

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052121\
 Data File : VD069236.D
 Acq On : 21 May 2021 14:00
 Operator : VA/SY
 Sample : M2472-10
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB-RW8-GW-888-890

Quant Time: May 22 00:33:18 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)

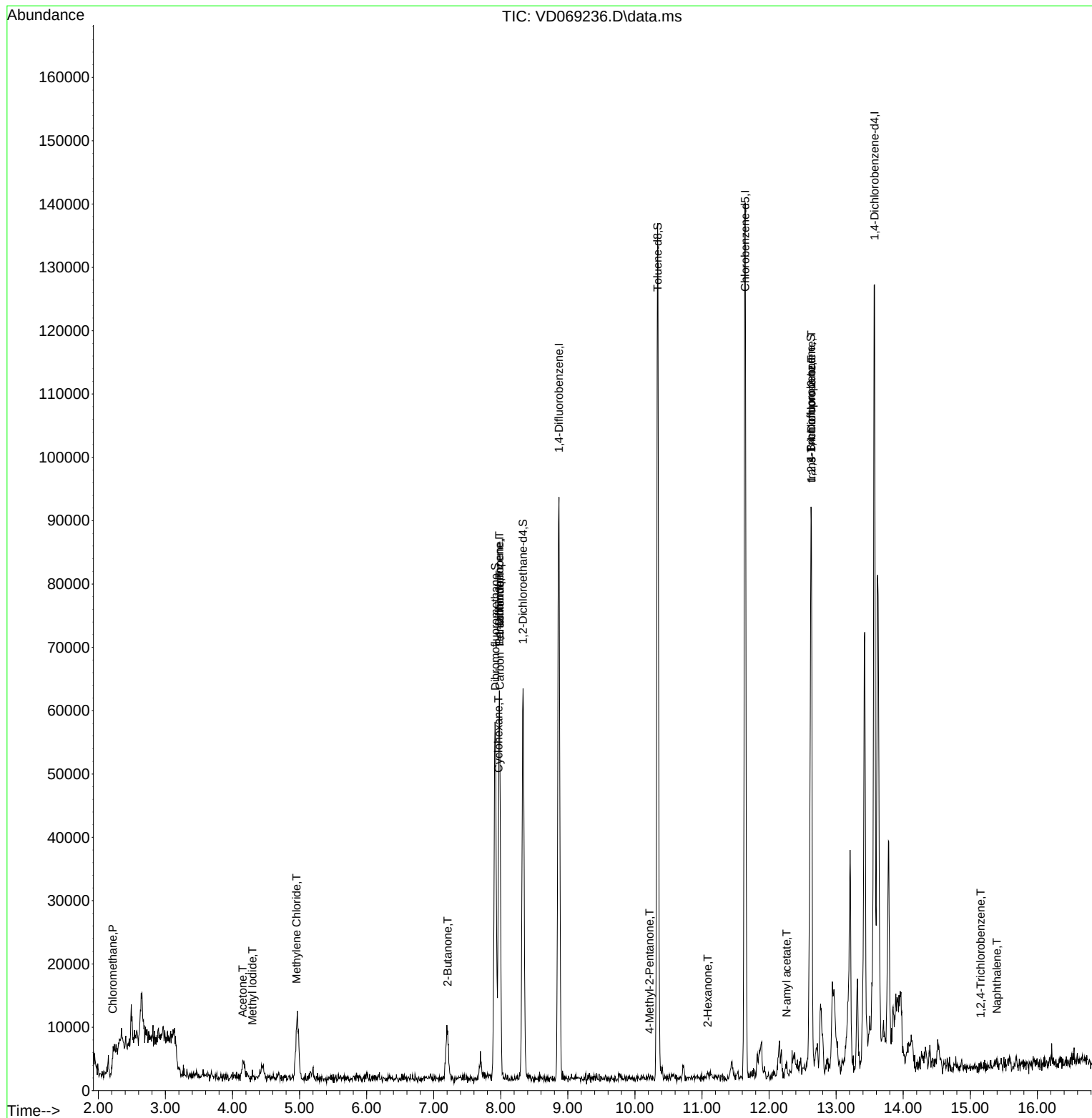
Internal Standards						
1) Pentafluorobenzene	7.979	168	43833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	79194	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	83985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	31180	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	47134	107.26	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	214.52%#
35) Dibromofluoromethane	7.920	113	38758	75.20	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	150.40%#
50) Toluene-d8	10.338	98	92953	49.09	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.18%
62) 4-Bromofluorobenzene	12.626	95	27978	45.92	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.84%
Target Compounds						
					Qvalue	
3) Chloromethane	2.215	50	752	1.40	ug/l	92
10) Methyl Iodide	4.297	142	197	1.30	ug/l #	38
11) Tert butyl alcohol	5.226	59	75	Below Cal	#	73
16) Acetone	4.150	43	2675	39.75	ug/l	99
20) Methylene Chloride	4.956	84	8377	7.60	ug/l #	71
25) 2-Butanone	7.208	43	747	8.19	ug/l #	38
31) Cyclohexane	7.967	56	1404	2.16	ug/l #	21
36) 1,1-Dichloropropene	7.979	75	3953	5.13	ug/l #	43
38) Carbon Tetrachloride	7.985	117	4140	4.81	ug/l #	12
51) 4-Methyl-2-Pentanone	10.220	43	249	1.08	ug/l	92
59) 2-Hexanone	11.085	43	210	1.36	ug/l #	19
74) N-amyl acetate	12.261	43	601	1.69	ug/l #	69
76) 1,2,3-Trichloropropane	12.632	75	14599	62.29	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	14599	125.82	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.155	180	555	1.01	ug/l #	53
95) Naphthalene	15.396	128	1400	3.36	ug/l #	69

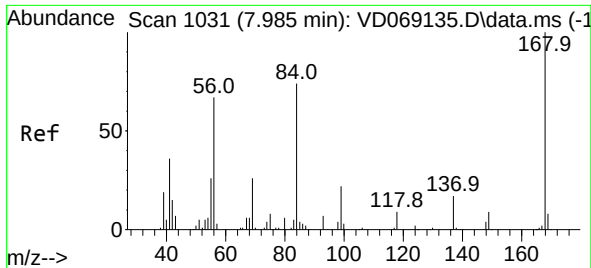
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

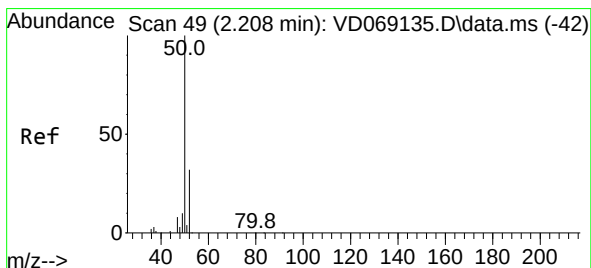
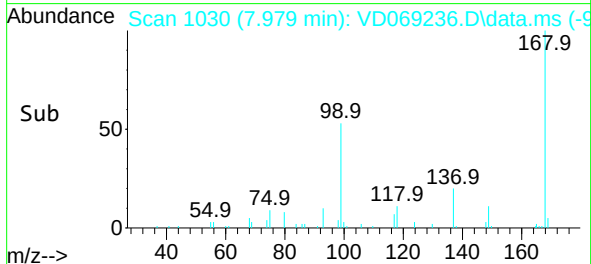
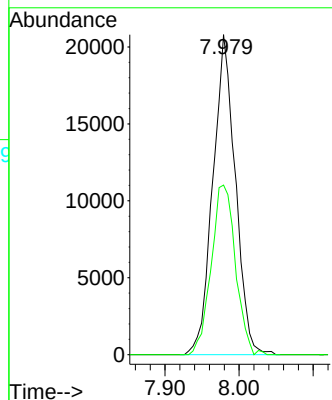
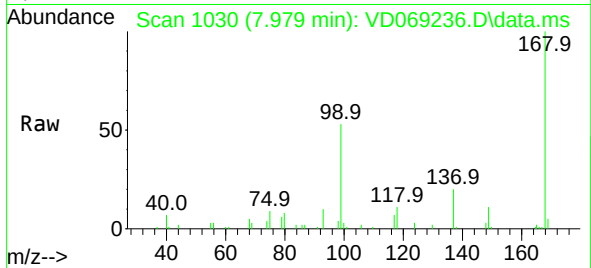




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069236.D
Acq: 21 May 2021 14:00

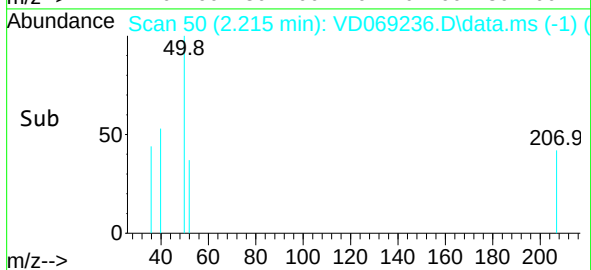
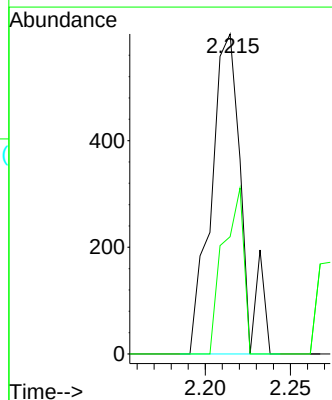
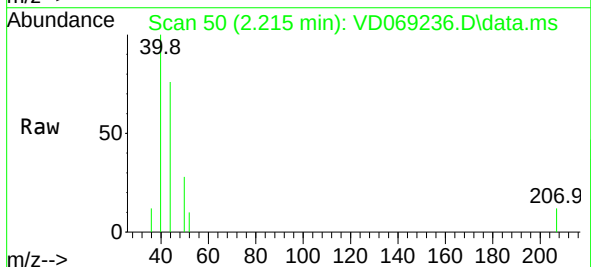
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-888-890

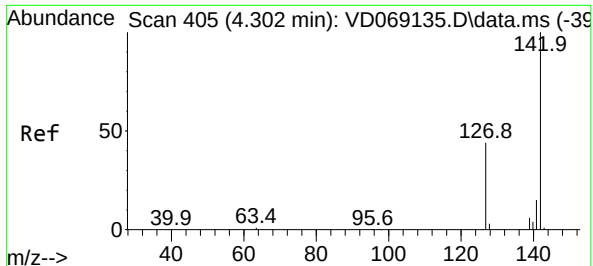
Tgt Ion:168 Resp: 43833
Ion Ratio Lower Upper
168 100
99 53.0 47.2 70.8



#3
Chloromethane
Concen: 1.40 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD069236.D
Acq: 21 May 2021 14:00

Tgt Ion: 50 Resp: 752
Ion Ratio Lower Upper
50 100
52 36.7 25.8 38.8

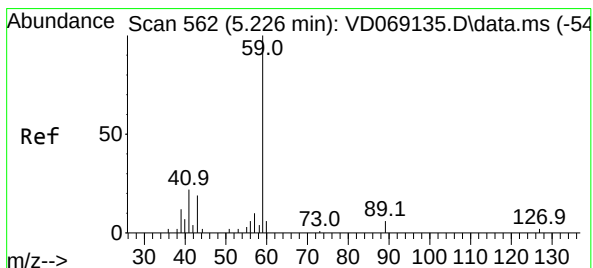
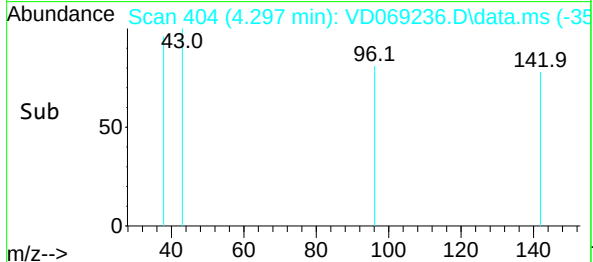
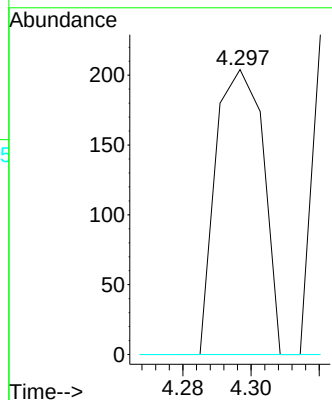
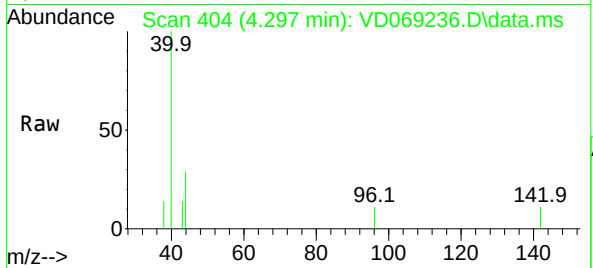




#10
Methyl Iodide
Concen: 1.30 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.005 min
Lab File: VD069236.D
Acq: 21 May 2021 14:00

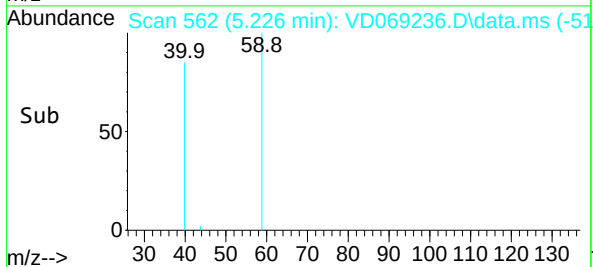
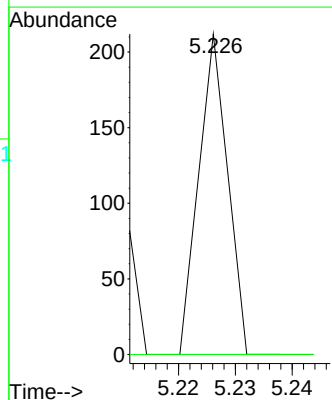
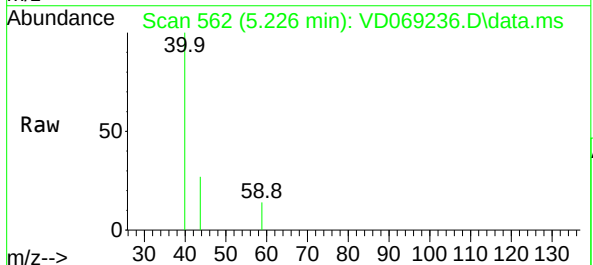
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BP-VPB-RW8-GW-888-890

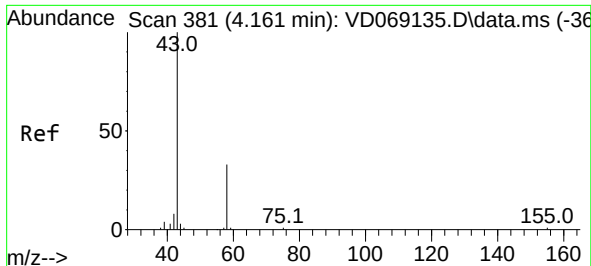
Tgt Ion:142 Resp: 197
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 12.2 18.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.226 min Scan# 562
Delta R.T. 0.000 min
Lab File: VD069236.D
Acq: 21 May 2021 14:00

Tgt Ion: 59 Resp: 75
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

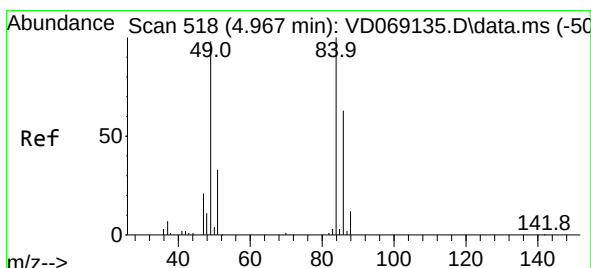
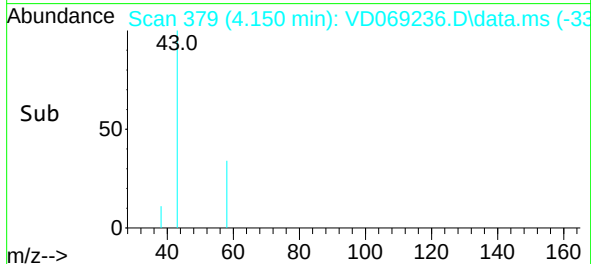
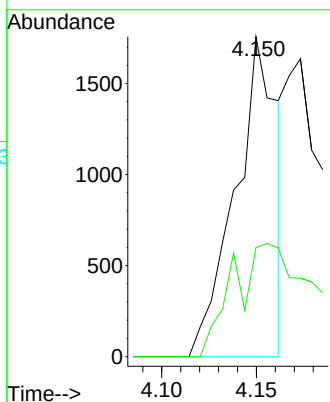
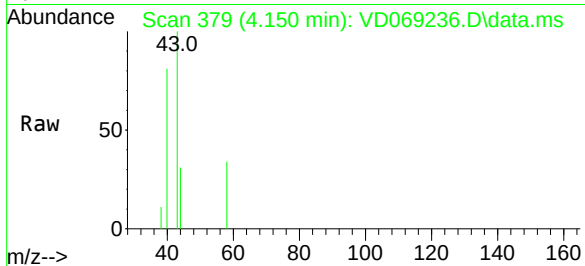




#16
Acetone
Concen: 39.75 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.012 min
Lab File: VD069236.D
Acq: 21 May 2021 14:00

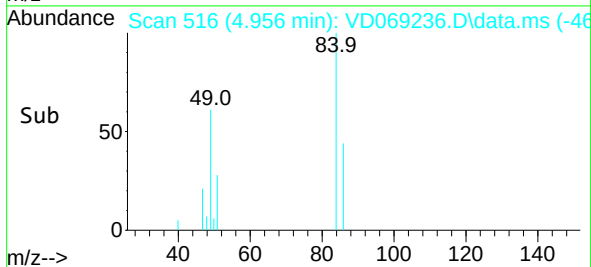
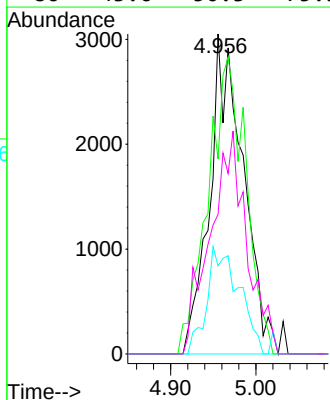
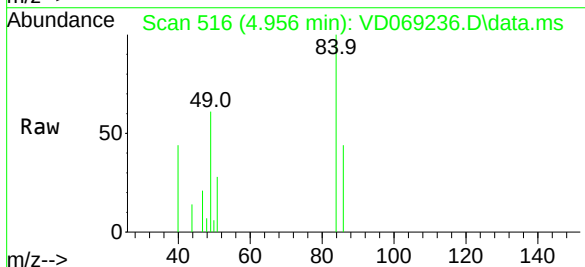
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-888-890

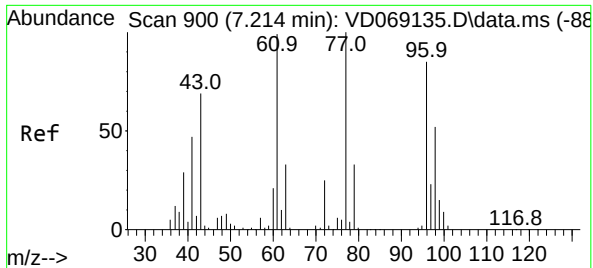
Tgt Ion: 43 Resp: 2675
Ion Ratio Lower Upper
43 100
58 34.1 26.7 40.1



#20
Methylene Chloride
Concen: 7.60 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.011 min
Lab File: VD069236.D
Acq: 21 May 2021 14:00

Tgt Ion: 84 Resp: 8377
Ion Ratio Lower Upper
84 100
49 60.9 78.6 117.8#
51 27.6 26.7 40.1
86 43.6 50.3 75.5#

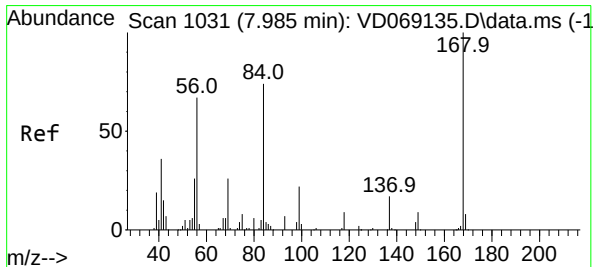
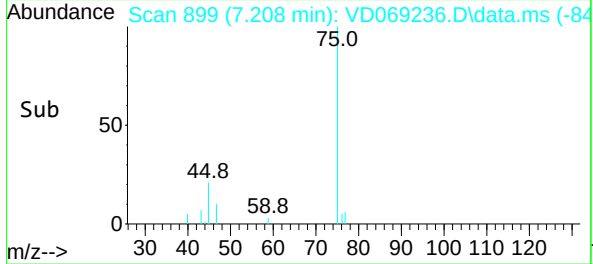
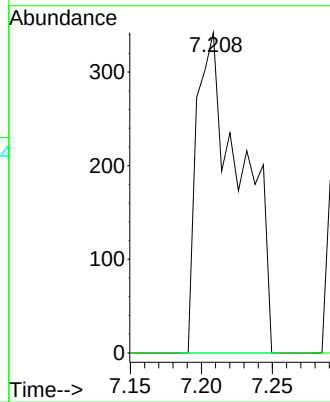
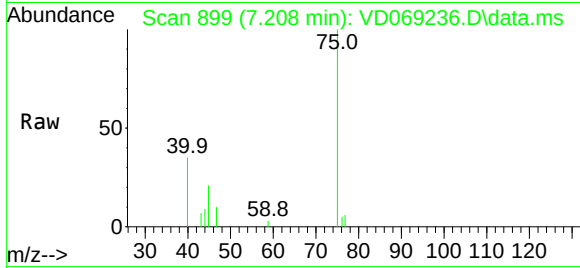




#25
2-Butanone
Concen: 8.19 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069236.D
Acq: 21 May 2021 14:00

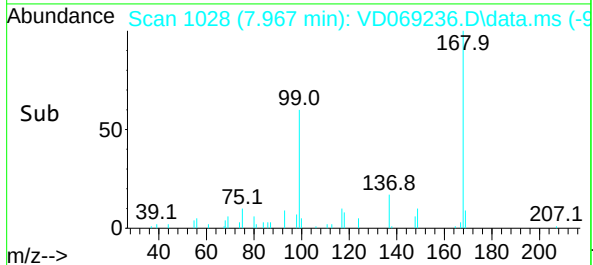
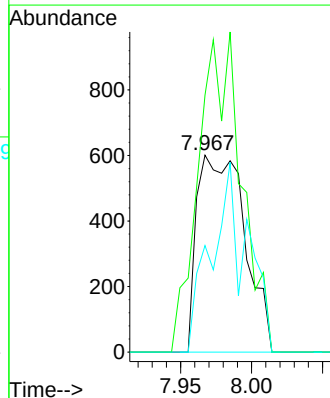
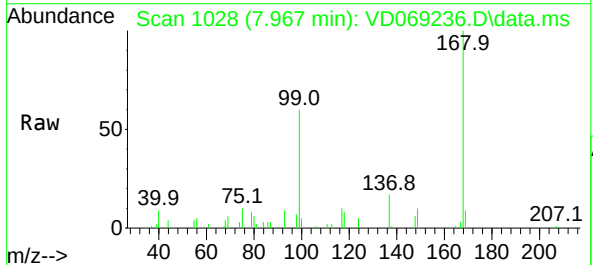
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-888-890

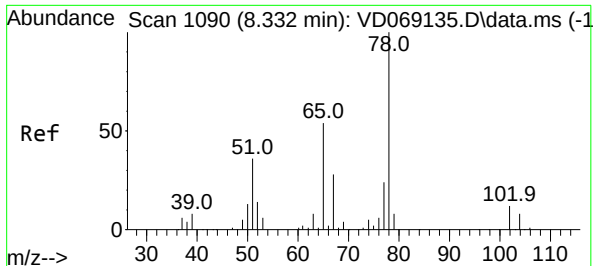
Tgt Ion: 43 Resp: 747
Ion Ratio Lower Upper
43 100
72 0.0 29.1 43.7#



#31
Cyclohexane
Concen: 2.16 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.017 min
Lab File: VD069236.D
Acq: 21 May 2021 14:00

Tgt Ion: 56 Resp: 1404
Ion Ratio Lower Upper
56 100
69 130.4 30.6 46.0#
84 54.1 88.0 132.0#

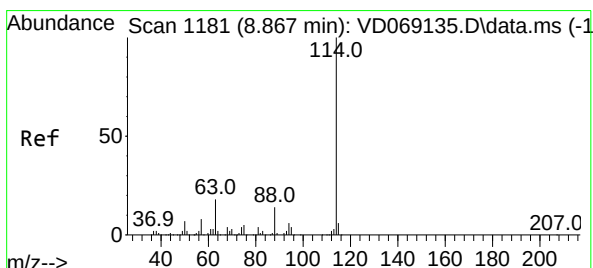
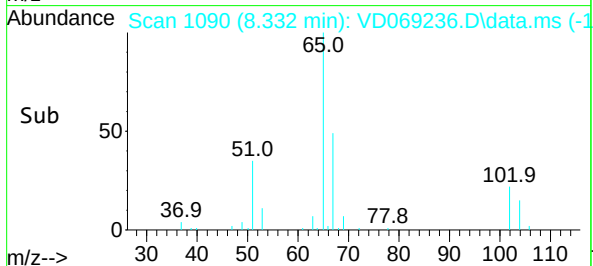
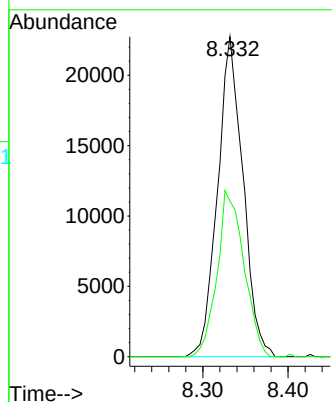
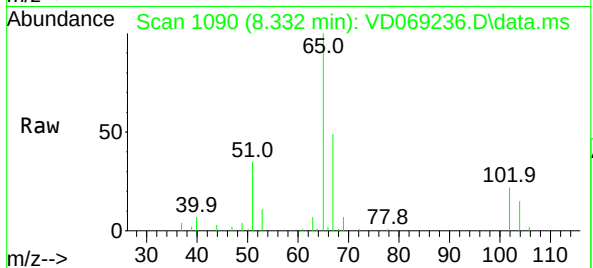




#33
1,2-Dichloroethane-d4
Concen: 107.26 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069236.D
Acq: 21 May 2021 14:00

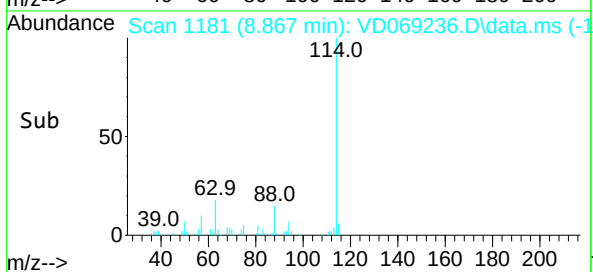
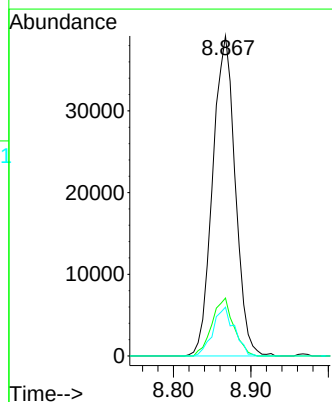
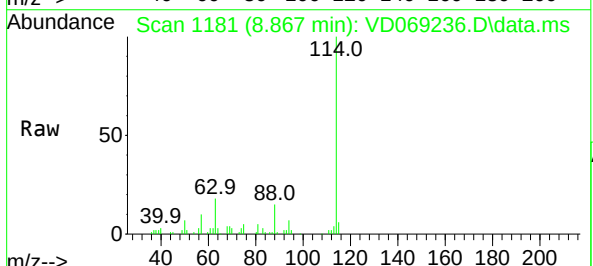
Instrument :
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ClientSampleId :
BP-VPB-RW8-GW-888-890

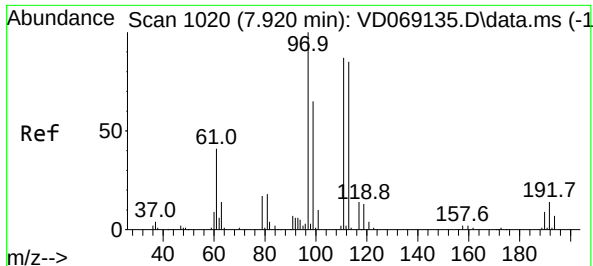
Tgt Ion: 65 Resp: 47134
Ion Ratio Lower Upper
65 100
67 54.8 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069236.D
Acq: 21 May 2021 14:00

Tgt Ion: 114 Resp: 79194
Ion Ratio Lower Upper
114 100
63 18.1 0.0 36.4
88 15.2 0.0 28.2





#35

Dibromofluoromethane

Concen: 75.20 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD069236.D

Acq: 21 May 2021 14:00

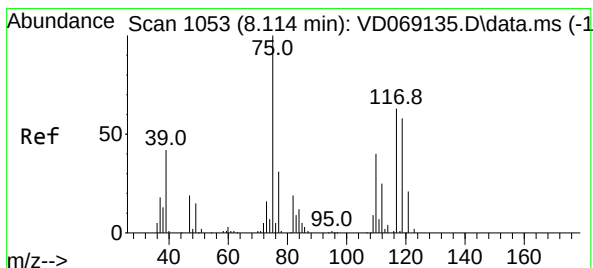
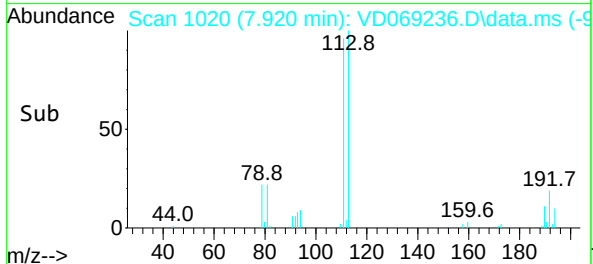
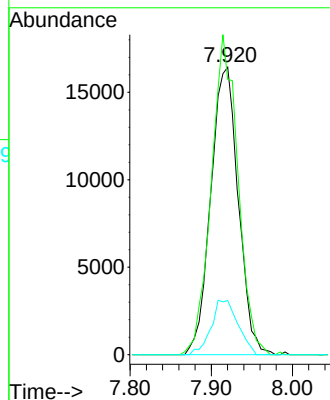
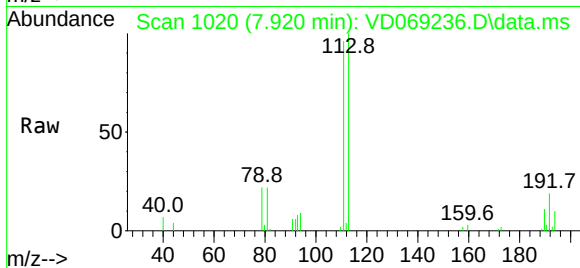
Tgt Ion:113 Resp: 38758

Ion Ratio Lower Upper

113 100

111 107.6 80.6 120.8

192 18.5 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.13 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD069236.D

Acq: 21 May 2021 14:00

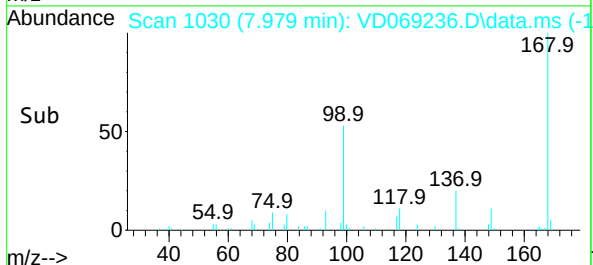
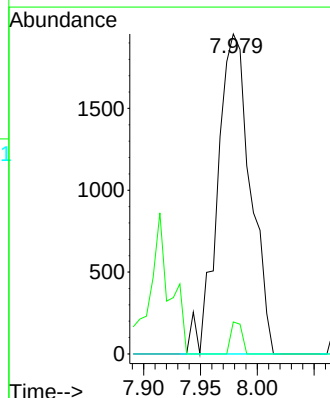
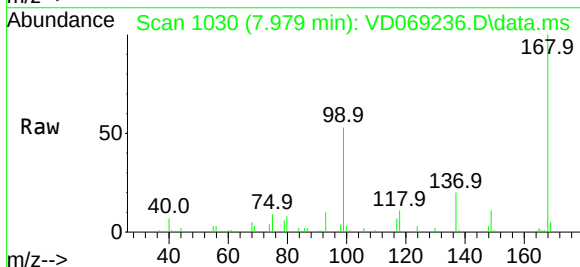
Tgt Ion: 75 Resp: 3953

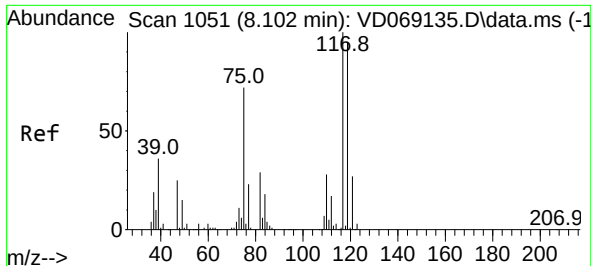
Ion Ratio Lower Upper

75 100

110 3.4 18.8 56.4#

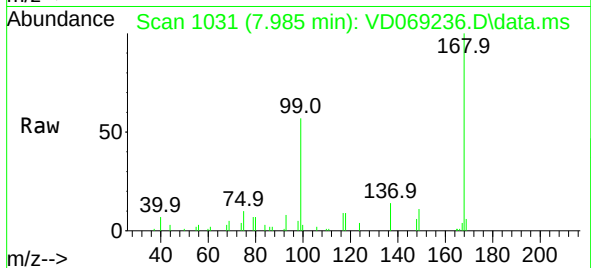
77 0.0 25.2 37.8#



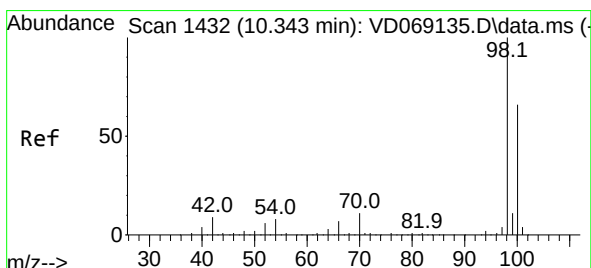
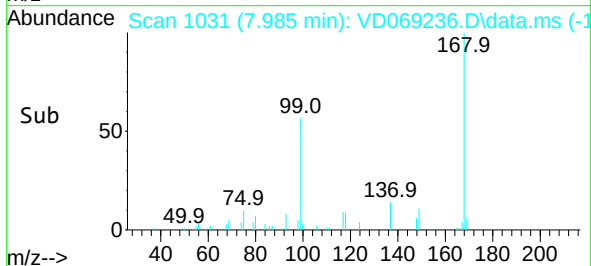
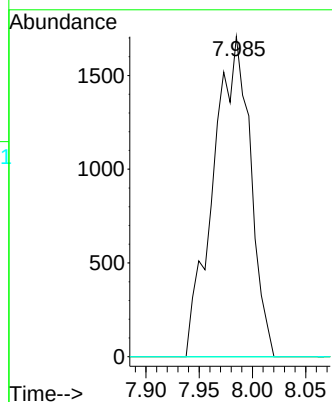


#38
Carbon Tetrachloride
Concen: 4.81 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.117 min
Lab File: VD069236.D
Acq: 21 May 2021 14:00

Instrument :
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ClientSampleId :
BP-VPB-RW8-GW-888-890

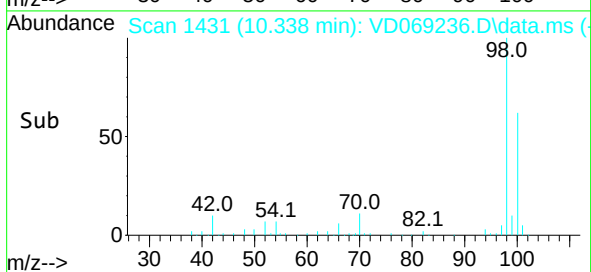
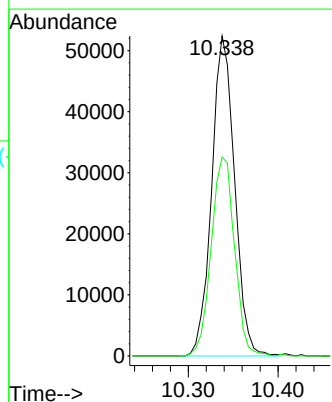
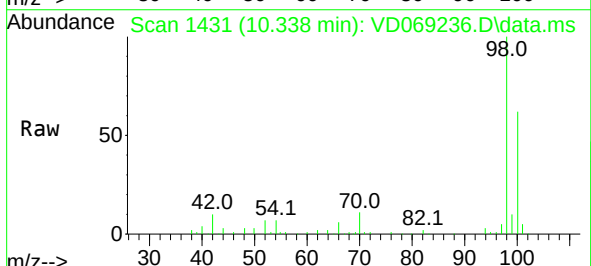


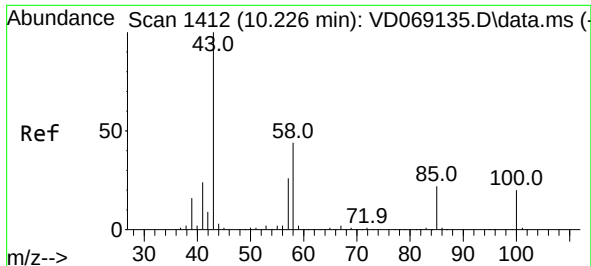
Tgt Ion:117 Resp: 4140
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 21.9 32.9#



#50
Toluene-d8
Concen: 49.09 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD069236.D
Acq: 21 May 2021 14:00

Tgt Ion: 98 Resp: 92953
Ion Ratio Lower Upper
98 100
100 63.2 51.8 77.8

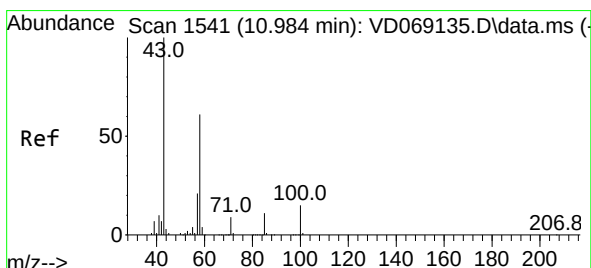
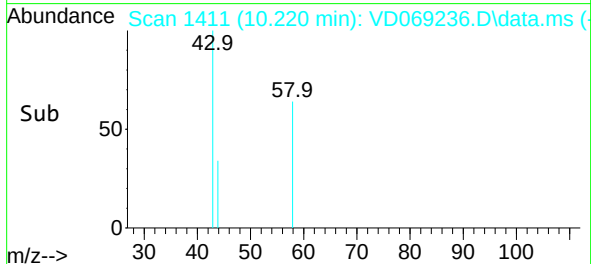
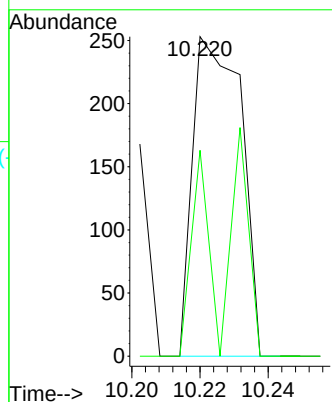
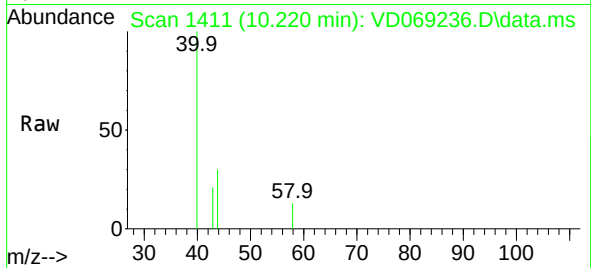




#51
4-Methyl-2-Pentanone
Concen: 1.08 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD069236.D
Acq: 21 May 2021 14:00

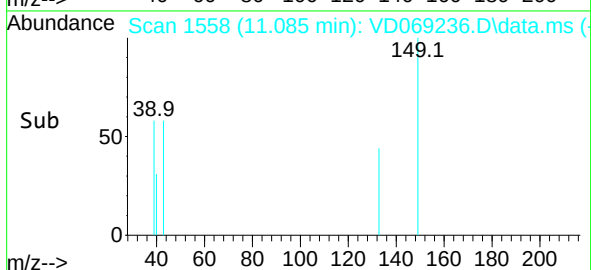
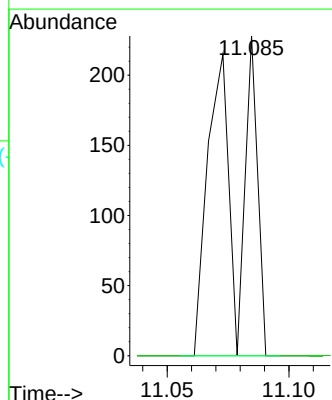
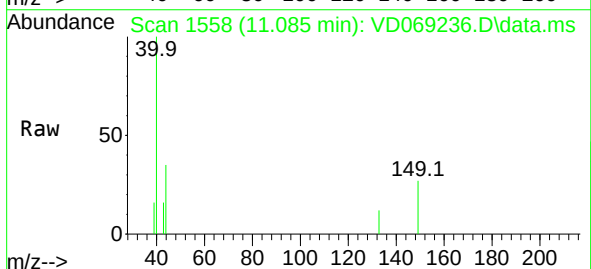
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-888-890

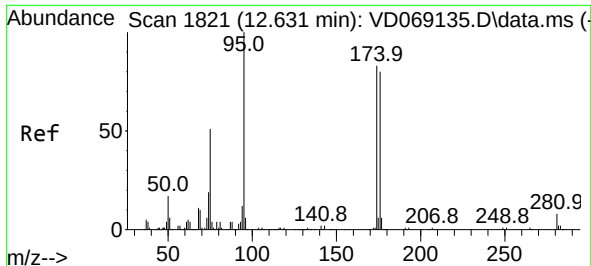
Tgt Ion: 43 Resp: 249
Ion Ratio Lower Upper
43 100
58 48.6 35.0 52.4



#59
2-Hexanone
Concen: 1.36 ug/l
RT: 11.085 min Scan# 1558
Delta R.T. 0.100 min
Lab File: VD069236.D
Acq: 21 May 2021 14:00

Tgt Ion: 43 Resp: 210
Ion Ratio Lower Upper
43 100
58 0.0 31.1 93.5#

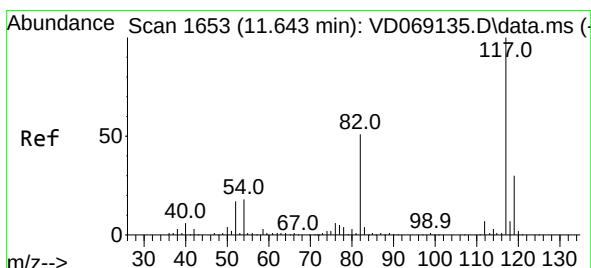
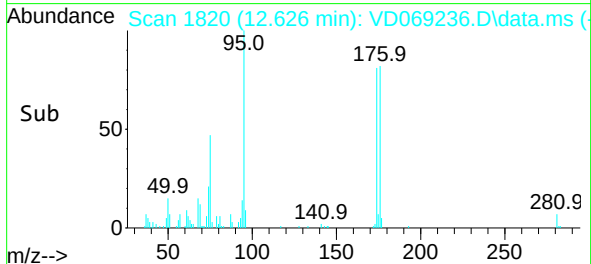
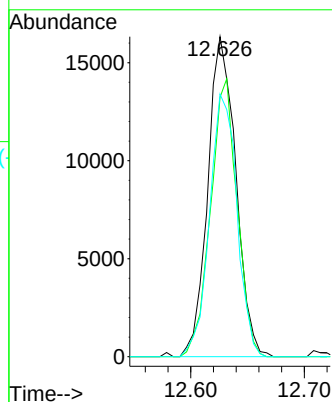
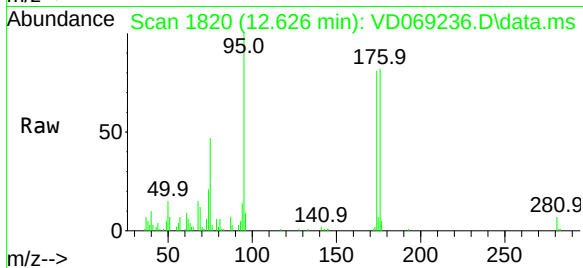




#62
4-Bromofluorobenzene
Concen: 45.92 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD069236.D
Acq: 21 May 2021 14:00

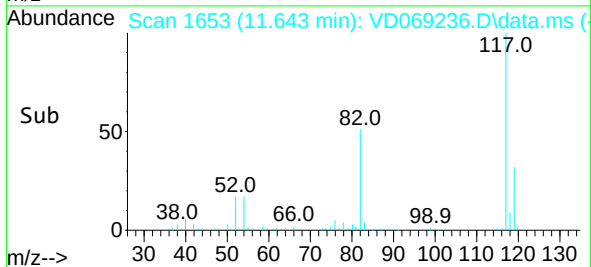
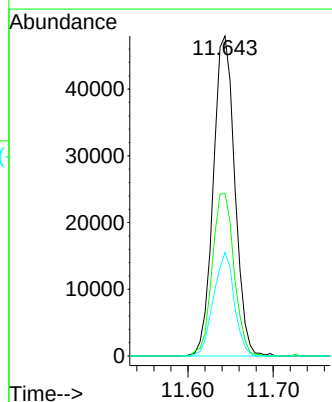
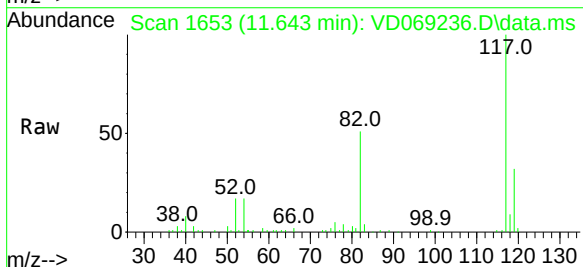
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-888-890

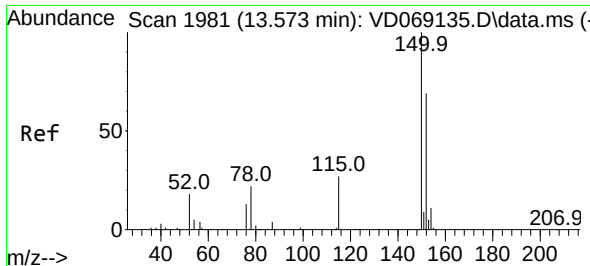
Tgt Ion:	95	Resp:	27978
Ion Ratio	Lower	Upper	
95	100		
174	82.3	0.0	171.8
176	80.4	0.0	165.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069236.D
Acq: 21 May 2021 14:00

Tgt Ion:	117	Resp:	83985
Ion Ratio	Lower	Upper	
117	100		
82	50.8	40.5	60.7
119	32.3	24.2	36.4

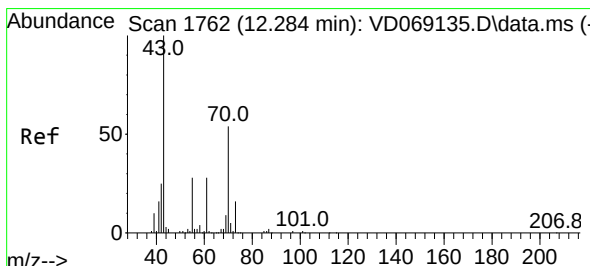
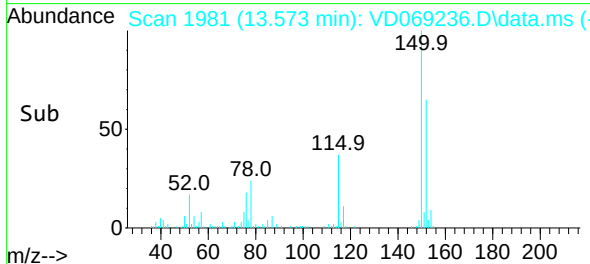
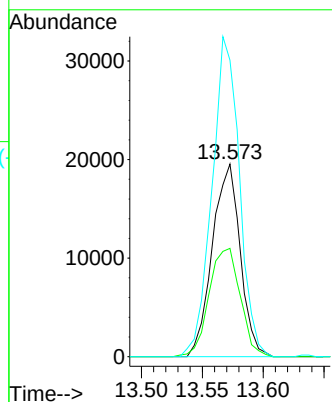
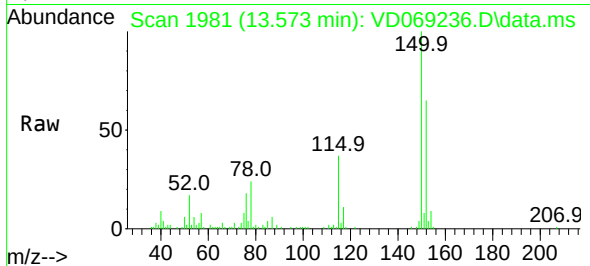




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD069236.D
Acq: 21 May 2021 14:00

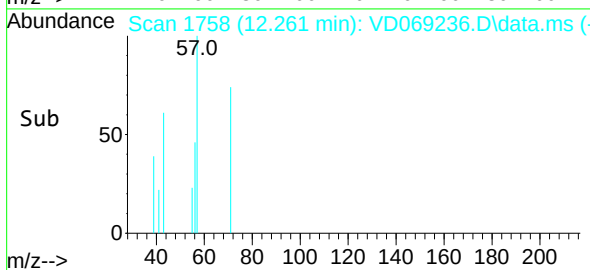
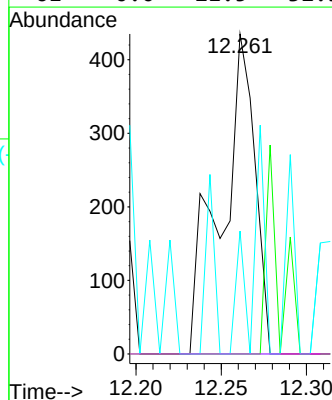
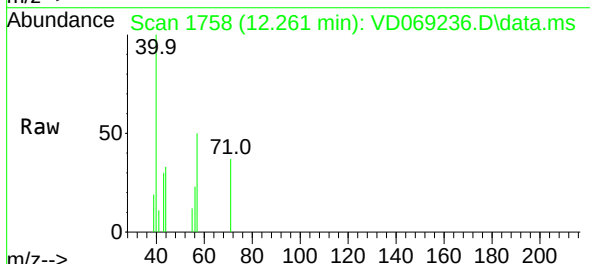
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-888-890

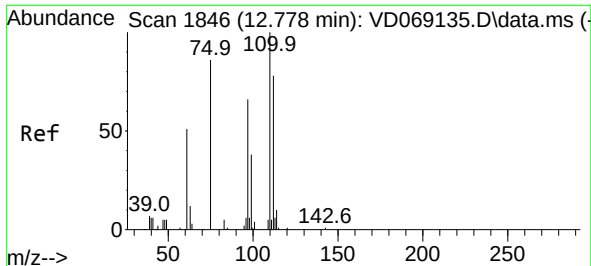
Tgt Ion:152 Resp: 31180
Ion Ratio Lower Upper
152 100
115 62.7 29.9 89.8
150 163.3 0.0 350.2



#74
N-ethyl acetate
Concen: 1.69 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.023 min
Lab File: VD069236.D
Acq: 21 May 2021 14:00

Tgt Ion: 43 Resp: 601
Ion Ratio Lower Upper
43 100
70 26.0 41.6 62.4#
55 28.1 22.6 34.0
61 0.0 21.5 32.3#

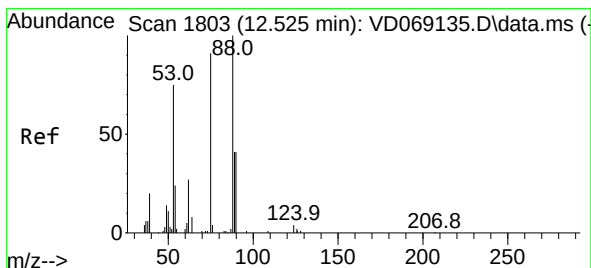
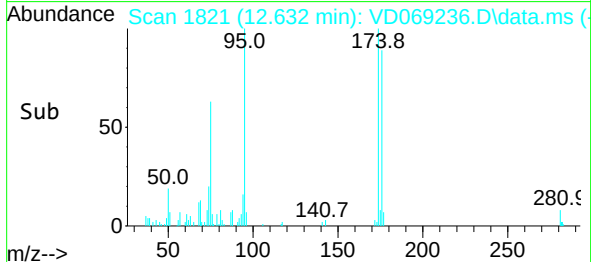
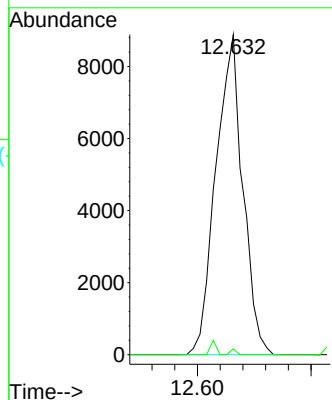
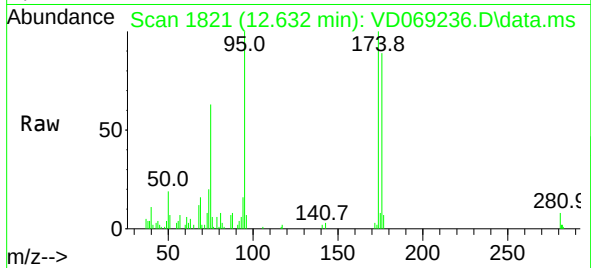




#76
1,2,3-Trichloropropane
Concen: 62.29 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD069236.D
Acq: 21 May 2021 14:00

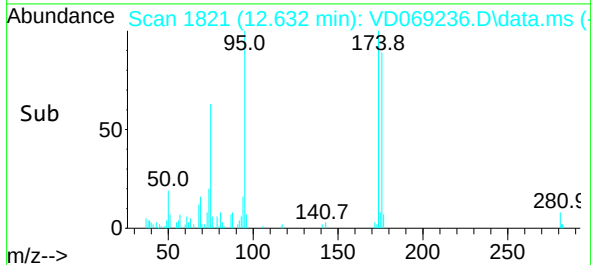
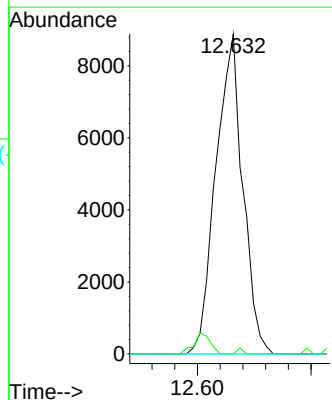
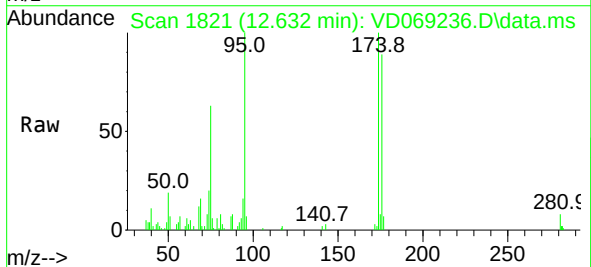
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-888-890

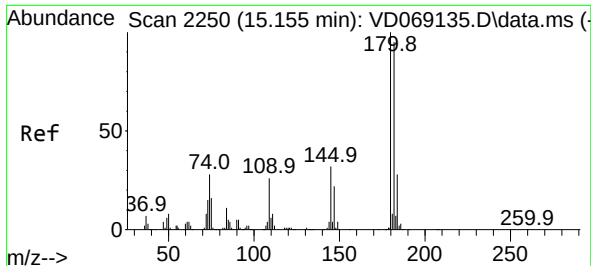
Tgt Ion: 75 Resp: 14599
Ion Ratio Lower Upper
75 100
77 0.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.82 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD069236.D
Acq: 21 May 2021 14:00

Tgt Ion: 75 Resp: 14599
Ion Ratio Lower Upper
75 100
53 0.4 70.0 105.0#
89 0.0 40.2 60.2#

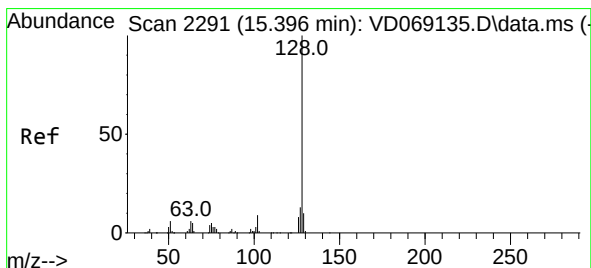
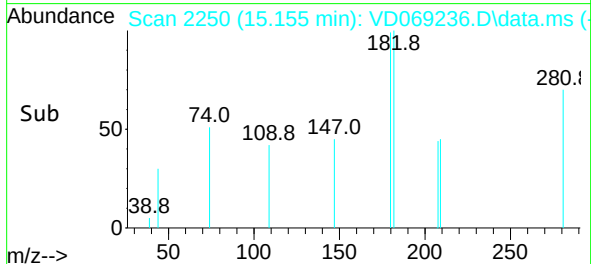
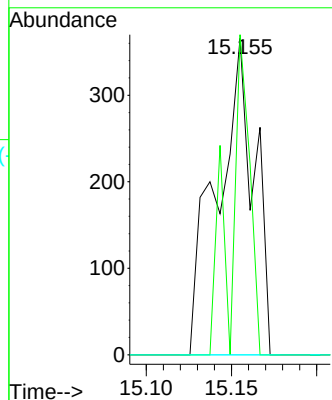
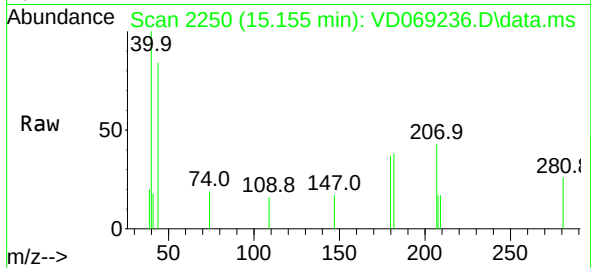




#93
1,2,4-Trichlorobenzene
Concen: 1.01 ug/l
RT: 15.155 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VD069236.D
Acq: 21 May 2021 14:00

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-888-890

Tgt Ion:180 Resp: 555
Ion Ratio Lower Upper
180 100
182 53.0 47.8 143.3
145 0.0 15.6 46.8#



#95
Naphthalene
Concen: 3.36 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD069236.D
Acq: 21 May 2021 14:00

Tgt Ion:128 Resp: 1400
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

