

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051921\
 Data File : VD069196.D
 Acq On : 19 May 2021 15:01
 Operator : VA/SY
 Sample : M2435-04RE
 Misc : 6.38G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 20 01:01:29 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)

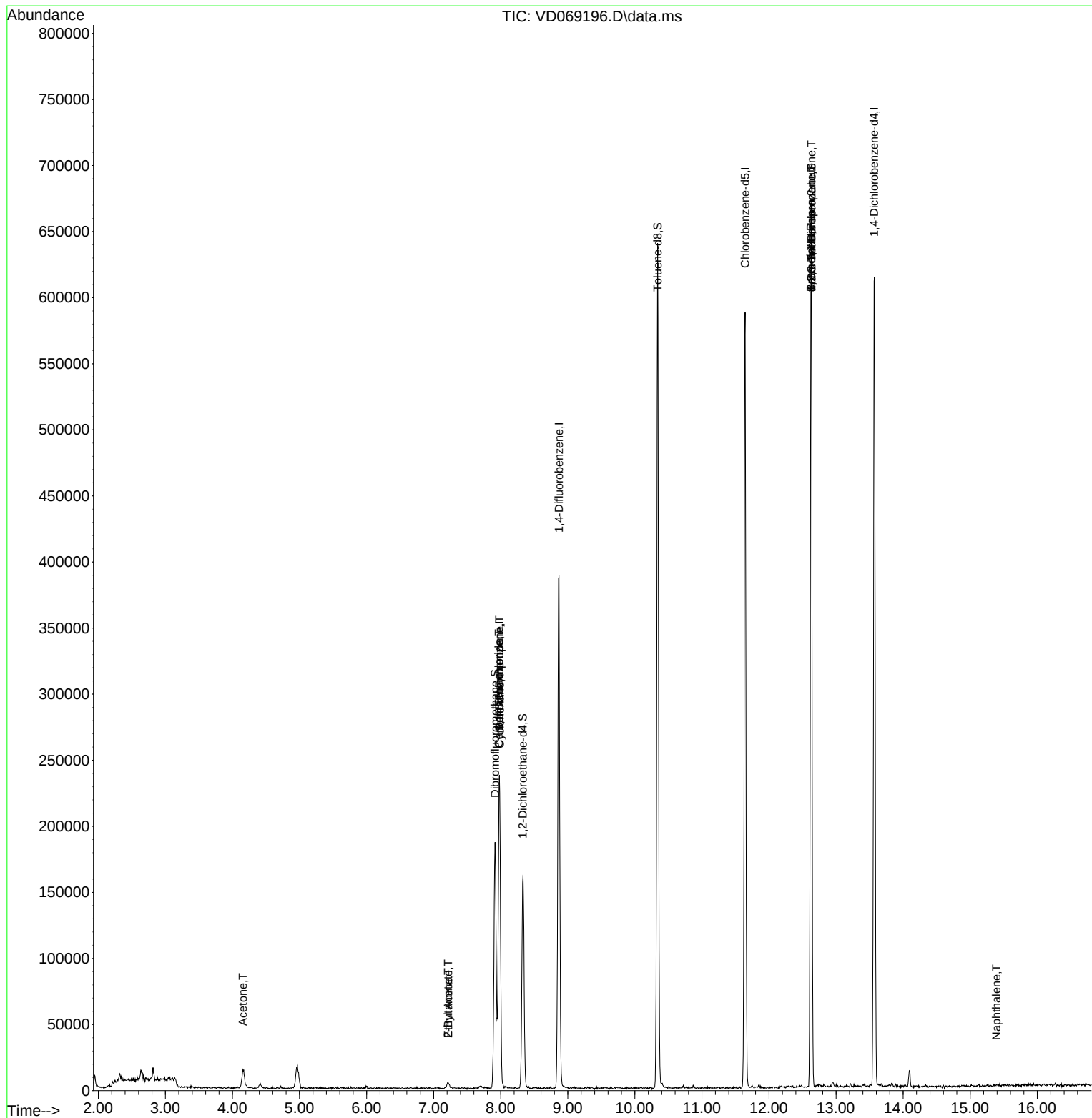
Internal Standards						
1) Pentafluorobenzene	7.979	168	176163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	338242	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	350520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	172278	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	129061	73.08	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 146.16%			
35) Dibromofluoromethane	7.914	113	130383	59.23	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 118.46%			
50) Toluene-d8	10.338	98	430038	53.17	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.34%			
62) 4-Bromofluorobenzene	12.632	95	168775	64.85	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 129.70%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.238	59	248	Below Cal	#	73
16) Acetone	4.156	43	23654	87.45	ug/l	95
20) Methylene Chloride	4.962	84	13807	Below Cal		97
25) 2-Butanone	7.214	43	6228	16.99	ug/l #	86
31) Cyclohexane	7.985	56	4653	1.78	ug/l #	46
36) 1,1-Dichloropropene	7.979	75	14555	4.43	ug/l #	49
37) Ethyl Acetate	7.214	43	6228	5.89	ug/l #	67
38) Carbon Tetrachloride	7.973	117	18828	5.12	ug/l #	15
71) Bromoform	12.626	173	1574	1.10	ug/l #	1
76) 1,2,3-Trichloropropane	12.632	75	85930	66.35	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	85930	134.03	ug/l #	14
95) Naphthalene	15.390	128	272	2.09	ug/l #	69

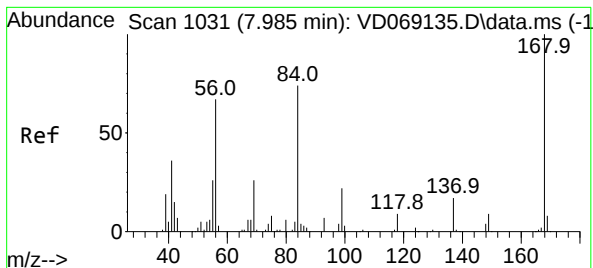
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 20 01:01:29 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

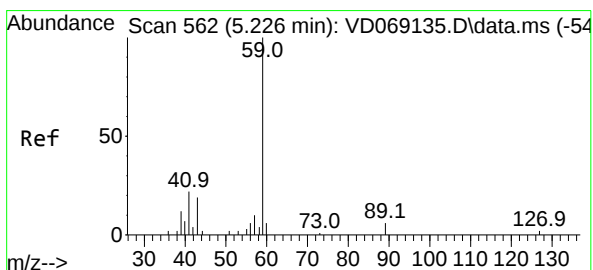
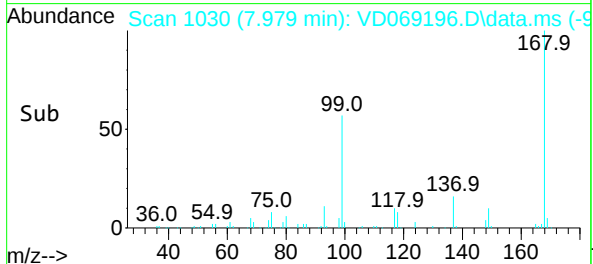
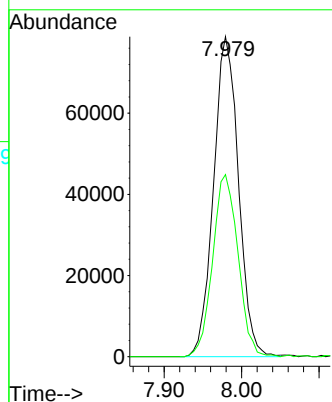
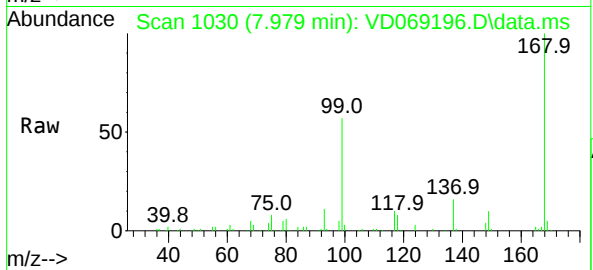




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069196.D
Acq: 19 May 2021 15:01

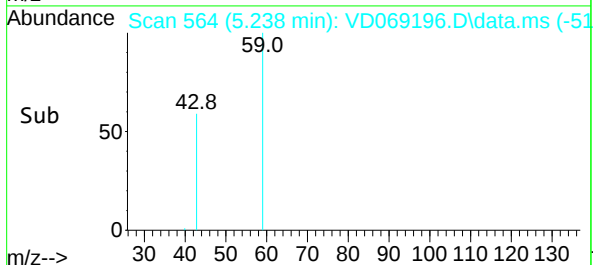
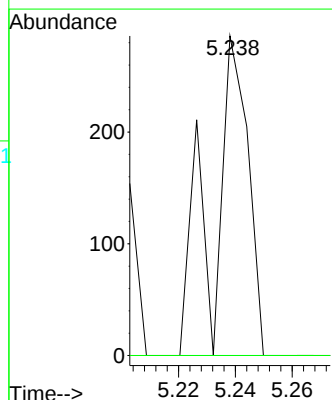
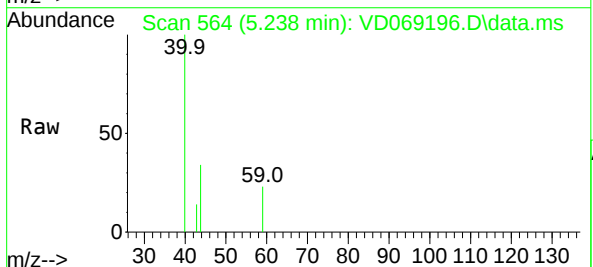
Instrument :
MSVOA_D
ClientSampleId :

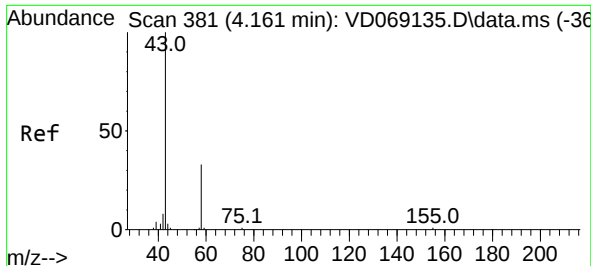
Tgt Ion:168 Resp: 176163
Ion Ratio Lower Upper
168 100
99 56.9 47.2 70.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.238 min Scan# 564
Delta R.T. 0.012 min
Lab File: VD069196.D
Acq: 19 May 2021 15:01

Tgt Ion: 59 Resp: 248
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

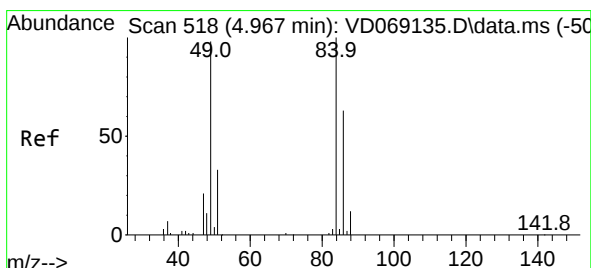
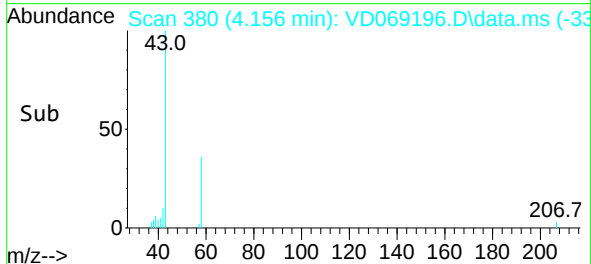
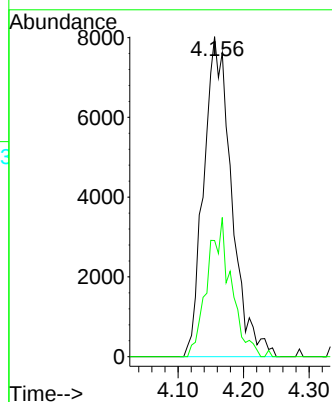
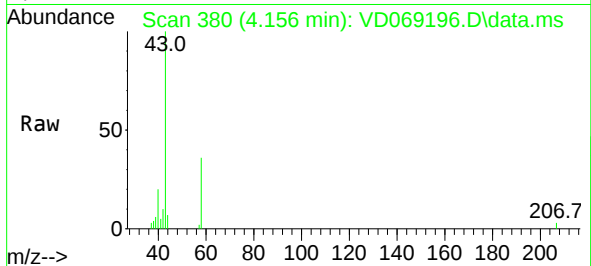




#16
Acetone
Concen: 87.45 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.005 min
Lab File: VD069196.D
Acq: 19 May 2021 15:01

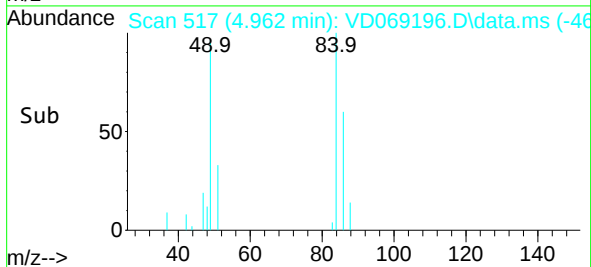
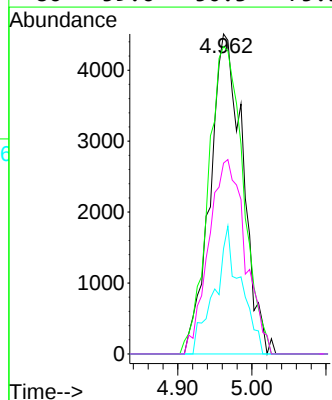
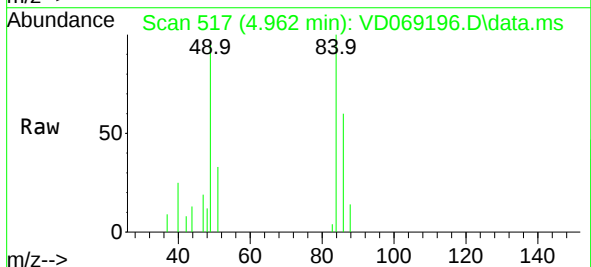
Instrument :
MSVOA_D
ClientSampleId :

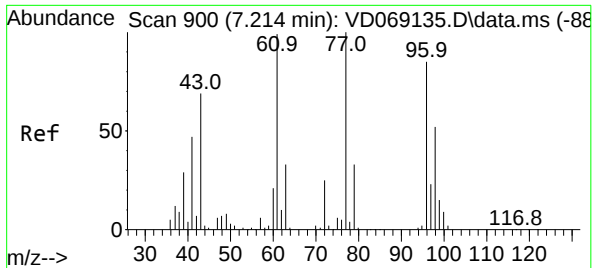
Tgt Ion: 43 Resp: 23654
Ion Ratio Lower Upper
43 100
58 36.3 26.7 40.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.005 min
Lab File: VD069196.D
Acq: 19 May 2021 15:01

Tgt Ion: 84 Resp: 13807
Ion Ratio Lower Upper
84 100
49 96.1 78.6 117.8
51 33.0 26.7 40.1
86 59.6 50.3 75.5

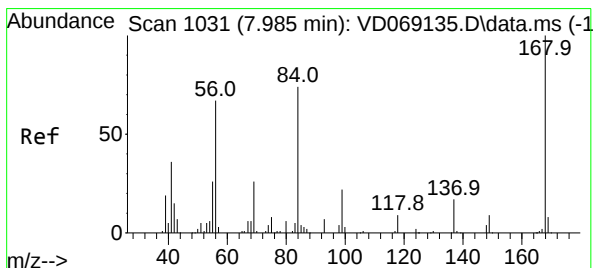
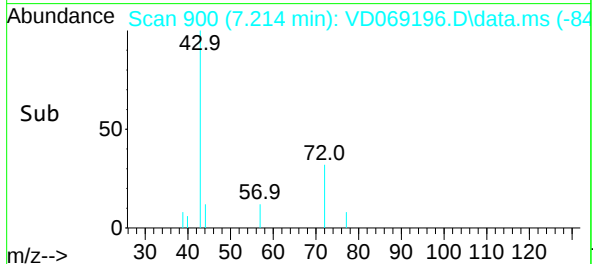
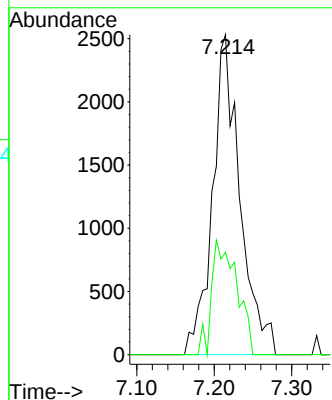
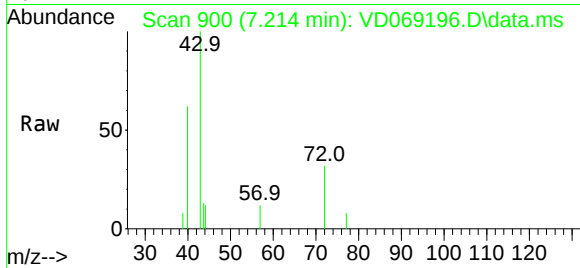




#25
2-Butanone
Concen: 16.99 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD069196.D
Acq: 19 May 2021 15:01

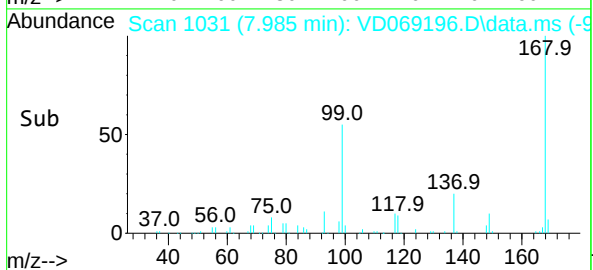
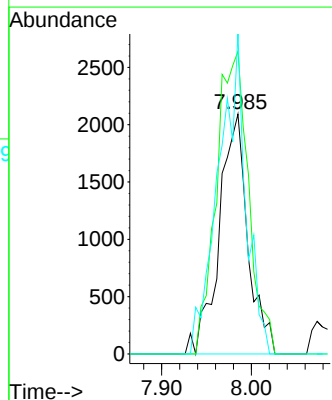
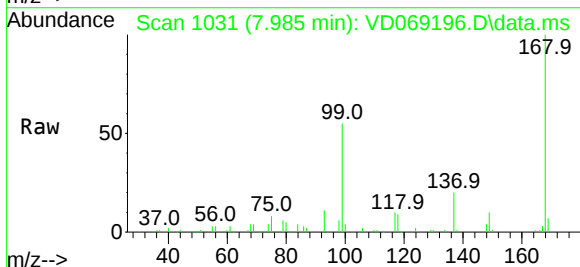
Instrument :
MSVOA_D
ClientSampleId :

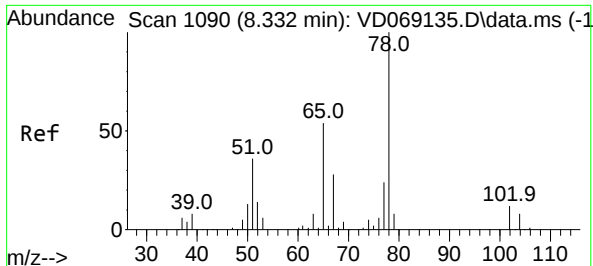
Tgt Ion: 43 Resp: 6228
Ion Ratio Lower Upper
43 100
72 28.3 29.1 43.7#



#31
Cyclohexane
Concen: 1.78 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD069196.D
Acq: 19 May 2021 15:01

Tgt Ion: 56 Resp: 4653
Ion Ratio Lower Upper
56 100
69 126.1 30.6 46.0#
84 133.4 88.0 132.0#





#33

1,2-Dichloroethane-d4

Concen: 73.08 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.005 min

Lab File: VD069196.D

Acq: 19 May 2021 15:01

Tgt Ion: 65 Resp: 129061

Ion Ratio Lower Upper

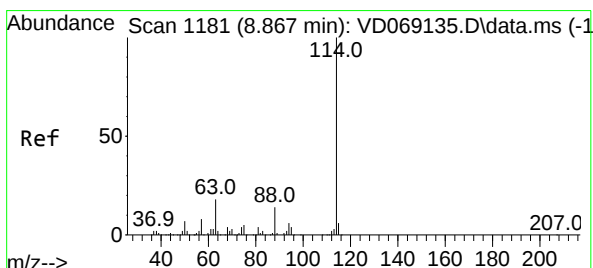
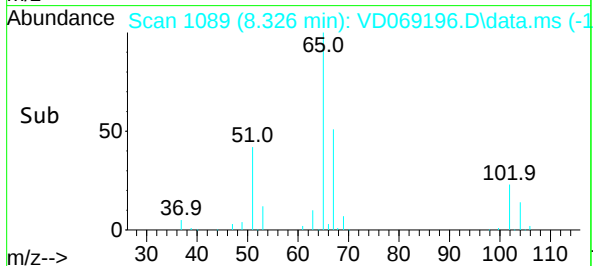
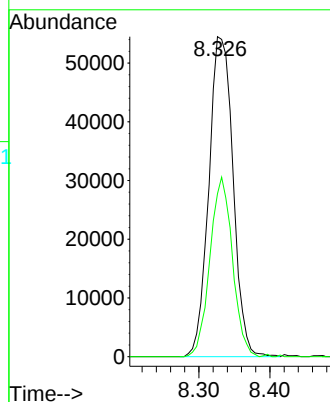
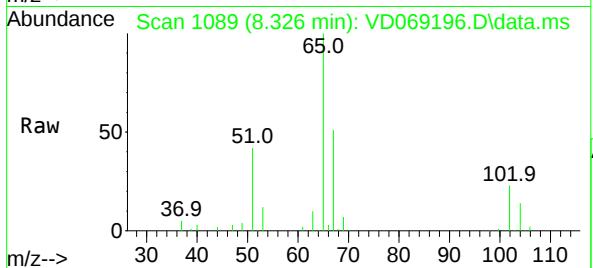
65 100

67 52.0 0.0 108.0

Instrument :

MSVOA_D

ClientSampleId :



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VD069196.D

Acq: 19 May 2021 15:01

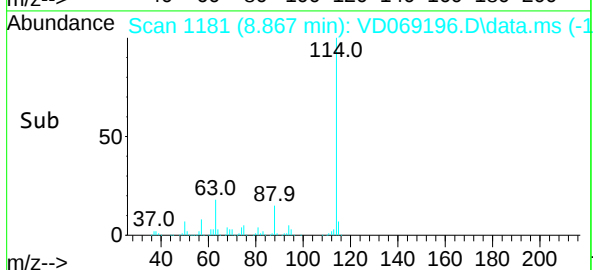
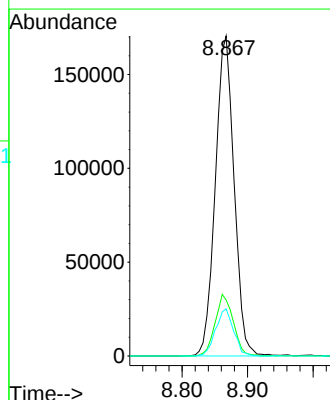
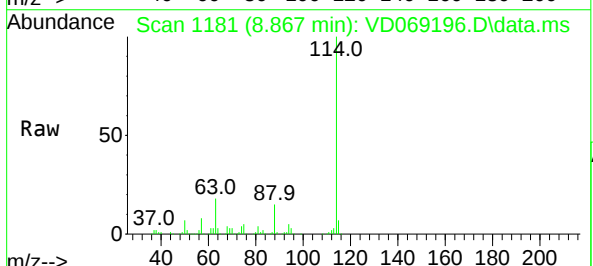
Tgt Ion: 114 Resp: 338242

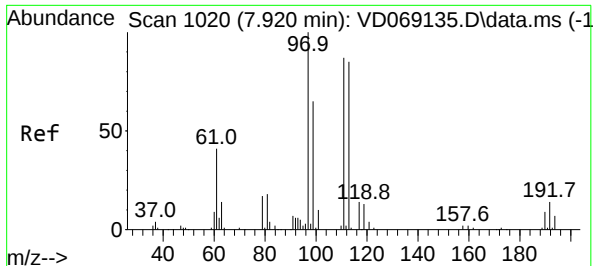
Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.4

88 14.7 0.0 28.2





#35

Dibromofluoromethane

Concen: 59.23 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.005 min

Lab File: VD069196.D

Acq: 19 May 2021 15:01

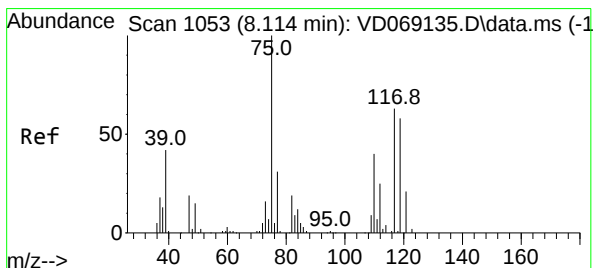
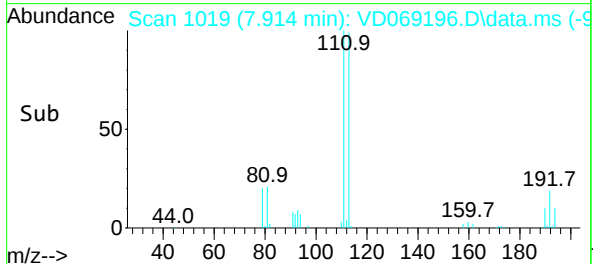
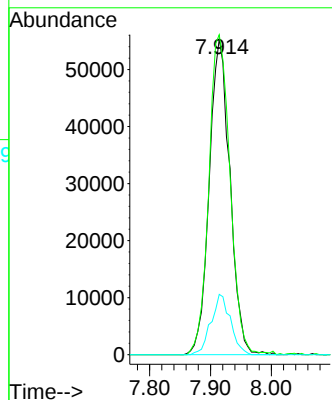
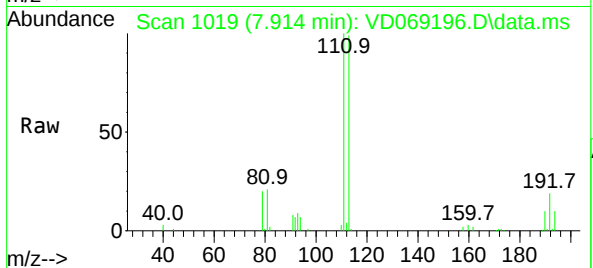
Tgt Ion:113 Resp: 130383

Ion Ratio Lower Upper

113 100

111 104.2 80.6 120.8

192 18.0 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: VD069196.D

Acq: 19 May 2021 15:01

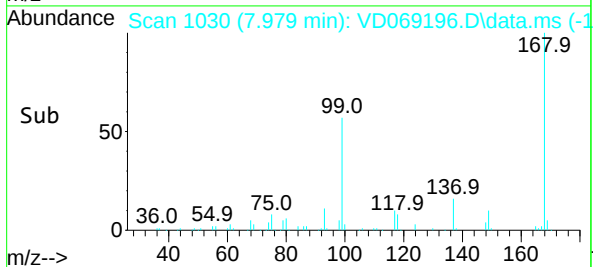
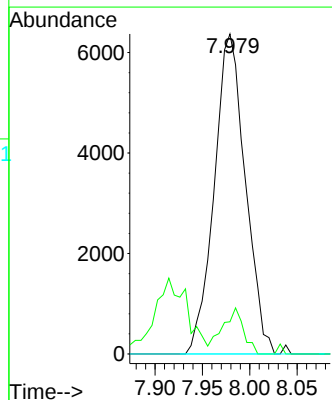
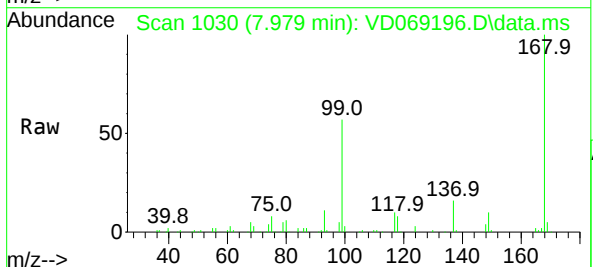
Tgt Ion: 75 Resp: 14555

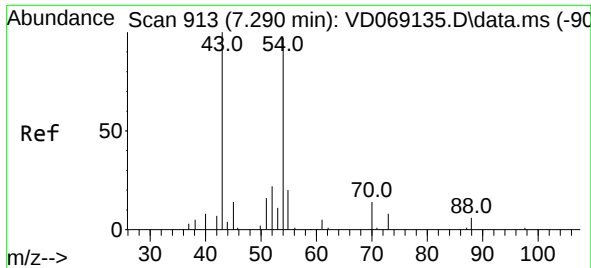
Ion Ratio Lower Upper

75 100

110 9.8 18.8 56.4#

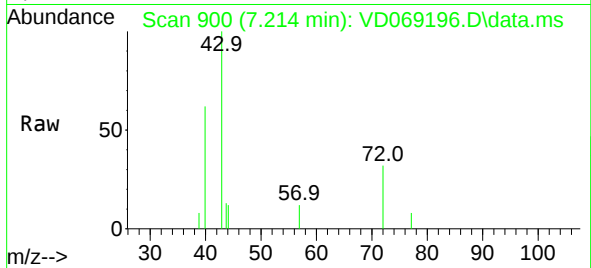
77 0.0 25.2 37.8#



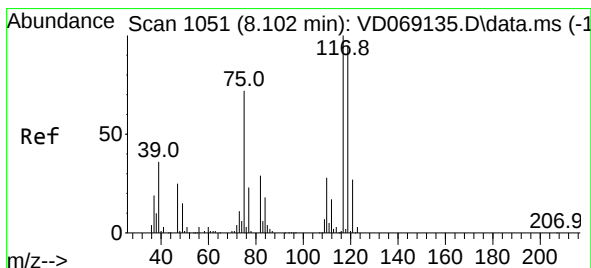
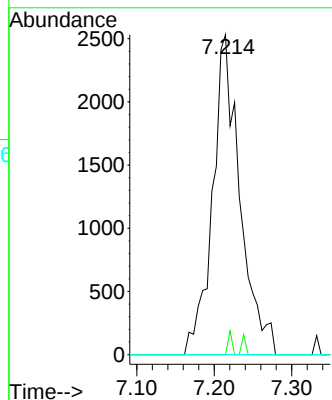
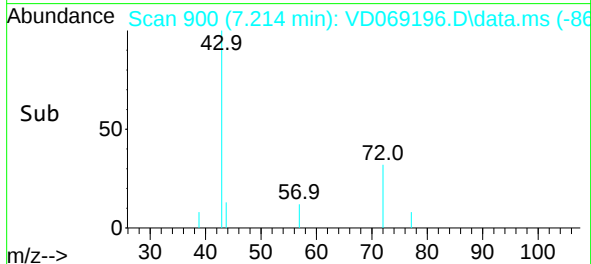


#37
Ethyl Acetate
Concen: 5.89 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.076 min
Lab File: VD069196.D
Acq: 19 May 2021 15:01

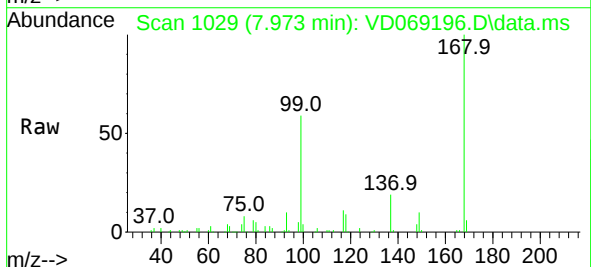
Instrument :
MSVOA_D
ClientSampled :



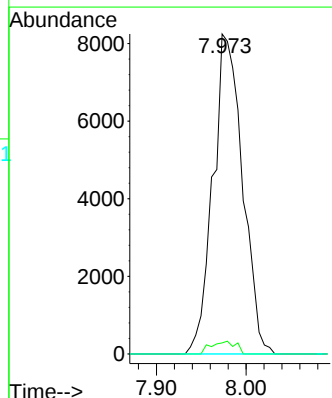
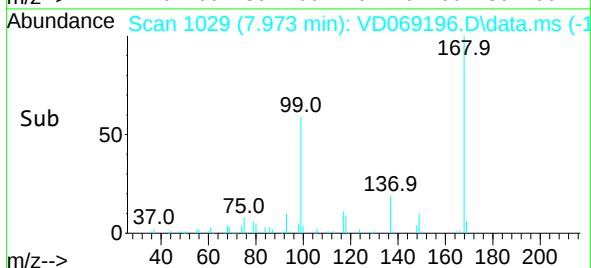
Tgt Ion: 43 Resp: 6228
Ion Ratio Lower Upper
43 100
61 1.1 11.5 17.3#
70 0.0 10.4 15.6#

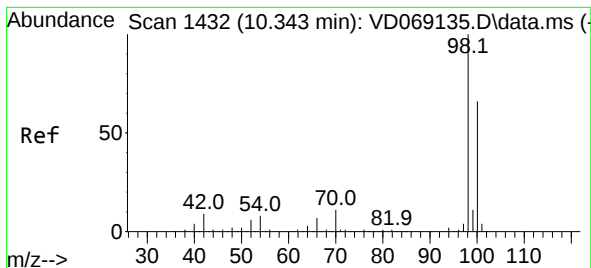


#38
Carbon Tetrachloride
Concen: 5.12 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.129 min
Lab File: VD069196.D
Acq: 19 May 2021 15:01



Tgt Ion: 117 Resp: 18828
Ion Ratio Lower Upper
117 100
119 3.5 76.2 114.2#
121 0.0 21.9 32.9#

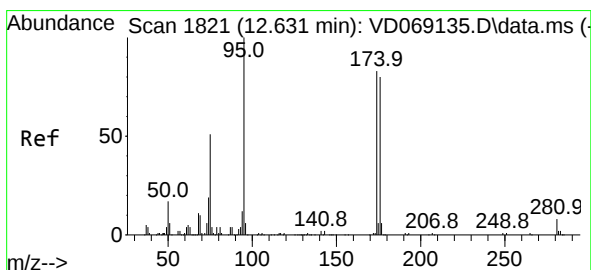
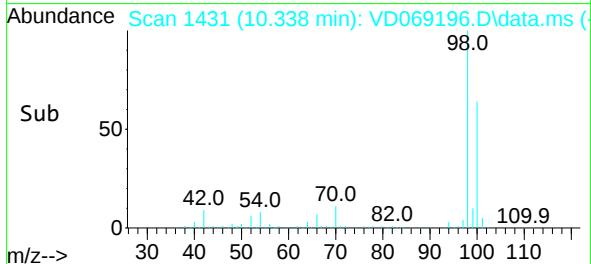
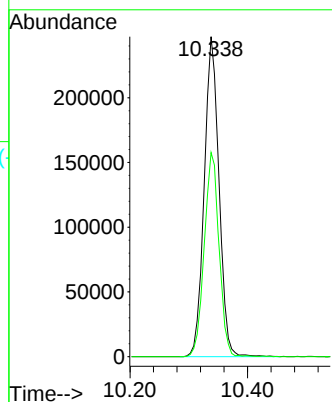
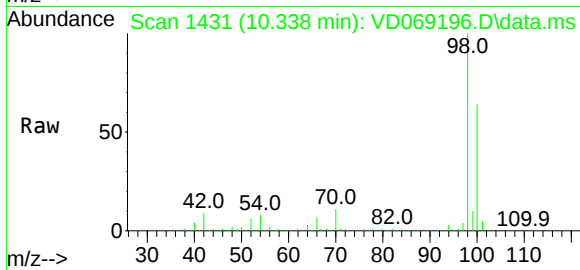




#50
Toluene-d8
Concen: 53.17 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.005 min
Lab File: VD069196.D
Acq: 19 May 2021 15:01

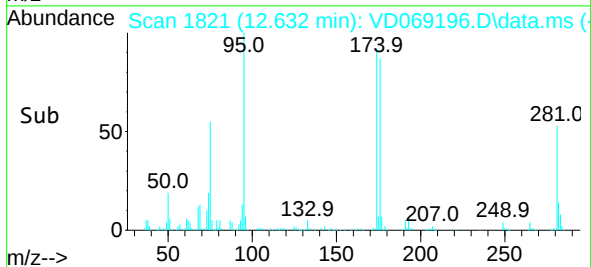
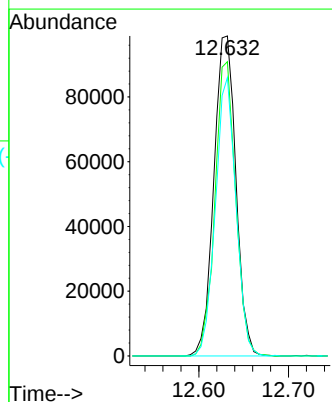
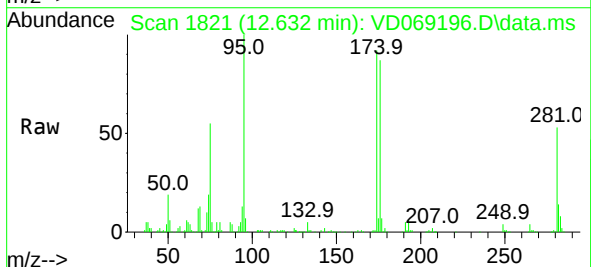
Instrument :
MSVOA_D
ClientSampleId :

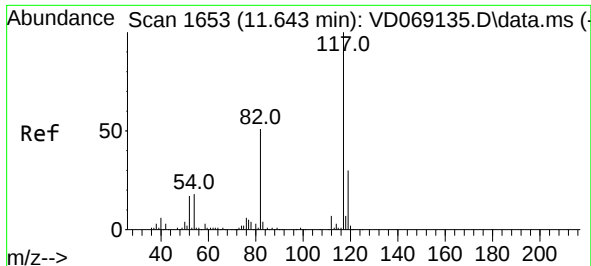
Tgt Ion: 98 Resp: 430038
Ion Ratio Lower Upper
98 100
100 63.9 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 64.85 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD069196.D
Acq: 19 May 2021 15:01

Tgt Ion: 95 Resp: 168775
Ion Ratio Lower Upper
95 100
174 86.3 0.0 171.8
176 80.9 0.0 165.4

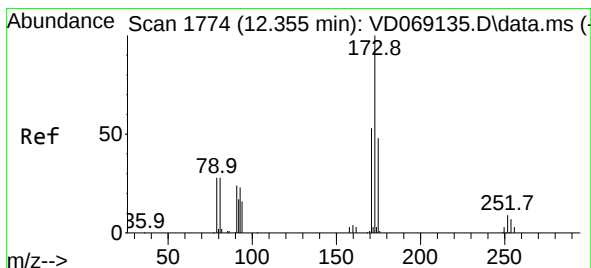
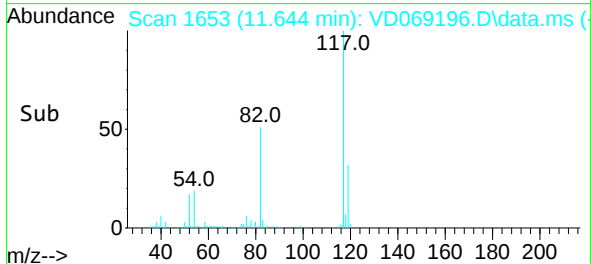
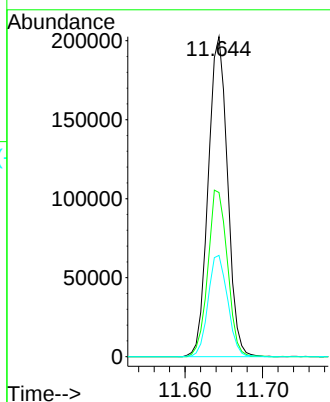
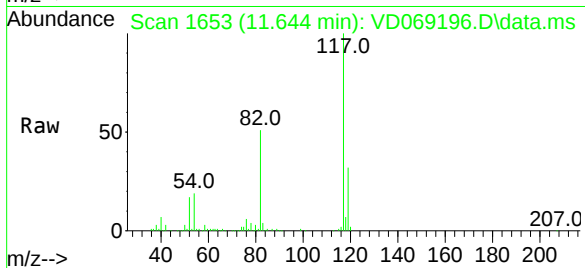




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069196.D
Acq: 19 May 2021 15:01

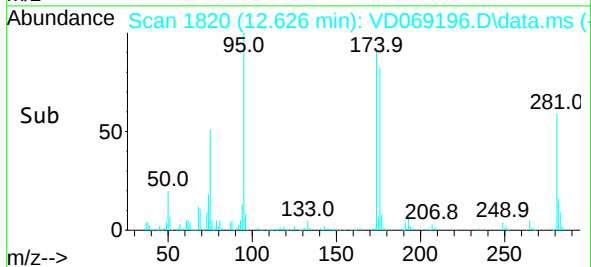
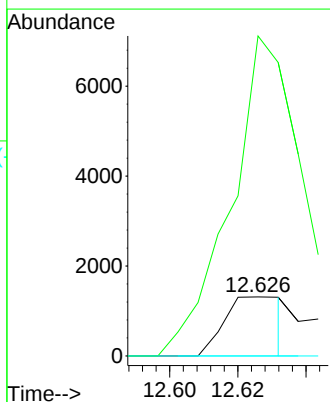
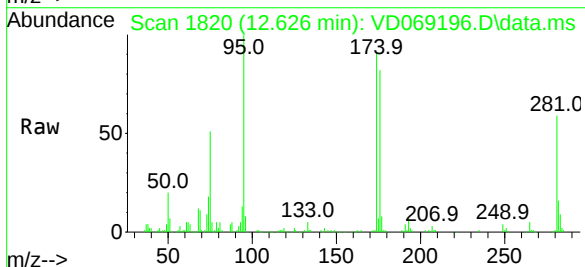
Instrument :
MSVOA_D
ClientSampleId :

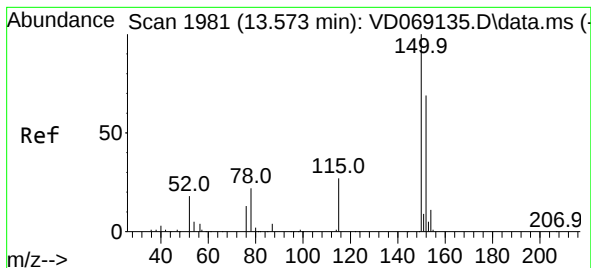
Tgt Ion:117 Resp: 350520
Ion Ratio Lower Upper
117 100
82 51.3 40.5 60.7
119 31.7 24.2 36.4



#71
Bromoform
Concen: 1.10 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069196.D
Acq: 19 May 2021 15:01

Tgt Ion:173 Resp: 1574
Ion Ratio Lower Upper
173 100
175 485.0 24.3 73.0#
254 0.0 0.0 0.0

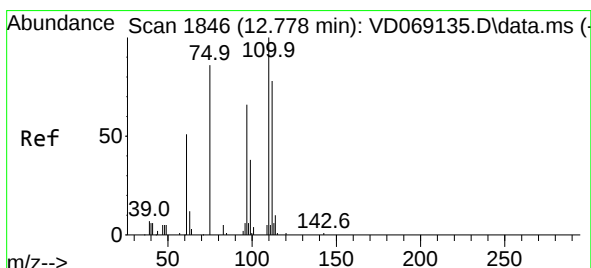
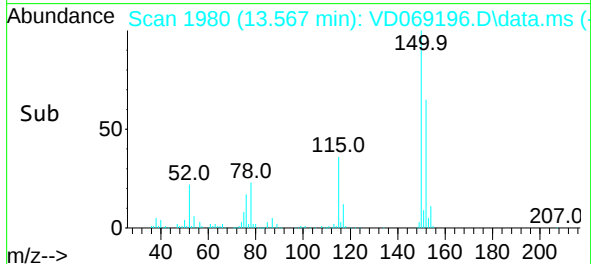
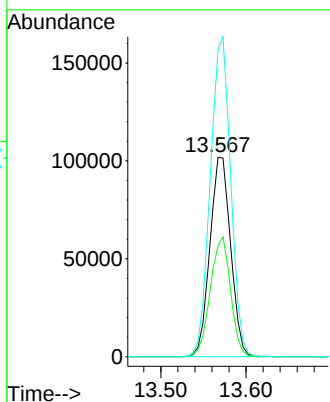
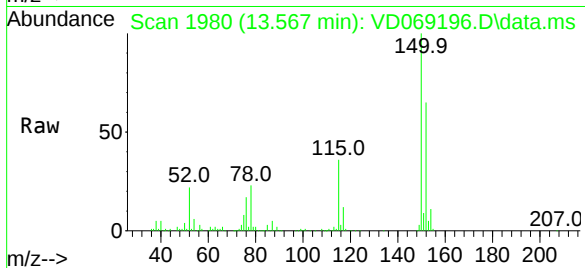




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.005 min
Lab File: VD069196.D
Acq: 19 May 2021 15:01

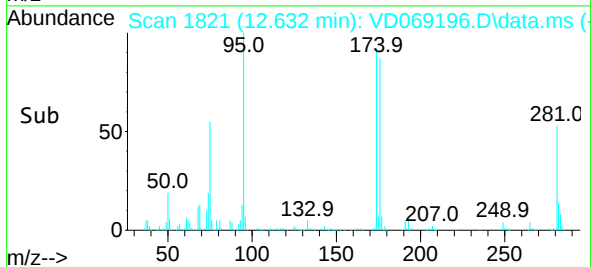
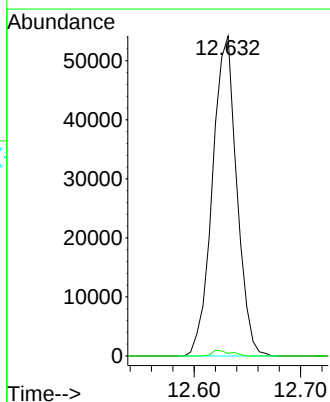
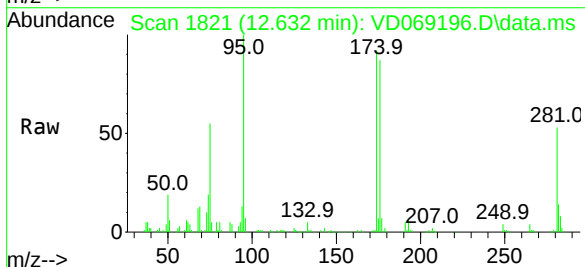
Instrument :
MSVOA_D
ClientSampleId :

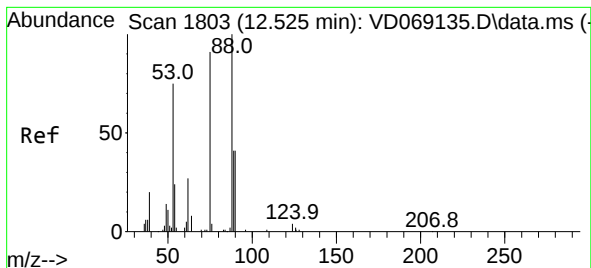
Tgt Ion:152 Resp: 172278
Ion Ratio Lower Upper
152 100
115 58.4 29.9 89.8
150 157.9 0.0 350.2



#76
1,2,3-Trichloropropane
Concen: 66.35 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD069196.D
Acq: 19 May 2021 15:01

Tgt Ion: 75 Resp: 85930
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

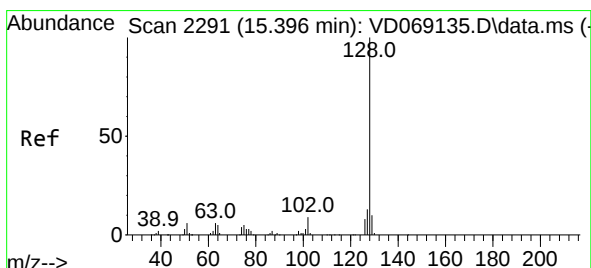
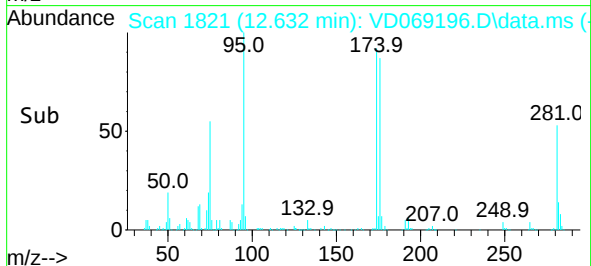
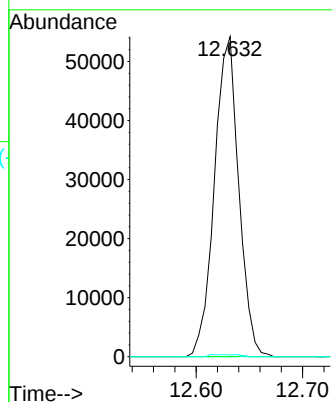
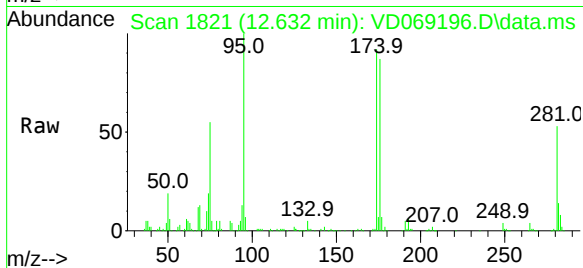




#81
trans-1,4-Dichloro-2-butene
Concen: 134.03 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD069196.D
Acq: 19 May 2021 15:01

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 85930
Ion Ratio Lower Upper
75 100
53 0.1 70.0 105.0#
89 0.0 40.2 60.2#



#95
Naphthalene
Concen: 2.09 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069196.D
Acq: 19 May 2021 15:01

Tgt Ion:128 Resp: 272
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

