

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052421\
 Data File : VD069257.D
 Acq On : 24 May 2021 15:50
 Operator : VA/SY
 Sample : M2479-02
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MIXED-SUBBASE-GROUND-1-15-D

Quant Time: May 25 00:56:17 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)

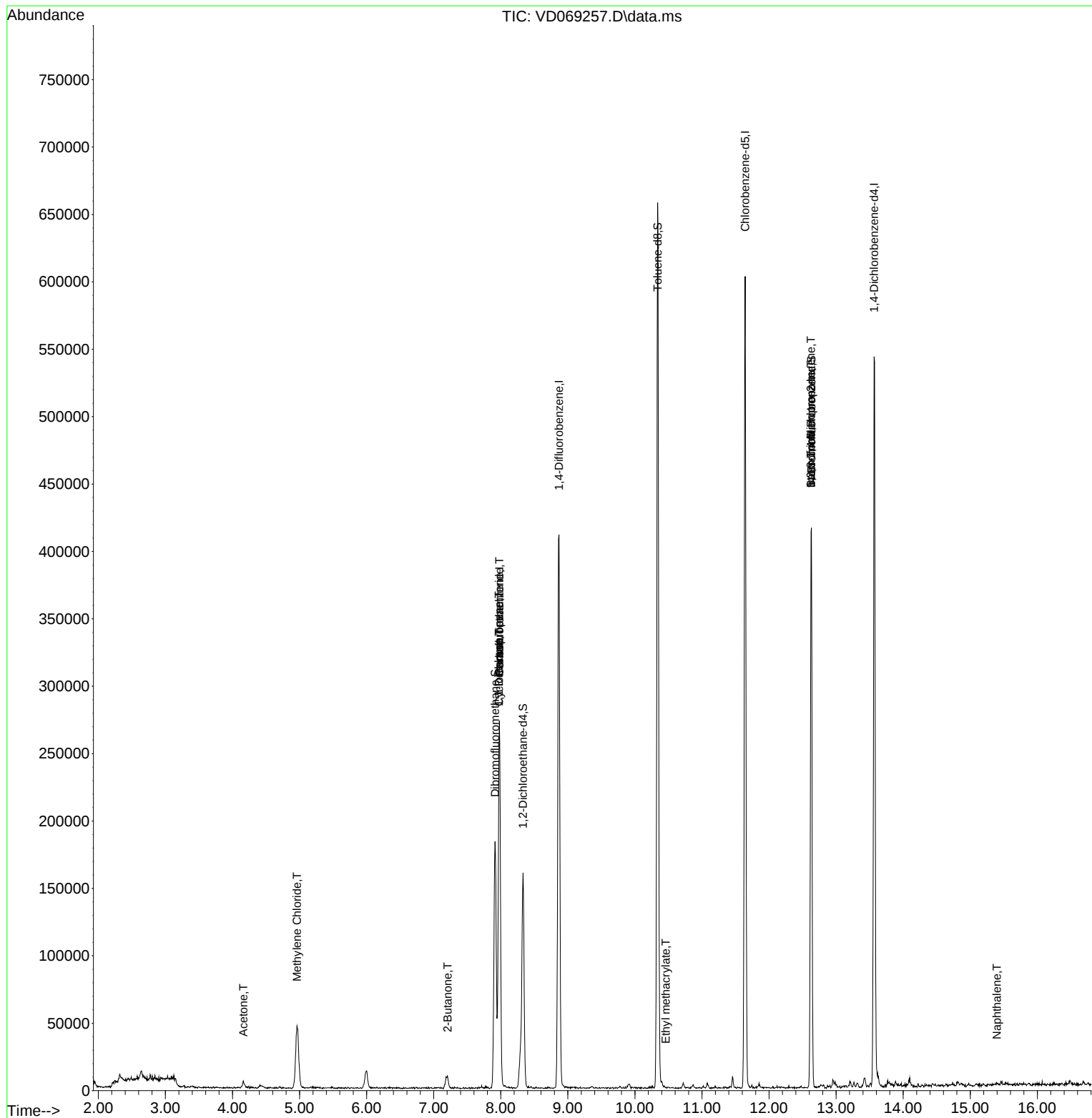
Internal Standards						
1) Pentafluorobenzene	7.979	168	200046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	372015	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	346361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	151455	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	124668	62.16	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.32%			
35) Dibromofluoromethane	7.914	113	136373	56.33	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.66%			
50) Toluene-d8	10.338	98	459076	51.61	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.22%			
62) 4-Bromofluorobenzene	12.632	95	133422	46.61	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.22%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.220	59	71	Below Cal	#	73
16) Acetone	4.162	43	7699	25.07	ug/l	97
20) Methylene Chloride	4.962	84	39928	8.43	ug/l	97
25) 2-Butanone	7.208	43	422	1.01	ug/l #	38
31) Cyclohexane	7.973	56	4905	1.65	ug/l #	61
36) 1,1-Dichloropropene	7.973	75	17202	4.76	ug/l #	47
38) Carbon Tetrachloride	7.979	117	20549	5.08	ug/l #	18
56) Ethyl methacrylate	10.461	69	66	1.35	ug/l #	32
71) Bromoform	12.626	173	1696	1.20	ug/l #	28
76) 1,2,3-Trichloropropane	12.626	75	66886	58.75	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	66886	118.67	ug/l #	14
95) Naphthalene	15.396	128	1731	2.38	ug/l #	88

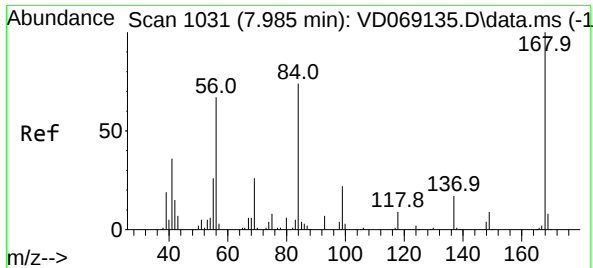
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MIXED-SUBBASE-GROUND-1-15-D

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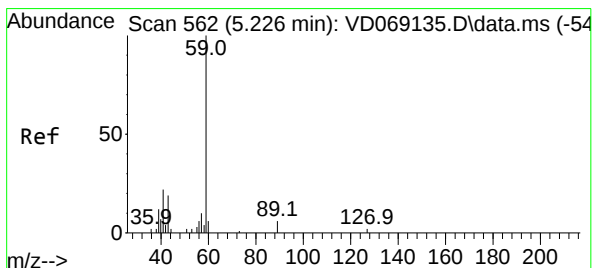
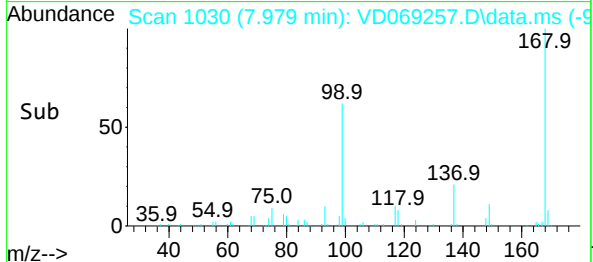
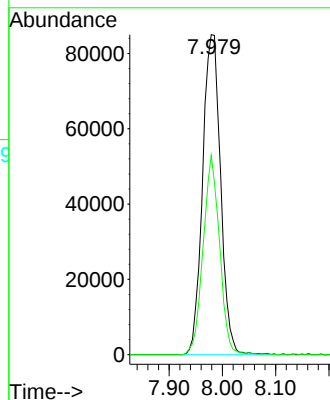
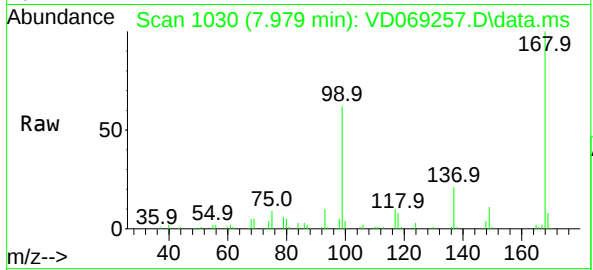




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069257.D
Acq: 24 May 2021 15:50

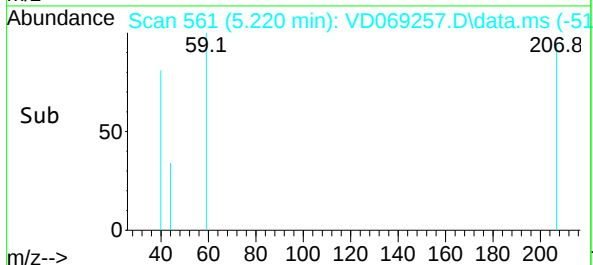
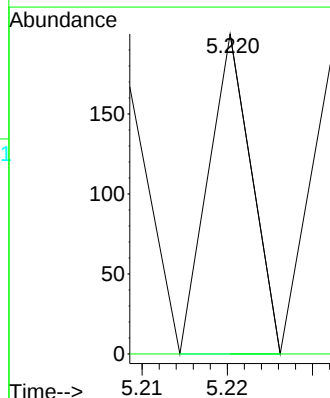
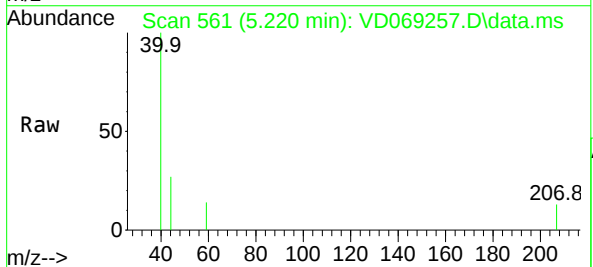
Instrument :
MSVOA_D
ClientSampleId :
MIXED-SUBBASE-GROUND-1-15-D

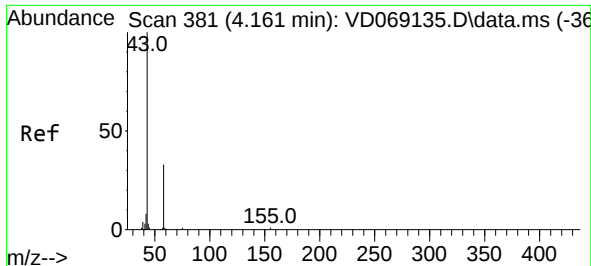
Tgt Ion:168 Resp: 200046
Ion Ratio Lower Upper
168 100
99 62.3 47.2 70.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD069257.D
Acq: 24 May 2021 15:50

Tgt Ion: 59 Resp: 71
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

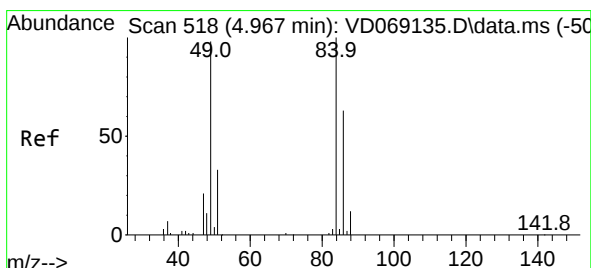
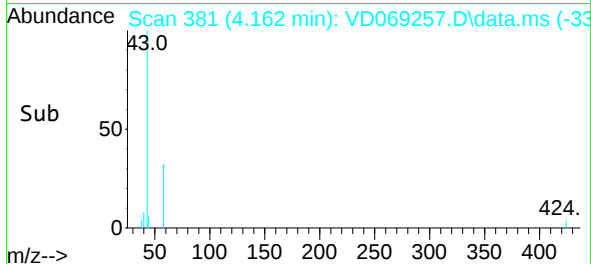
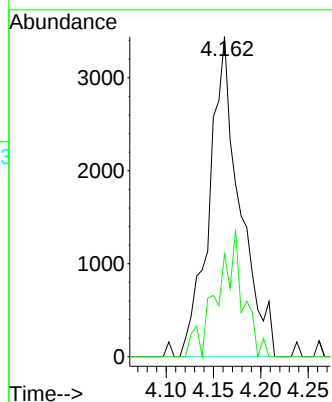
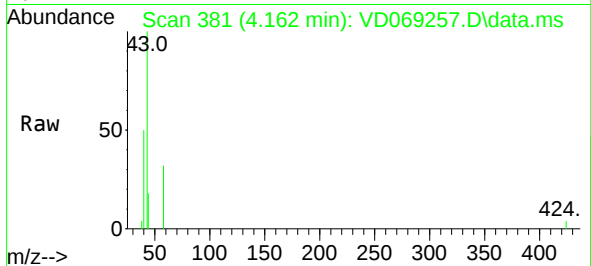




#16
Acetone
Concen: 25.07 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD069257.D
Acq: 24 May 2021 15:50

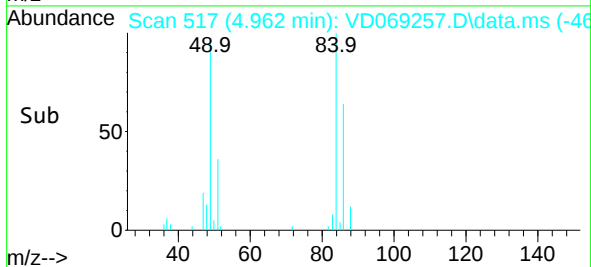
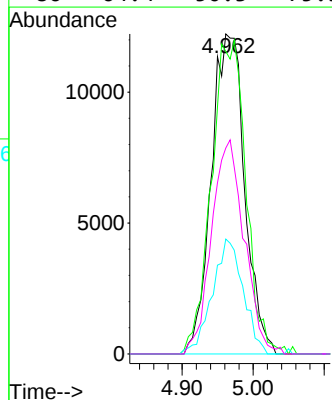
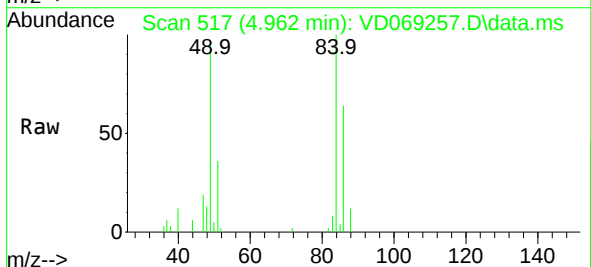
Instrument :
MSVOA_D
ClientSampleId :
MIXED-SUBBASE-GROUND-1-15-D

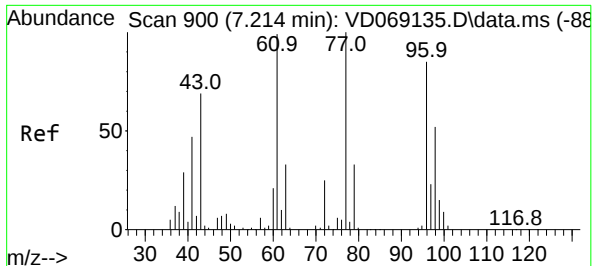
Tgt Ion: 43 Resp: 7699
Ion Ratio Lower Upper
43 100
58 31.9 26.7 40.1



#20
Methylene Chloride
Concen: 8.43 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.005 min
Lab File: VD069257.D
Acq: 24 May 2021 15:50

Tgt Ion: 84 Resp: 39928
Ion Ratio Lower Upper
84 100
49 94.6 78.6 117.8
51 35.9 26.7 40.1
86 64.4 50.3 75.5

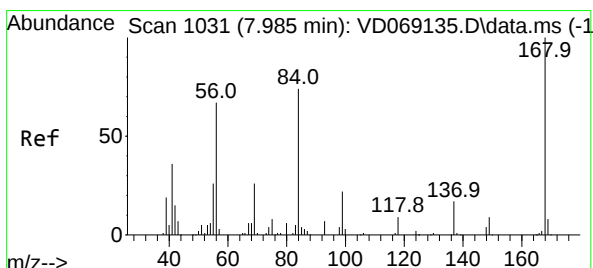
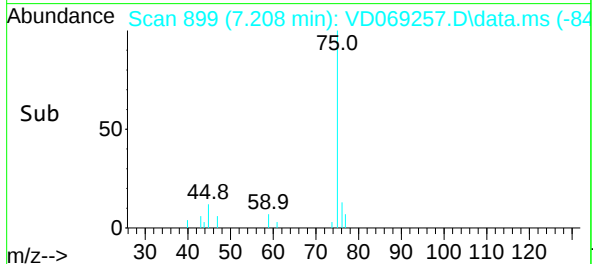
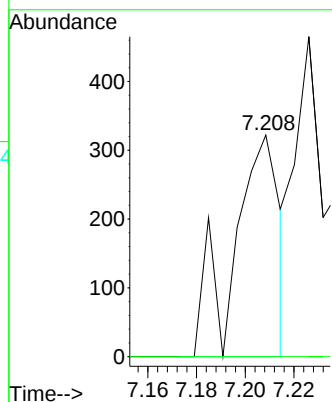
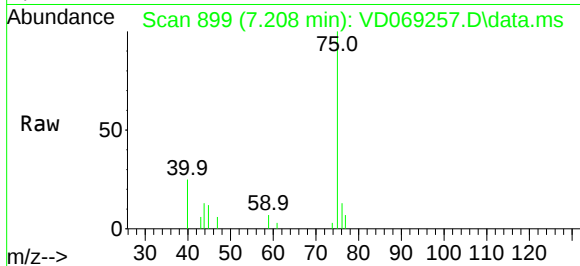




#25
2-Butanone
Concen: 1.01 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069257.D
Acq: 24 May 2021 15:50

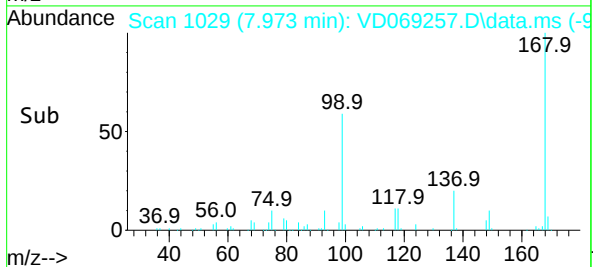
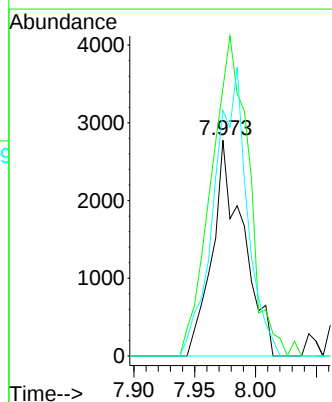
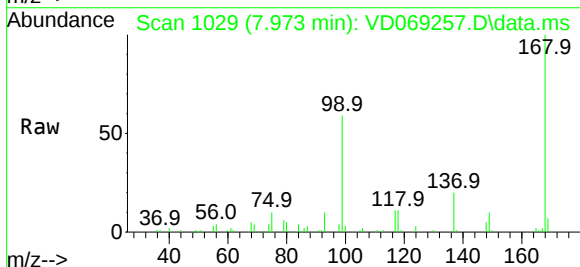
Instrument :
MSVOA_D
ClientSampleId :
MIXED-SUBBASE-GROUND-1-15-D

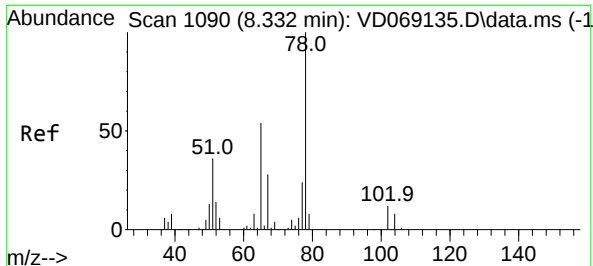
Tgt Ion: 43 Resp: 422
Ion Ratio Lower Upper
43 100
72 0.0 29.1 43.7#



#31
Cyclohexane
Concen: 1.65 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.011 min
Lab File: VD069257.D
Acq: 24 May 2021 15:50

Tgt Ion: 56 Resp: 4905
Ion Ratio Lower Upper
56 100
69 124.1 30.6 46.0#
84 113.8 88.0 132.0

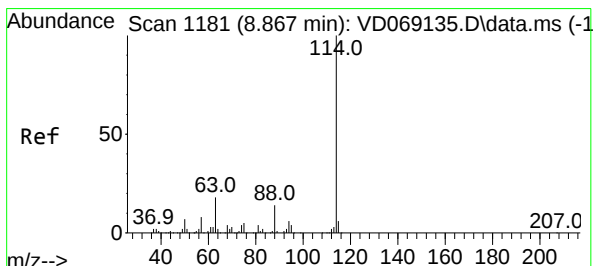
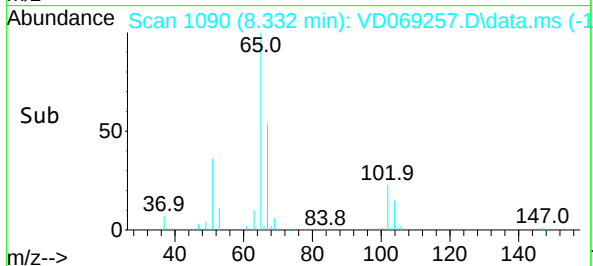
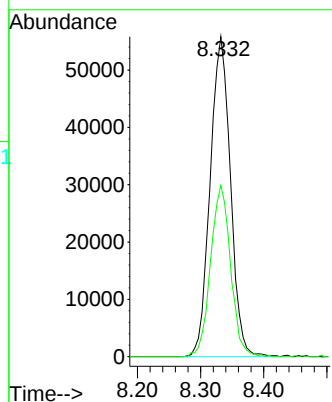
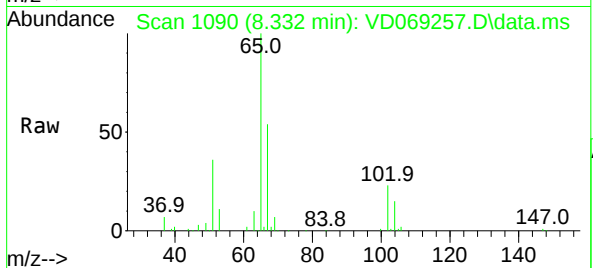




#33
1,2-Dichloroethane-d4
Concen: 62.16 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069257.D
Acq: 24 May 2021 15:50

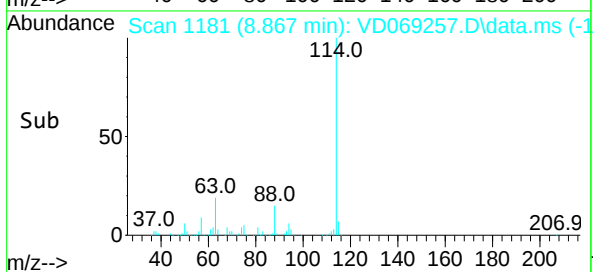
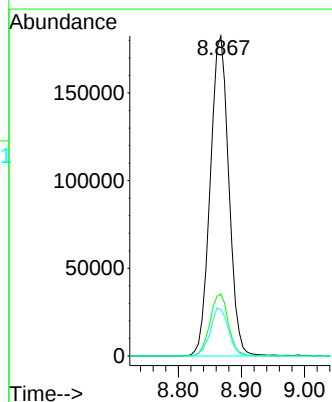
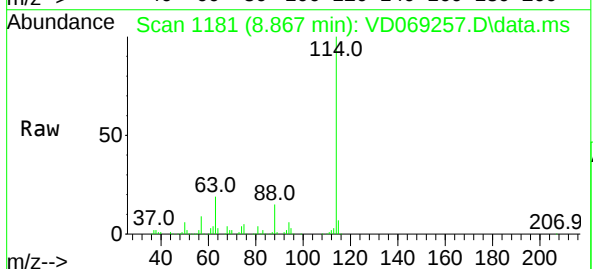
Instrument :
MSVOA_D
ClientSampleId :
MIXED-SUBBASE-GROUND-1-15-D

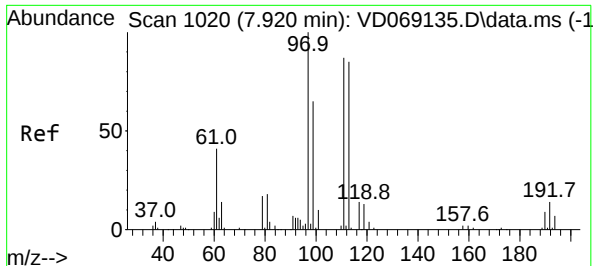
Tgt Ion: 65 Resp: 124668
Ion Ratio Lower Upper
65 100
67 52.7 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069257.D
Acq: 24 May 2021 15:50

Tgt Ion: 114 Resp: 372015
Ion Ratio Lower Upper
114 100
63 19.4 0.0 36.4
88 14.6 0.0 28.2





#35

Dibromofluoromethane

Concen: 56.33 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD069257.D

Acq: 24 May 2021 15:50

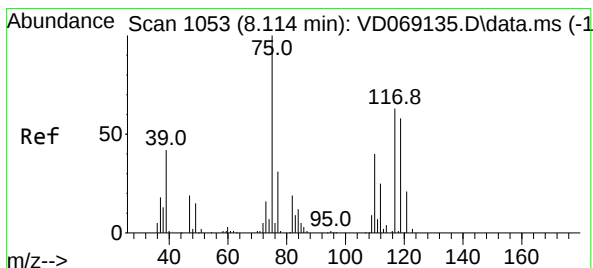
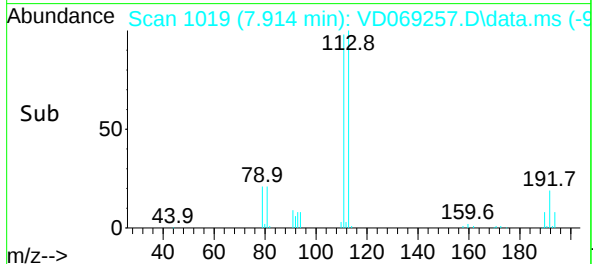
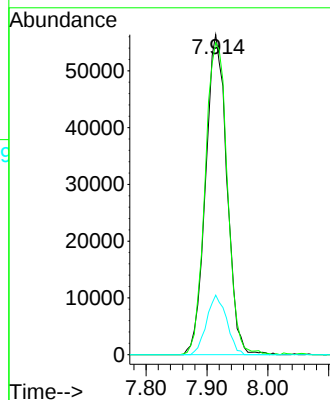
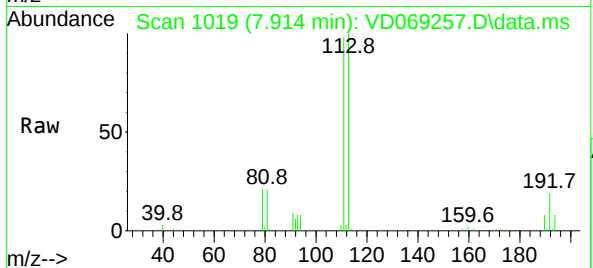
Tgt Ion:113 Resp: 136373

Ion Ratio Lower Upper

113 100

111 102.2 80.6 120.8

192 17.6 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.76 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD069257.D

Acq: 24 May 2021 15:50

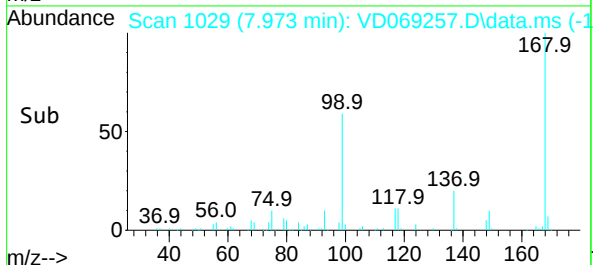
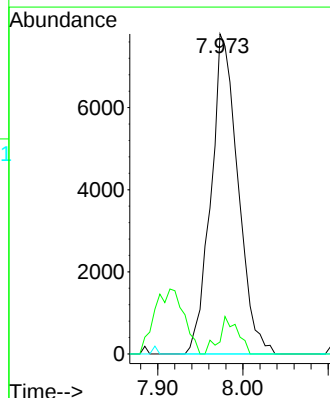
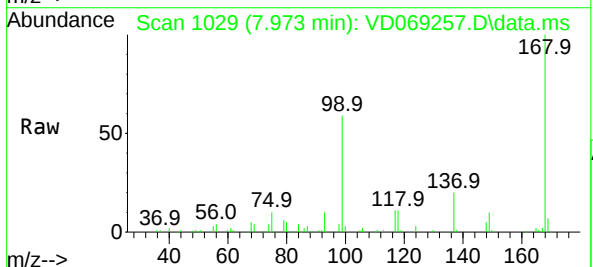
Tgt Ion: 75 Resp: 17202

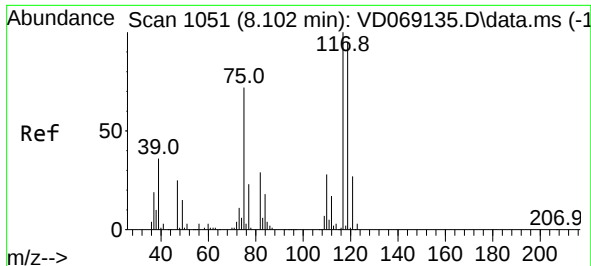
Ion Ratio Lower Upper

75 100

110 7.9 18.8 56.4#

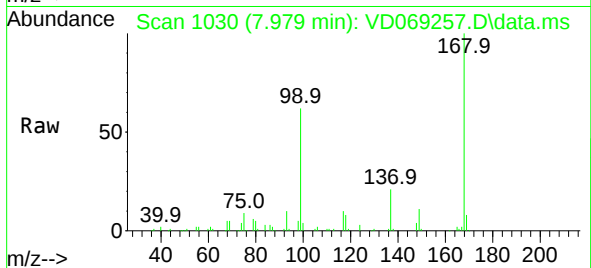
77 0.0 25.2 37.8#



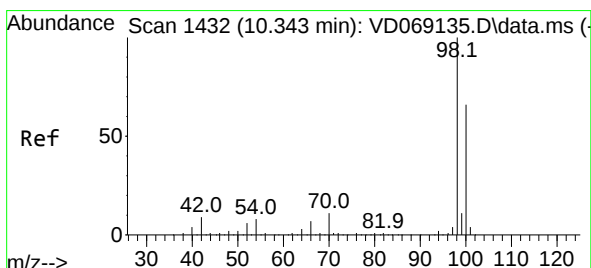
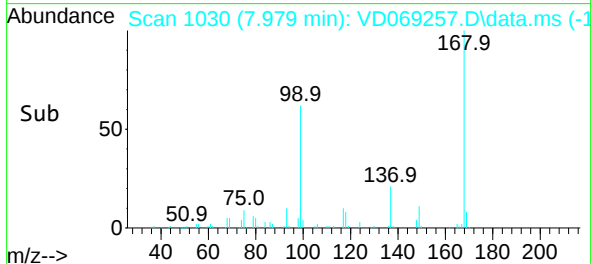
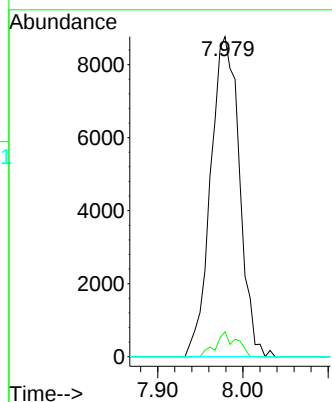


#38
Carbon Tetrachloride
Concen: 5.08 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD069257.D
Acq: 24 May 2021 15:50

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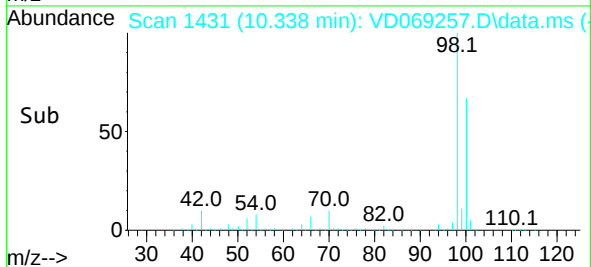
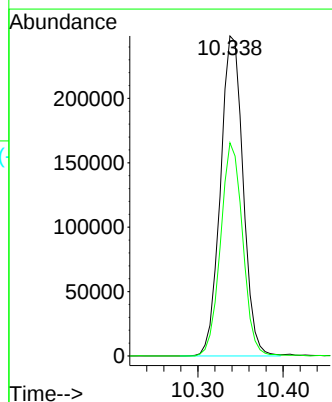
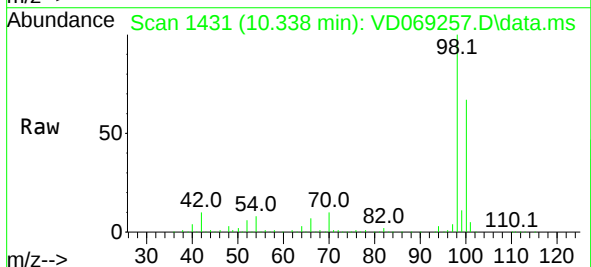


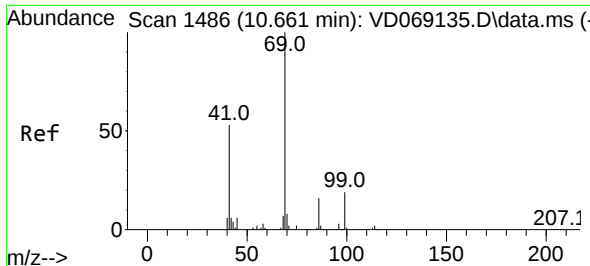
Tgt Ion:117 Resp: 20549
Ion Ratio Lower Upper
117 100
119 7.8 76.2 114.2#
121 0.0 21.9 32.9#



#50
Toluene-d8
Concen: 51.61 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD069257.D
Acq: 24 May 2021 15:50

Tgt Ion: 98 Resp: 459076
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.8

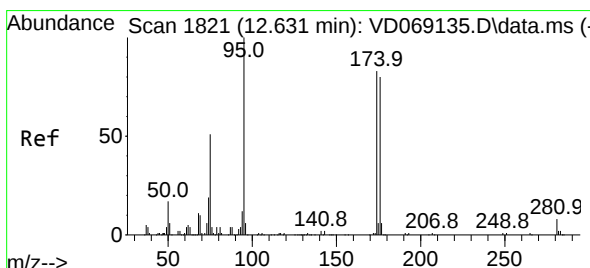
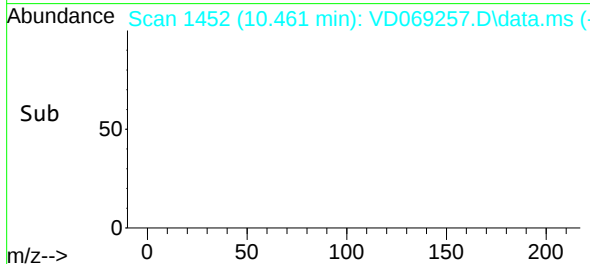
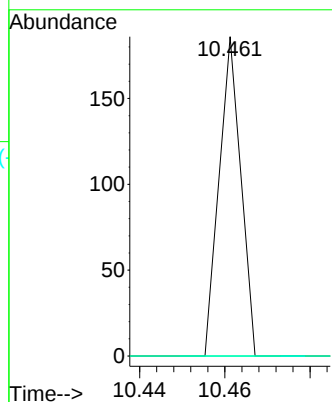
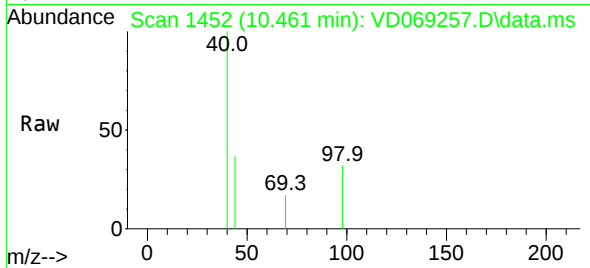




#56
Ethyl methacrylate
Concen: 1.35 ug/l
RT: 10.461 min Scan# 1452
Delta R.T. -0.200 min
Lab File: VD069257.D
Acq: 24 May 2021 15:50

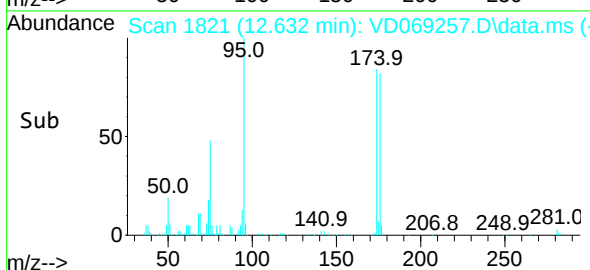
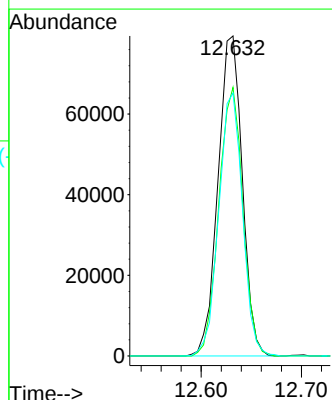
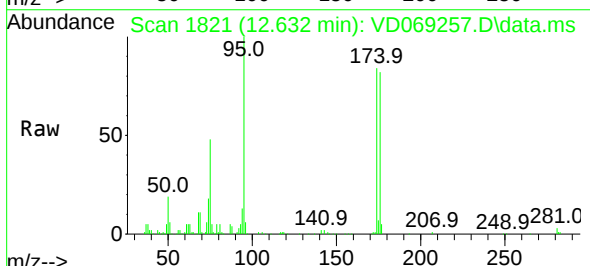
Instrument :
MSVOA_D
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MIXED-SUBBASE-GROUND-1-15-D

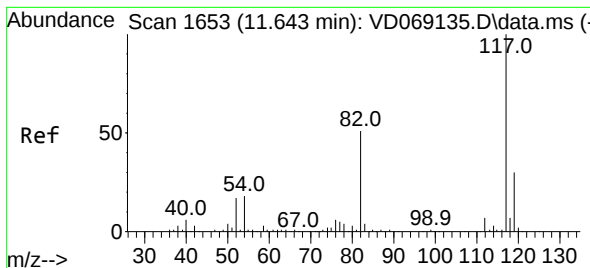
Tgt Ion:	69	Resp:	66
Ion	Ratio	Lower	Upper
69	100		
41	0.0	42.2	63.2#
39	0.0	26.3	39.5#



#62
4-Bromofluorobenzene
Concen: 46.61 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD069257.D
Acq: 24 May 2021 15:50

Tgt Ion:	95	Resp:	133422
Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	171.8
176	80.3	0.0	165.4

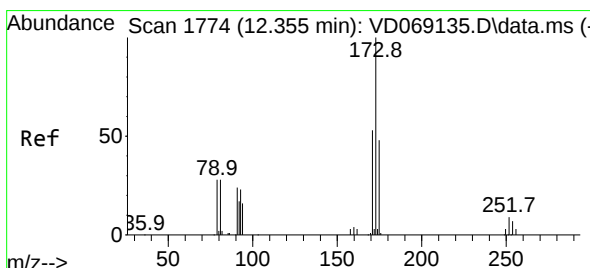
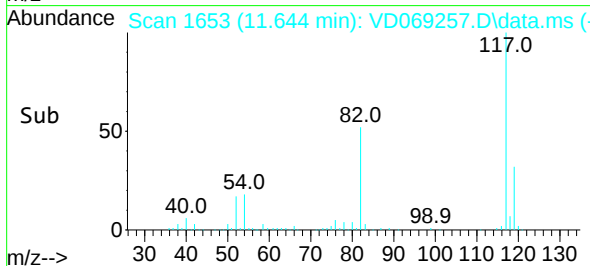
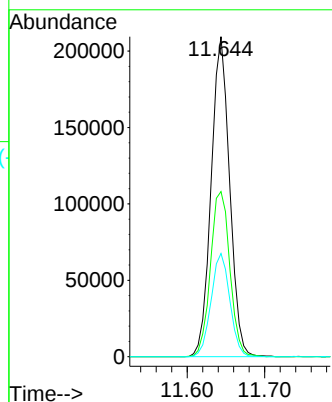
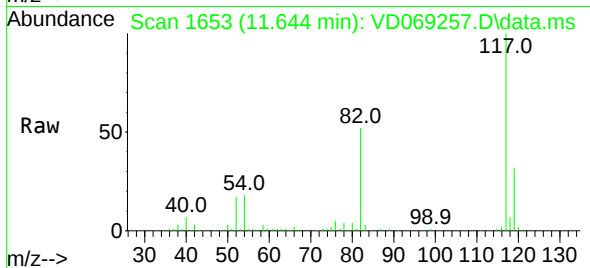




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069257.D
Acq: 24 May 2021 15:50

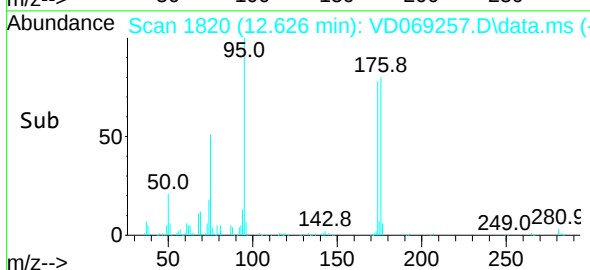
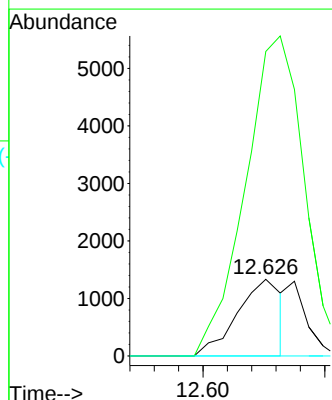
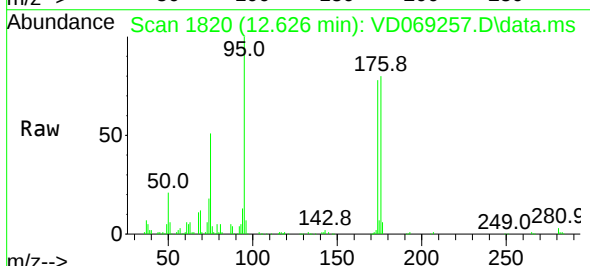
Instrument :
MSVOA_D
ClientSampleId :
MIXED-SUBBASE-GROUND-1-15-D

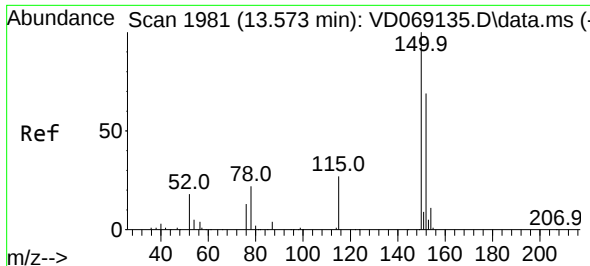
Tgt Ion:117 Resp: 346361
Ion Ratio Lower Upper
117 100
82 51.6 40.5 60.7
119 32.2 24.2 36.4



#71
Bromoform
Concen: 1.20 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069257.D
Acq: 24 May 2021 15:50

Tgt Ion:173 Resp: 1696
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0

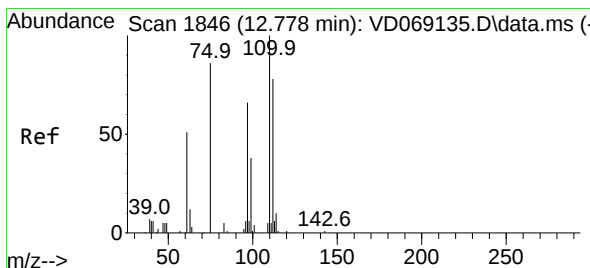
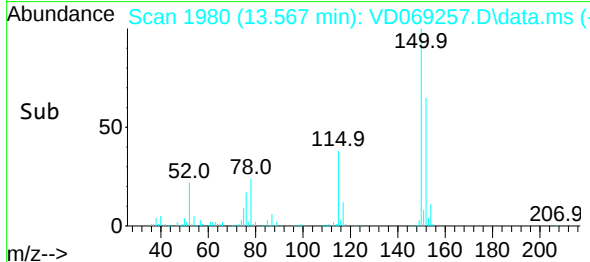
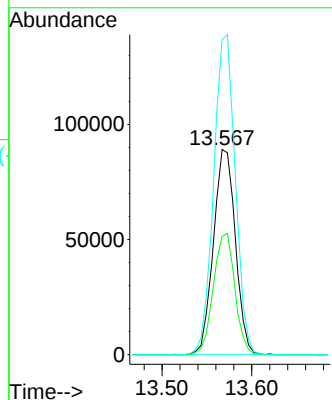
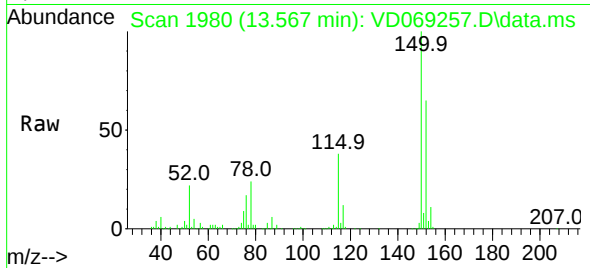




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD069257.D
Acq: 24 May 2021 15:50

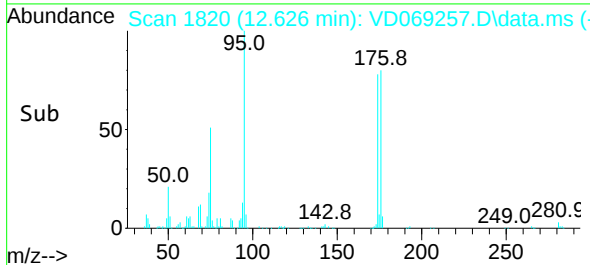
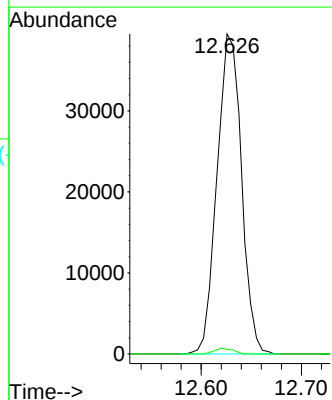
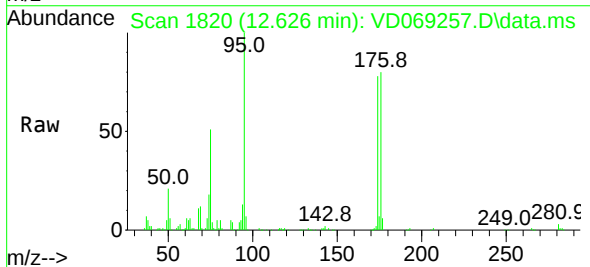
Instrument :
MSVOA_D
ClientSampleId :
MIXED-SUBBASE-GROUND-1-15-D

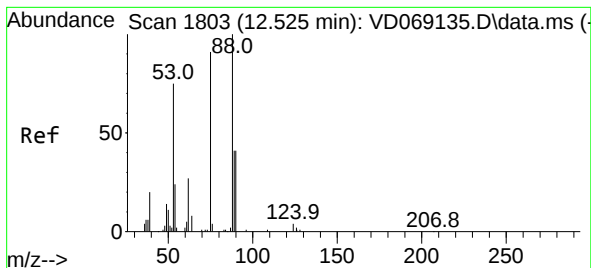
Tgt Ion:152 Resp: 151455
Ion Ratio Lower Upper
152 100
115 57.8 29.9 89.8
150 153.5 0.0 350.2



#76
1,2,3-Trichloropropane
Concen: 58.75 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069257.D
Acq: 24 May 2021 15:50

Tgt Ion: 75 Resp: 66886
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

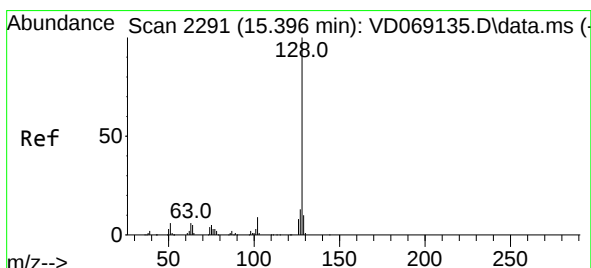
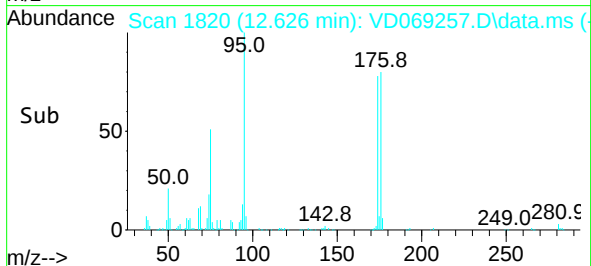
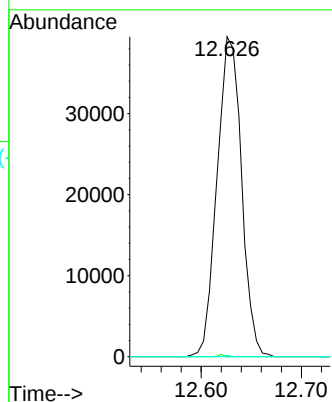
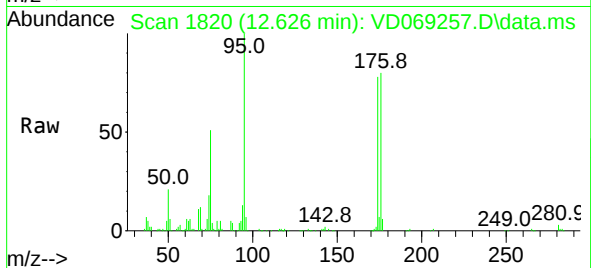




#81
trans-1,4-Dichloro-2-butene
Concen: 118.67 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069257.D
Acq: 24 May 2021 15:50

Instrument :
MSVOA_D
ClientSampleId :
MIXED-SUBBASE-GROUND-1-15-D

Tgt Ion: 75 Resp: 66886
Ion Ratio Lower Upper
75 100
53 0.1 70.0 105.0#
89 0.1 40.2 60.2#



#95
Naphthalene
Concen: 2.38 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD069257.D
Acq: 24 May 2021 15:50

Tgt Ion: 128 Resp: 1731
Ion Ratio Lower Upper
128 100
127 11.7 10.5 15.7
129 3.1 8.9 13.3#

