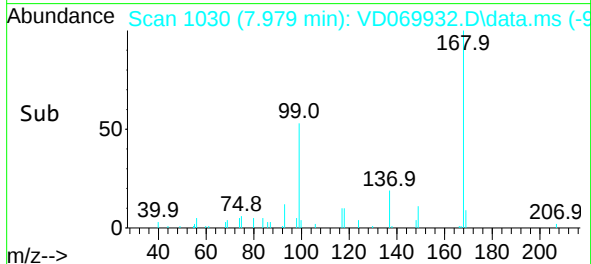
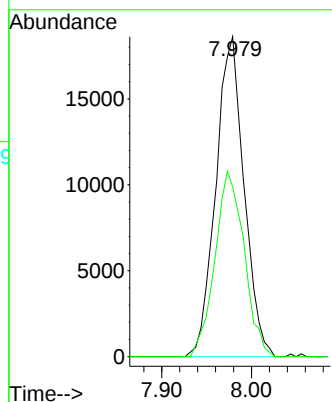
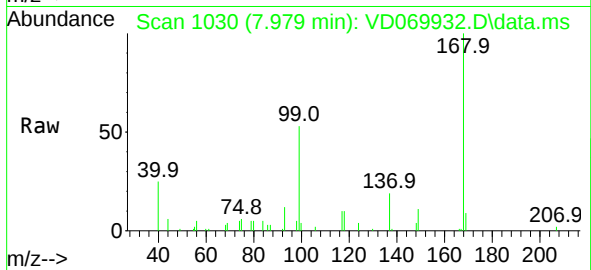




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069932.D
Acq: 30 Jul 2021 12:09

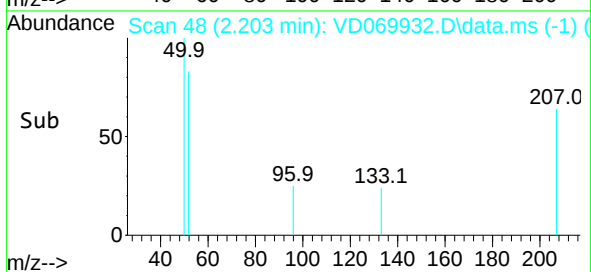
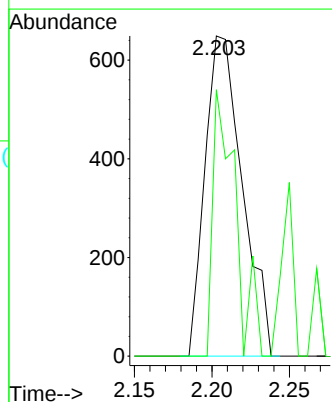
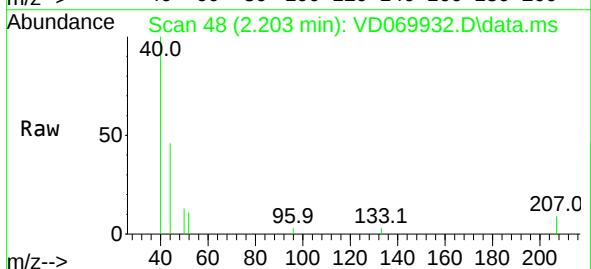
Instrument :
MSVOA_D
ClientSampleId :
MH-457-COMP

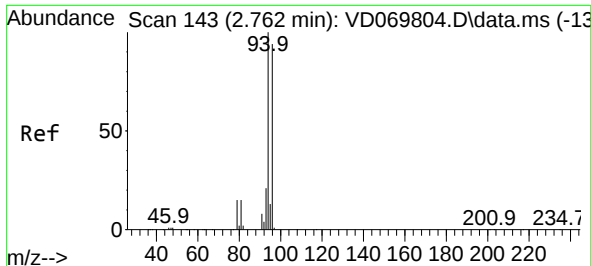
Tgt Ion:168 Resp: 40657
Ion Ratio Lower Upper
168 100
99 53.0 51.1 76.7



#3
Chloromethane
Concen: 1.756 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD069932.D
Acq: 30 Jul 2021 12:09

Tgt Ion: 50 Resp: 1090
Ion Ratio Lower Upper
50 100
52 83.2 25.7 38.5#

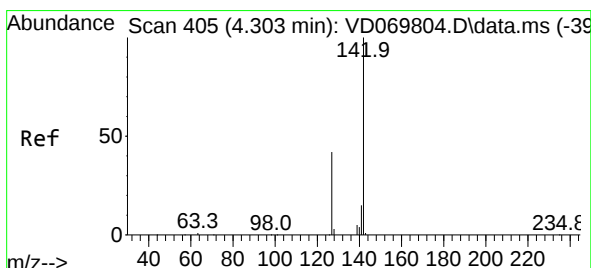
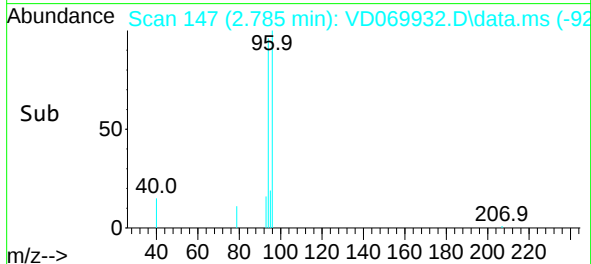
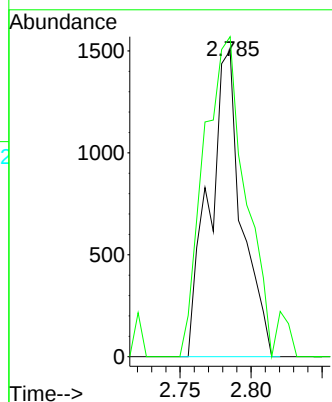
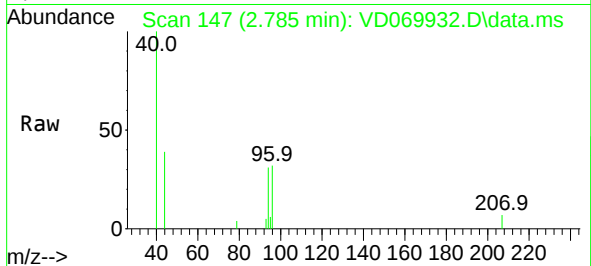




#5
Bromomethane
Concen: 4.460 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD069932.D
Acq: 30 Jul 2021 12:09

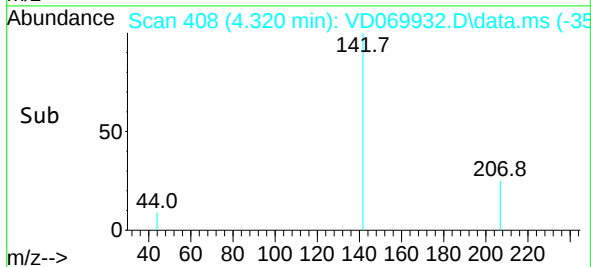
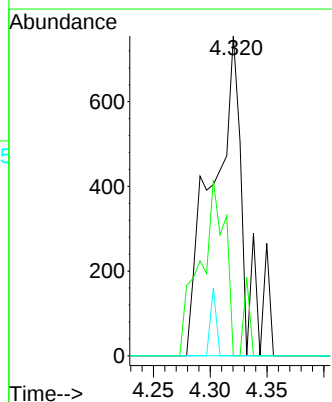
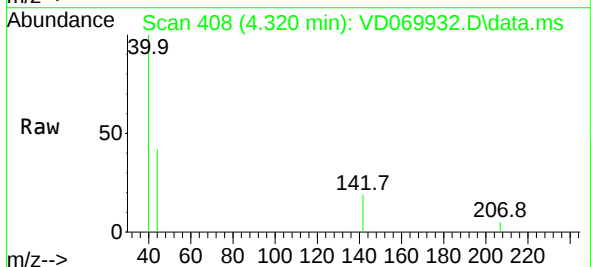
Instrument :
MSVOA_D
ClientSampleId :
MH-457-COMP

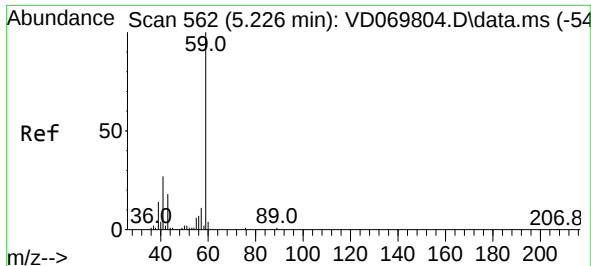
Tgt Ion: 94 Resp: 2389
Ion Ratio Lower Upper
94 100
96 104.5 74.8 112.2



#10
Methyl Iodide
Concen: 6.149 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.017 min
Lab File: VD069932.D
Acq: 30 Jul 2021 12:09

Tgt Ion: 142 Resp: 1459
Ion Ratio Lower Upper
142 100
127 4.5 35.7 53.5#
141 0.0 12.0 18.0#



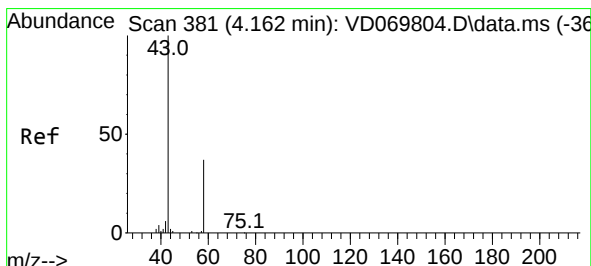
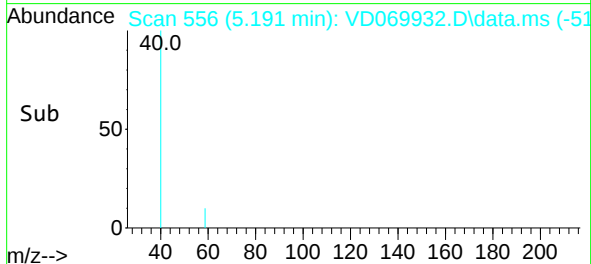
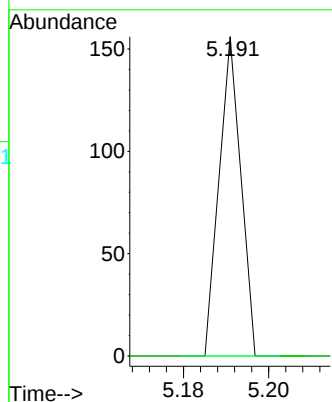
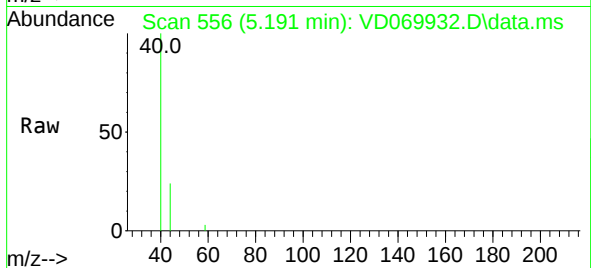


#11

Tert butyl alcohol
Concen: 2.273 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.035 min
Lab File: VD069932.D
Acq: 30 Jul 2021 12:09

Instrument :
MSVOA_D
ClientSampleId :
MH-457-COMP

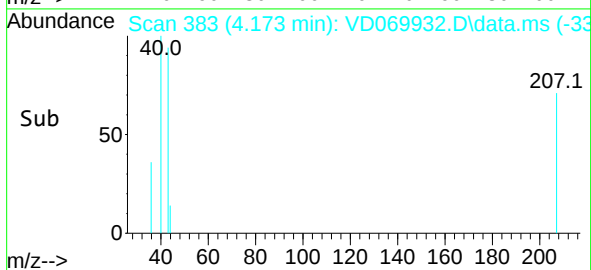
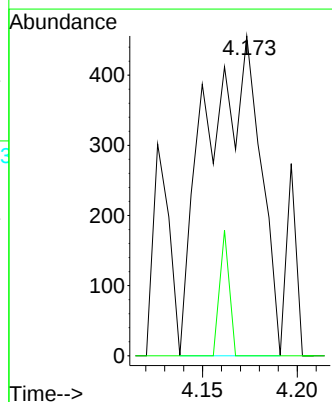
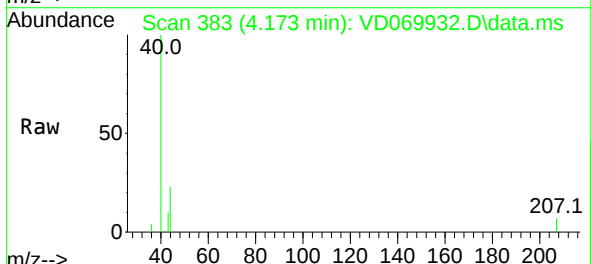
Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

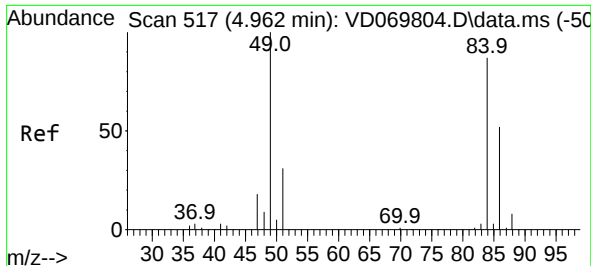


#16

Acetone
Concen: 10.667 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.012 min
Lab File: VD069932.D
Acq: 30 Jul 2021 12:09

Tgt Ion: 43 Resp: 901
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#

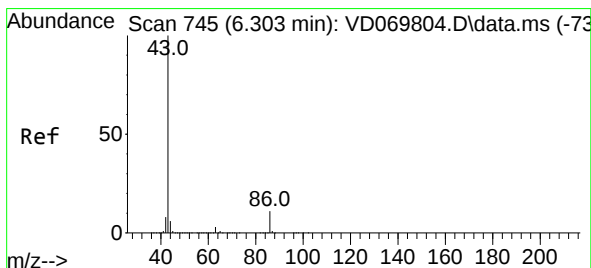
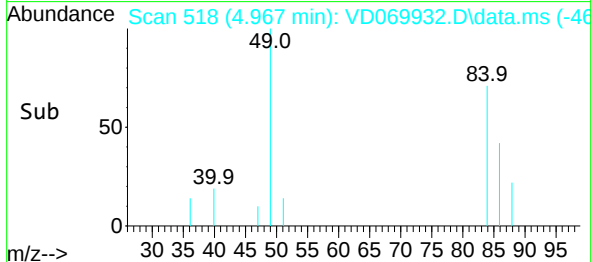
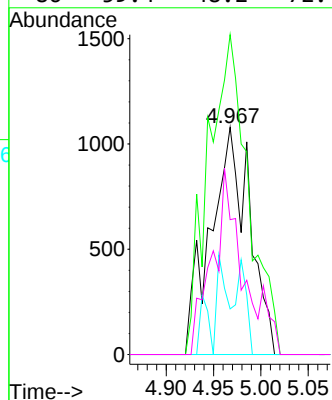
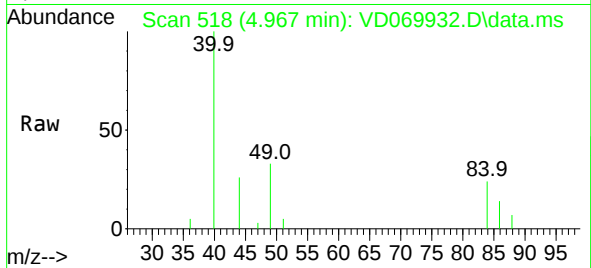




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069932.D
Acq: 30 Jul 2021 12:09

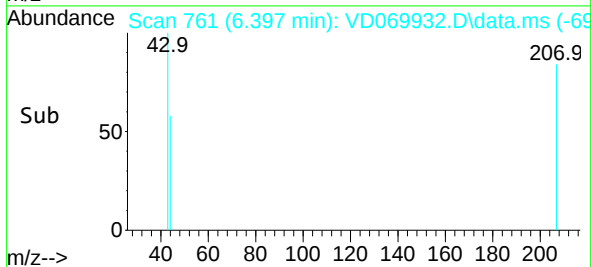
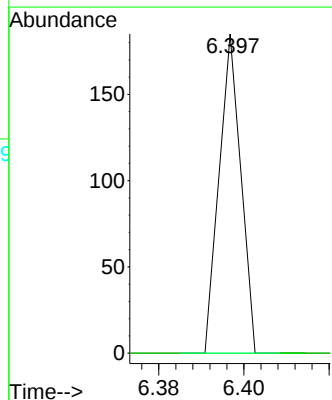
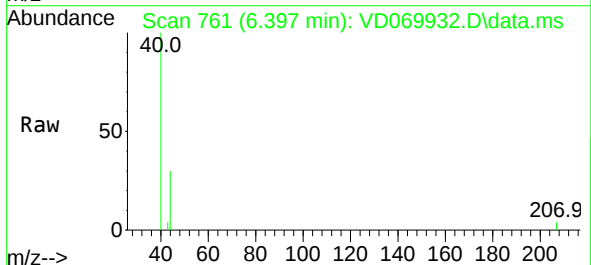
Instrument :
MSVOA_D
ClientSampleId :
MH-457-COMP

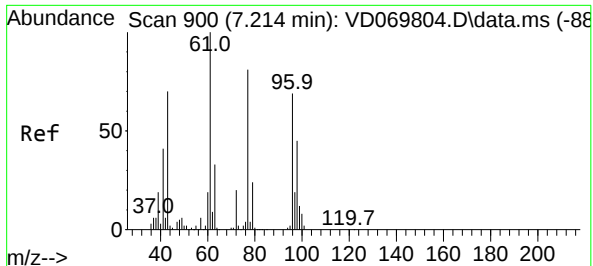
Tgt Ion:	84	Resp:	3105
Ion	Ratio	Lower	Upper
84	100		
49	140.8	92.4	138.6#
51	20.1	28.5	42.7#
86	59.4	48.2	72.4



#23
Vinyl Acetate
Concen: 20.422 ug/l
RT: 6.397 min Scan# 761
Delta R.T. 0.094 min
Lab File: VD069932.D
Acq: 30 Jul 2021 12:09

Tgt Ion:	43	Resp:	65
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#

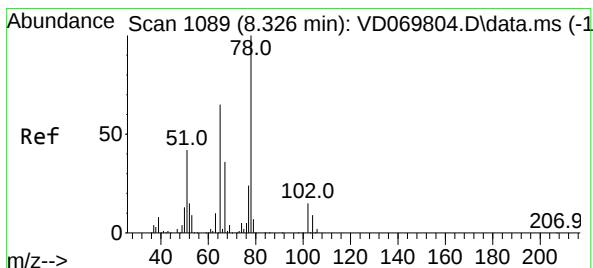
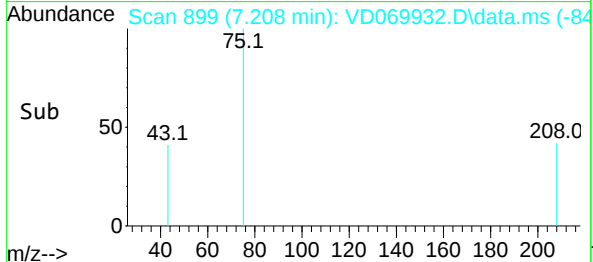
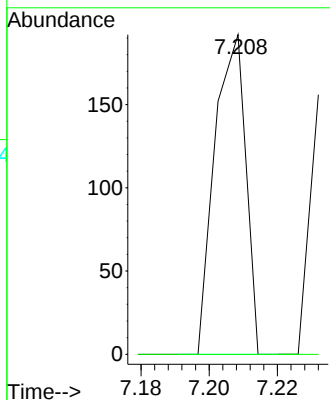
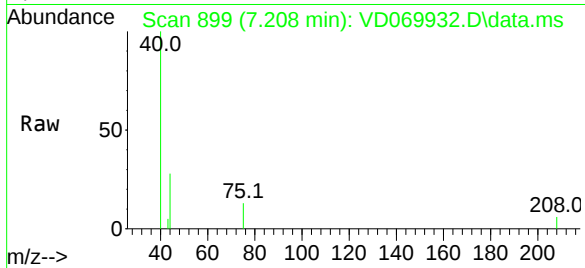




#25
2-Butanone
Concen: 1.056 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069932.D
Acq: 30 Jul 2021 12:09

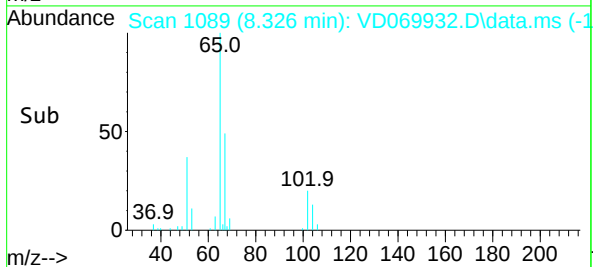
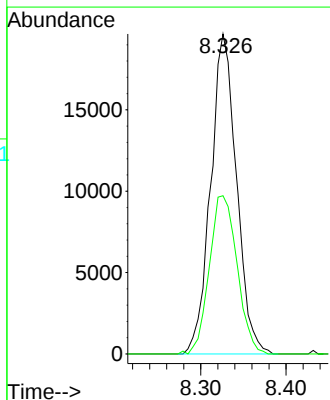
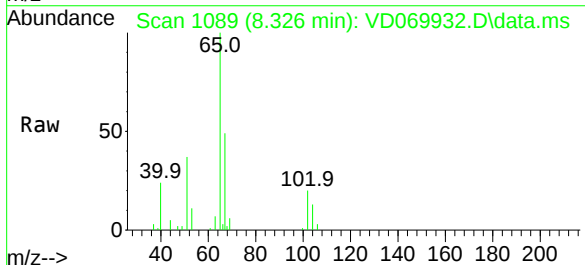
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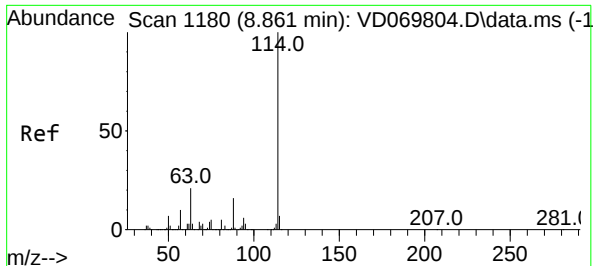
Tgt Ion: 43 Resp: 121
Ion Ratio Lower Upper
43 100
72 0.0 22.8 34.2#



#33
1,2-Dichloroethane-d4
Concen: 88.622 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069932.D
Acq: 30 Jul 2021 12:09

Tgt Ion: 65 Resp: 41439
Ion Ratio Lower Upper
65 100
67 53.2 0.0 111.2

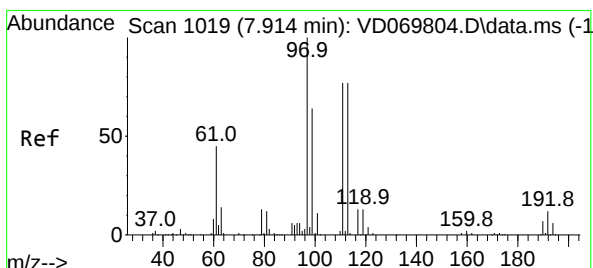
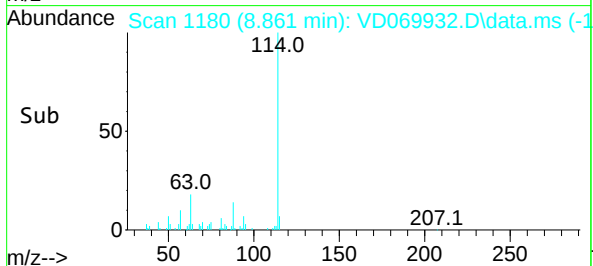
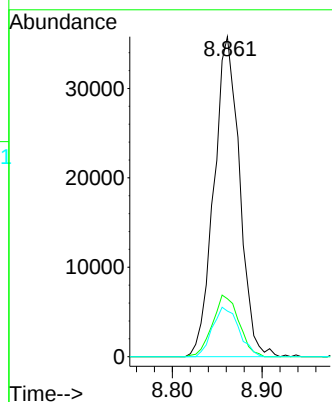
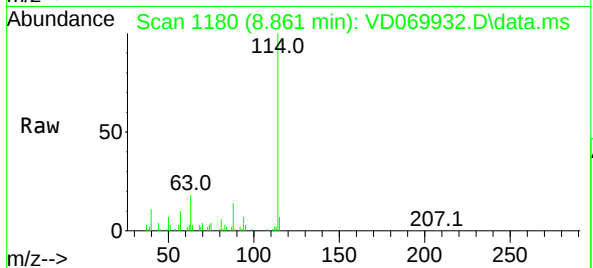




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069932.D
Acq: 30 Jul 2021 12:09

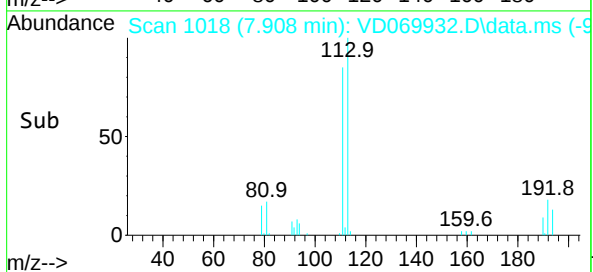
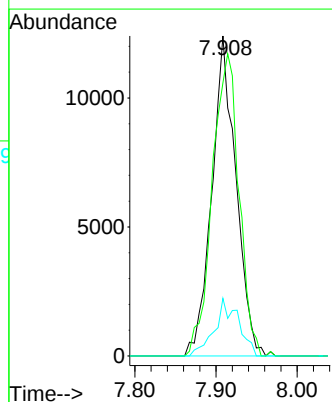
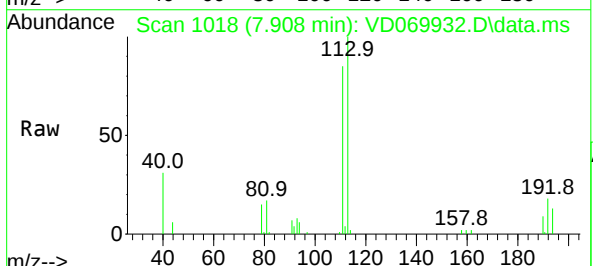
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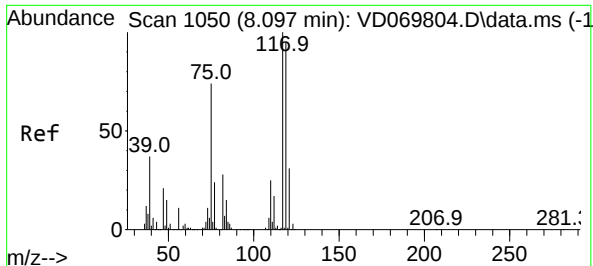
Tgt Ion:	114	Resp:	70835
Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	41.6
88	14.2	0.0	31.4



#35
Dibromofluoromethane
Concen: 57.488 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069932.D
Acq: 30 Jul 2021 12:09

Tgt Ion:	113	Resp:	25671
Ion	Ratio	Lower	Upper
113	100		
111	104.2	80.5	120.7
192	17.8	12.6	19.0

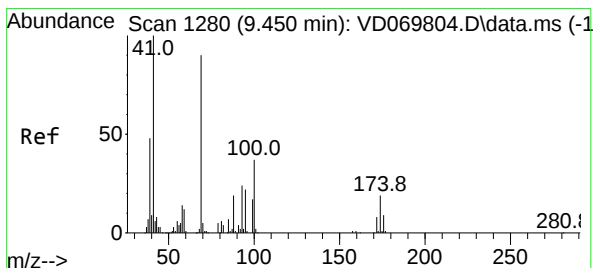
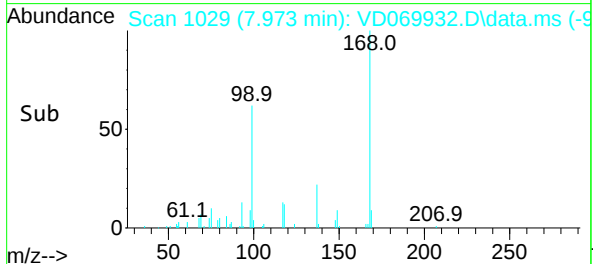
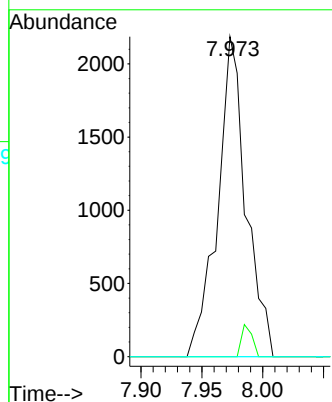
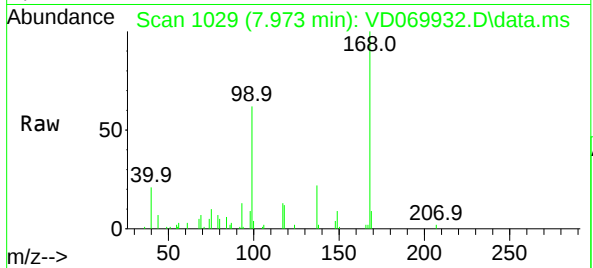




#38
Carbon Tetrachloride
Concen: 5.081 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069932.D
Acq: 30 Jul 2021 12:09

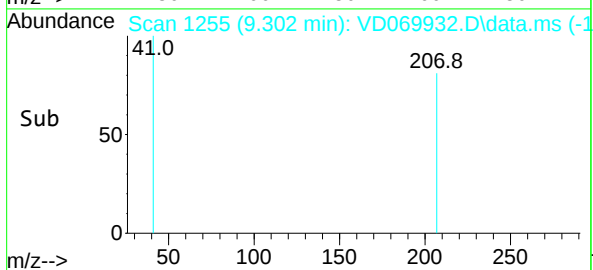
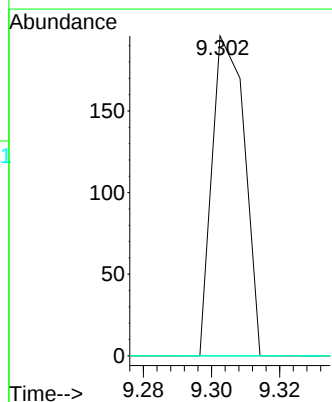
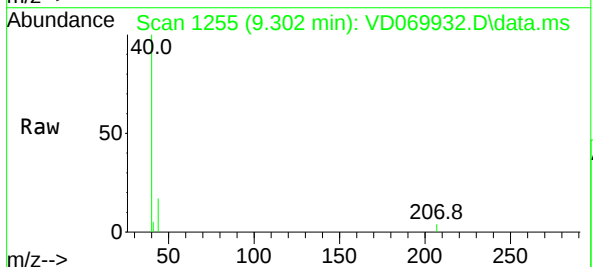
Instrument :
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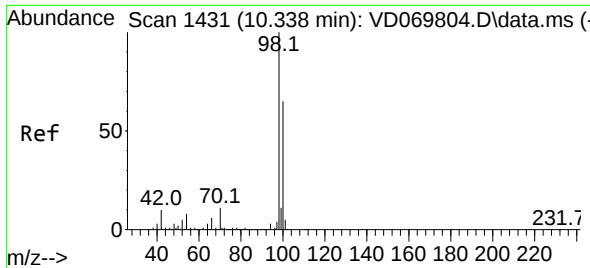
Tgt Ion: 117 Resp: 3548
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 3.206 ug/l
RT: 9.302 min Scan# 1255
Delta R.T. -0.148 min
Lab File: VD069932.D
Acq: 30 Jul 2021 12:09

Tgt Ion: 41 Resp: 129
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#

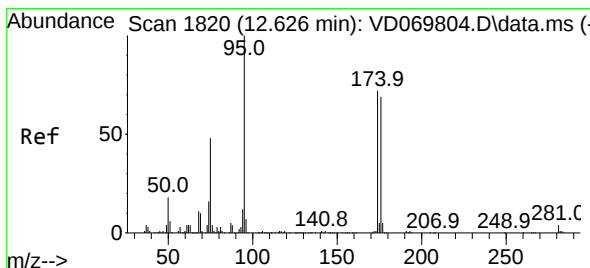
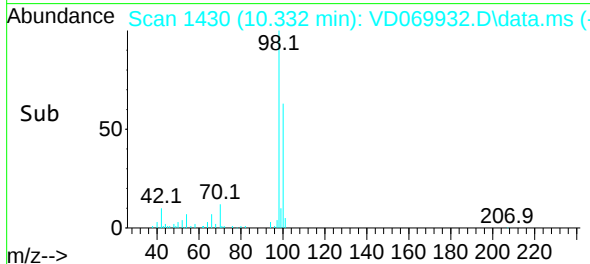
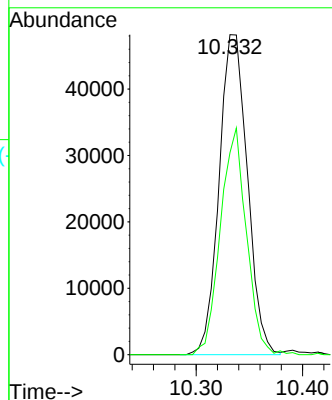
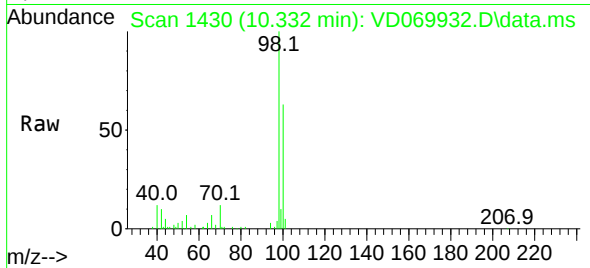




#50
Toluene-d8
Concen: 51.666 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD069932.D
Acq: 30 Jul 2021 12:09

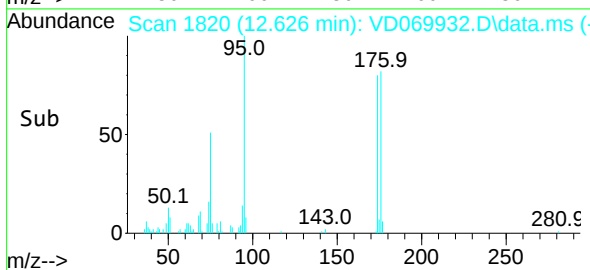
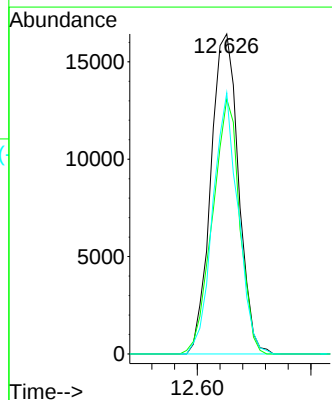
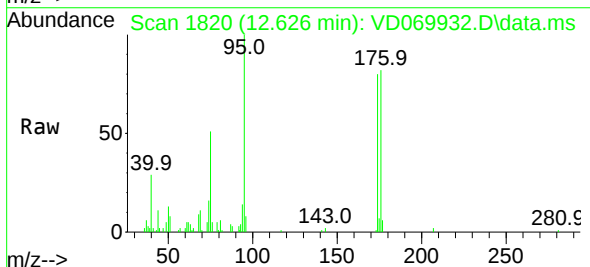
Instrument :
MSVOA_D
ClientSampleId :
MH-457-COMP

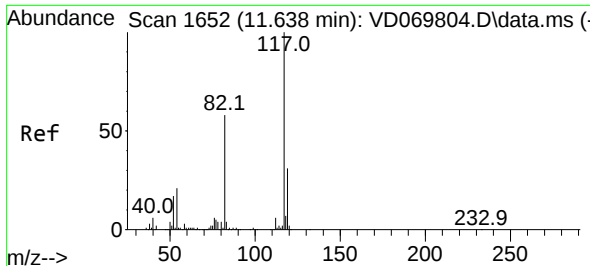
Tgt Ion: 98 Resp: 88961
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 48.329 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069932.D
Acq: 30 Jul 2021 12:09

Tgt Ion: 95 Resp: 27811
Ion Ratio Lower Upper
95 100
174 77.8 0.0 142.6
176 74.5 0.0 134.2

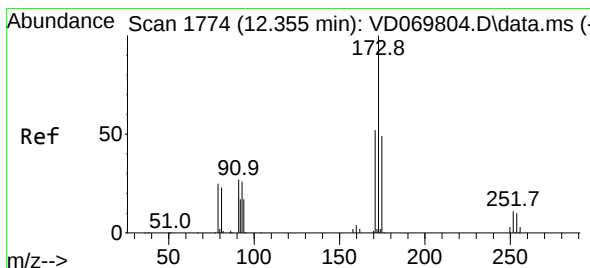
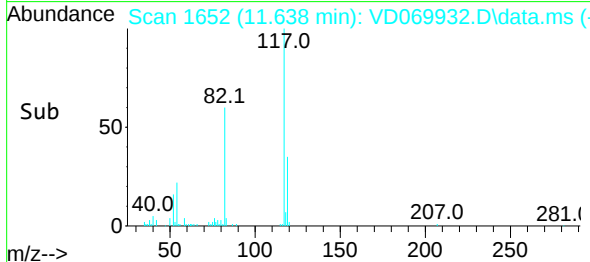
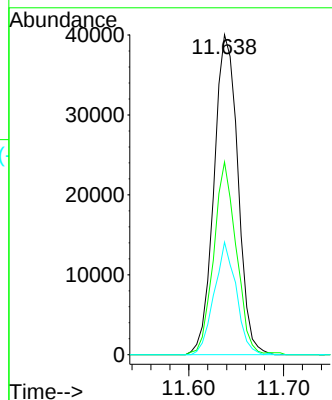
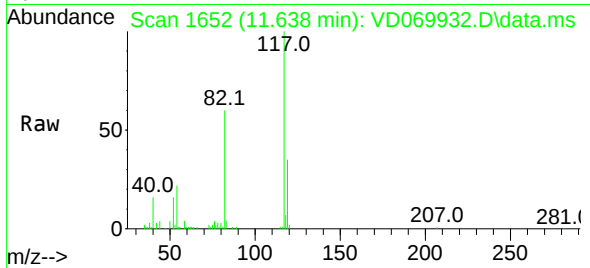




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069932.D
Acq: 30 Jul 2021 12:09

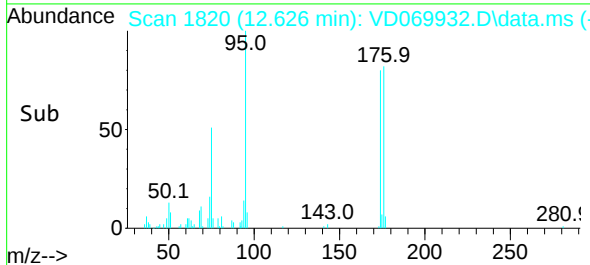
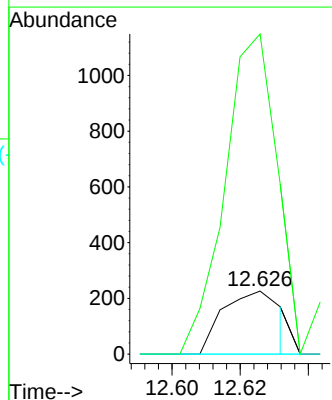
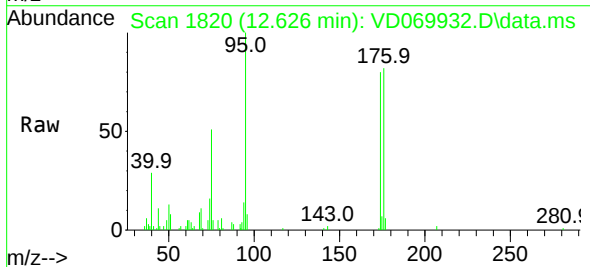
Instrument :
MSVOA_D
ClientSampleId :
MH-457-COMP

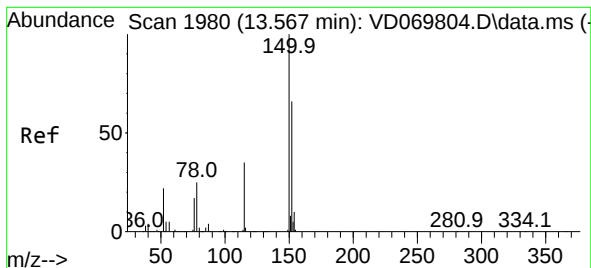
Tgt Ion:	117	Resp:	70231
Ion	Ratio	Lower	Upper
117	100		
82	60.2	46.3	69.5
119	35.1	24.7	37.1



#71
Bromoform
Concen: 1.046 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.270 min
Lab File: VD069932.D
Acq: 30 Jul 2021 12:09

Tgt Ion:	173	Resp:	266
Ion	Ratio	Lower	Upper
173	100		
175	457.1	24.1	72.3#
254	0.0	0.1	0.1#

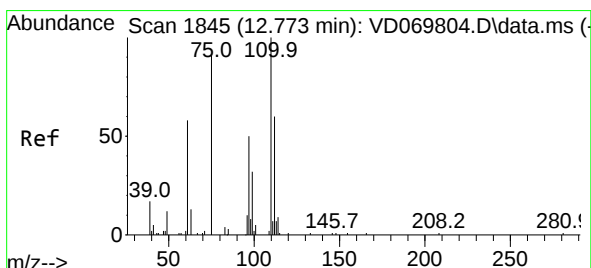
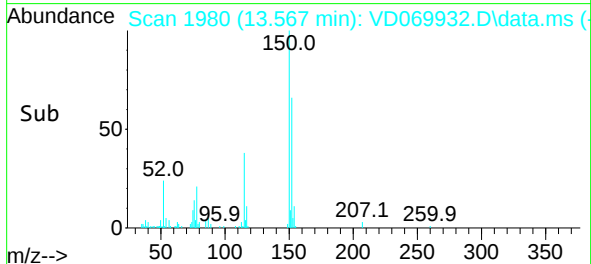
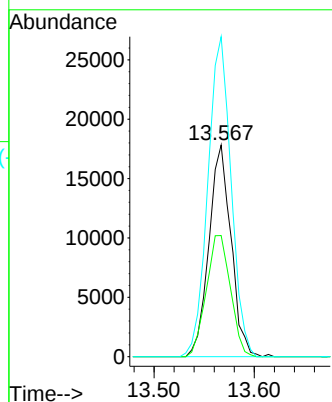
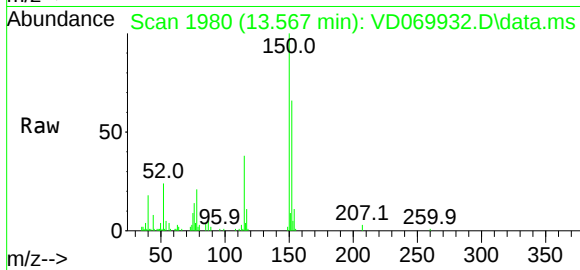




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069932.D
 Acq: 30 Jul 2021 12:09

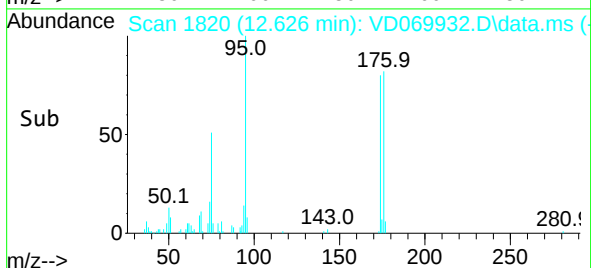
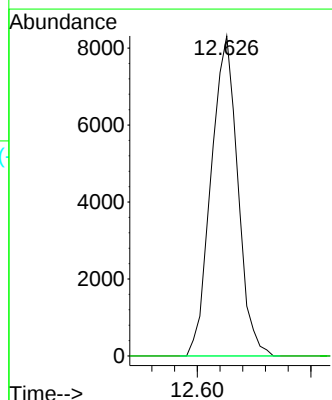
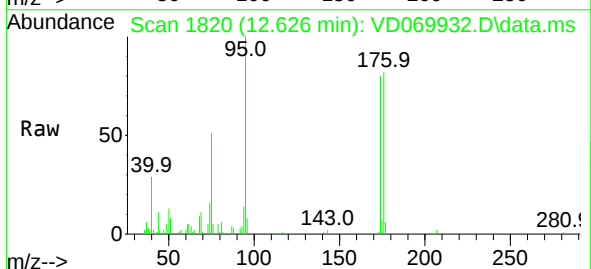
Instrument :
 MSVOA_D
 ClientSampleId :
 MH-457-COMP

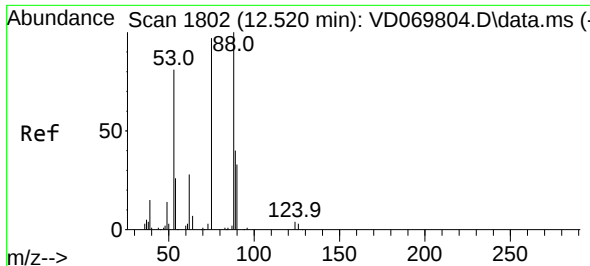
Tgt Ion:152 Resp: 27374
 Ion Ratio Lower Upper
 152 100
 115 62.4 31.1 93.3
 150 158.7 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 46.552 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069932.D
 Acq: 30 Jul 2021 12:09

Tgt Ion: 75 Resp: 13545
 Ion Ratio Lower Upper
 75 100
 77 0.0 181.5 544.5#

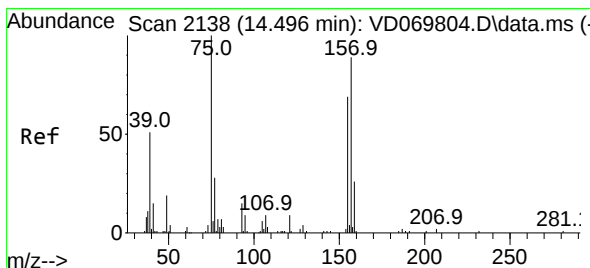
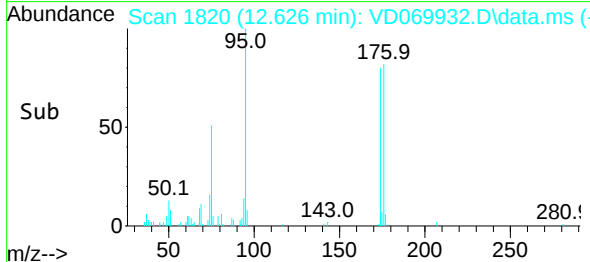
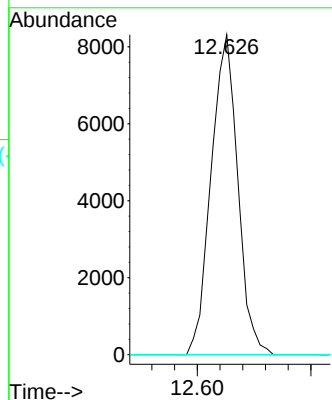
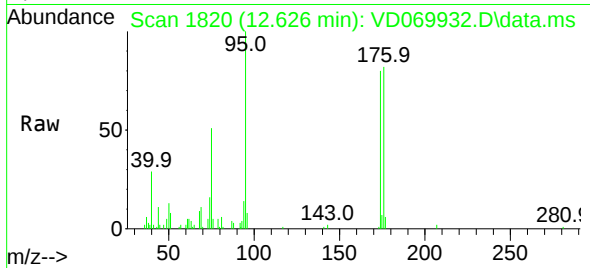




#81
trans-1,4-Dichloro-2-butene
Concen: 141.226 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069932.D
Acq: 30 Jul 2021 12:09

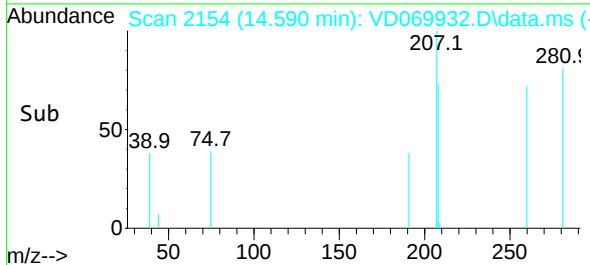
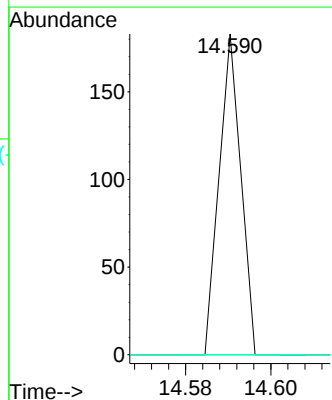
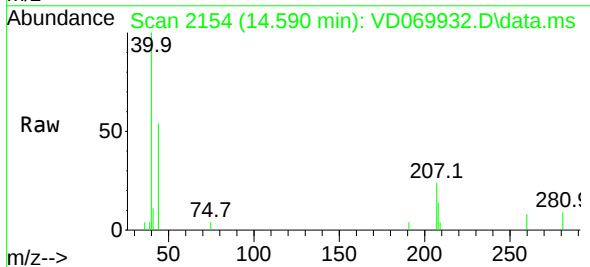
Instrument :
MSVOA_D
ClientSampleId :
MH-457-COMP

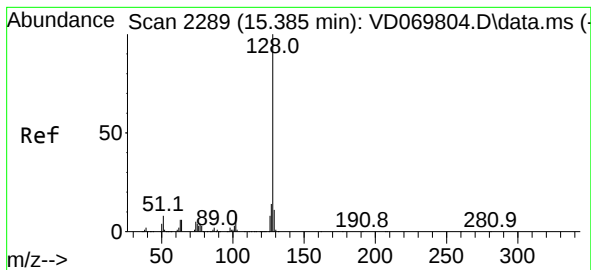
Tgt Ion: 75 Resp: 13545
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.0 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.149 ug/l
RT: 14.590 min Scan# 2154
Delta R.T. 0.094 min
Lab File: VD069932.D
Acq: 30 Jul 2021 12:09

Tgt Ion: 75 Resp: 65
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#





#95
Naphthalene
Concen: 5.388 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD069932.D
Acq: 30 Jul 2021 12:09

Instrument :
MSVOA_D
ClientSampleId :
MH-457-COMP

Tgt Ion:128 Resp: 387
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

