

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052421\
 Data File : VD069263.D
 Acq On : 24 May 2021 18:42
 Operator : VA/SY
 Sample : M2498-01RE
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB-RW8-GW-958-960RE

Quant Time: May 25 00:57:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

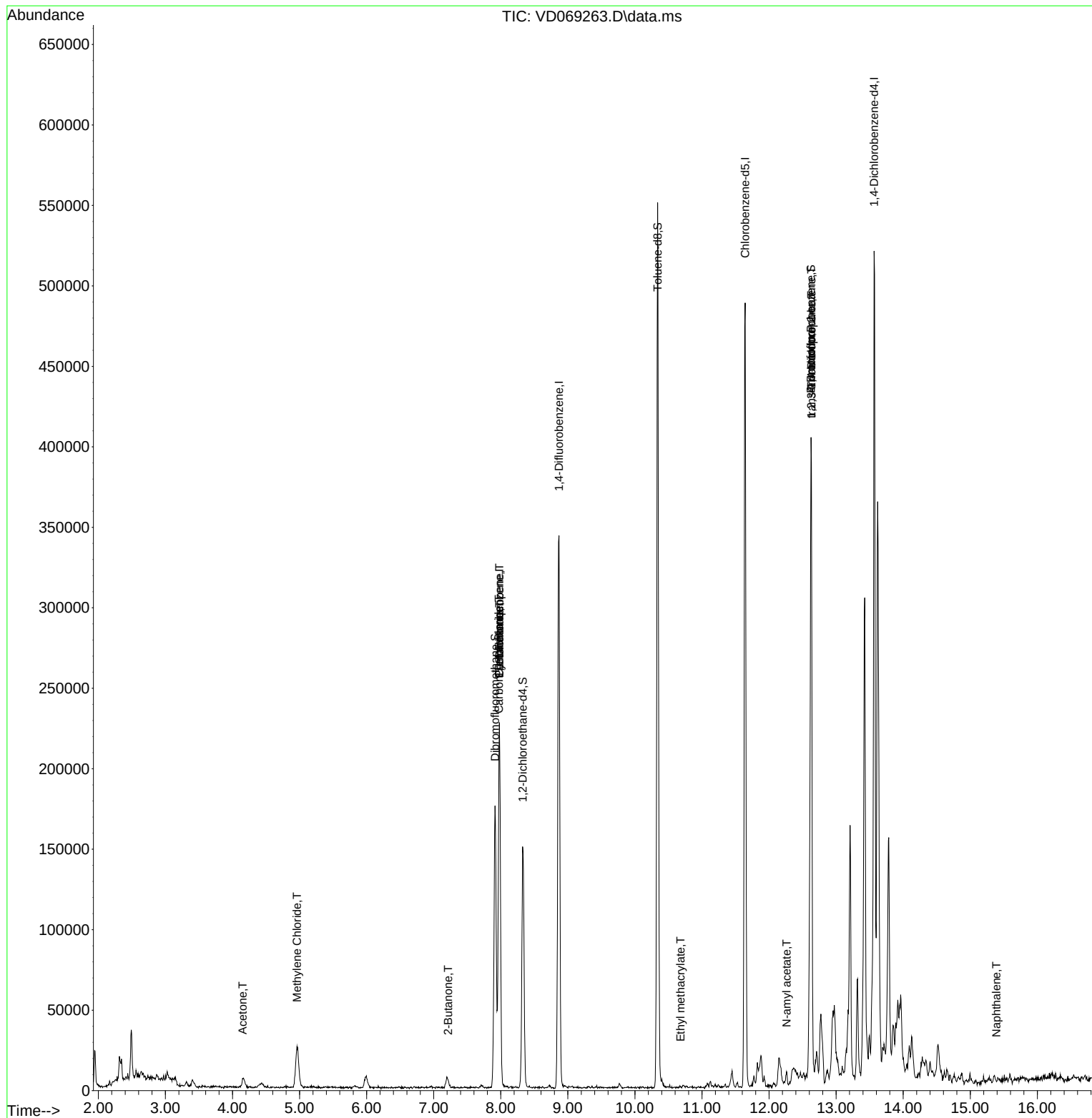
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.979	168	166171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	313330	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	289629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	130251	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	120094	72.09	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	144.18%
35) Dibromofluoromethane	7.914	113	123912	60.77	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	121.54%
50) Toluene-d8	10.338	98	370719	49.48	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.96%
62) 4-Bromofluorobenzene	12.626	95	126682	52.55	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.10%
Target Compounds						
11) Tert butyl alcohol	5.209	59	238	Below Cal	#	73
16) Acetone	4.150	43	10682	41.87	ug/l	# 82
20) Methylene Chloride	4.962	84	21349	1.47	ug/l	# 95
25) 2-Butanone	7.214	43	2028	5.87	ug/l	# 83
31) Cyclohexane	7.979	56	4362	1.77	ug/l	# 55
36) 1,1-Dichloropropene	7.979	75	13484	4.43	ug/l	# 48
38) Carbon Tetrachloride	7.973	117	16214	4.76	ug/l	# 15
49) 1,4-Dioxane	9.314	88	60	Below Cal	#	1
56) Ethyl methacrylate	10.679	69	84	1.36	ug/l	# 7
71) Bromoform	12.626	173	1186	1.01	ug/l	# 1
74) N-amyl acetate	12.261	43	2016	1.35	ug/l	# 59
76) 1,2,3-Trichloropropane	12.632	75	64414	65.79	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.632	75	64414	132.89	ug/l	# 14
95) Naphthalene	15.390	128	405	2.14	ug/l	# 69

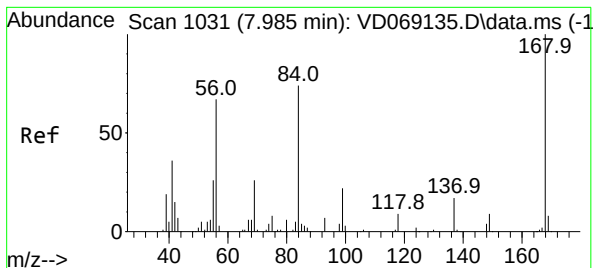
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD069263.D

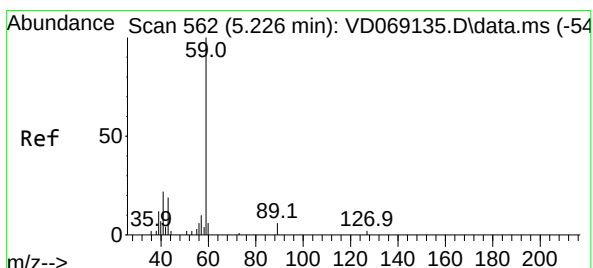
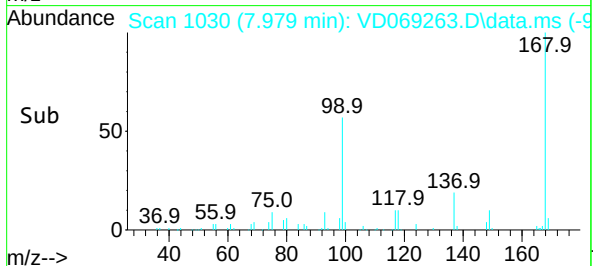
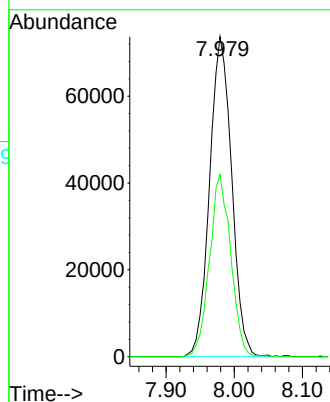
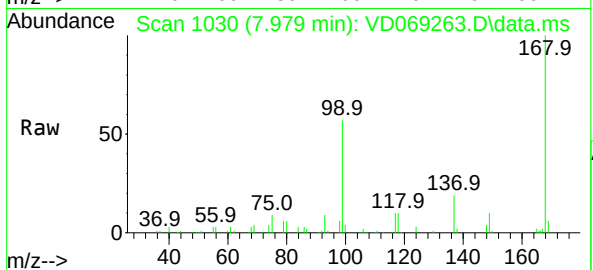
Acq: 24 May 2021 18:42

Tgt Ion:168 Resp: 166171

Ion Ratio Lower Upper

168 100

99 57.0 47.2 70.8



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.209 min Scan# 559

Delta R.T. -0.017 min

Lab File: VD069263.D

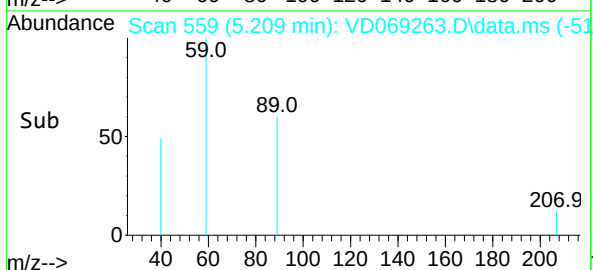
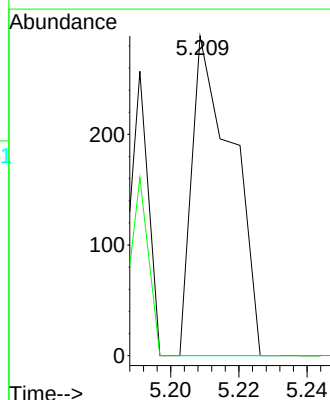
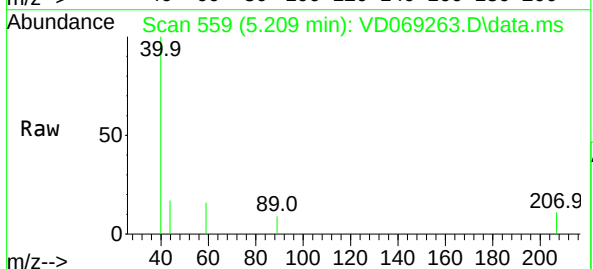
Acq: 24 May 2021 18:42

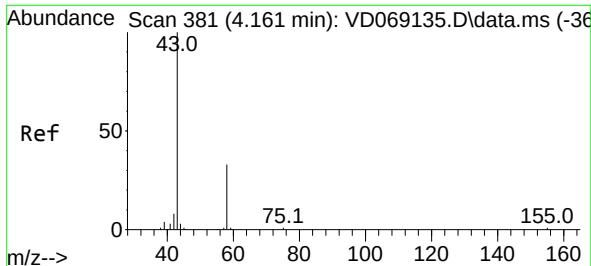
Tgt Ion: 59 Resp: 238

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

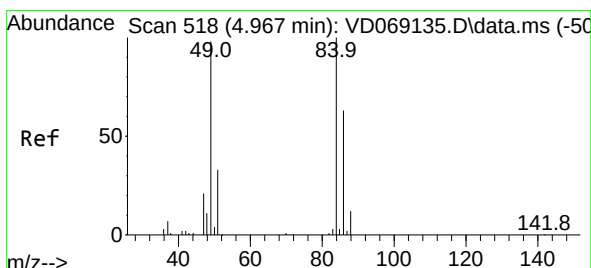
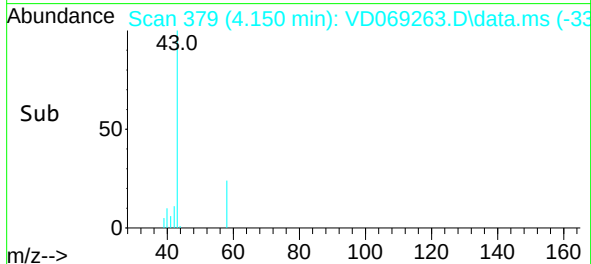
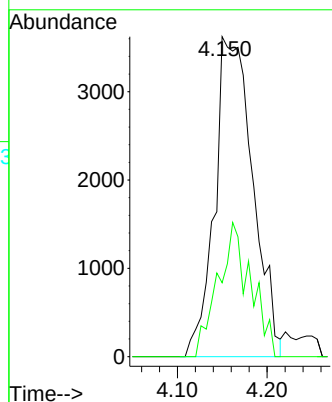
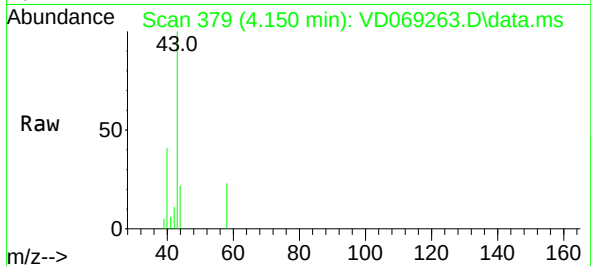




#16
Acetone
Concen: 41.87 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.011 min
Lab File: VD069263.D
Acq: 24 May 2021 18:42

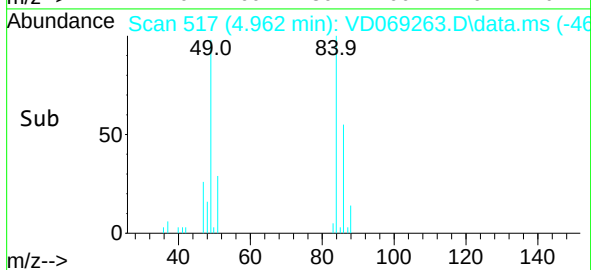
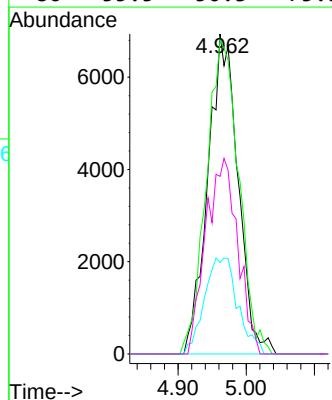
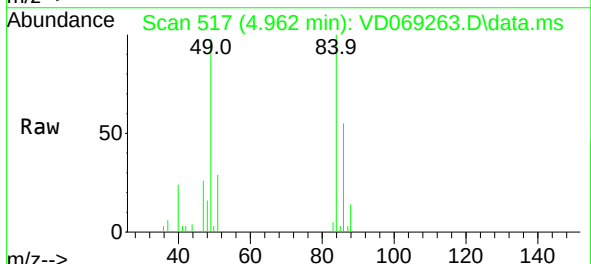
Instrument :
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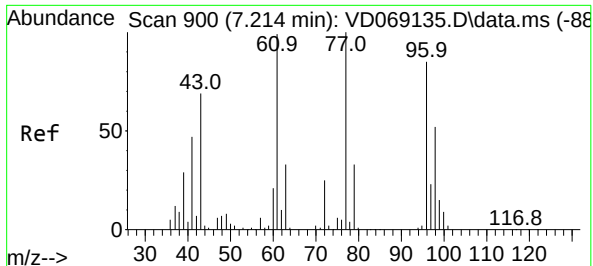
Tgt Ion: 43 Resp: 10682
Ion Ratio Lower Upper
43 100
58 23.1 26.7 40.1#



#20
Methylene Chloride
Concen: 1.47 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.005 min
Lab File: VD069263.D
Acq: 24 May 2021 18:42

Tgt Ion: 84 Resp: 21349
Ion Ratio Lower Upper
84 100
49 98.1 78.6 117.8
51 28.5 26.7 40.1
86 55.5 50.3 75.5

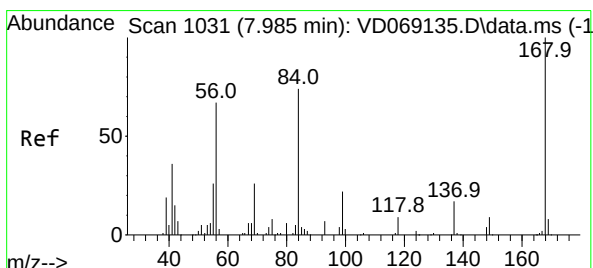
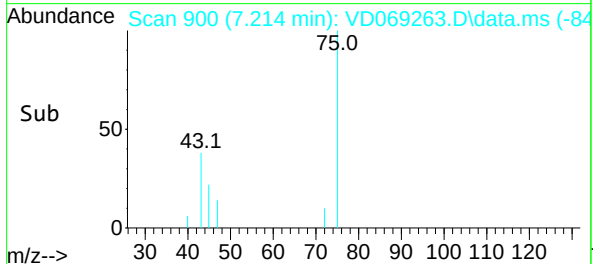
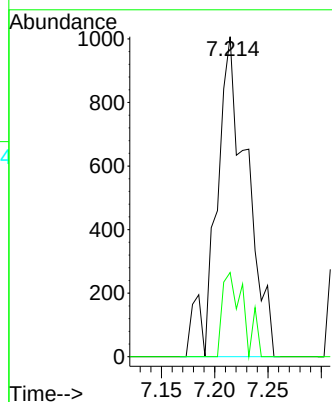
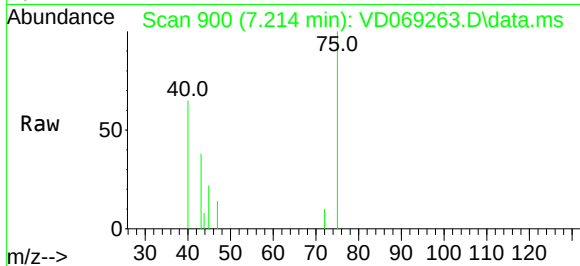




#25
2-Butanone
Concen: 5.87 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD069263.D
Acq: 24 May 2021 18:42

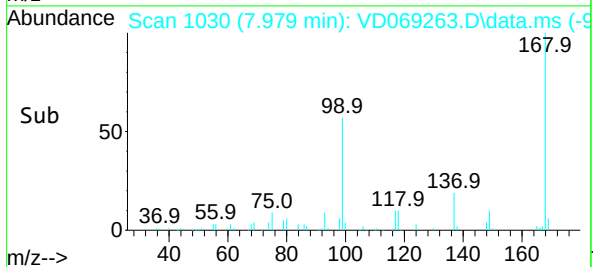
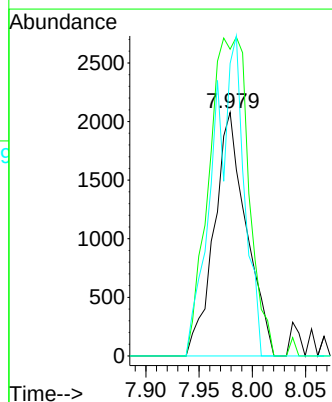
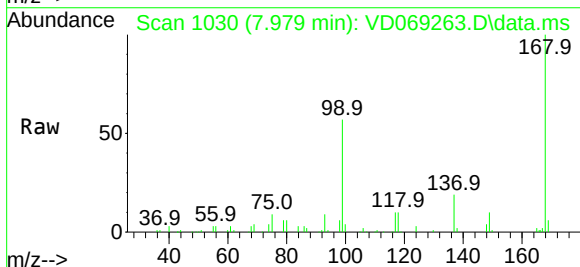
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-958-960RE

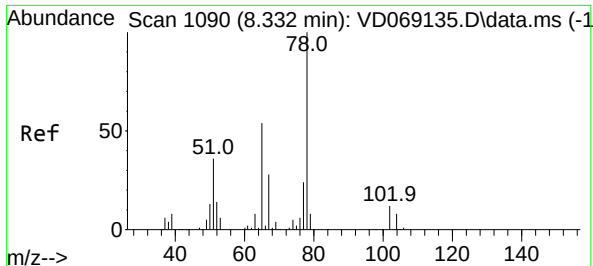
Tgt Ion: 43 Resp: 2028
Ion Ratio Lower Upper
43 100
72 26.3 29.1 43.7#



#31
Cyclohexane
Concen: 1.77 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069263.D
Acq: 24 May 2021 18:42

Tgt Ion: 56 Resp: 4362
Ion Ratio Lower Upper
56 100
69 126.0 30.6 46.0#
84 120.1 88.0 132.0

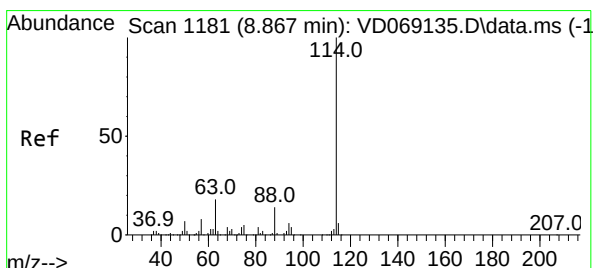
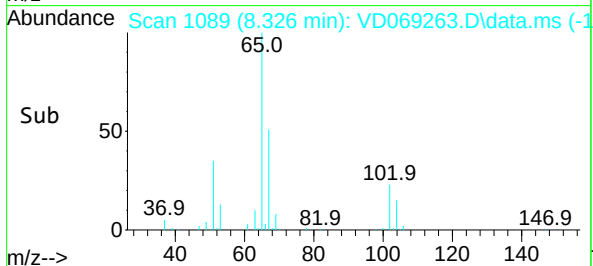
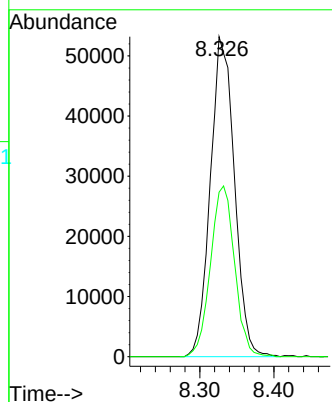
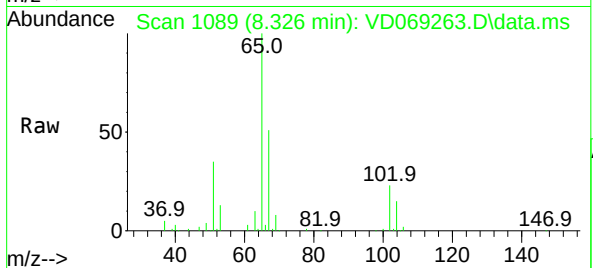




#33
1,2-Dichloroethane-d4
Concen: 72.09 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069263.D
Acq: 24 May 2021 18:42

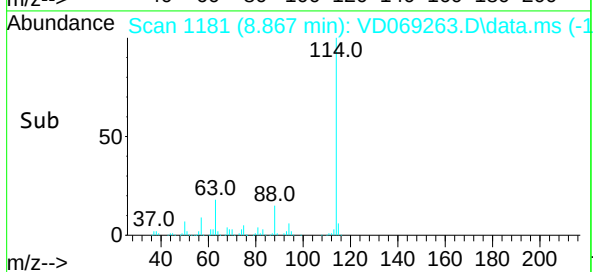
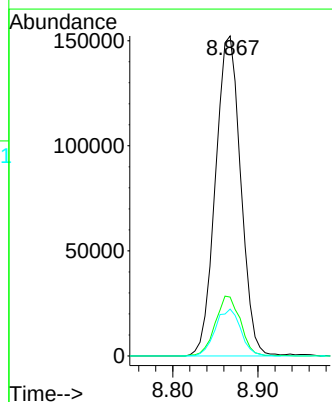
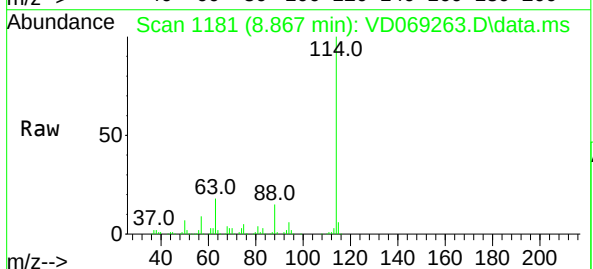
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-958-960RE

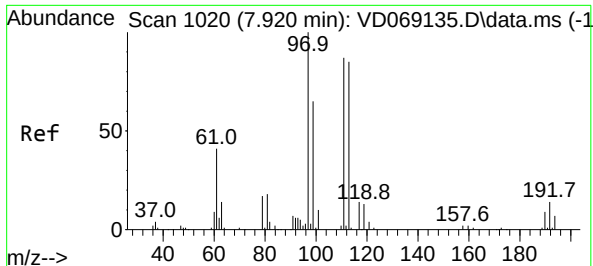
Tgt Ion: 65 Resp: 120094
Ion Ratio Lower Upper
65 100
67 53.4 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069263.D
Acq: 24 May 2021 18:42

Tgt Ion: 114 Resp: 313330
Ion Ratio Lower Upper
114 100
63 18.4 0.0 36.4
88 14.7 0.0 28.2





#35

Dibromofluoromethane

Concen: 60.77 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD069263.D

Acq: 24 May 2021 18:42

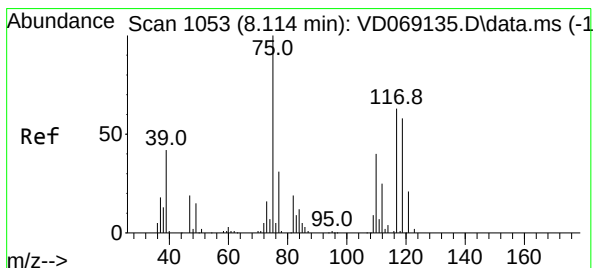
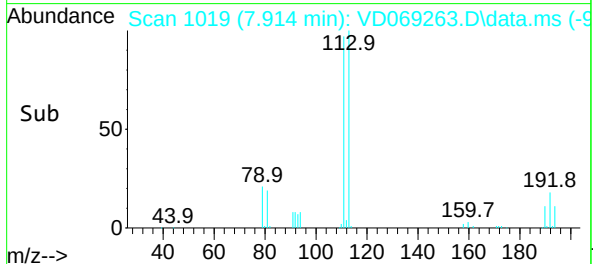
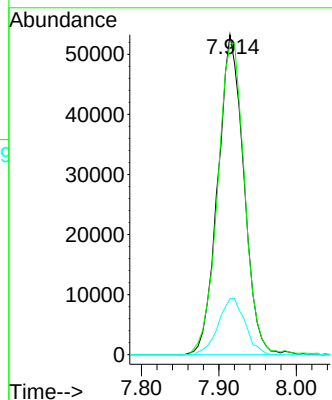
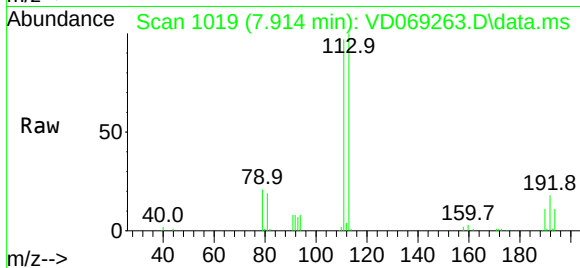
Tgt Ion:113 Resp: 123912

Ion Ratio Lower Upper

113 100

111 101.9 80.6 120.8

192 18.3 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.43 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD069263.D

Acq: 24 May 2021 18:42

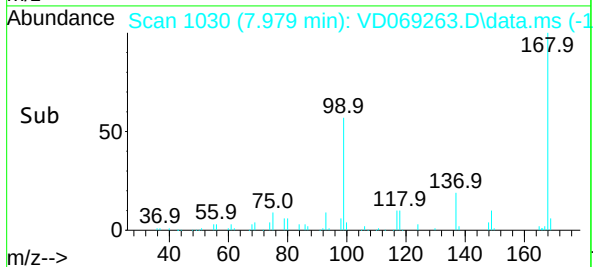
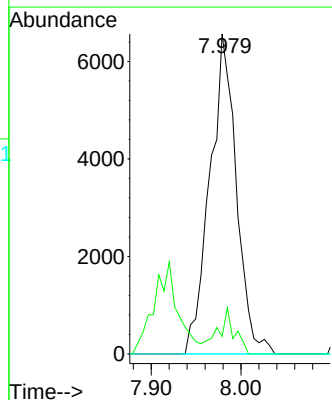
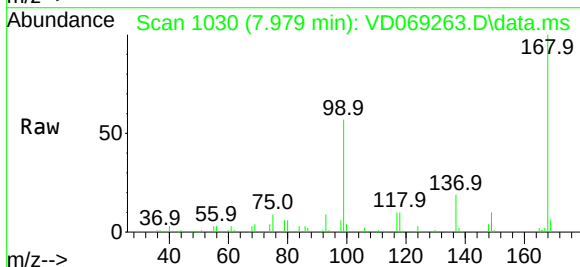
Tgt Ion: 75 Resp: 13484

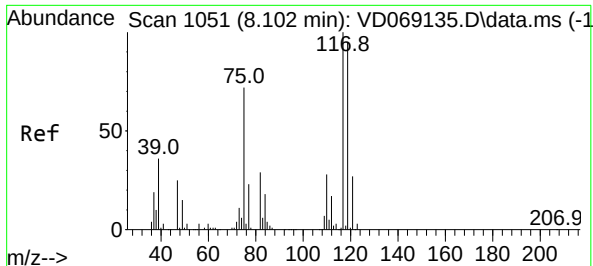
Ion Ratio Lower Upper

75 100

110 9.1 18.8 56.4#

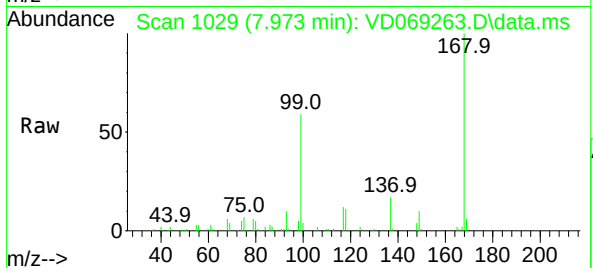
77 0.0 25.2 37.8#



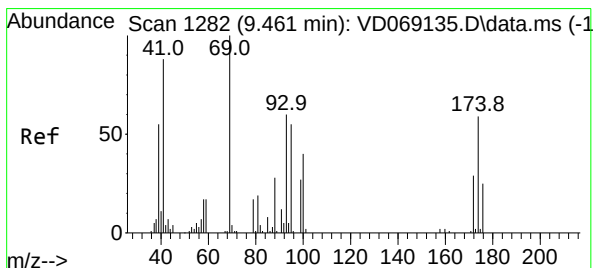
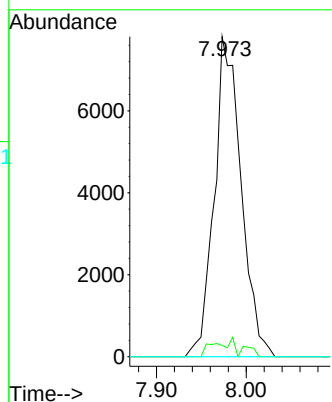
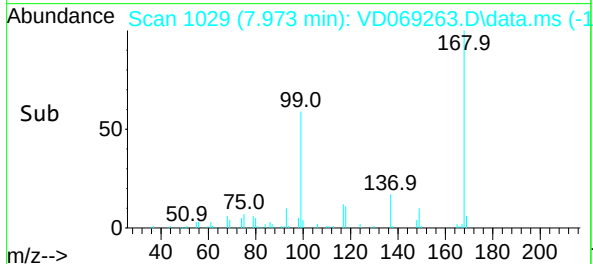


#38
Carbon Tetrachloride
Concen: 4.76 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.129 min
Lab File: VD069263.D
Acq: 24 May 2021 18:42

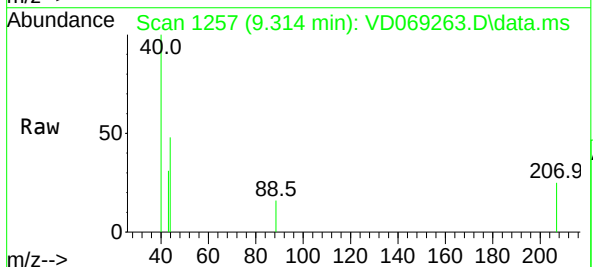
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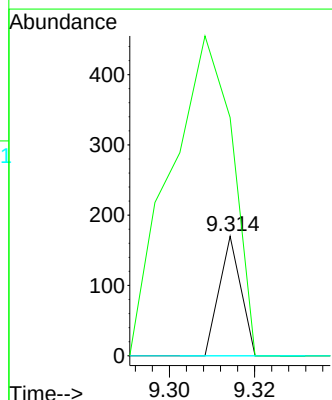
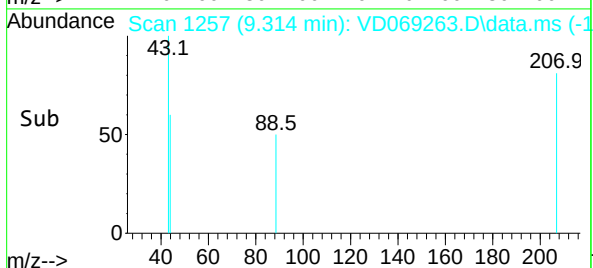
Tgt Ion: 117 Resp: 16214
Ion Ratio Lower Upper
117 100
119 3.6 76.2 114.2#
121 0.0 21.9 32.9#

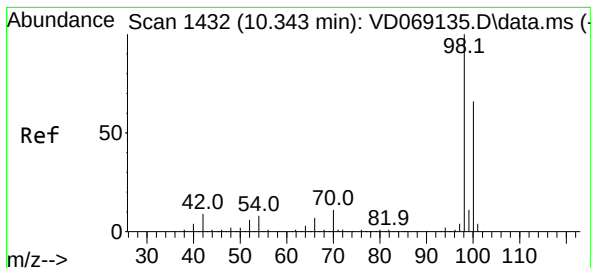


#49
1,4-Dioxane
Concen: Below Cal
RT: 9.314 min Scan# 1257
Delta R.T. -0.147 min
Lab File: VD069263.D
Acq: 24 May 2021 18:42



Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 765.0 26.7 40.1#
58 0.0 45.8 68.6#

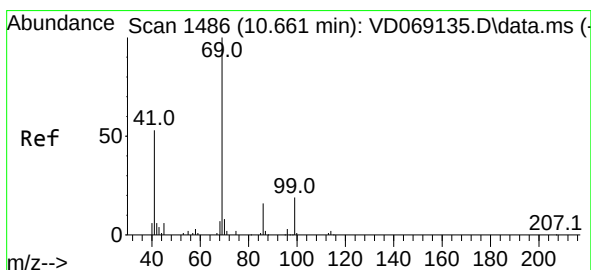
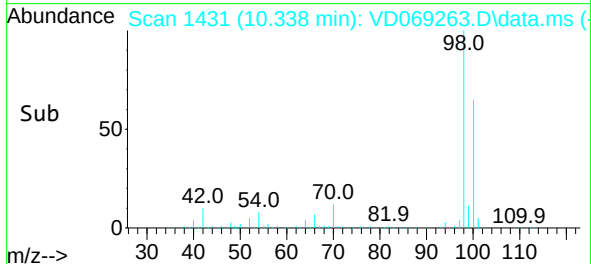
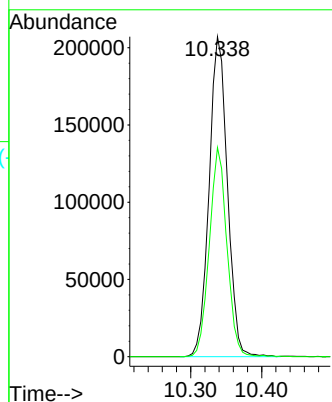
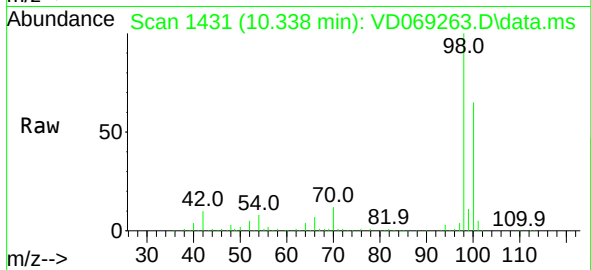




#50
Toluene-d8
Concen: 49.48 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD069263.D
Acq: 24 May 2021 18:42

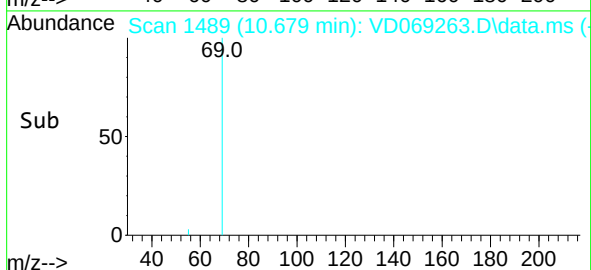
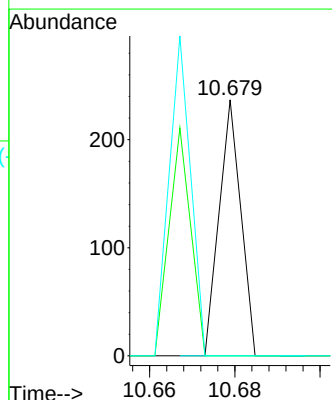
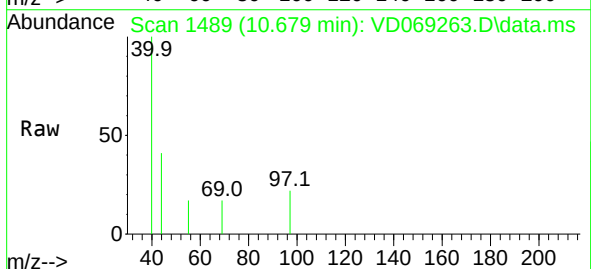
Instrument :
MSVOA_D
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BP-VPB-RW8-GW-958-960RE

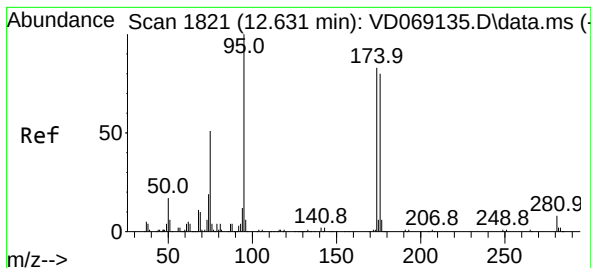
Tgt Ion: 98 Resp: 370719
Ion Ratio Lower Upper
98 100
100 62.9 51.8 77.8



#56
Ethyl methacrylate
Concen: 1.36 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.018 min
Lab File: VD069263.D
Acq: 24 May 2021 18:42

Tgt Ion: 69 Resp: 84
Ion Ratio Lower Upper
69 100
41 88.1 42.2 63.2#
39 123.8 26.3 39.5#

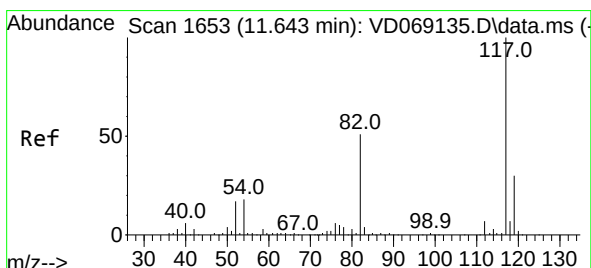
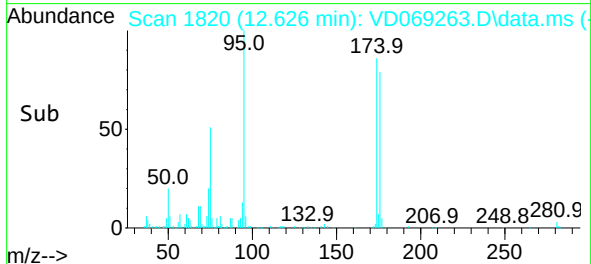
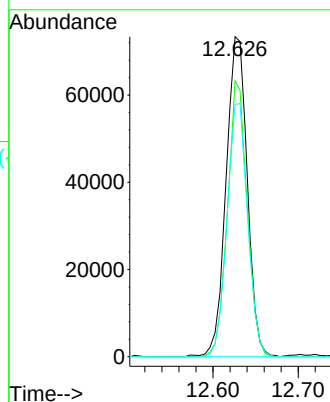
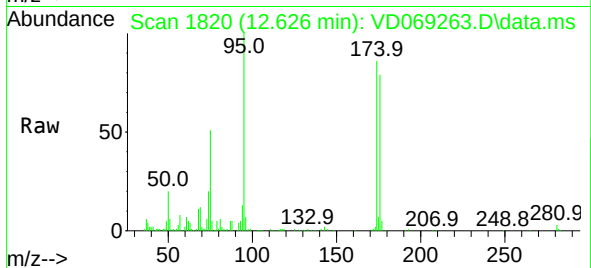




#62
4-Bromofluorobenzene
Concen: 52.55 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD069263.D
Acq: 24 May 2021 18:42

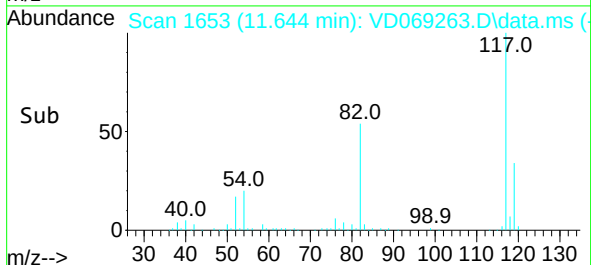
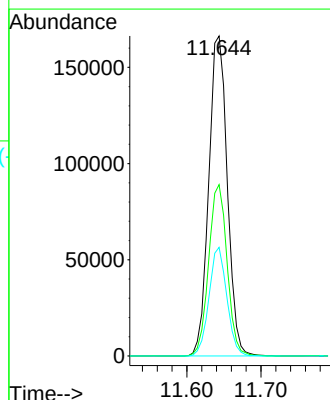
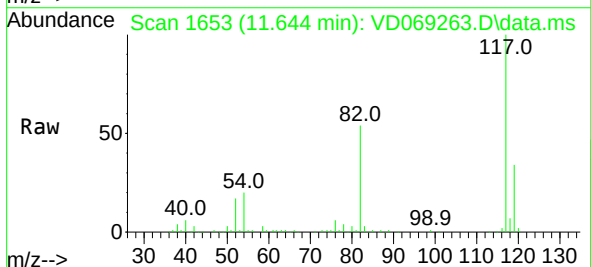
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-958-960RE

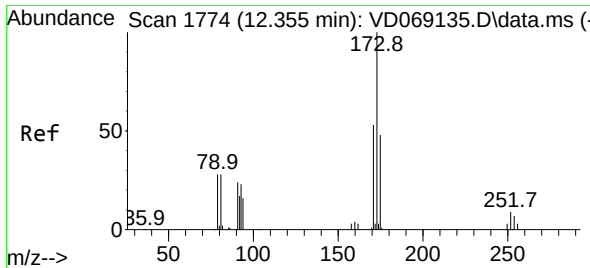
Tgt Ion: 95 Resp: 126682
Ion Ratio Lower Upper
95 100
174 80.3 0.0 171.8
176 77.0 0.0 165.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069263.D
Acq: 24 May 2021 18:42

Tgt Ion: 117 Resp: 289629
Ion Ratio Lower Upper
117 100
82 53.6 40.5 60.7
119 34.0 24.2 36.4

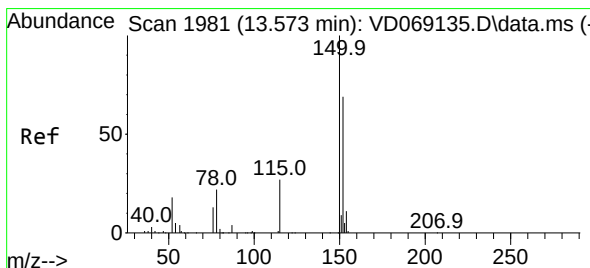
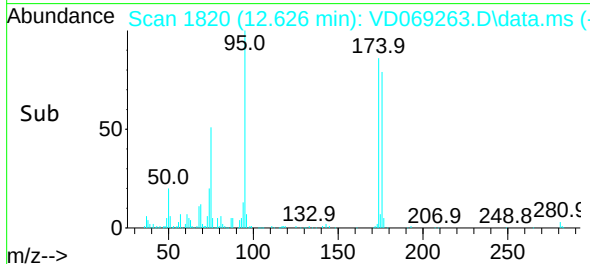
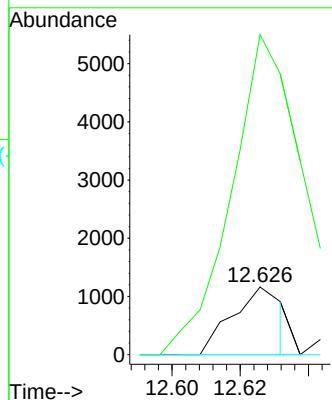
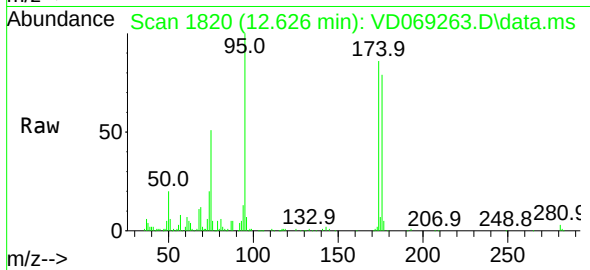




#71
Bromoform
Concen: 1.01 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069263.D
Acq: 24 May 2021 18:42

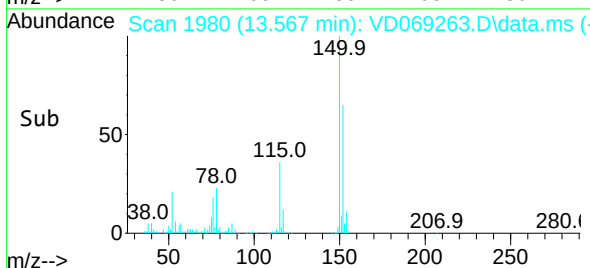
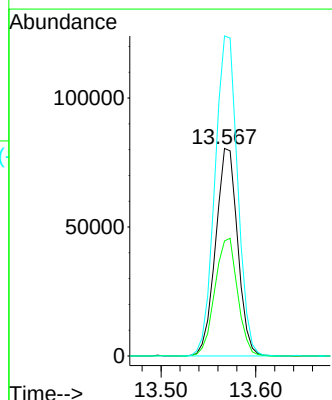
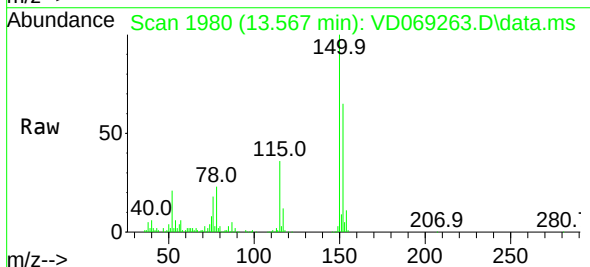
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-958-960RE

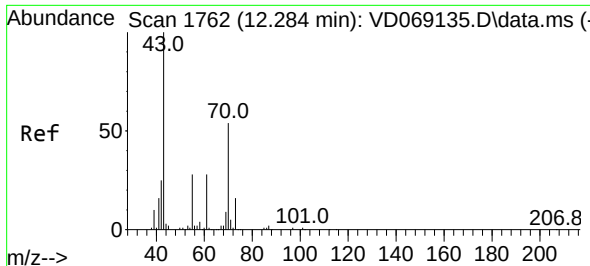
Tgt Ion:173 Resp: 1186
Ion Ratio Lower Upper
173 100
175 501.3 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD069263.D
Acq: 24 May 2021 18:42

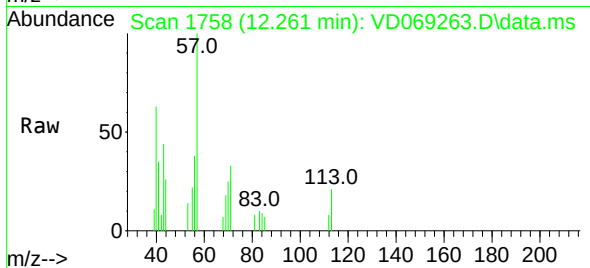
Tgt Ion:152 Resp: 130251
Ion Ratio Lower Upper
152 100
115 58.4 29.9 89.8
150 158.7 0.0 350.2



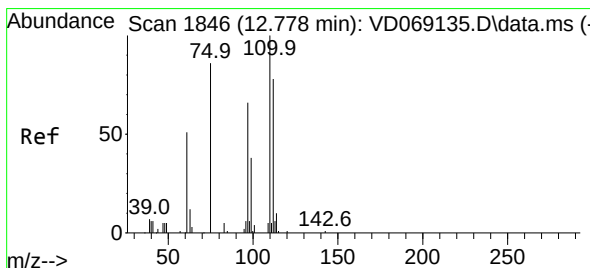
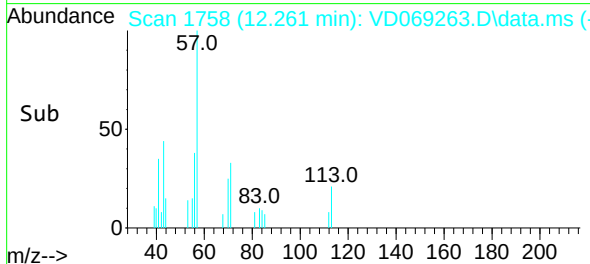
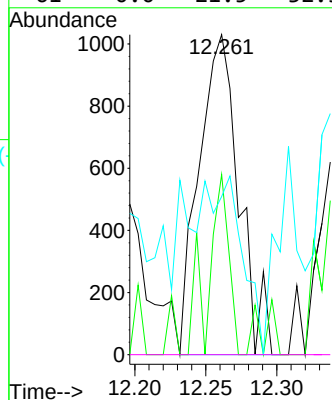


#74
N-amy1 acetate
Concen: 1.35 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.023 min
Lab File: VD069263.D
Acq: 24 May 2021 18:42

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-958-960RE

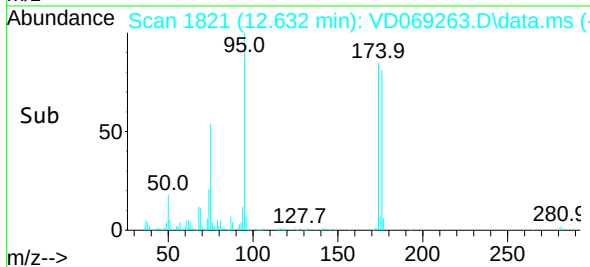
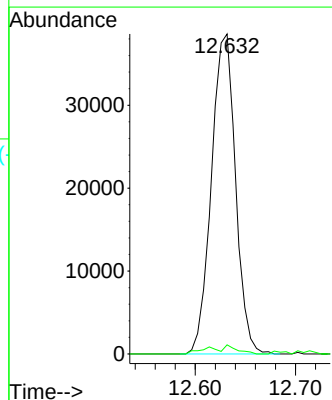
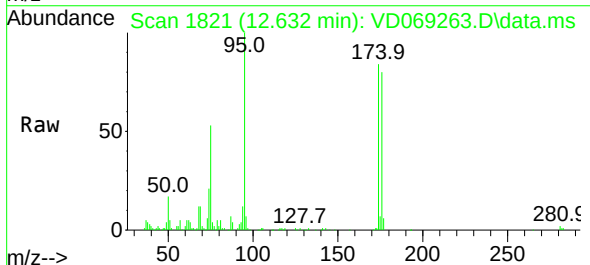


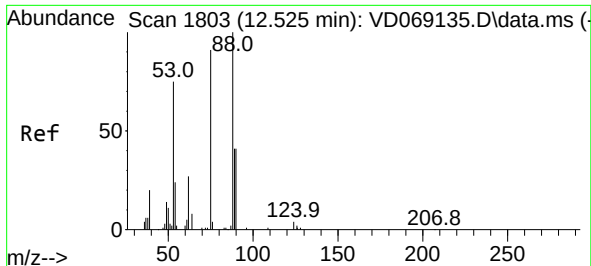
Tgt Ion:	43	Resp:	2016
Ion	Ratio	Lower	Upper
43	100		
70	29.0	41.6	62.4#
55	51.8	22.6	34.0#
61	0.0	21.5	32.3#



#76
1,2,3-Trichloropropane
Concen: 65.79 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD069263.D
Acq: 24 May 2021 18:42

Tgt Ion:	75	Resp:	64414
Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0#

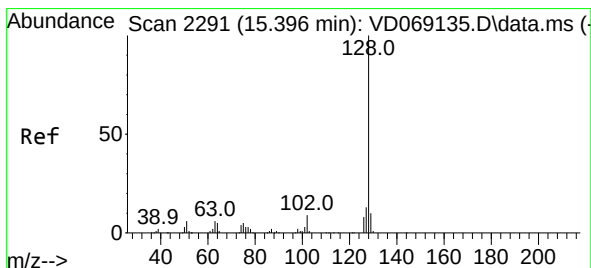
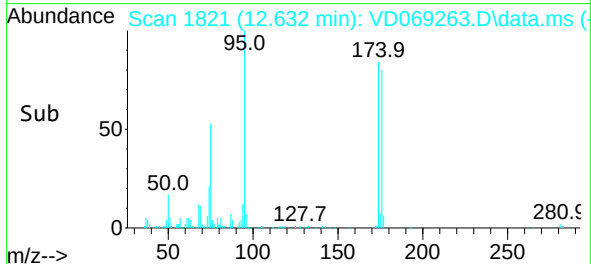
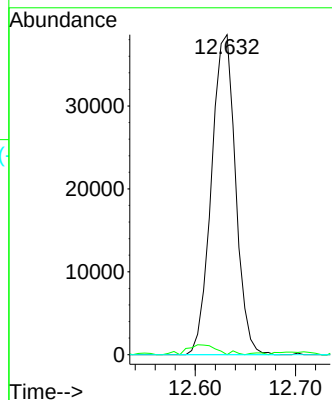
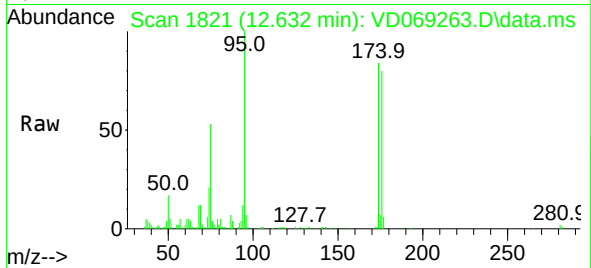




#81
trans-1,4-Dichloro-2-butene
Concen: 132.89 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD069263.D
Acq: 24 May 2021 18:42

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-958-960RE

Tgt Ion: 75 Resp: 64414
Ion Ratio Lower Upper
75 100
53 0.0 70.0 105.0#
89 0.0 40.2 60.2#



#95
Naphthalene
Concen: 2.14 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069263.D
Acq: 24 May 2021 18:42

Tgt Ion:128 Resp: 405
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

