

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052421\
 Data File : VD069255.D
 Acq On : 24 May 2021 14:53
 Operator : VA/SY
 Sample : M2498-03
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: May 25 00:55:49 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	145063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	273055	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	249264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	107600	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	98998	68.07	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	136.14%
35) Dibromofluoromethane	7.914	113	104281	58.69	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	117.38%
50) Toluene-d8	10.338	98	336860	51.59	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.18%
62) 4-Bromofluorobenzene	12.626	95	103710	49.36	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.72%

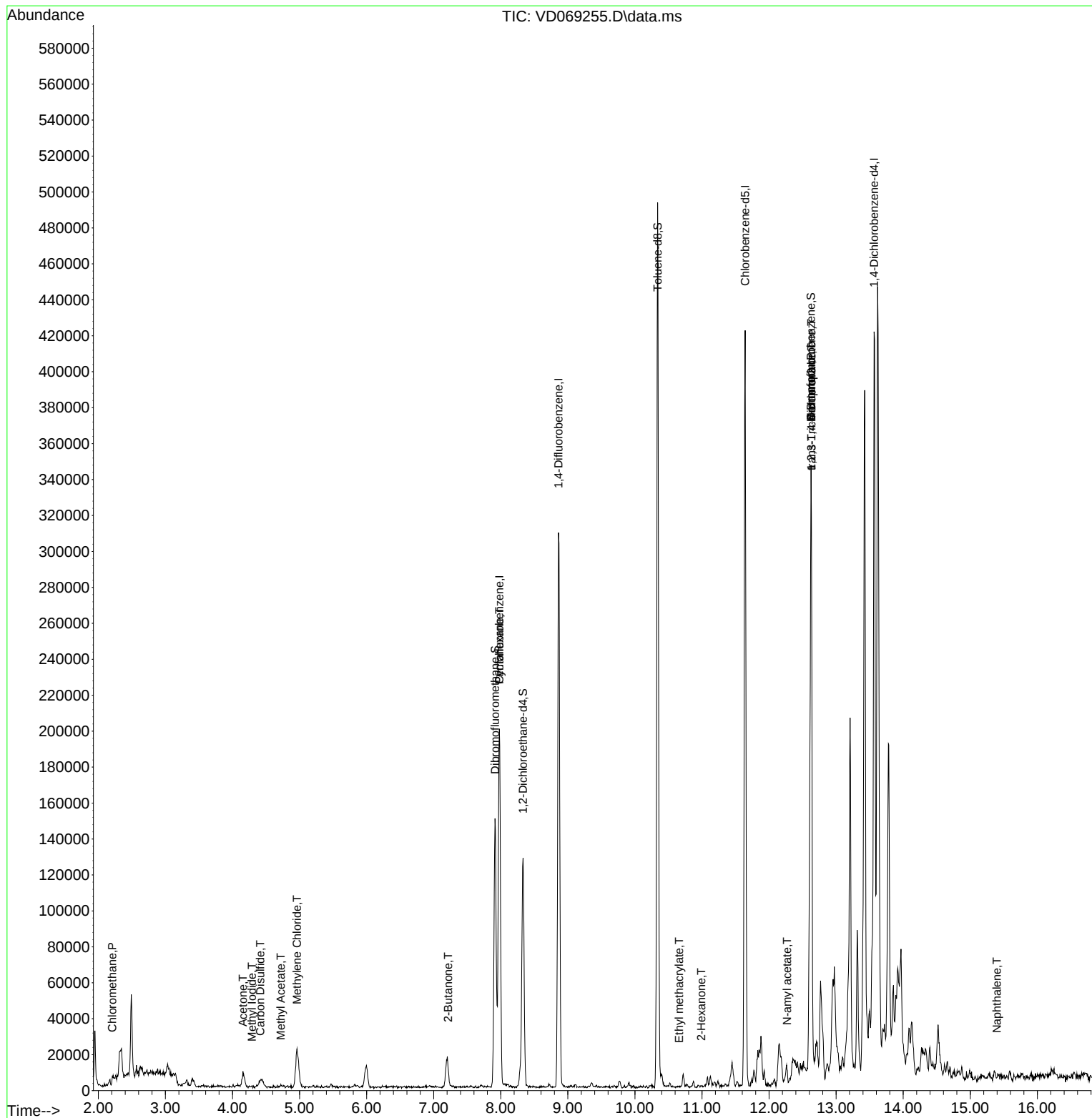
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.209	50	1894	1.07	ug/l	100
10) Methyl Iodide	4.291	142	140	1.01	ug/l #	42
11) Tert butyl alcohol	5.203	59	268	Below Cal	#	73
16) Acetone	4.156	43	13285	59.65	ug/l	97
17) Carbon Disulfide	4.414	76	5927	1.23	ug/l #	92
18) Methyl Acetate	4.720	43	743	1.37	ug/l #	45
20) Methylene Chloride	4.961	84	17990	1.04	ug/l	91
25) 2-Butanone	7.214	43	2833	9.39	ug/l #	81
31) Cyclohexane	7.979	56	5026	2.33	ug/l #	51
56) Ethyl methacrylate	10.661	69	162	1.42	ug/l #	1
59) 2-Hexanone	10.991	43	537	1.01	ug/l	72
71) Bromoform	12.626	173	1042	1.03	ug/l #	1
74) N-amyl acetate	12.267	43	3155	2.57	ug/l #	61
76) 1,2,3-Trichloropropane	12.632	75	53779	66.49	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	53779	134.30	ug/l #	14
95) Naphthalene	15.396	128	1622	2.49	ug/l #	74

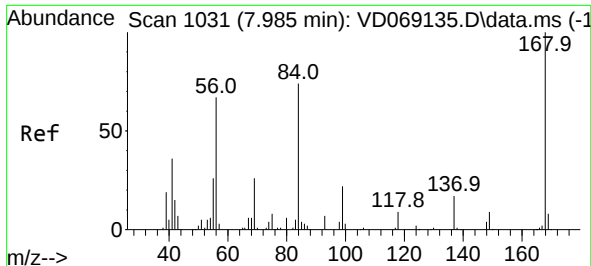
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 25 00:55:49 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

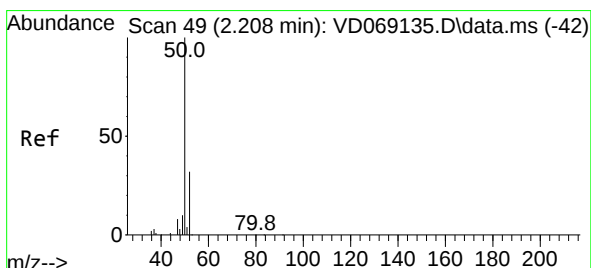
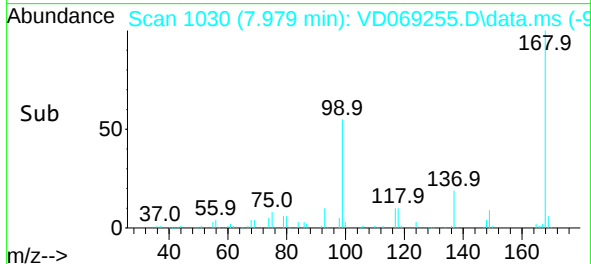
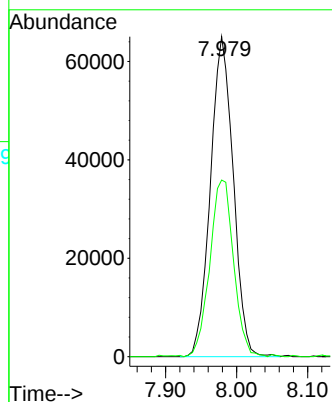
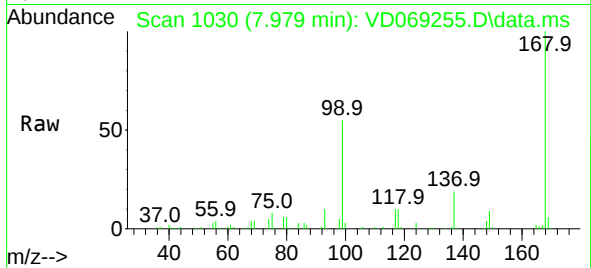




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069255.D
Acq: 24 May 2021 14:53

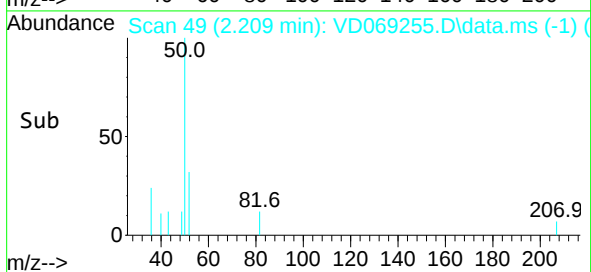
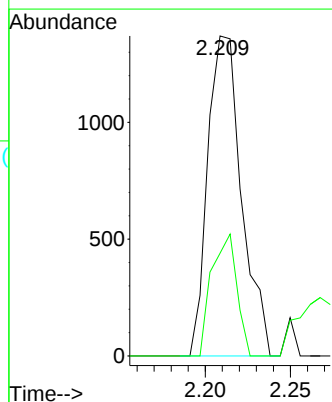
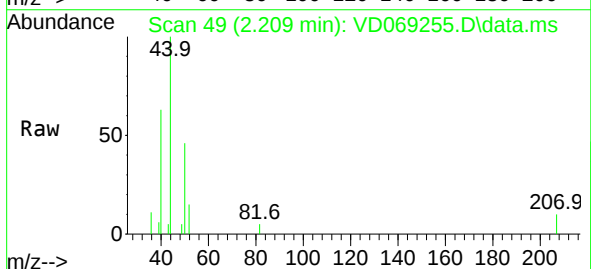
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-958-960

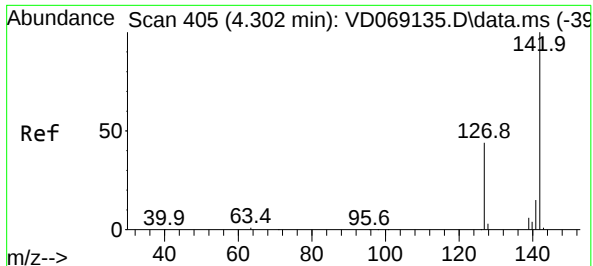
Tgt Ion:168 Resp: 145063
Ion Ratio Lower Upper
168 100
99 54.9 47.2 70.8



#3
Chloromethane
Concen: 1.07 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD069255.D
Acq: 24 May 2021 14:53

Tgt Ion: 50 Resp: 1894
Ion Ratio Lower Upper
50 100
52 32.1 25.8 38.8

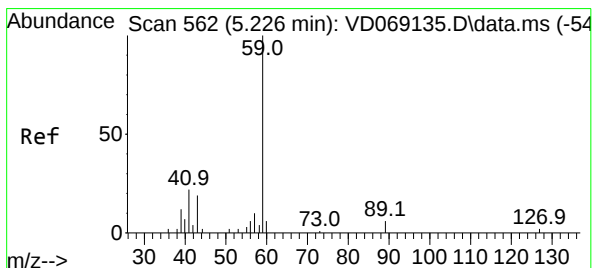
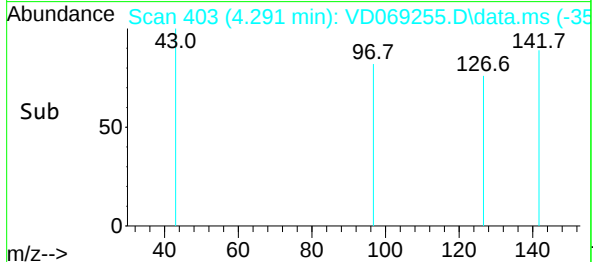
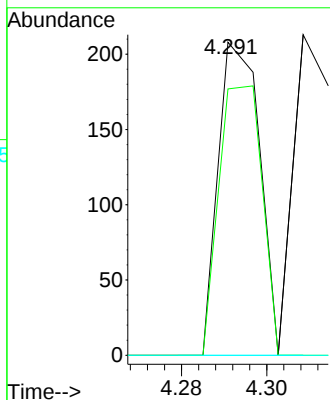
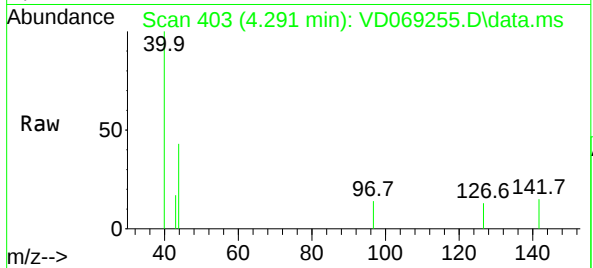




#10
Methyl Iodide
Concen: 1.01 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.011 min
Lab File: VD069255.D
Acq: 24 May 2021 14:53

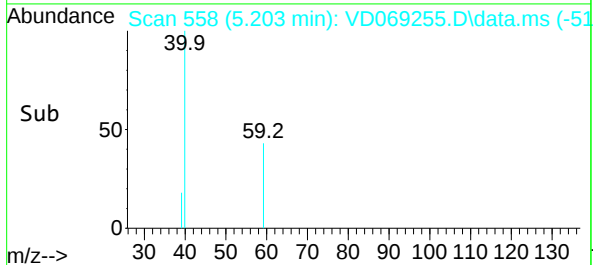
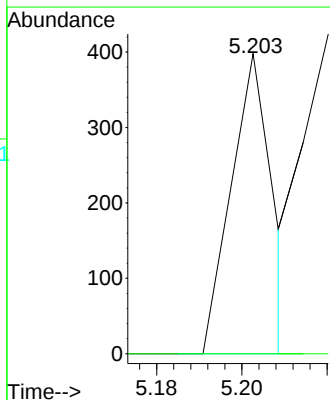
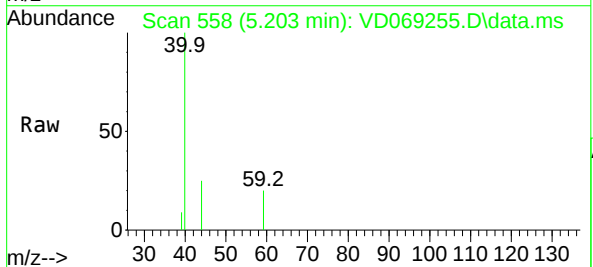
Instrument :
MSVOA_D
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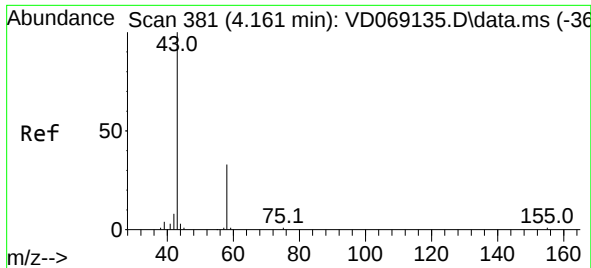
Tgt Ion:142 Resp: 140
Ion Ratio Lower Upper
142 100
127 90.0 37.3 55.9#
141 0.0 12.2 18.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.203 min Scan# 558
Delta R.T. -0.023 min
Lab File: VD069255.D
Acq: 24 May 2021 14:53

Tgt Ion: 59 Resp: 268
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

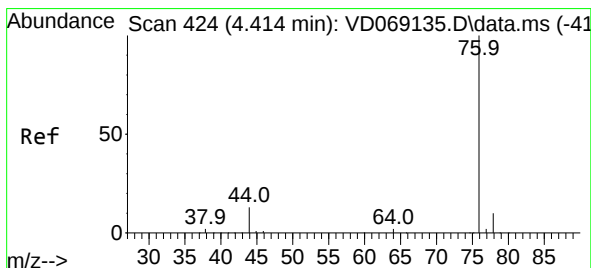
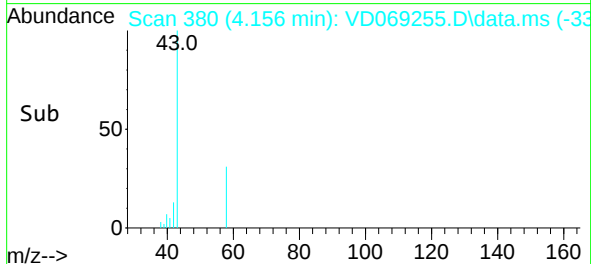
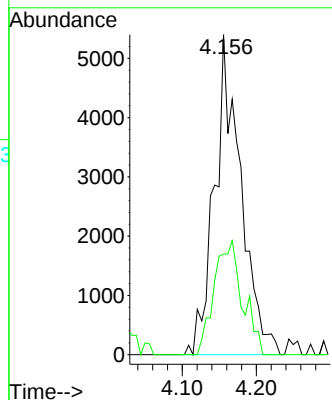
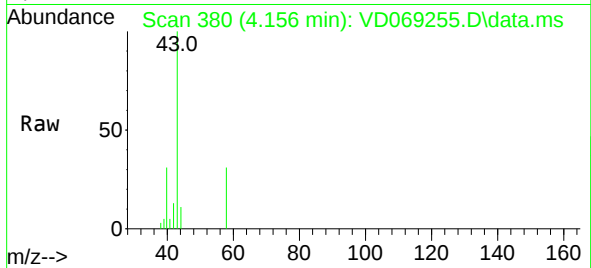




#16
Acetone
Concen: 59.65 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069255.D
Acq: 24 May 2021 14:53

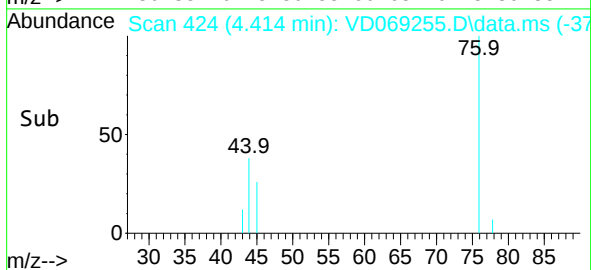
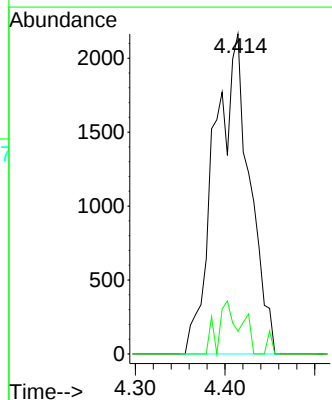
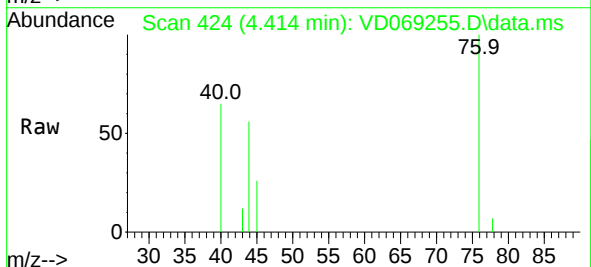
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-958-960

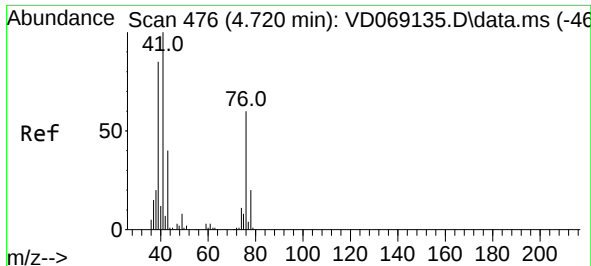
Tgt Ion: 43 Resp: 13285
Ion Ratio Lower Upper
43 100
58 31.4 26.7 40.1



#17
Carbon Disulfide
Concen: 1.23 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.000 min
Lab File: VD069255.D
Acq: 24 May 2021 14:53

Tgt Ion: 76 Resp: 5927
Ion Ratio Lower Upper
76 100
78 7.1 8.1 12.1#





#18

Methyl Acetate

Concen: 1.37 ug/l

RT: 4.720 min Scan# 476

Delta R.T. 0.000 min

Lab File: VD069255.D

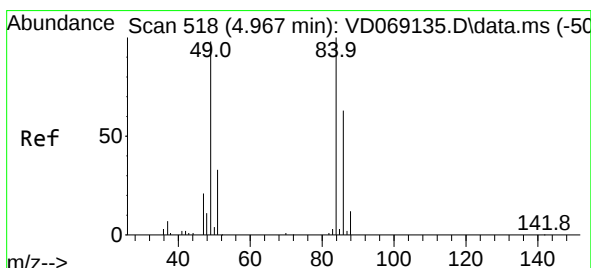
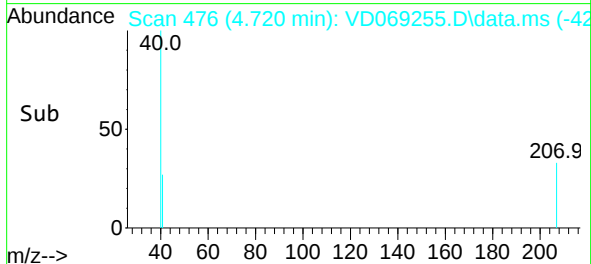
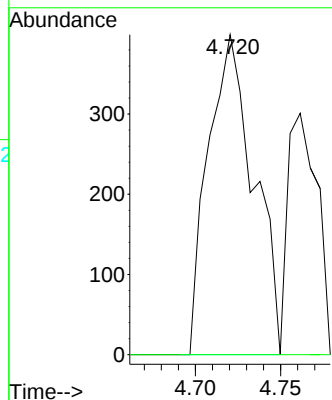
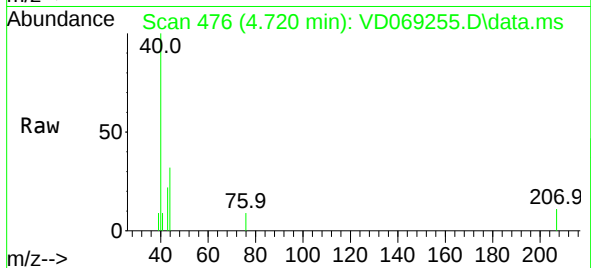
Acq: 24 May 2021 14:53

Tgt Ion: 43 Resp: 743

Ion Ratio Lower Upper

43 100

74 0.0 23.8 35.6#



#20

Methylene Chloride

Concen: 1.04 ug/l

RT: 4.961 min Scan# 517

Delta R.T. -0.006 min

Lab File: VD069255.D

Acq: 24 May 2021 14:53

Tgt Ion: 84 Resp: 17990

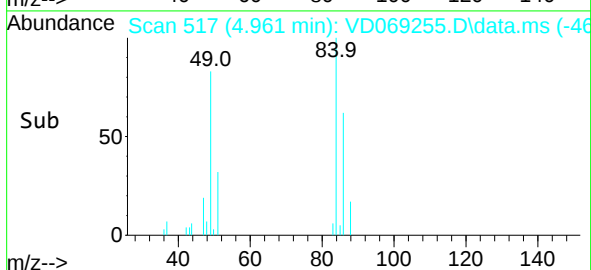
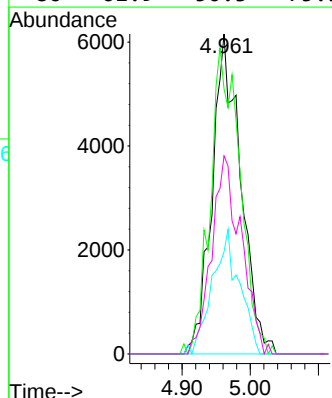
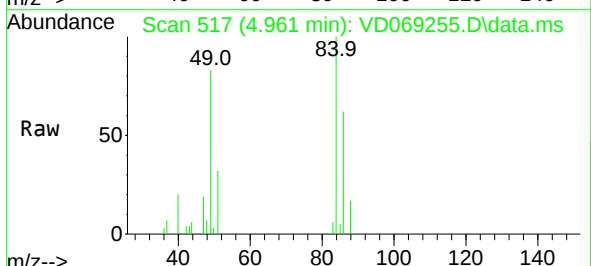
Ion Ratio Lower Upper

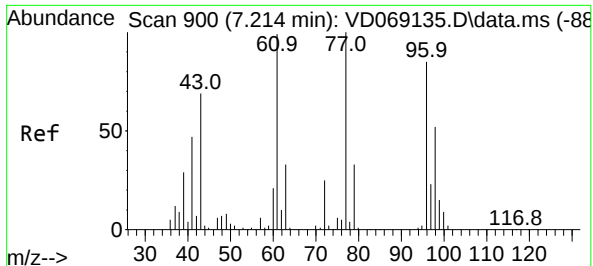
84 100

49 82.9 78.6 117.8

51 31.9 26.7 40.1

86 61.9 50.3 75.5

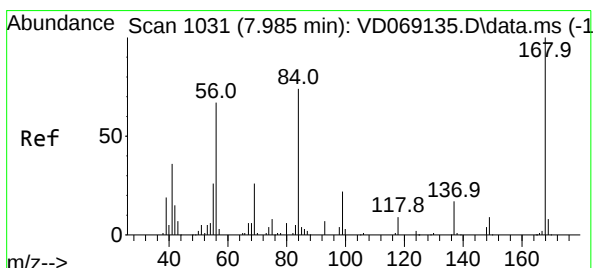
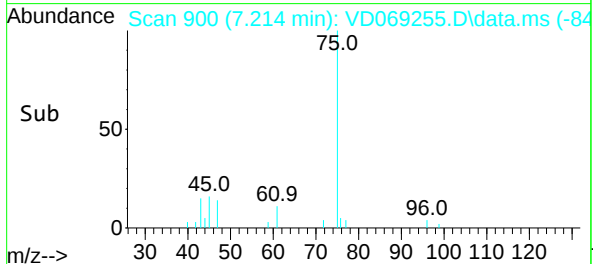
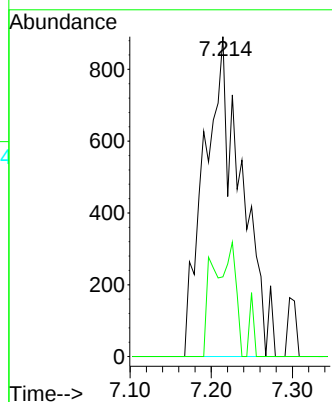
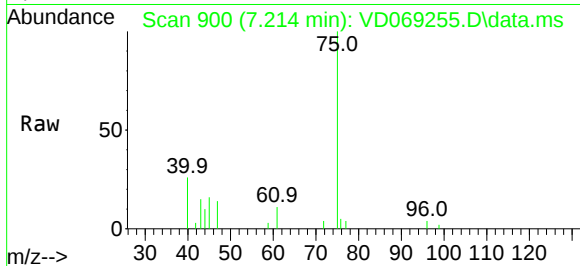




#25
2-Butanone
Concen: 9.39 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD069255.D
Acq: 24 May 2021 14:53

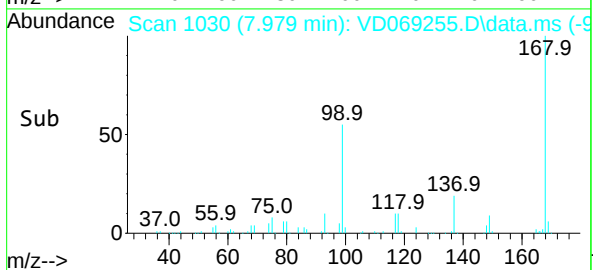
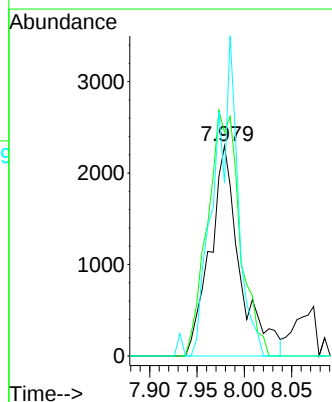
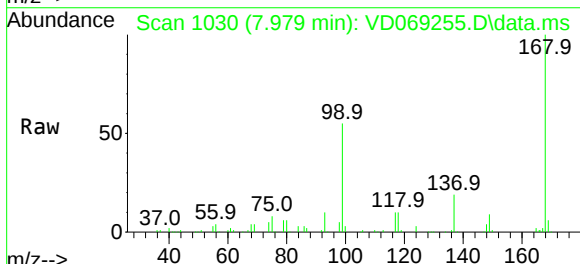
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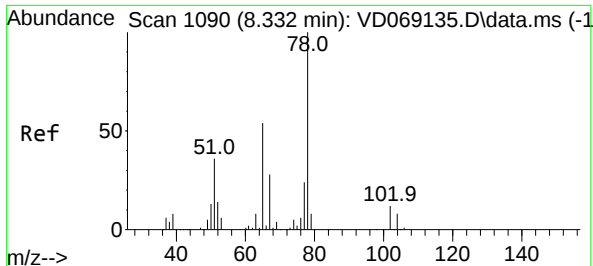
Tgt Ion: 43 Resp: 2833
Ion Ratio Lower Upper
43 100
72 24.9 29.1 43.7#



#31
Cyclohexane
Concen: 2.33 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069255.D
Acq: 24 May 2021 14:53

Tgt Ion: 56 Resp: 5026
Ion Ratio Lower Upper
56 100
69 106.4 30.6 46.0#
84 82.2 88.0 132.0#

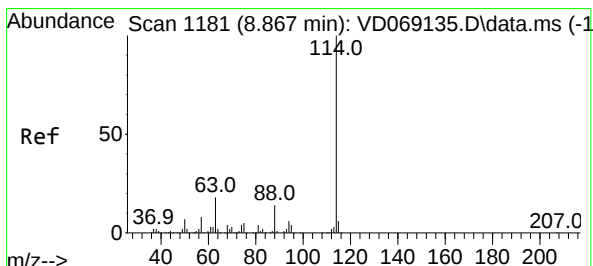
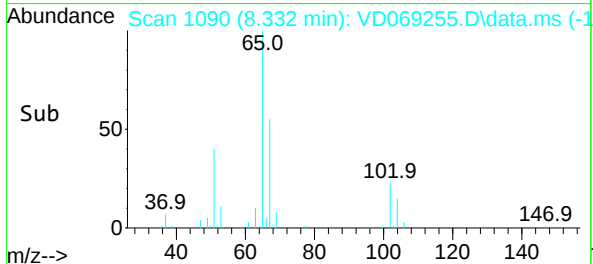
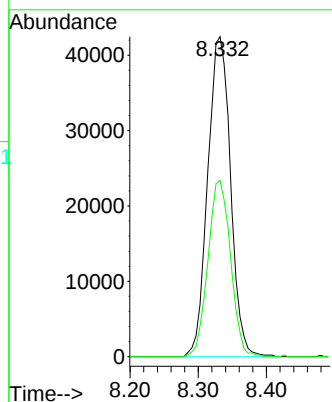
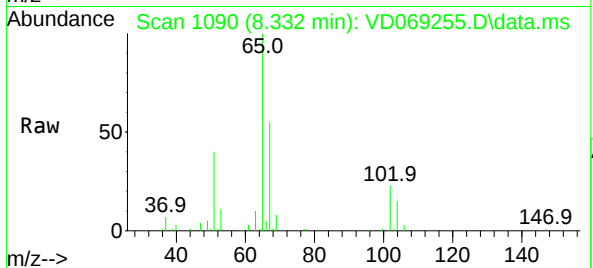




#33
1,2-Dichloroethane-d4
Concen: 68.07 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069255.D
Acq: 24 May 2021 14:53

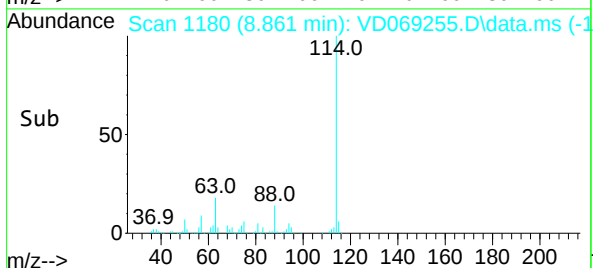
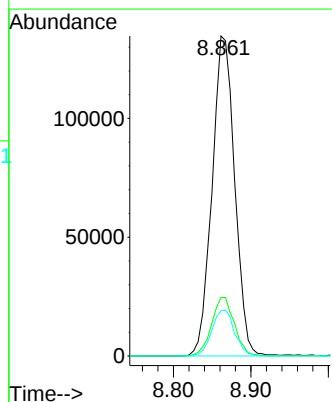
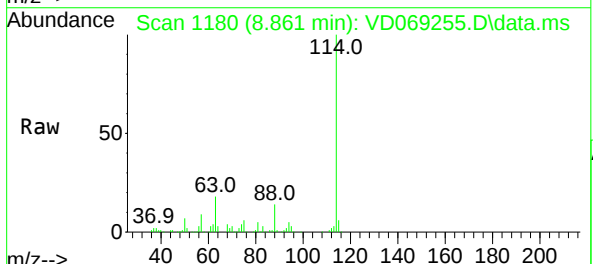
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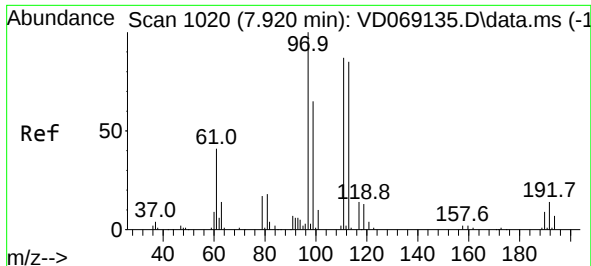
Tgt Ion: 65 Resp: 98998
Ion Ratio Lower Upper
65 100
67 54.5 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069255.D
Acq: 24 May 2021 14:53

Tgt Ion: 114 Resp: 273055
Ion Ratio Lower Upper
114 100
63 18.3 0.0 36.4
88 14.1 0.0 28.2





#35

Dibromofluoromethane

Concen: 58.69 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD069255.D

Acq: 24 May 2021 14:53

Tgt Ion:113 Resp: 104281

Ion Ratio Lower Upper

113 100

111 102.9 80.6 120.8

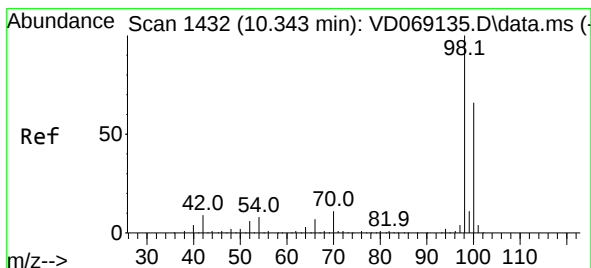
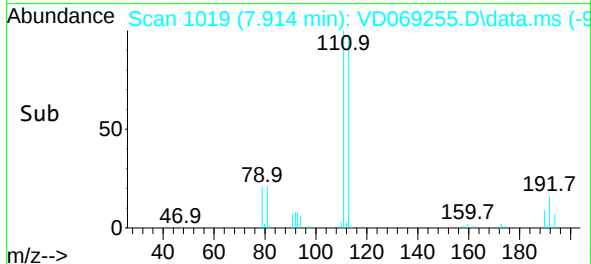
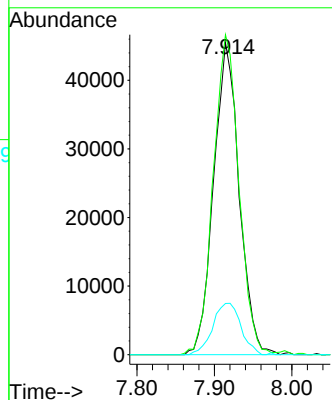
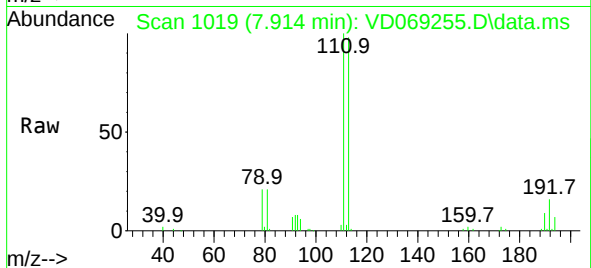
192 18.1 14.8 22.2

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB-RW8-GW-958-960



#50

Toluene-d8

Concen: 51.59 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.006 min

Lab File: VD069255.D

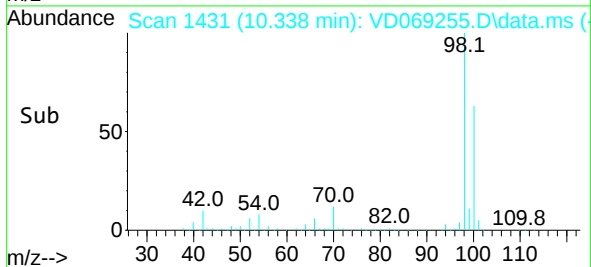
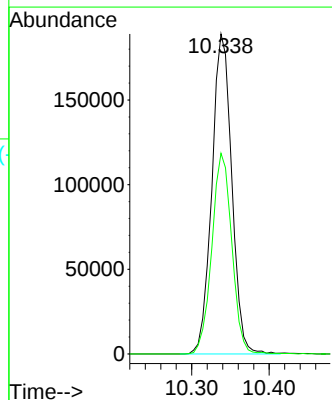
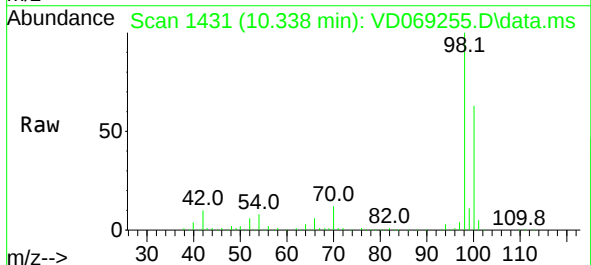
Acq: 24 May 2021 14:53

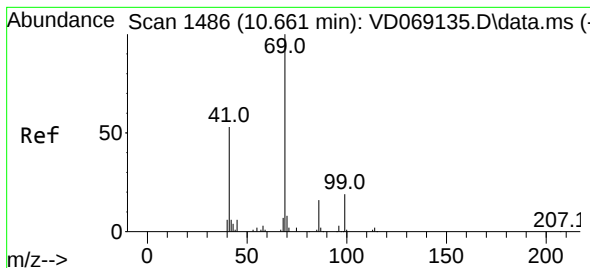
Tgt Ion: 98 Resp: 336860

Ion Ratio Lower Upper

98 100

100 63.0 51.8 77.8

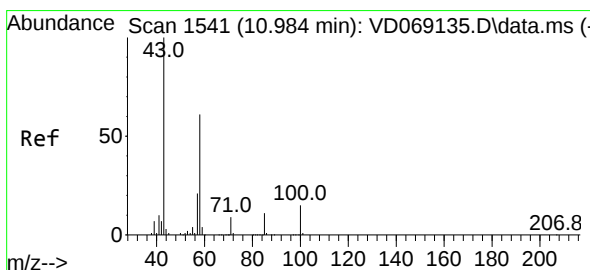
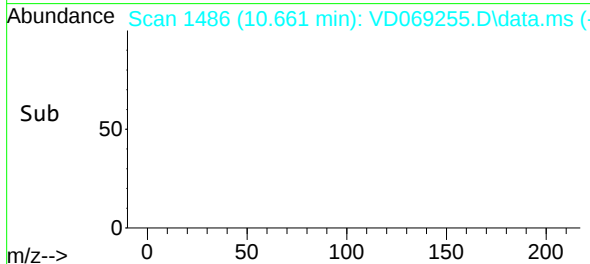
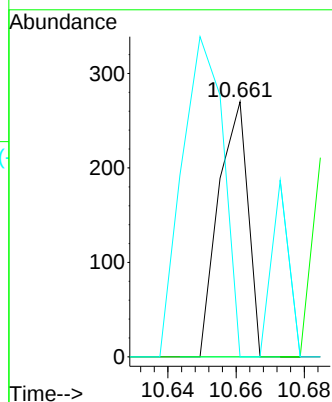
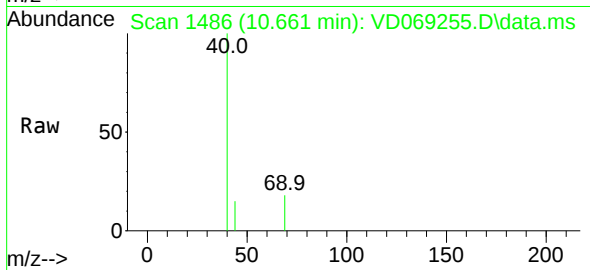




#56
Ethyl methacrylate
Concen: 1.42 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VD069255.D
Acq: 24 May 2021 14:53

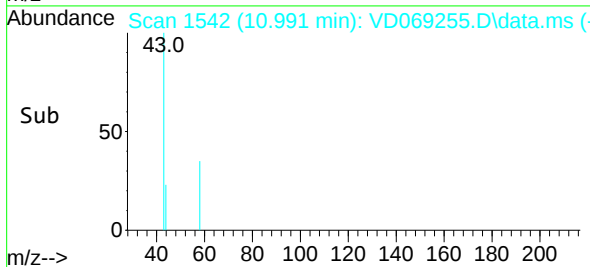
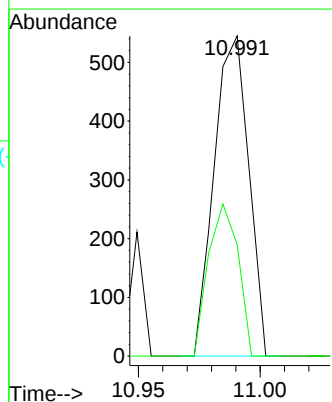
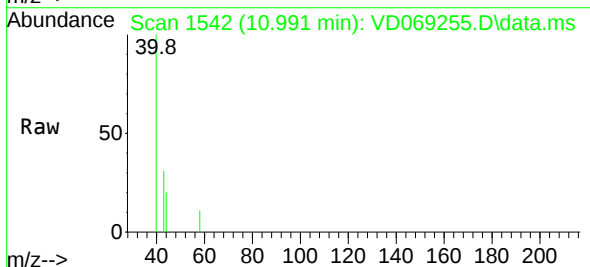
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-958-960

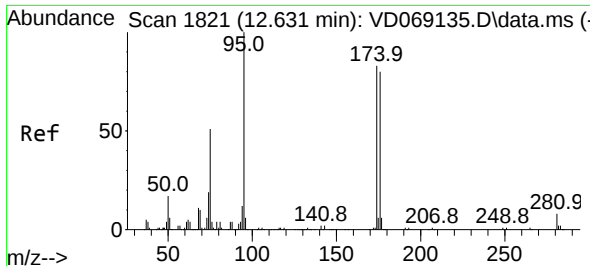
Tgt Ion: 69 Resp: 162
Ion Ratio Lower Upper
69 100
41 0.0 42.2 63.2#
39 175.9 26.3 39.5#



#59
2-Hexanone
Concen: 1.01 ug/l
RT: 10.991 min Scan# 1542
Delta R.T. 0.006 min
Lab File: VD069255.D
Acq: 24 May 2021 14:53

Tgt Ion: 43 Resp: 537
Ion Ratio Lower Upper
43 100
58 41.0 31.1 93.5

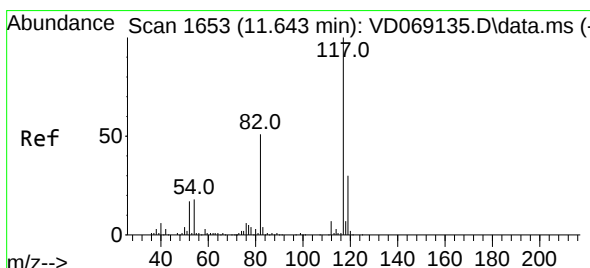
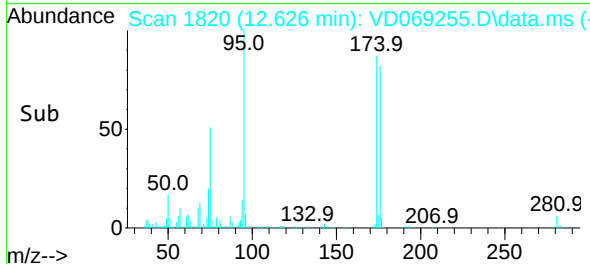
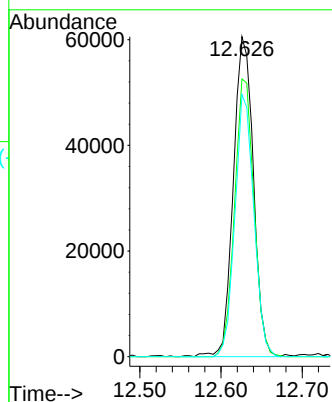
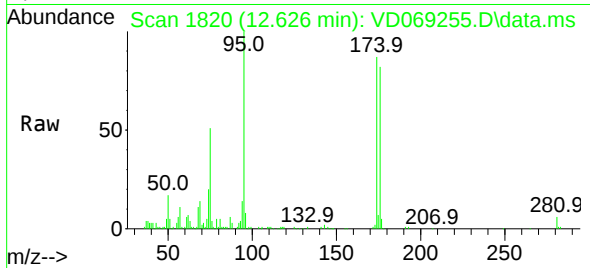




#62
4-Bromofluorobenzene
Concen: 49.36 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD069255.D
Acq: 24 May 2021 14:53

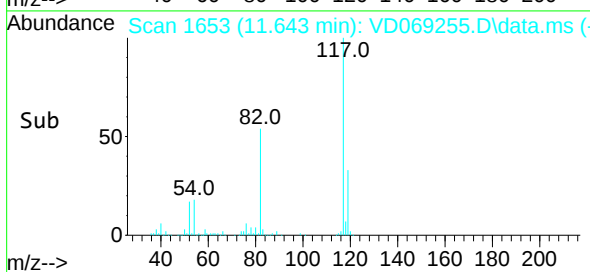
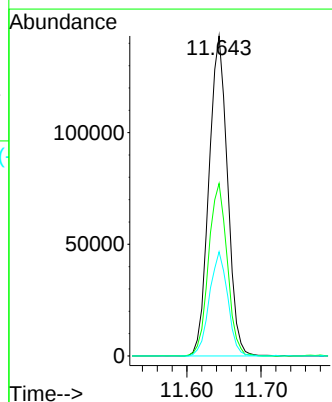
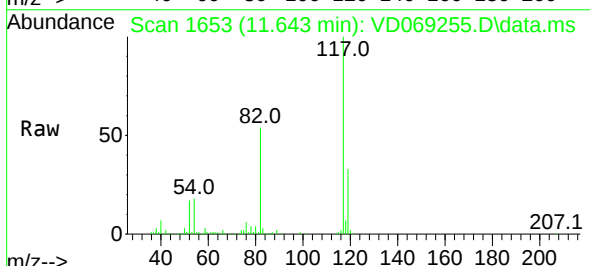
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-958-960

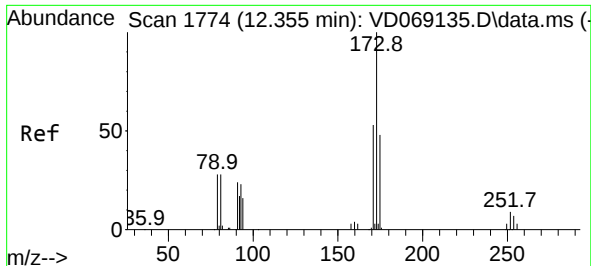
Tgt Ion: 95 Resp: 103710
Ion Ratio Lower Upper
95 100
174 84.1 0.0 171.8
176 77.2 0.0 165.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069255.D
Acq: 24 May 2021 14:53

Tgt Ion: 117 Resp: 249264
Ion Ratio Lower Upper
117 100
82 53.9 40.5 60.7
119 32.6 24.2 36.4

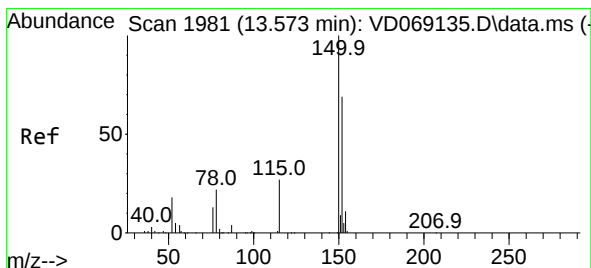
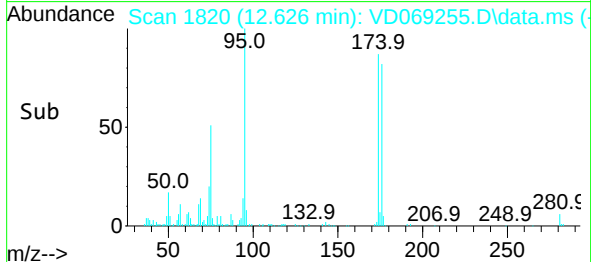
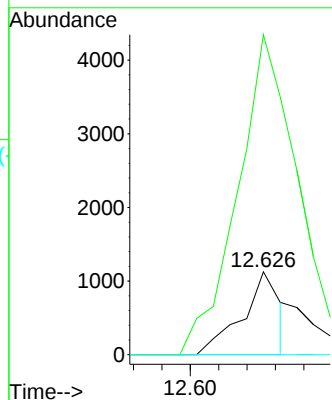
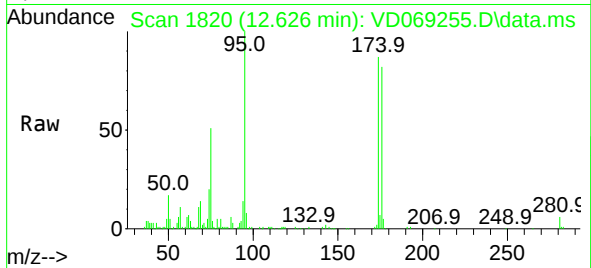




#71
Bromoform
Concen: 1.03 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069255.D
Acq: 24 May 2021 14:53

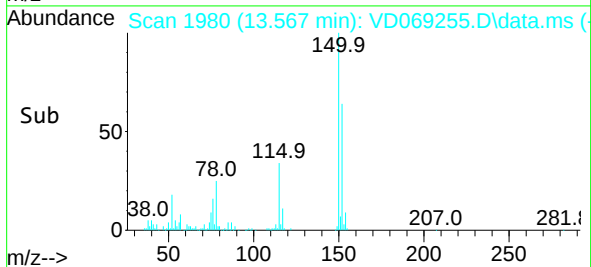
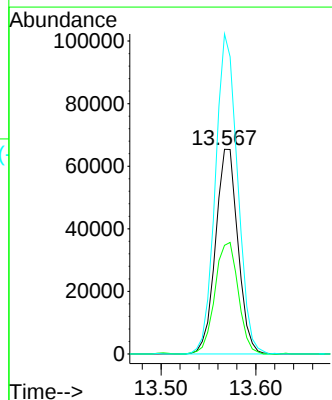
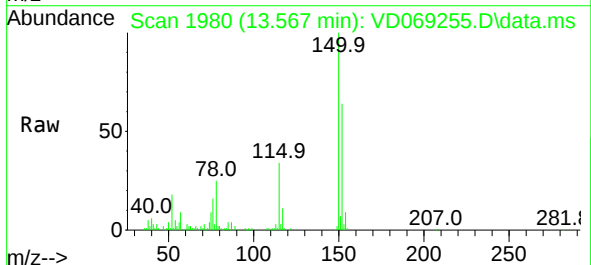
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-958-960

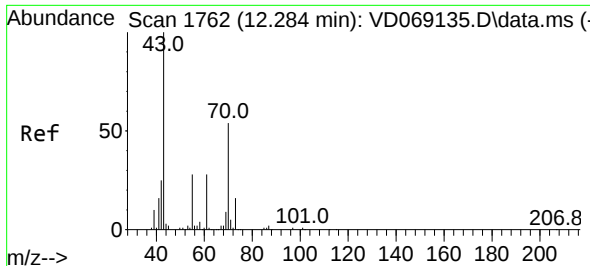
Tgt Ion:173 Resp: 1042
Ion Ratio Lower Upper
173 100
175 458.7 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD069255.D
Acq: 24 May 2021 14:53

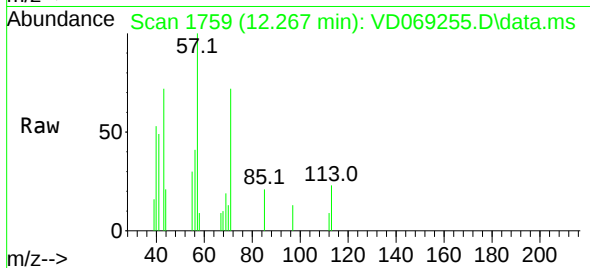
Tgt Ion:152 Resp: 107600
Ion Ratio Lower Upper
152 100
115 56.9 29.9 89.8
150 154.9 0.0 350.2



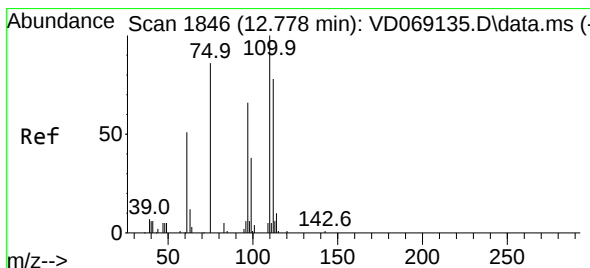
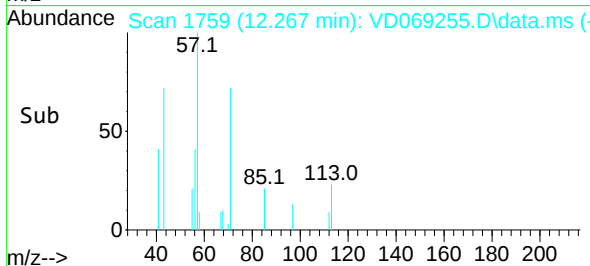
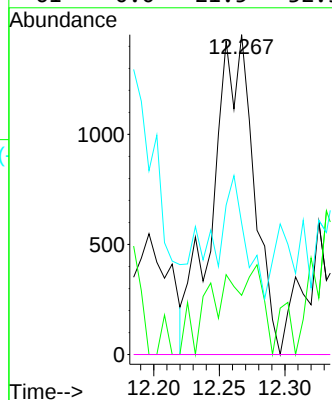


#74
N-amy1 acetate
Concen: 2.57 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.017 min
Lab File: VD069255.D
Acq: 24 May 2021 14:53

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

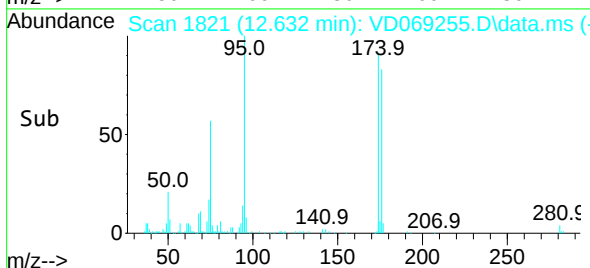
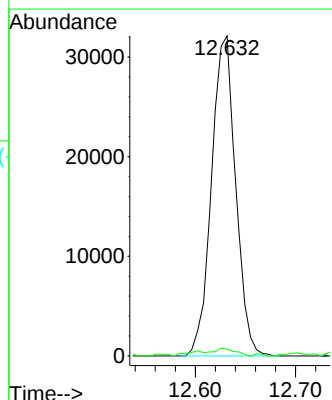
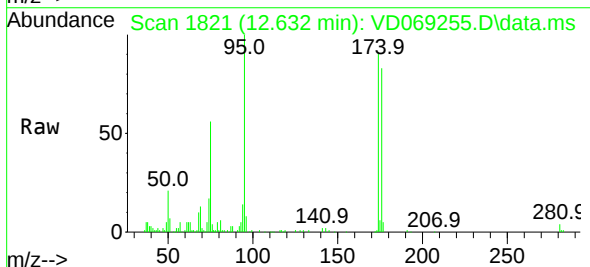


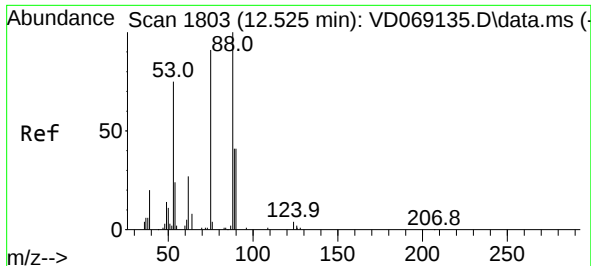
Tgt Ion	43	70	55	61
Ratio	100	21.7	18.7	0.0
Lower		41.6	22.6	21.5
Upper		62.4#	34.0#	32.3#



#76
1,2,3-Trichloropropane
Concen: 66.49 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD069255.D
Acq: 24 May 2021 14:53

Tgt Ion	75	77
Ratio	100	2.2
Lower		0.0
Upper		0.0#

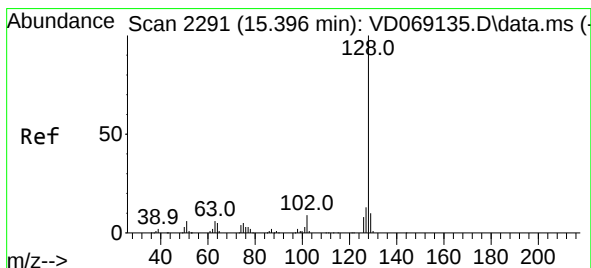
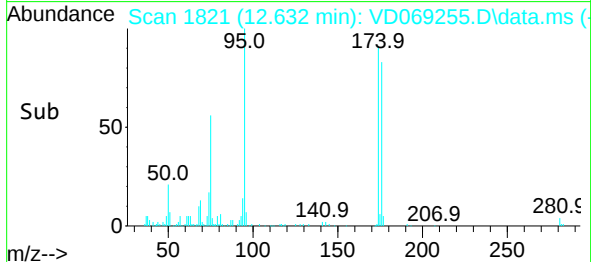
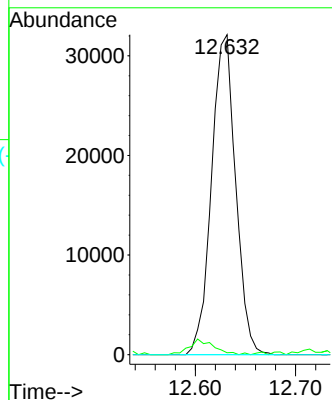
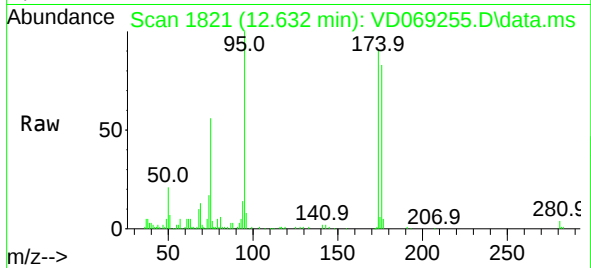




#81
trans-1,4-Dichloro-2-butene
Concen: 134.30 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD069255.D
Acq: 24 May 2021 14:53

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

Tgt Ion: 75 Resp: 53779
Ion Ratio Lower Upper
75 100
53 0.0 70.0 105.0#
89 0.0 40.2 60.2#



#95
Naphthalene
Concen: 2.49 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD069255.D
Acq: 24 May 2021 14:53

Tgt Ion:128 Resp: 1622
Ion Ratio Lower Upper
128 100
127 3.5 10.5 15.7#
129 0.0 8.9 13.3#

