

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072321\
 Data File : VD069832.D
 Acq On : 23 Jul 2021 16:47
 Operator : VA/SY
 Sample : M3117-04
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 24 01:35:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

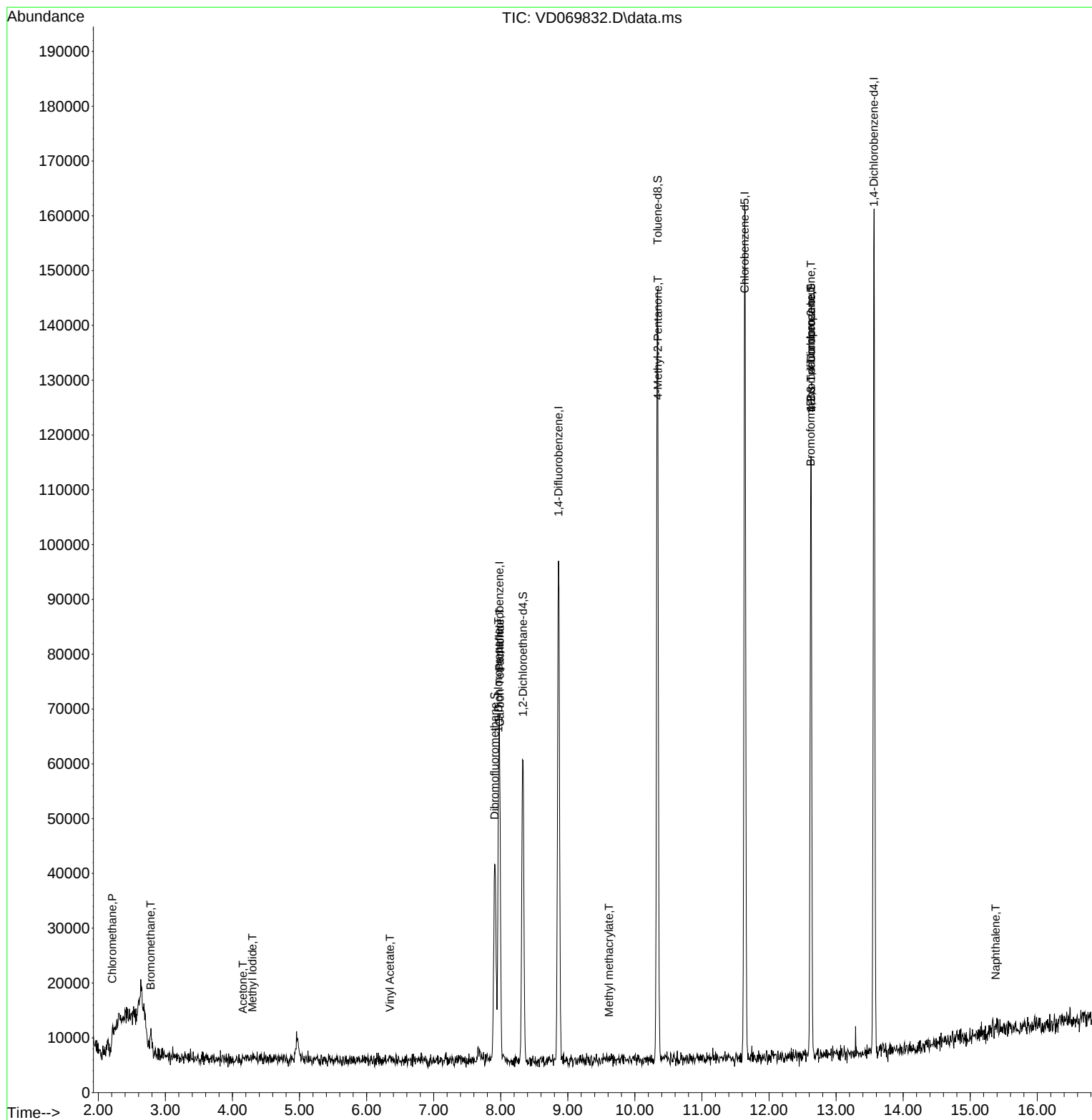
Internal Standards						
1) Pentafluorobenzene	7.979	168	45587	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	78831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	89883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	39612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	44914	85.666	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 171.340%#			
35) Dibromofluoromethane	7.908	113	28258	56.863	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.720%			
50) Toluene-d8	10.338	98	99102	51.718	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.440%			
62) 4-Bromofluorobenzene	12.626	95	38454	60.047	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 120.100%			
Target Compounds						Qvalue
3) Chloromethane	2.209	50	1024	1.471	ug/l #	1
5) Bromomethane	2.779	94	2350	3.669	ug/l	97
10) Methyl Iodide	4.297	142	789	4.758	ug/l #	73
16) Acetone	4.156	43	197	2.080	ug/l #	38
20) Methylene Chloride	4.956	84	2831	Below Cal	#	85
23) Vinyl Acetate	6.350	43	55	20.404	ug/l #	71
36) 1,1-Dichloropropene	7.967	75	4325	5.084	ug/l #	44
38) Carbon Tetrachloride	7.985	117	5039	6.485	ug/l #	12
48) Methyl methacrylate	9.614	41	62	2.945	ug/l #	13
51) 4-Methyl-2-Pentanone	10.344	43	305	1.055	ug/l #	1
71) Bromoform	12.620	173	392	1.205	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	18480	43.891	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	18480	133.153	ug/l #	16
95) Naphthalene	15.379	128	239	5.165	ug/l #	69

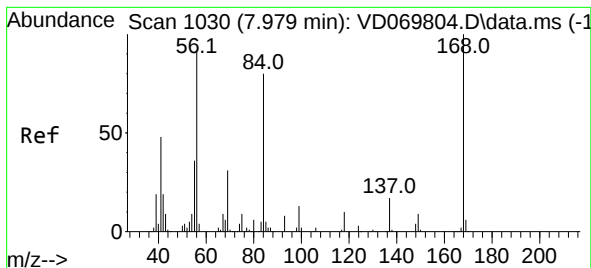
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD069832.D

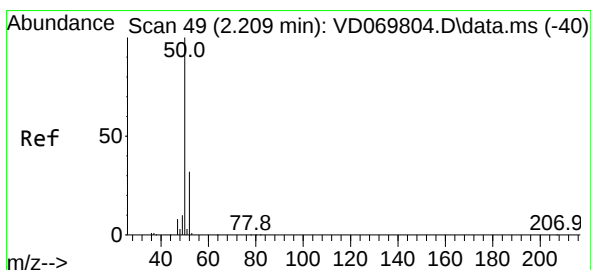
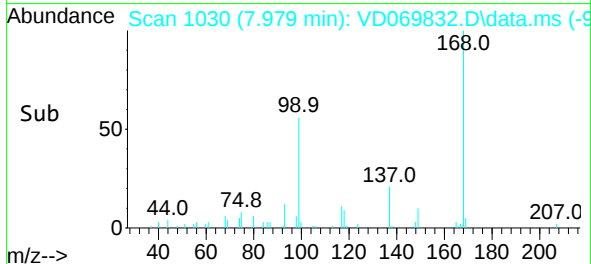
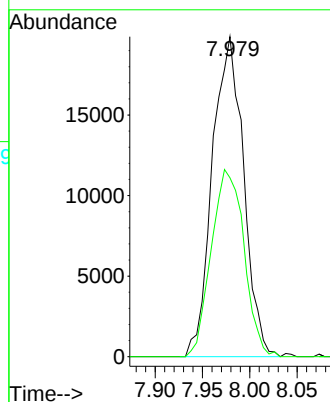
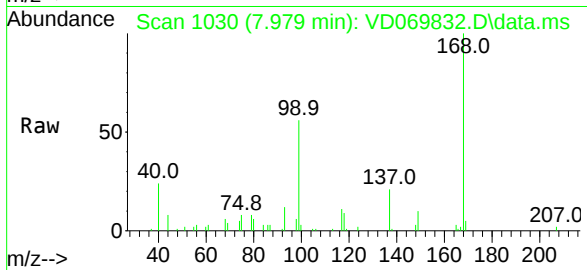
Acq: 23 Jul 2021 16:47

Tgt Ion:168 Resp: 45587

Ion Ratio Lower Upper

168 100

99 55.9 51.1 76.7



#3

Chloromethane

Concen: 1.471 ug/l

RT: 2.209 min Scan# 49

Delta R.T. -0.000 min

Lab File: VD069832.D

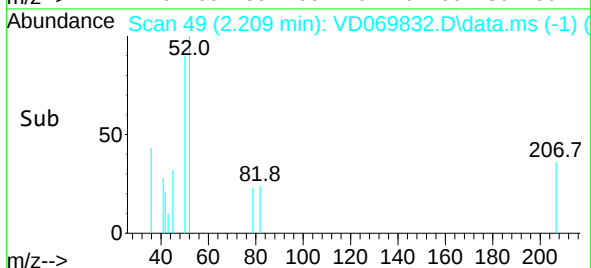
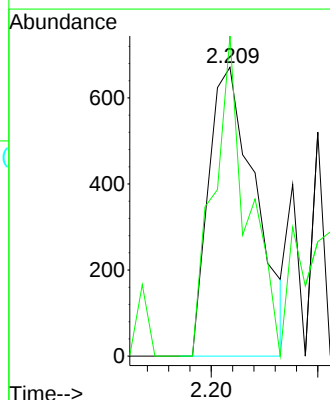
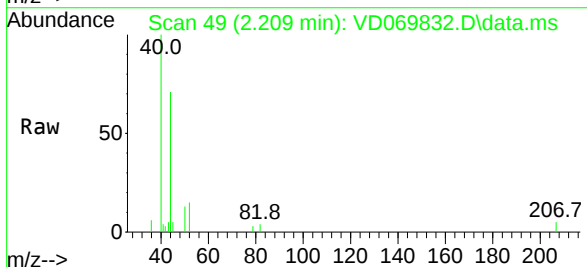
Acq: 23 Jul 2021 16:47

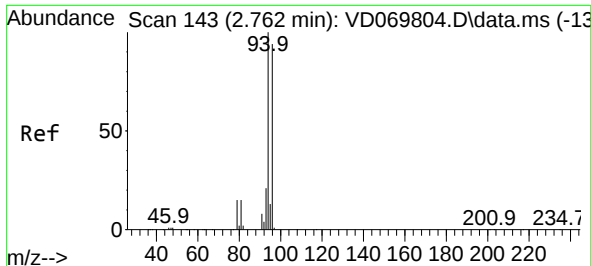
Tgt Ion: 50 Resp: 1024

Ion Ratio Lower Upper

50 100

52 110.9 25.7 38.5#

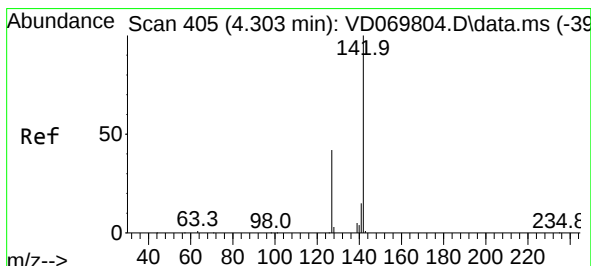
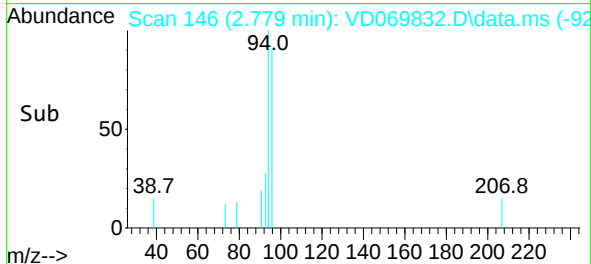
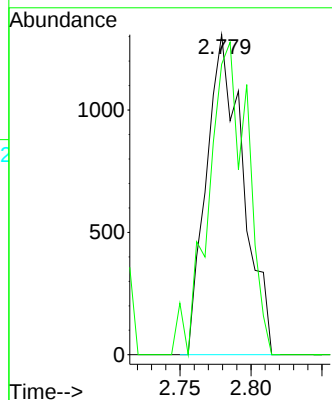
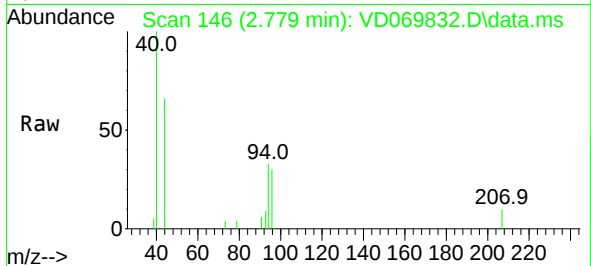




#5
Bromomethane
Concen: 3.669 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069832.D
Acq: 23 Jul 2021 16:47

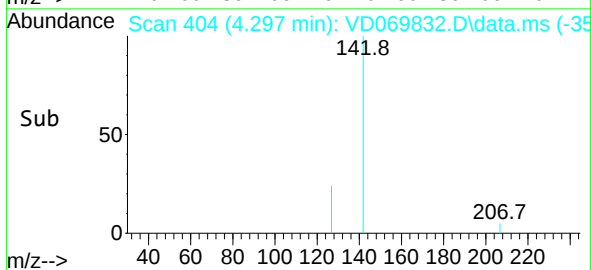
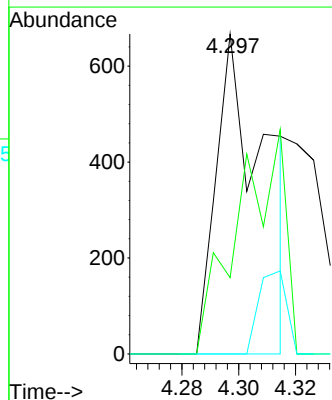
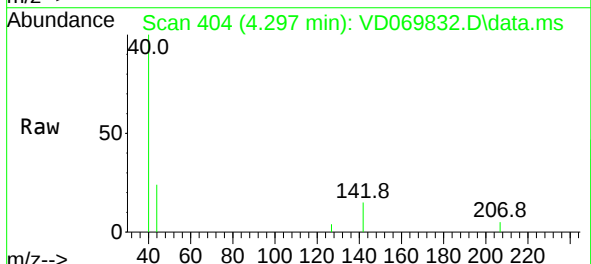
Instrument :
MSVOA_D
ClientSampleId :

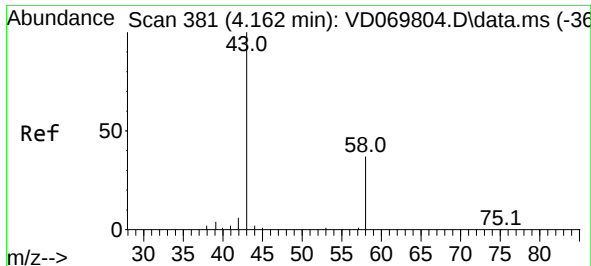
Tgt Ion: 94 Resp: 2350
Ion Ratio Lower Upper
94 100
96 90.7 74.8 112.2



#10
Methyl Iodide
Concen: 4.758 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069832.D
Acq: 23 Jul 2021 16:47

Tgt Ion:142 Resp: 789
Ion Ratio Lower Upper
142 100
127 68.1 35.7 53.5#
141 14.8 12.0 18.0

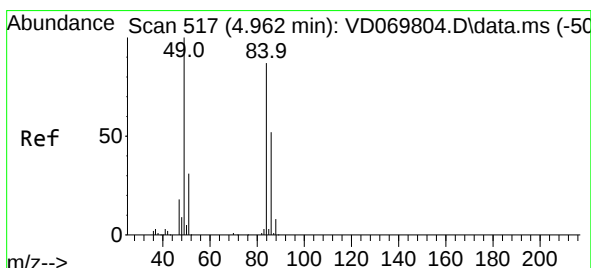
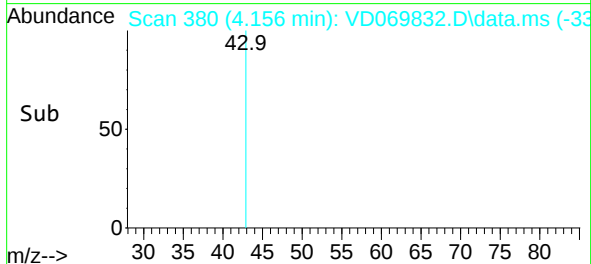
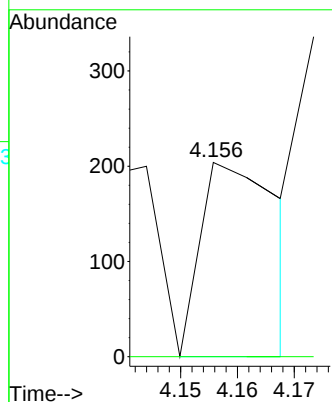
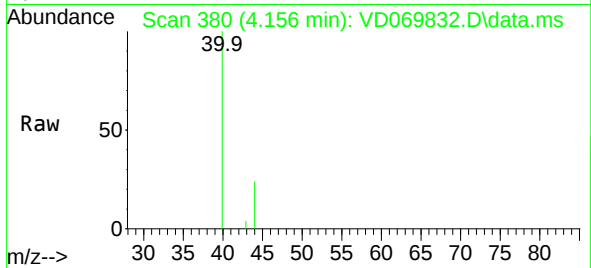




#16
Acetone
Concen: 2.080 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069832.D
Acq: 23 Jul 2021 16:47

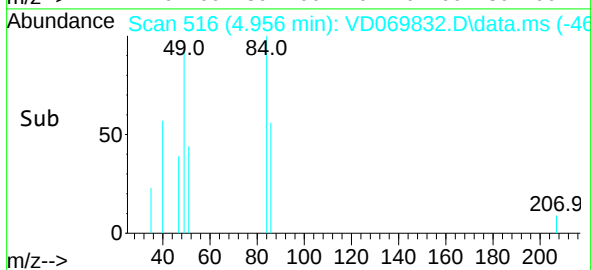
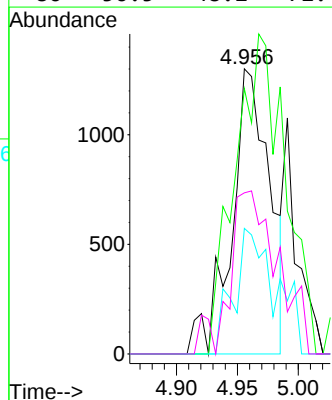
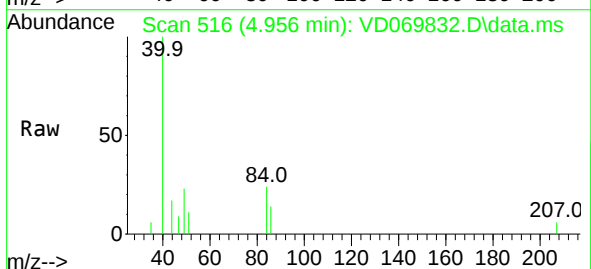
Instrument :
MSVOA_D
ClientSampled :

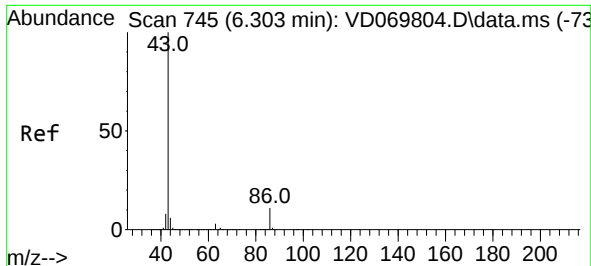
Tgt Ion: 43 Resp: 197
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD069832.D
Acq: 23 Jul 2021 16:47

Tgt Ion: 84 Resp: 2831
Ion Ratio Lower Upper
84 100
49 93.0 92.4 138.6
51 44.0 28.5 42.7#
86 56.5 48.2 72.4

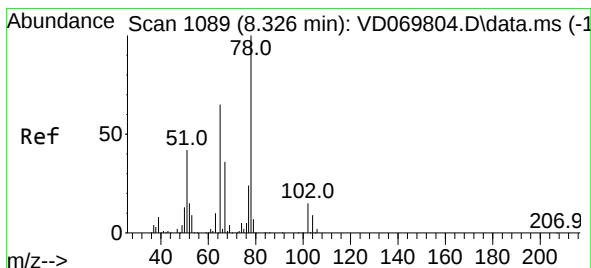
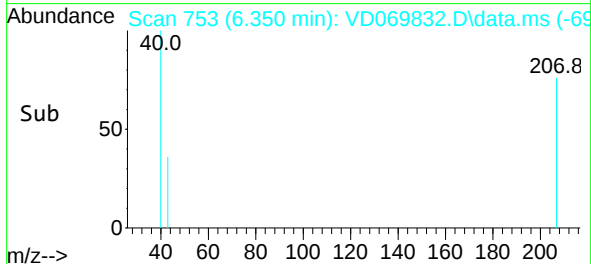
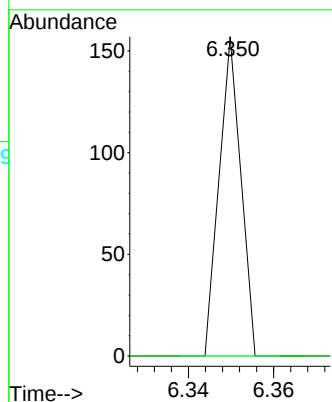
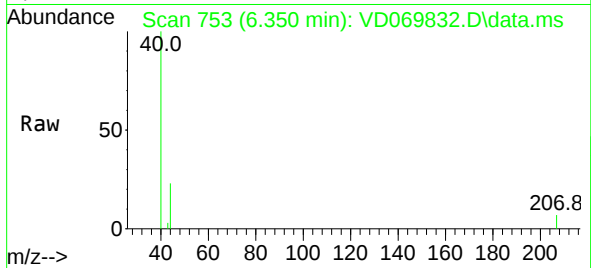




#23
 Vinyl Acetate
 Concen: 20.404 ug/l
 RT: 6.350 min Scan# 753
 Delta R.T. 0.047 min
 Lab File: VD069832.D
 Acq: 23 Jul 2021 16:47

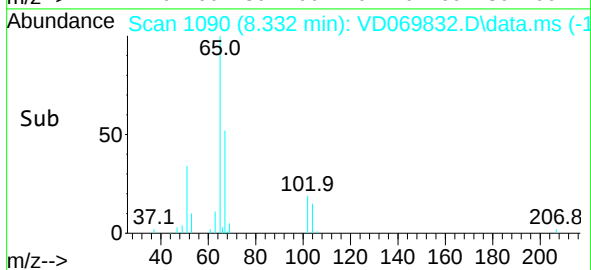
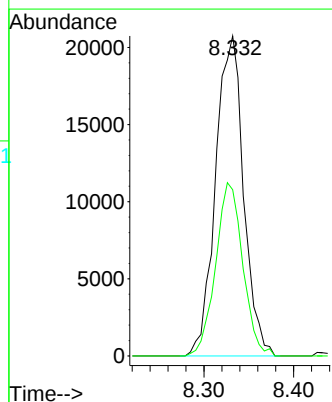
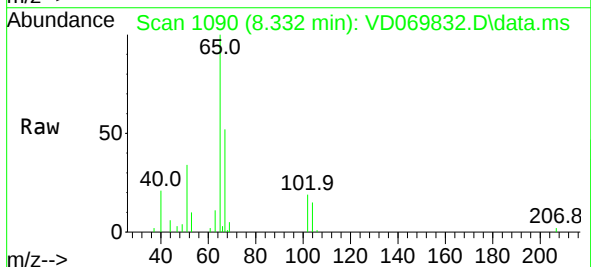
Instrument :
 MSVOA_D
 ClientSampled :

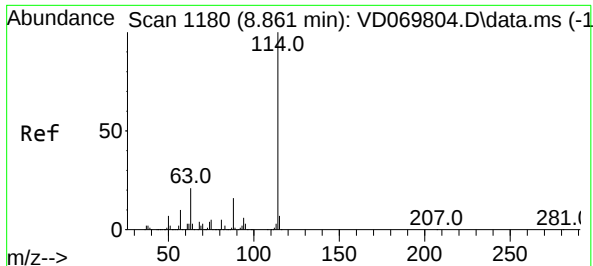
Tgt Ion: 43 Resp: 55
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#33
 1,2-Dichloroethane-d4
 Concen: 85.666 ug/l
 RT: 8.332 min Scan# 1090
 Delta R.T. 0.006 min
 Lab File: VD069832.D
 Acq: 23 Jul 2021 16:47

Tgt Ion: 65 Resp: 44914
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 111.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD069832.D

Acq: 23 Jul 2021 16:47

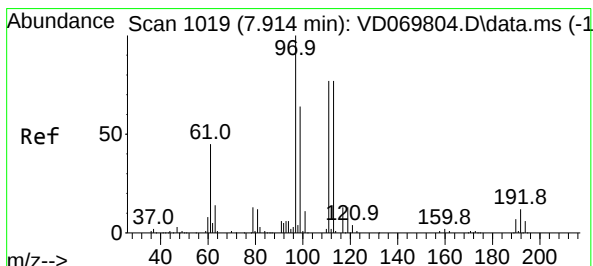
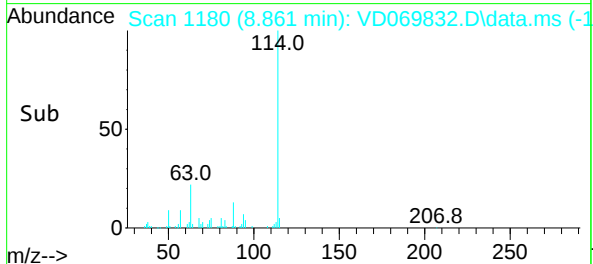
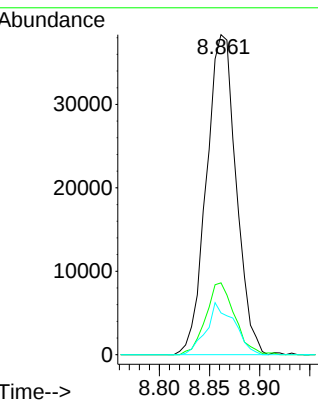
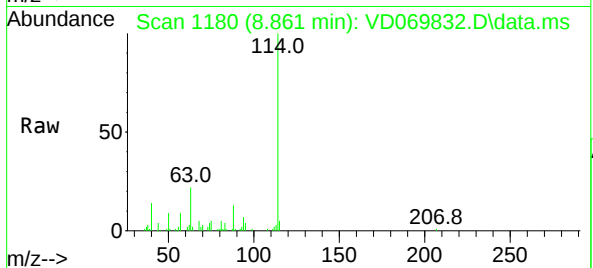
Tgt Ion:114 Resp: 78831

Ion Ratio Lower Upper

114 100

63 22.4 0.0 41.6

88 13.0 0.0 31.4



#35

Dibromofluoromethane

Concen: 56.863 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD069832.D

Acq: 23 Jul 2021 16:47

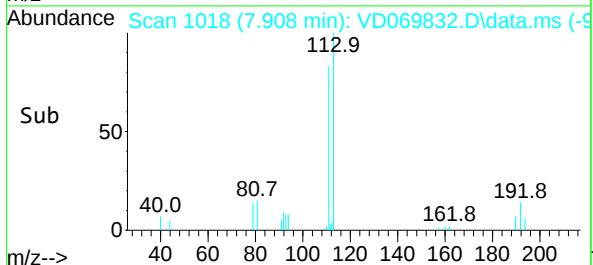
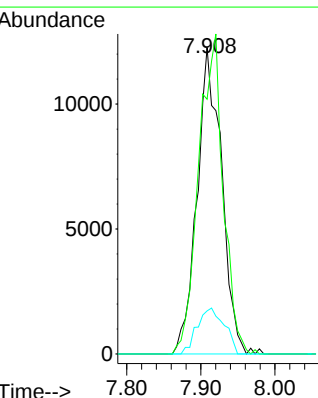
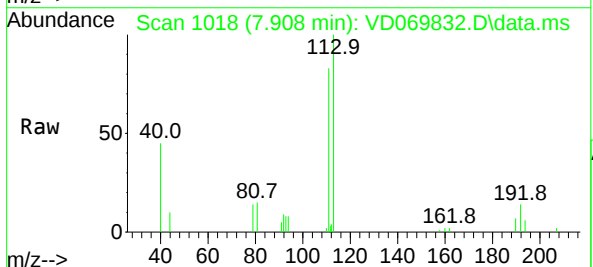
Tgt Ion:113 Resp: 28258

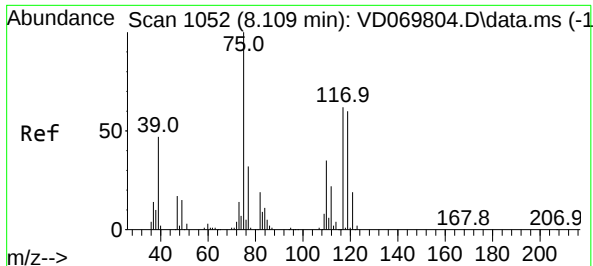
Ion Ratio Lower Upper

113 100

111 104.8 80.5 120.7

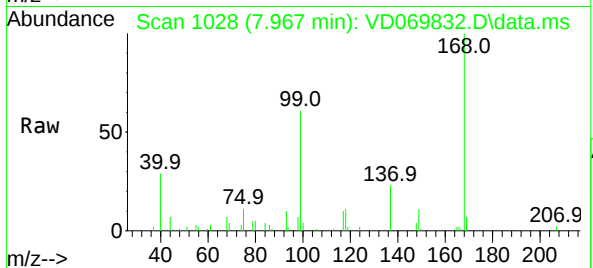
192 16.6 12.6 19.0



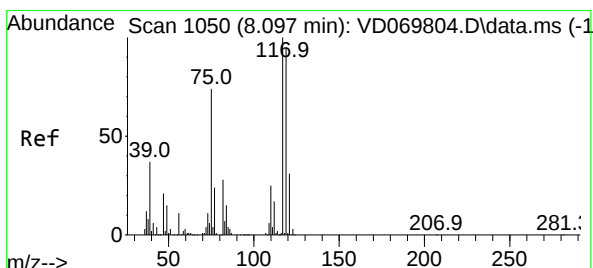
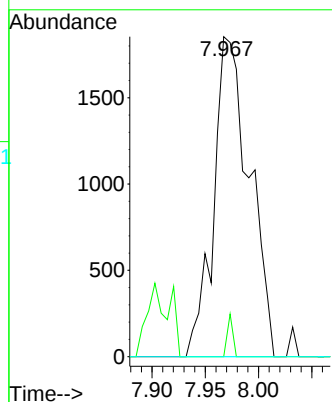
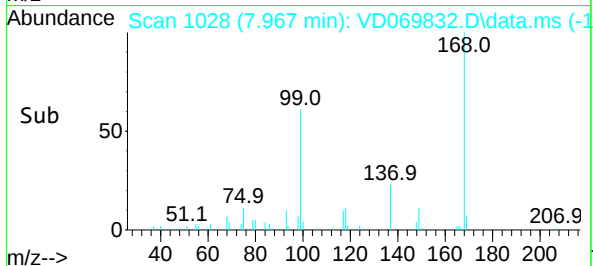


#36
1,1-Dichloropropene
Concen: 5.084 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD069832.D
Acq: 23 Jul 2021 16:47

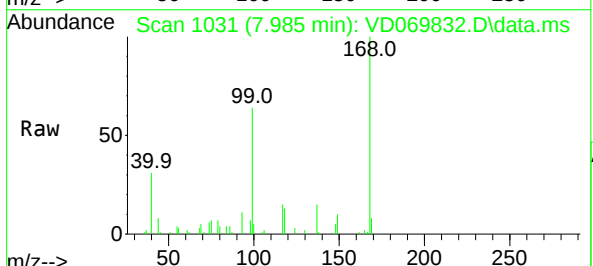
Instrument :
MSVOA_D
ClientSampleId :



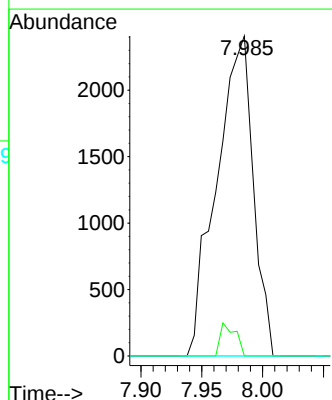
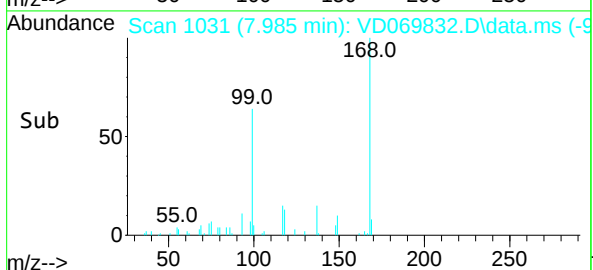
Tgt Ion: 75 Resp: 4325
Ion Ratio Lower Upper
75 100
110 2.0 16.9 50.7#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 6.485 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD069832.D
Acq: 23 Jul 2021 16:47



Tgt Ion: 117 Resp: 5039
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 24.5 36.7#

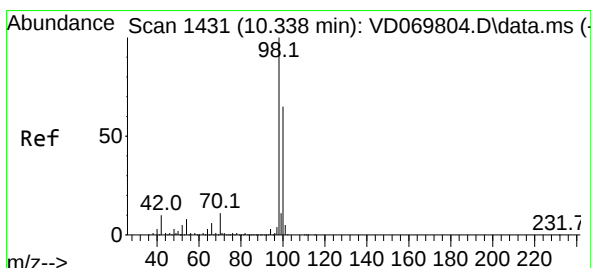
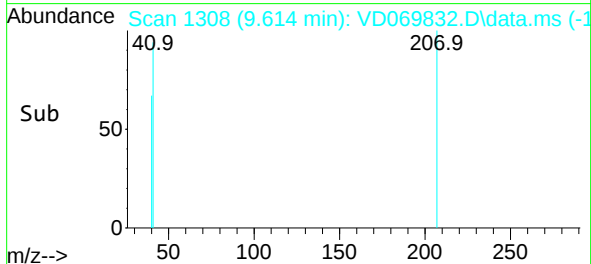
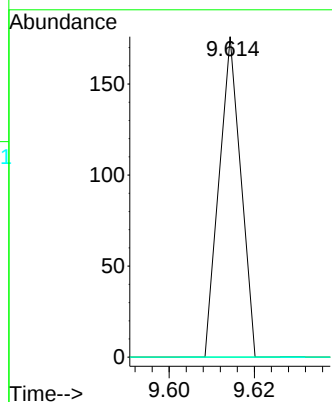
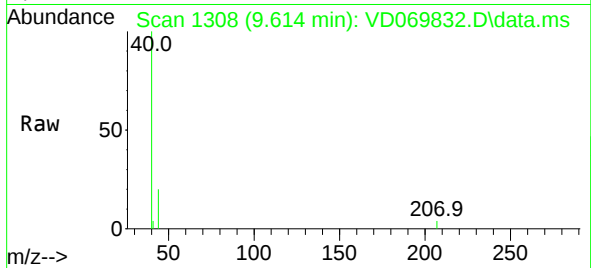




#48
Methyl methacrylate
Concen: 2.945 ug/l
RT: 9.614 min Scan# 1308
Delta R.T. 0.164 min
Lab File: VD069832.D
Acq: 23 Jul 2021 16:47

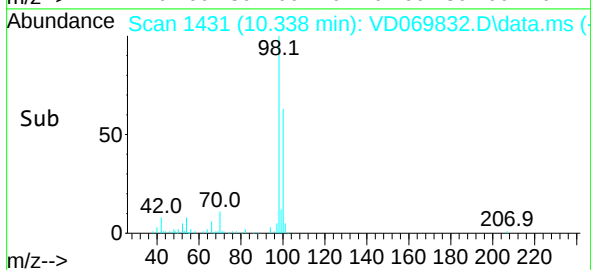
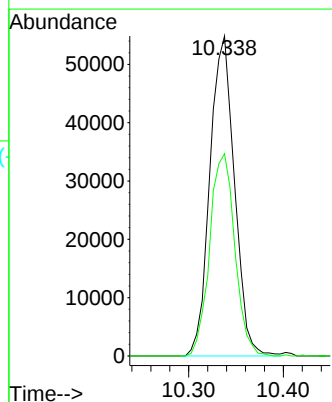
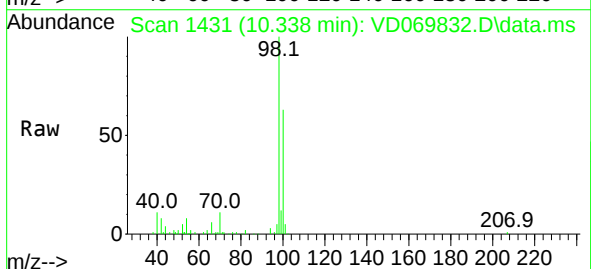
Instrument :
MSVOA_D
ClientSampleId :

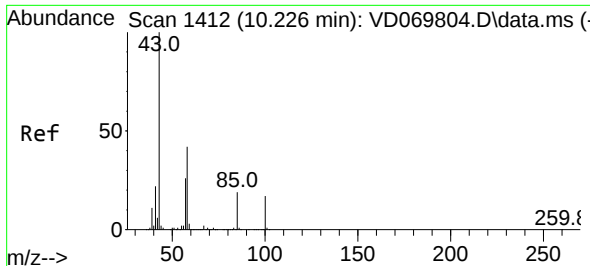
Tgt Ion: 41 Resp: 62
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#



#50
Toluene-d8
Concen: 51.718 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069832.D
Acq: 23 Jul 2021 16:47

Tgt Ion: 98 Resp: 99102
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9

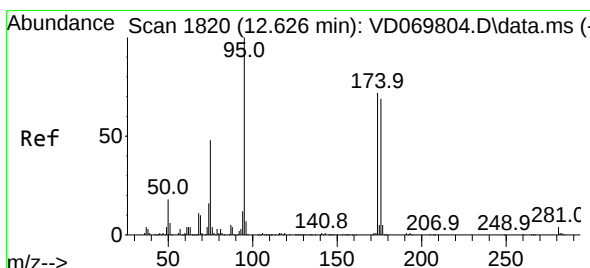
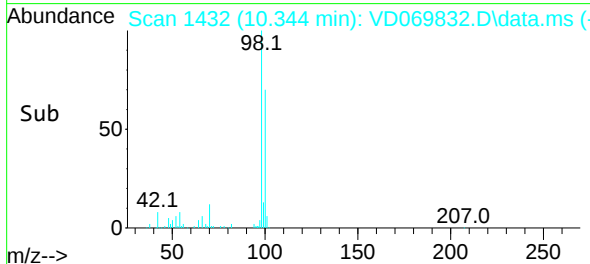
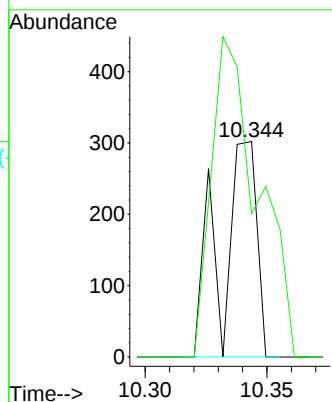
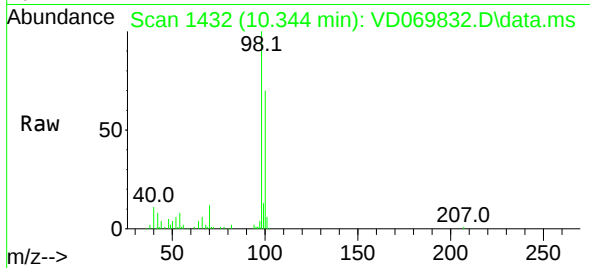




#51
4-Methyl-2-Pentanone
Concen: 1.055 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.118 min
Lab File: VD069832.D
Acq: 23 Jul 2021 16:47

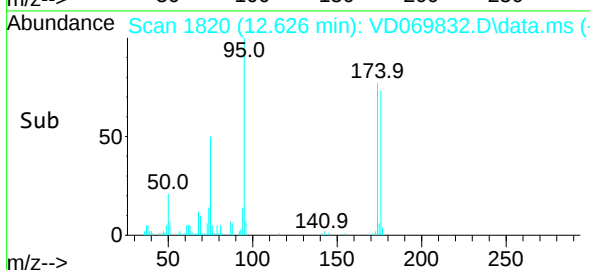
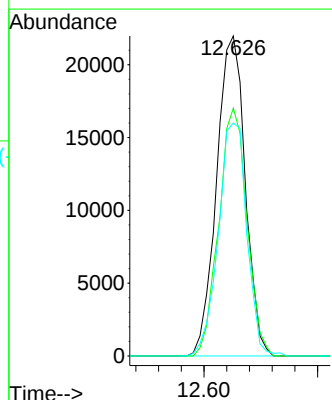
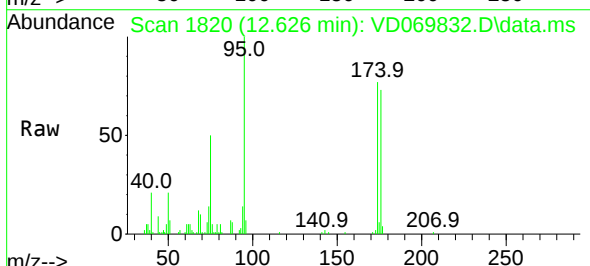
Instrument :
MSVOA_D
ClientSampled :

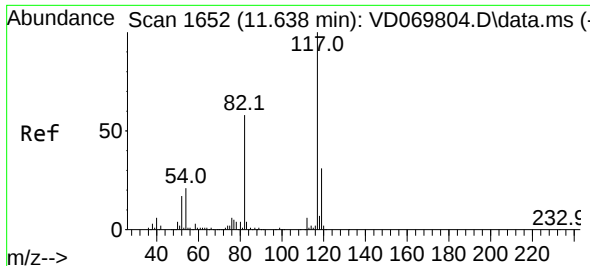
Tgt Ion: 43 Resp: 305
Ion Ratio Lower Upper
43 100
58 195.4 33.7 50.5#



#62
4-Bromofluorobenzene
Concen: 60.047 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069832.D
Acq: 23 Jul 2021 16:47

Tgt Ion: 95 Resp: 38454
Ion Ratio Lower Upper
95 100
174 76.0 0.0 142.6
176 72.4 0.0 134.2

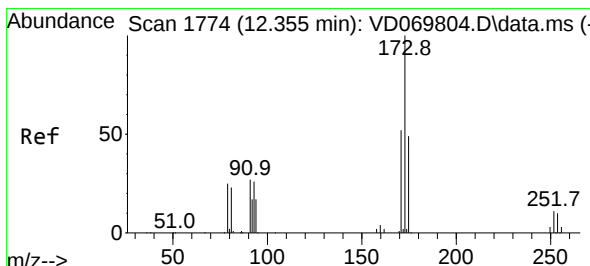
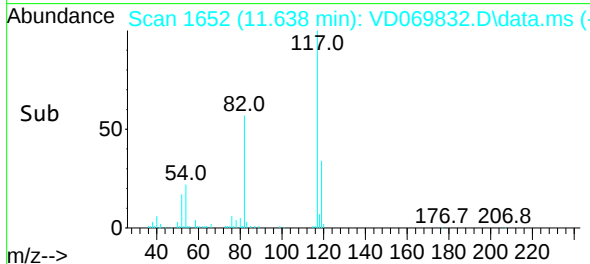
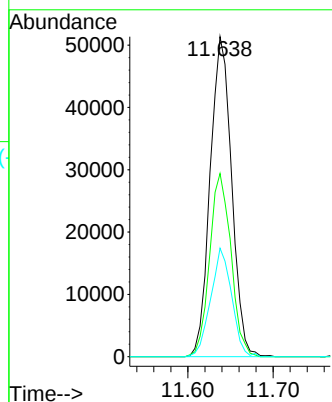
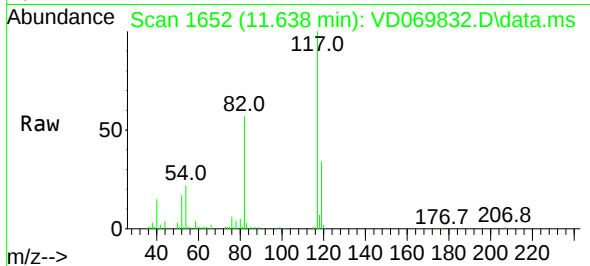




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069832.D
Acq: 23 Jul 2021 16:47

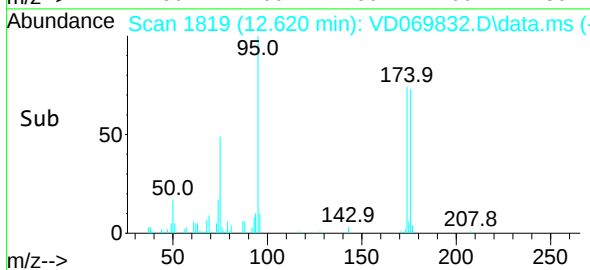
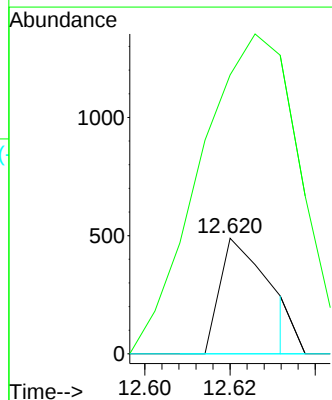
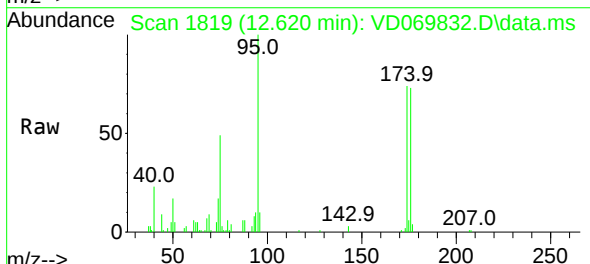
Instrument :
MSVOA_D
ClientSampleId :

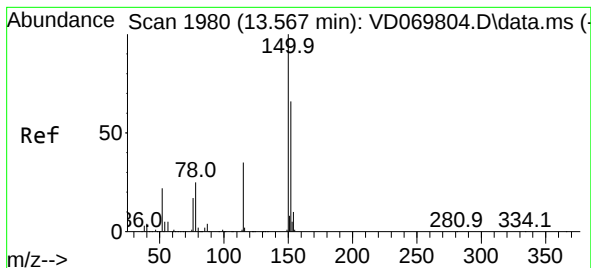
Tgt Ion:117 Resp: 89883
Ion Ratio Lower Upper
117 100
82 57.3 46.3 69.5
119 33.9 24.7 37.1



#71
Bromoform
Concen: 1.205 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD069832.D
Acq: 23 Jul 2021 16:47

Tgt Ion:173 Resp: 392
Ion Ratio Lower Upper
173 100
175 481.6 24.1 72.3#
254 0.0 0.1 0.1#

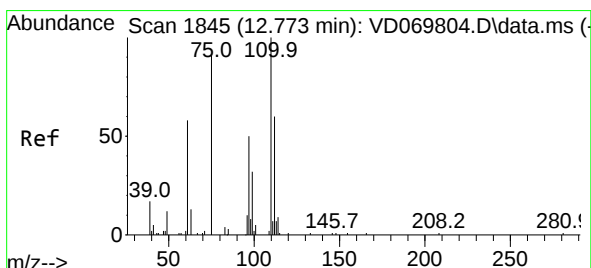
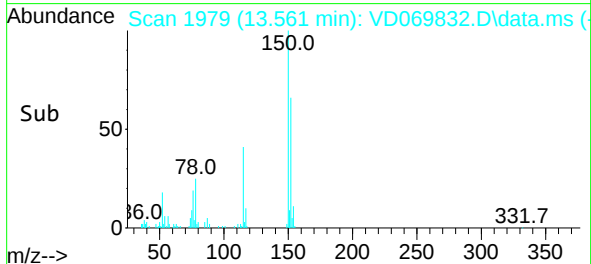
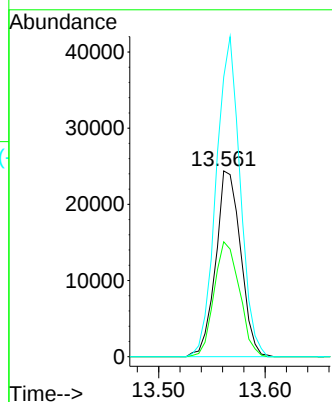
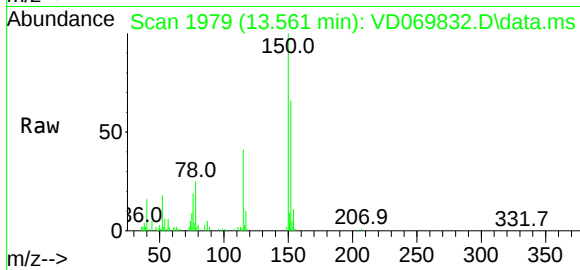




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD069832.D
Acq: 23 Jul 2021 16:47

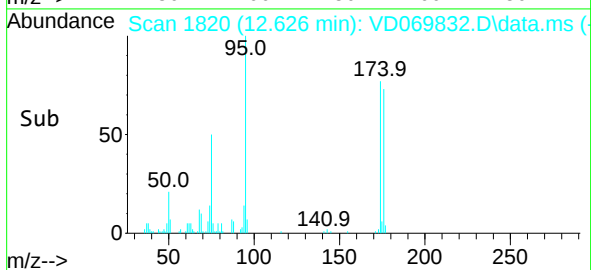
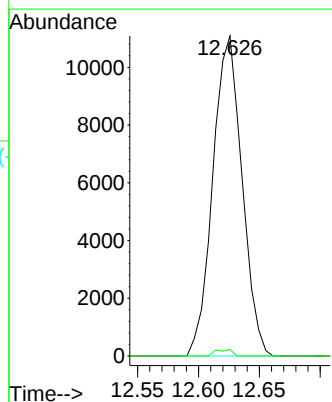
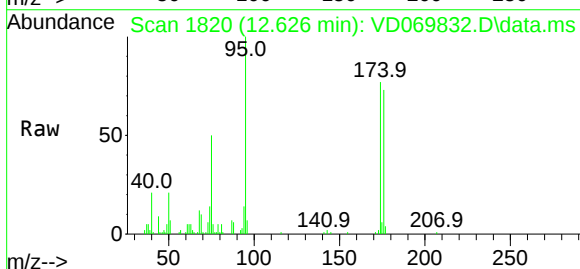
Instrument :
MSVOA_D
ClientSampled :

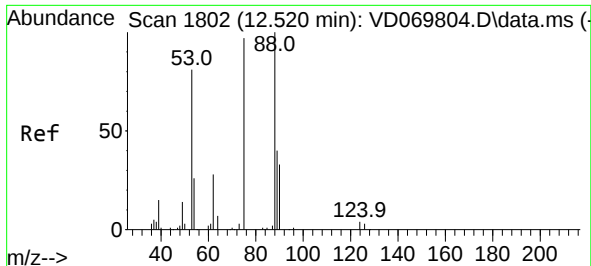
Tgt Ion:152 Resp: 39612
Ion Ratio Lower Upper
152 100
115 62.7 31.1 93.3
150 165.7 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 43.891 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069832.D
Acq: 23 Jul 2021 16:47

Tgt Ion: 75 Resp: 18480
Ion Ratio Lower Upper
75 100
77 1.1 181.5 544.5#

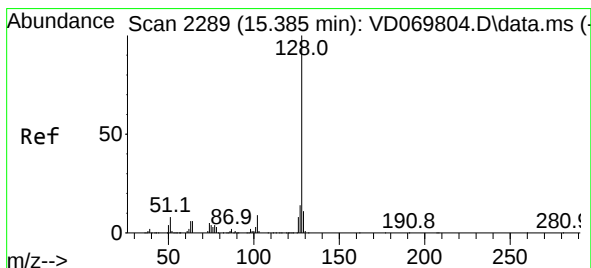
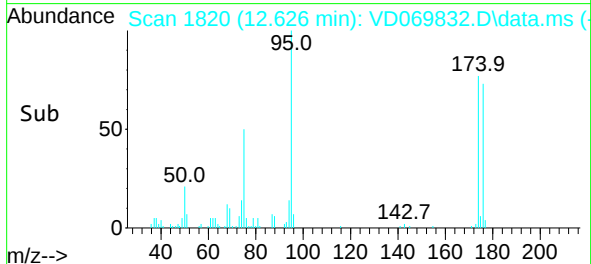
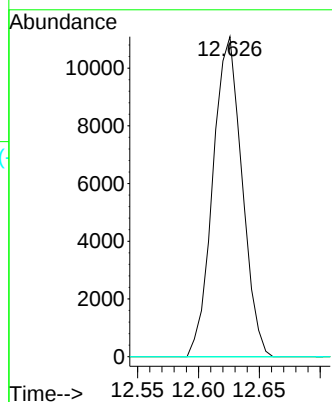
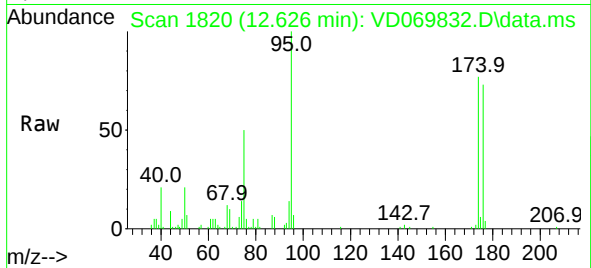




#81
trans-1,4-Dichloro-2-butene
Concen: 133.153 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069832.D
Acq: 23 Jul 2021 16:47

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 18480
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 5.165 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD069832.D
Acq: 23 Jul 2021 16:47

Tgt Ion: 128 Resp: 239
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

