

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080421\
 Data File : VD069986.D
 Acq On : 04 Aug 2021 15:15
 Operator : VA/SY
 Sample : M3279-12
 Misc : 5.58G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20210444-30

Quant Time: Aug 05 03:11:18 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)

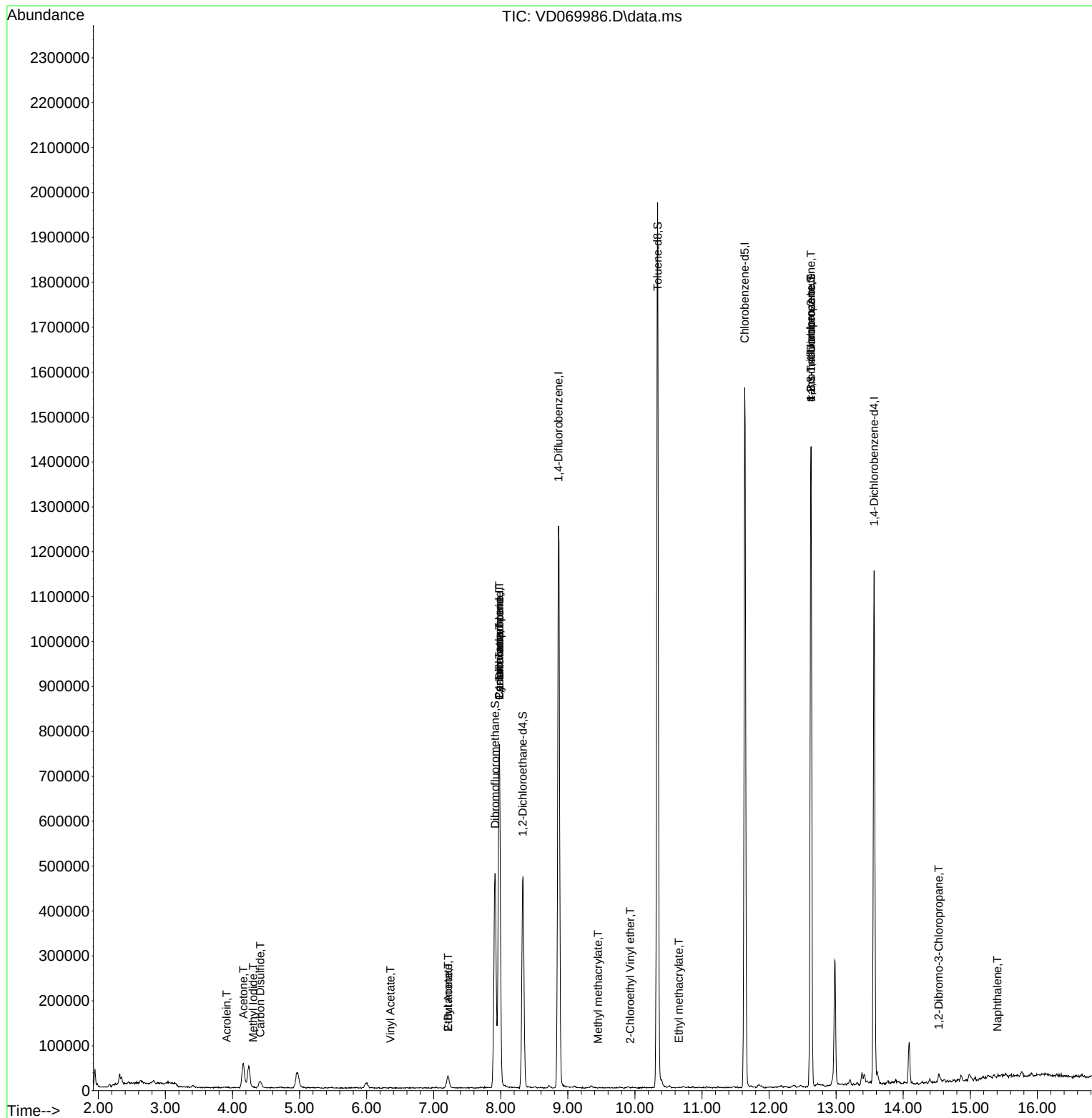
Internal Standards						
1) Pentafluorobenzene	7.979	168	545433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1073421	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	912168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	301386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	365949	58.337	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.680%			
35) Dibromofluoromethane	7.914	113	364425	53.855	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.700%			
50) Toluene-d8	10.338	98	1329983	50.972	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.940%			
62) 4-Bromofluorobenzene	12.626	95	365454	41.909	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 83.820%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	2597	Below Cal	#	63
10) Methyl Iodide	4.309	142	1269	3.637	ug/l #	58
13) Acrolein	3.914	56	1049	2.309	ug/l #	68
16) Acetone	4.161	43	95850	84.584	ug/l	92
17) Carbon Disulfide	4.414	76	30348	1.360	ug/l #	93
20) Methylene Chloride	4.973	84	28756	Below Cal		93
23) Vinyl Acetate	6.355	43	115	20.359	ug/l #	71
25) 2-Butanone	7.214	43	32692	21.274	ug/l #	85
31) Cyclohexane	7.979	56	13691	1.117	ug/l #	9
36) 1,1-Dichloropropene	7.979	75	49274	4.254	ug/l #	51
37) Ethyl Acetate	7.214	43	32692	7.752	ug/l #	82
38) Carbon Tetrachloride	7.979	117	58571	5.535	ug/l #	18
48) Methyl methacrylate	9.449	41	110	2.773	ug/l #	27
56) Ethyl methacrylate	10.655	69	61	3.903	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.932	63	135	20.907	ug/l #	48
76) 1,2,3-Trichloropropane	12.626	75	180178	56.244	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	180178	170.629	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.532	75	5014	8.052	ug/l #	7
95) Naphthalene	15.402	128	1718	5.155	ug/l #	78

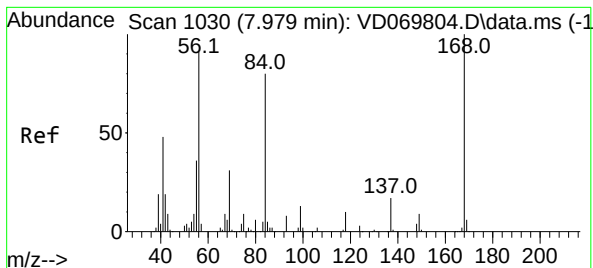
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

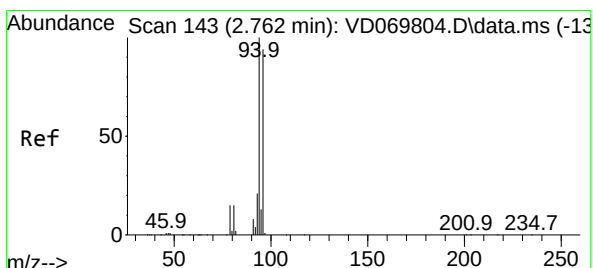
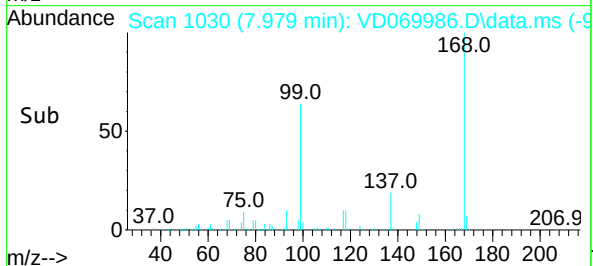
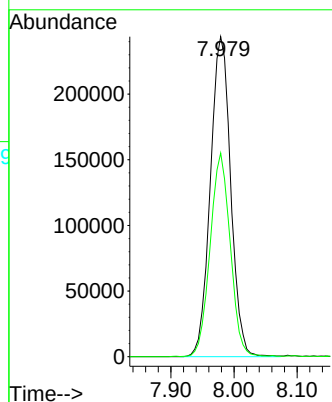
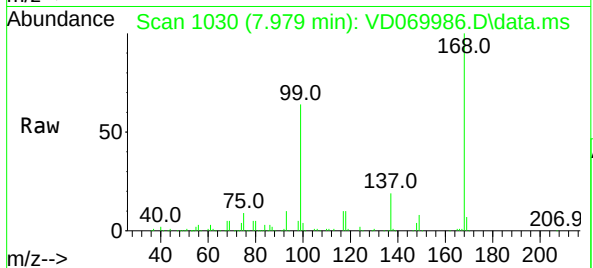




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069986.D
Acq: 04 Aug 2021 15:15

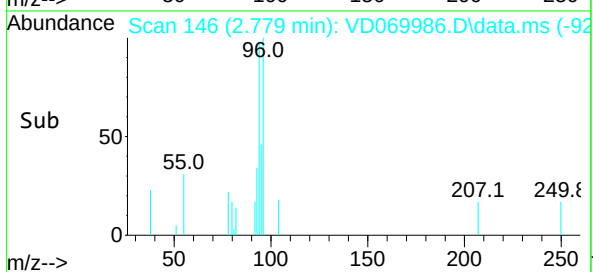
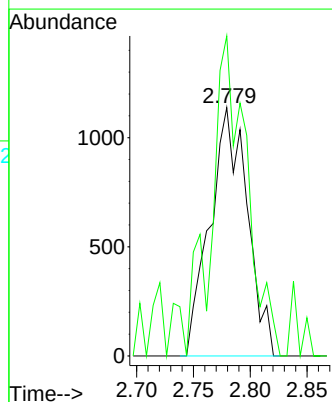
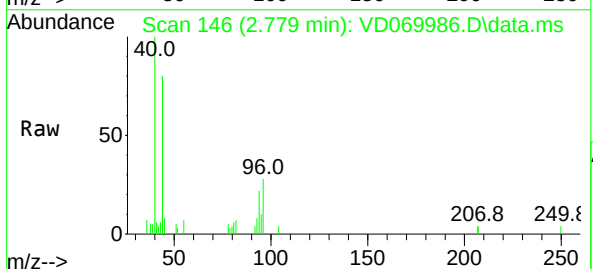
Instrument :
MSVOA_D
ClientSampleId :
20210444-30

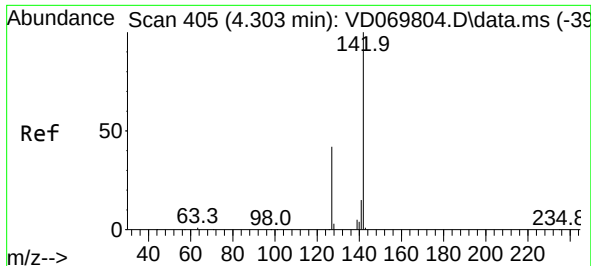
Tgt Ion:168 Resp: 545433
Ion Ratio Lower Upper
168 100
99 63.6 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069986.D
Acq: 04 Aug 2021 15:15

Tgt Ion: 94 Resp: 2597
Ion Ratio Lower Upper
94 100
96 128.8 74.8 112.2#

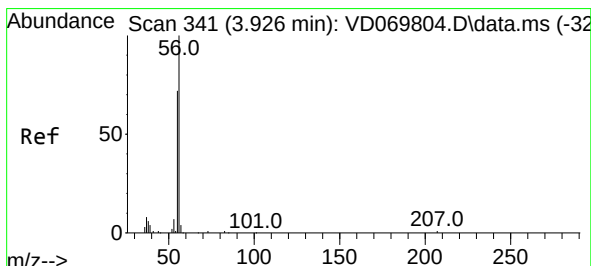
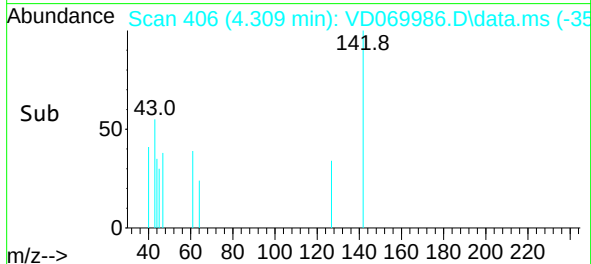
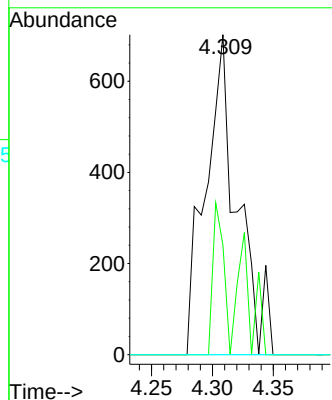
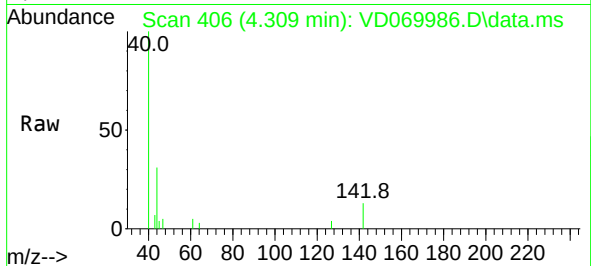




#10
Methyl Iodide
Concen: 3.637 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD069986.D
Acq: 04 Aug 2021 15:15

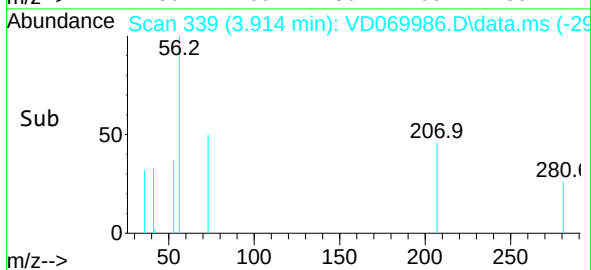
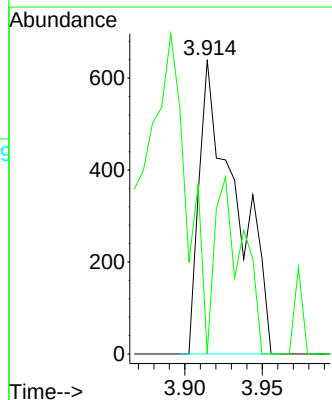
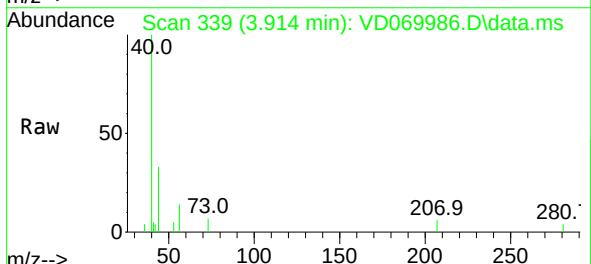
Instrument :
MSVOA_D
ClientSampleId :
20210444-30

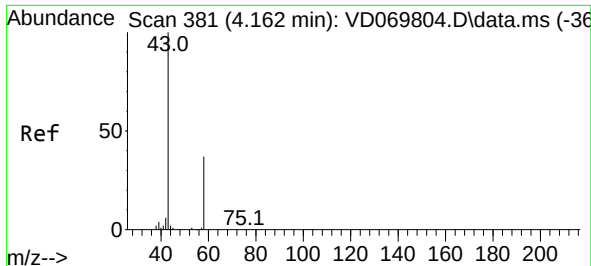
Tgt Ion:142 Resp: 1269
Ion Ratio Lower Upper
142 100
127 16.0 35.7 53.5#
141 0.0 12.0 18.0#



#13
Acrolein
Concen: 2.309 ug/l
RT: 3.914 min Scan# 339
Delta R.T. -0.012 min
Lab File: VD069986.D
Acq: 04 Aug 2021 15:15

Tgt Ion: 56 Resp: 1049
Ion Ratio Lower Upper
56 100
55 45.1 57.2 85.8#

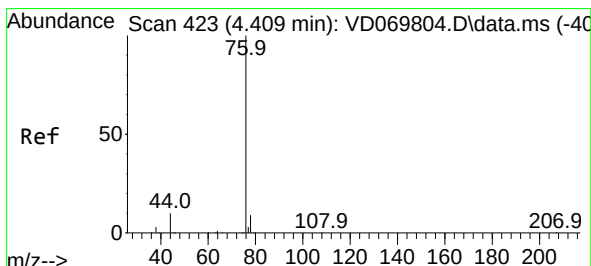
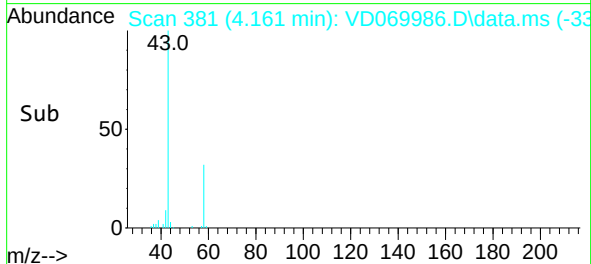
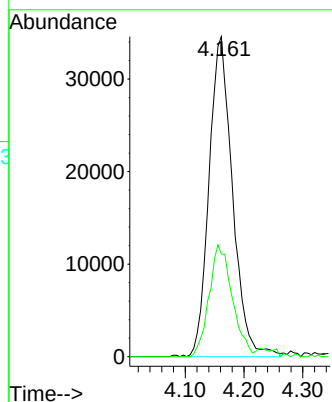
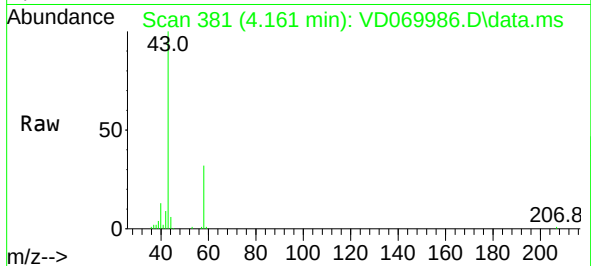




#16
Acetone
Concen: 84.584 ug/l
RT: 4.161 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069986.D
Acq: 04 Aug 2021 15:15

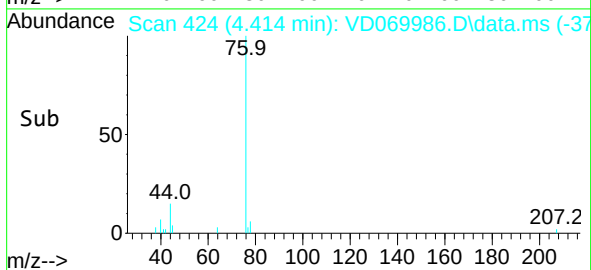
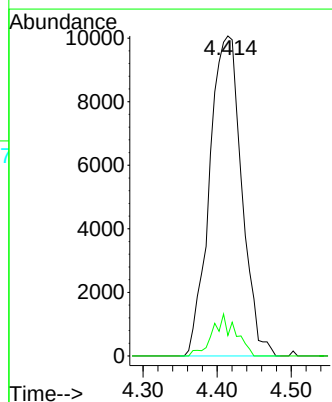
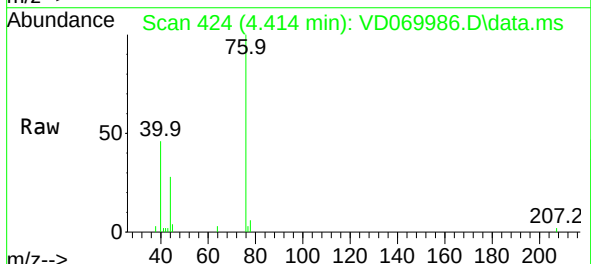
Instrument :
MSVOA_D
ClientSampleId :
20210444-30

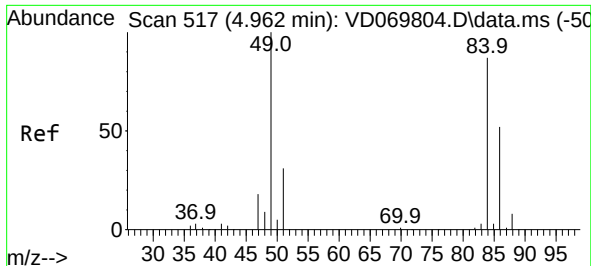
Tgt Ion: 43 Resp: 95850
Ion Ratio Lower Upper
43 100
58 32.0 29.4 44.0



#17
Carbon Disulfide
Concen: 1.360 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD069986.D
Acq: 04 Aug 2021 15:15

Tgt Ion: 76 Resp: 30348
Ion Ratio Lower Upper
76 100
78 6.4 7.3 10.9#

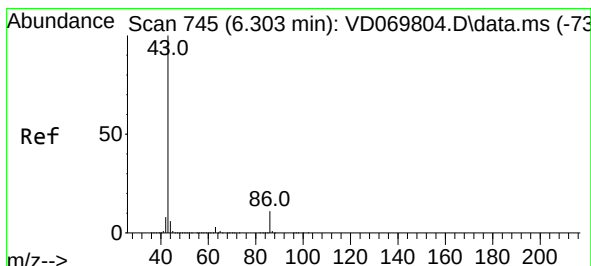
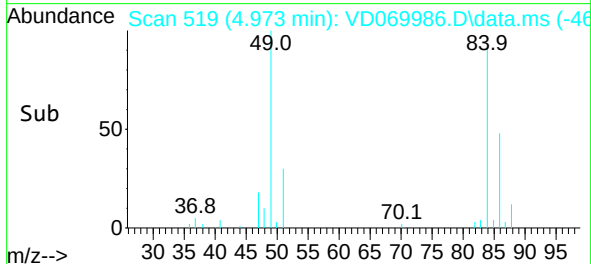
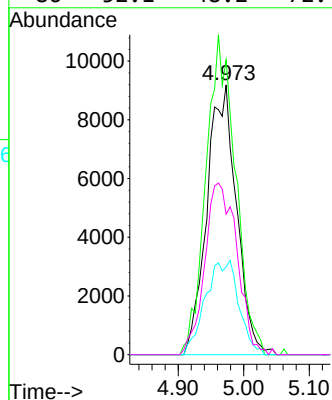
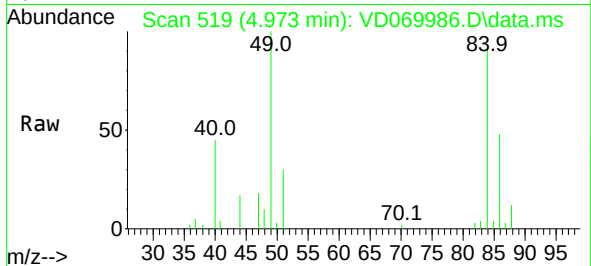




#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD069986.D
Acq: 04 Aug 2021 15:15

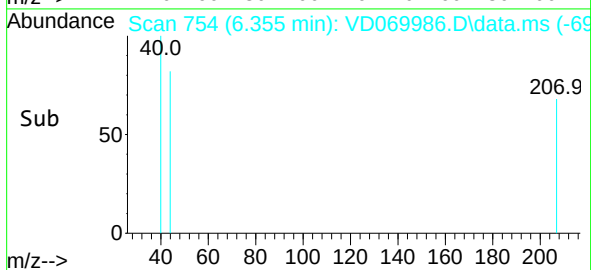
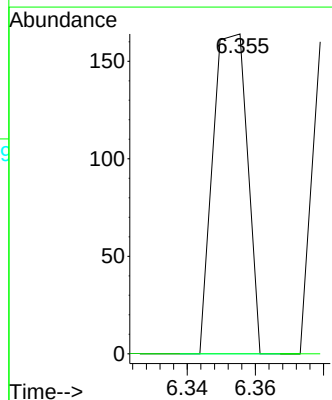
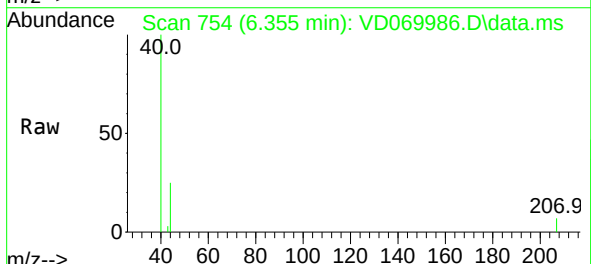
Instrument :
MSVOA_D
ClientSampleId :
20210444-30

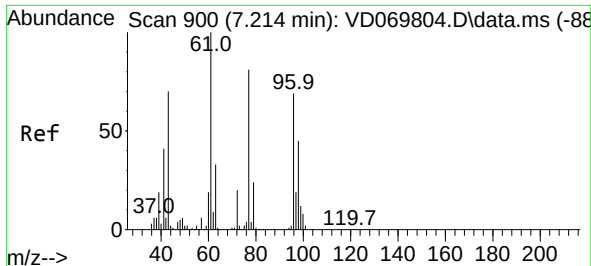
Tgt Ion:	84	Resp:	28756
Ion	Ratio	Lower	Upper
84	100		
49	109.3	92.4	138.6
51	32.5	28.5	42.7
86	52.1	48.2	72.4



#23
Vinyl Acetate
Concen: 20.359 ug/l
RT: 6.355 min Scan# 754
Delta R.T. 0.052 min
Lab File: VD069986.D
Acq: 04 Aug 2021 15:15

Tgt Ion:	43	Resp:	115
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#

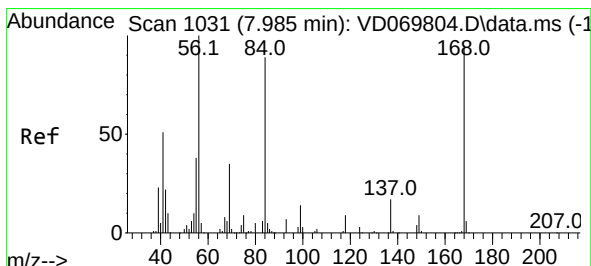
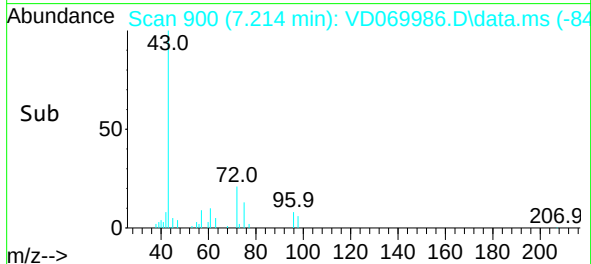
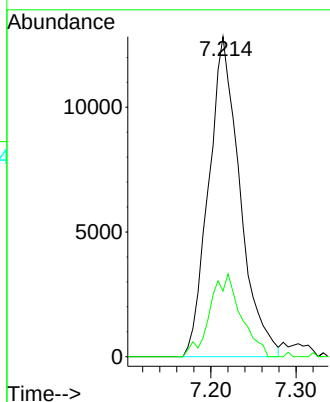
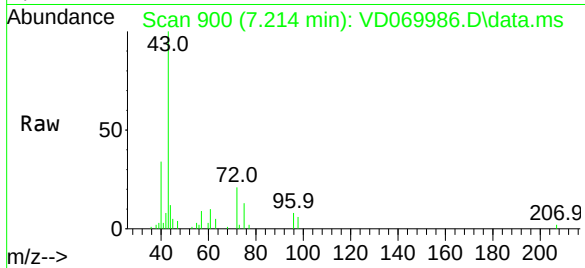




#25
2-Butanone
Concen: 21.274 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.000 min
Lab File: VD069986.D
Acq: 04 Aug 2021 15:15

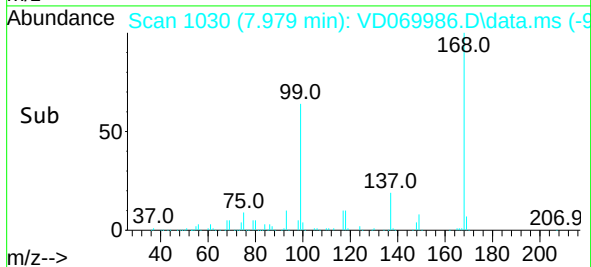
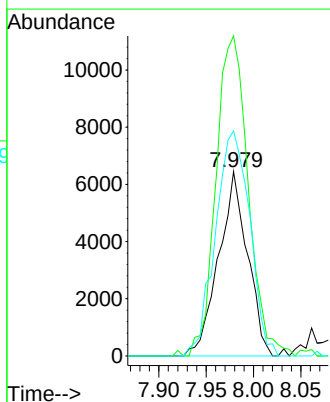
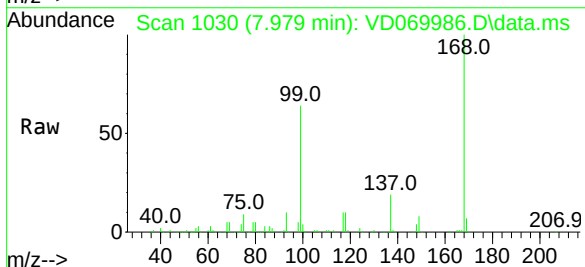
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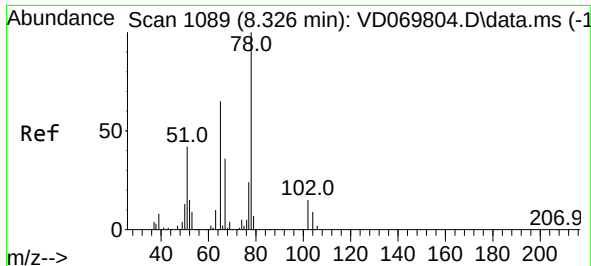
Tgt Ion: 43 Resp: 32692
Ion Ratio Lower Upper
43 100
72 20.6 22.8 34.2#



#31
Cyclohexane
Concen: 1.117 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069986.D
Acq: 04 Aug 2021 15:15

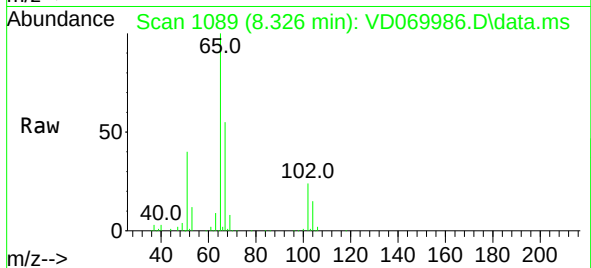
Tgt Ion: 56 Resp: 13691
Ion Ratio Lower Upper
56 100
69 170.5 27.9 41.9#
84 121.9 71.4 107.2#



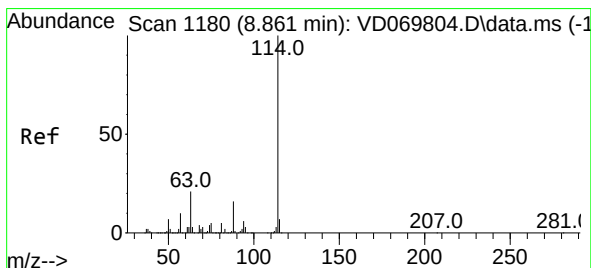
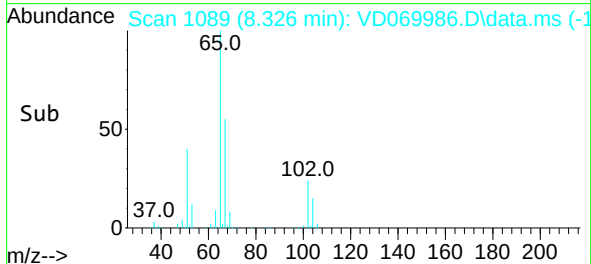
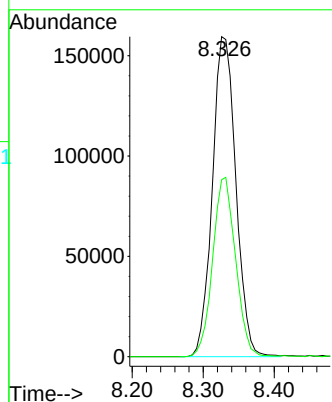


#33
1,2-Dichloroethane-d4
Concen: 58.337 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069986.D
Acq: 04 Aug 2021 15:15

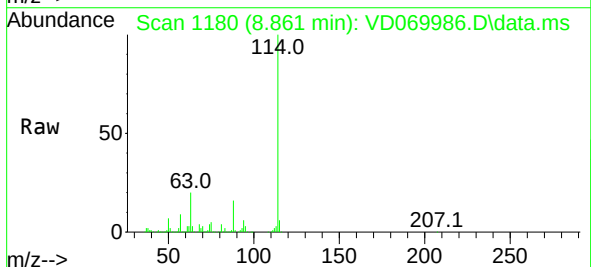
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ClientSampleId :
20210444-30



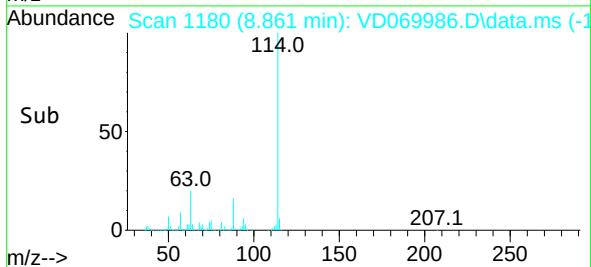
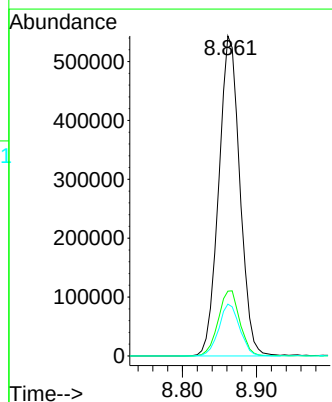
Tgt Ion: 65 Resp: 365949
Ion Ratio Lower Upper
65 100
67 54.6 0.0 111.2

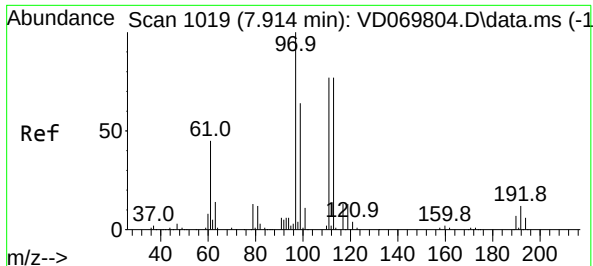


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069986.D
Acq: 04 Aug 2021 15:15



Tgt Ion: 114 Resp: 1073421
Ion Ratio Lower Upper
114 100
63 20.2 0.0 41.6
88 16.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.855 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069986.D

Acq: 04 Aug 2021 15:15

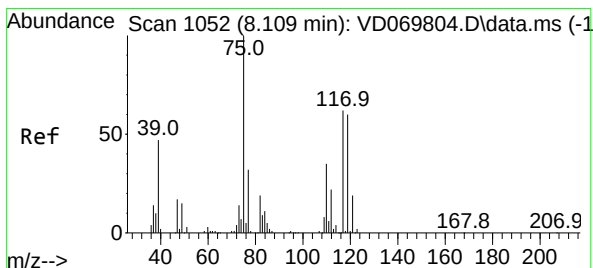
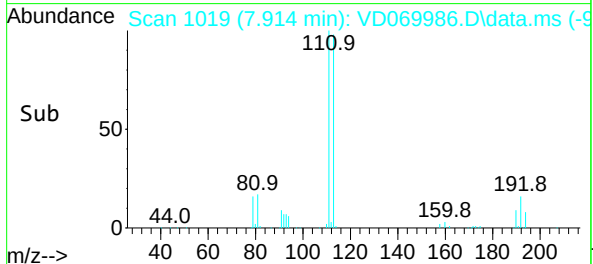
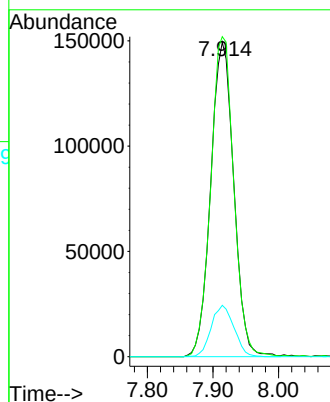
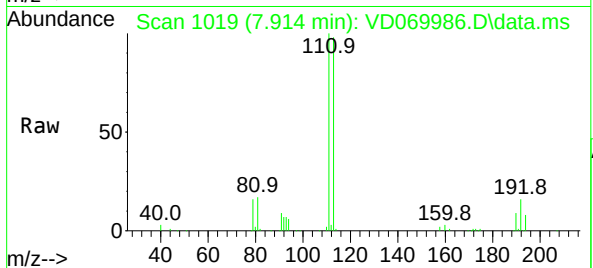
Tgt Ion:113 Resp: 364425

Ion Ratio Lower Upper

113 100

111 101.6 80.5 120.7

192 16.2 12.6 19.0



#36

1,1-Dichloropropene

Concen: 4.254 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD069986.D

Acq: 04 Aug 2021 15:15

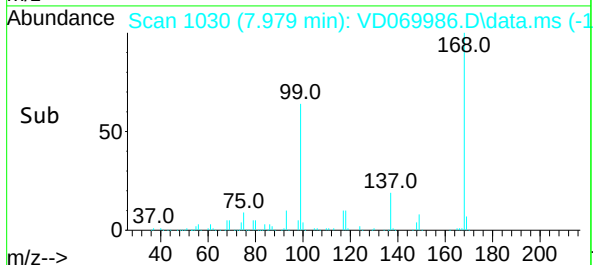
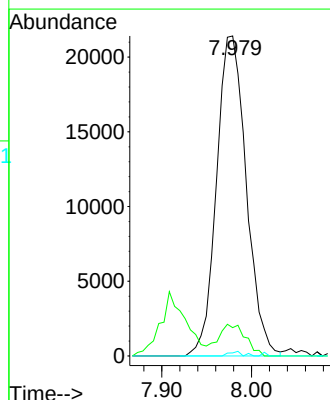
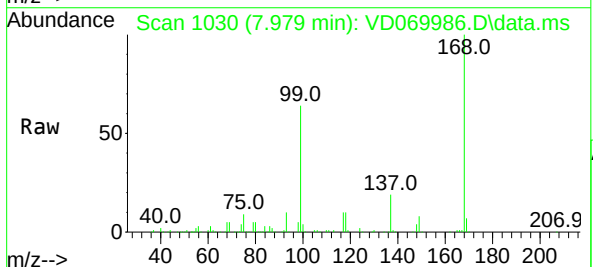
Tgt Ion: 75 Resp: 49274

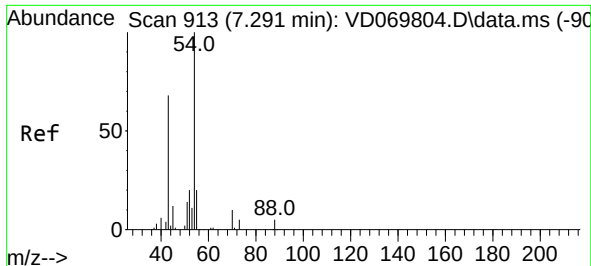
Ion Ratio Lower Upper

75 100

110 9.1 16.9 50.7#

77 0.6 24.9 37.3#

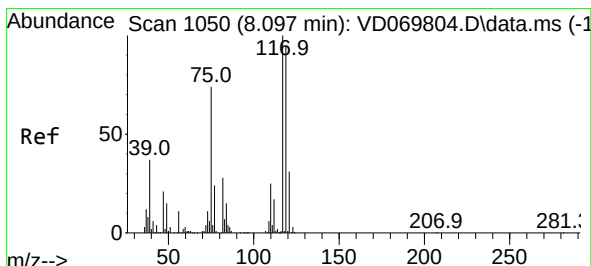
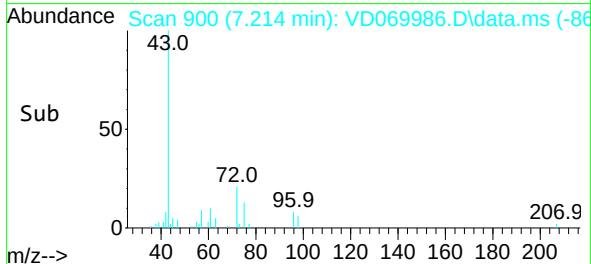
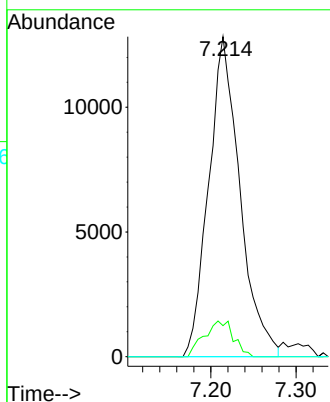
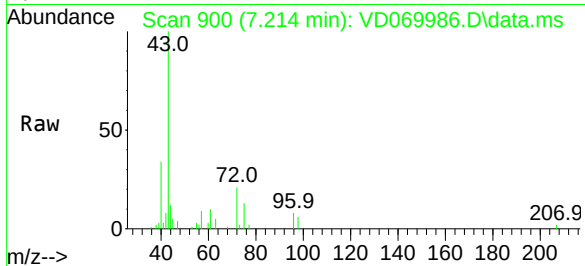




#37
Ethyl Acetate
Concen: 7.752 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.077 min
Lab File: VD069986.D
Acq: 04 Aug 2021 15:15

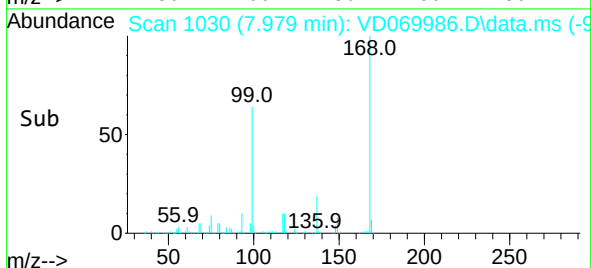
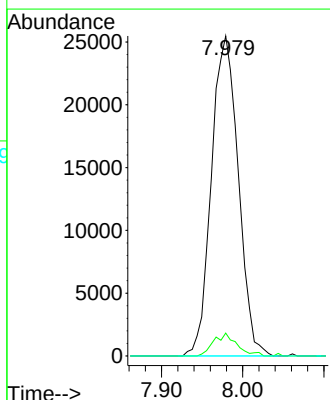
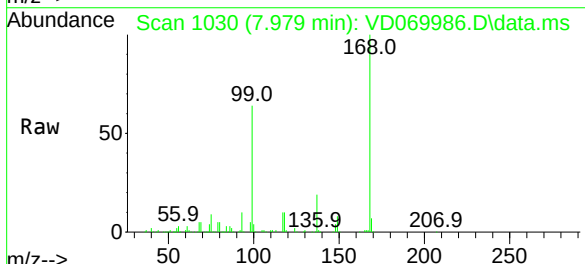
Instrument :
MSVOA_D
ClientSampleId :
20210444-30

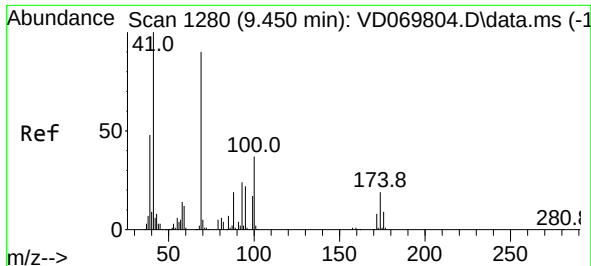
Tgt Ion: 43 Resp: 32692
Ion Ratio Lower Upper
43 100
61 10.5 11.8 17.8#
70 0.0 8.9 13.3#



#38
Carbon Tetrachloride
Concen: 5.535 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069986.D
Acq: 04 Aug 2021 15:15

Tgt Ion: 117 Resp: 58571
Ion Ratio Lower Upper
117 100
119 7.1 76.2 114.2#
121 0.0 24.5 36.7#

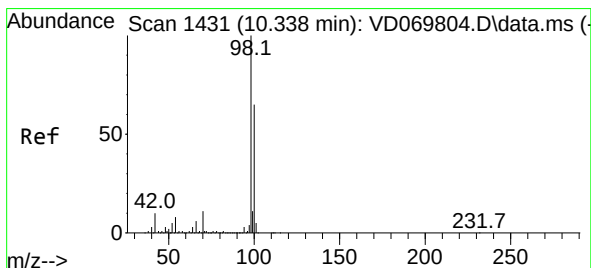
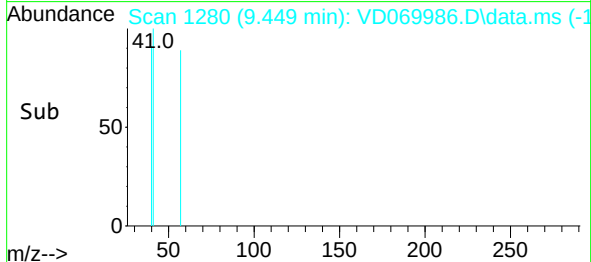
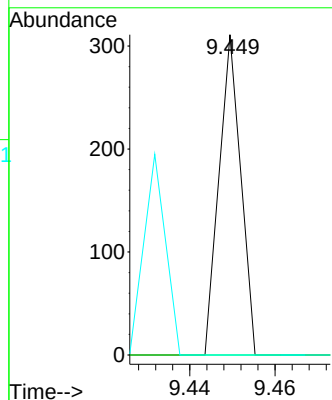
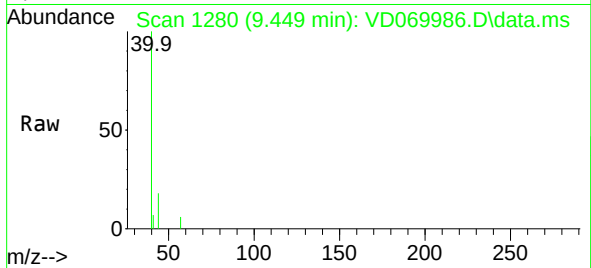




#48
Methyl methacrylate
Concen: 2.773 ug/l
RT: 9.449 min Scan# 1280
Delta R.T. -0.001 min
Lab File: VD069986.D
Acq: 04 Aug 2021 15:15

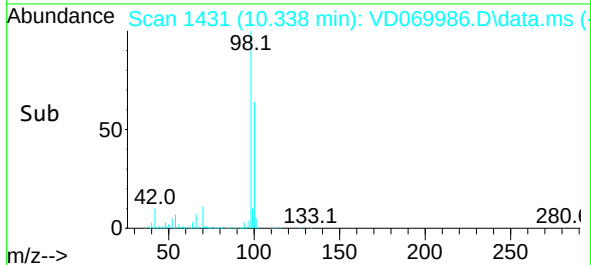
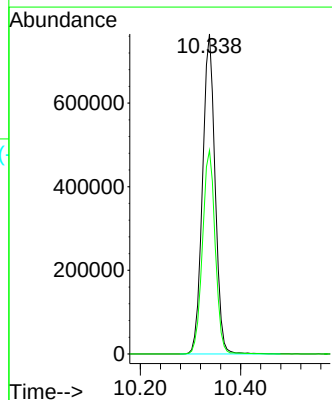
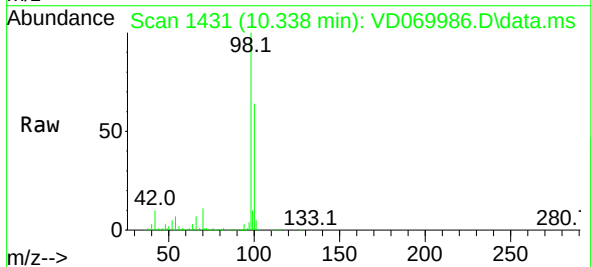
Instrument :
MSVOA_D
ClientSampleId :
20210444-30

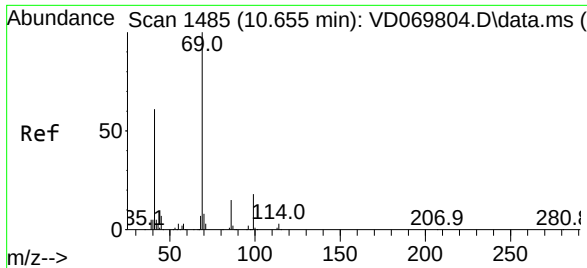
Tgt Ion: 41 Resp: 110
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 62.7 36.6 55.0#



#50
Toluene-d8
Concen: 50.972 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069986.D
Acq: 04 Aug 2021 15:15

Tgt Ion: 98 Resp: 1329983
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9

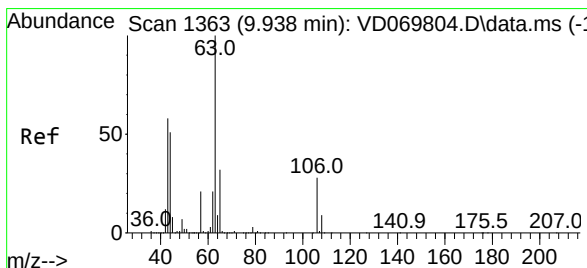
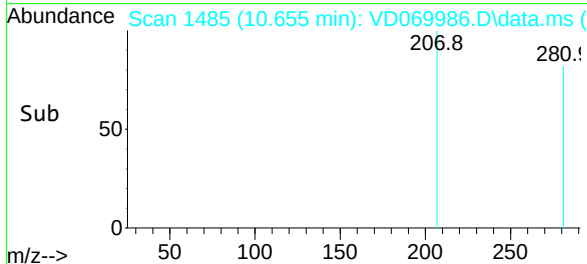
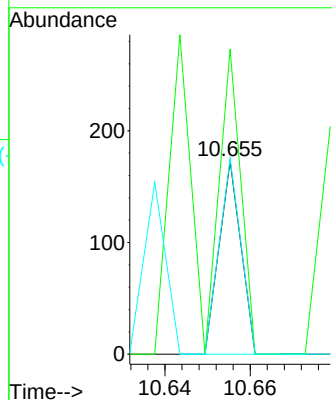
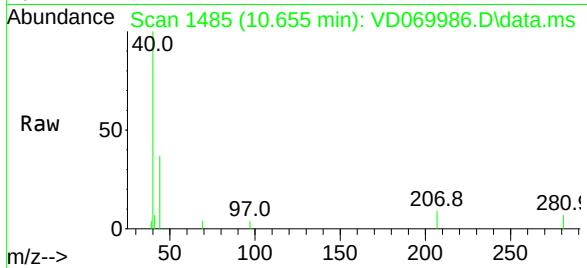




#56
Ethyl methacrylate
Concen: 3.903 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD069986.D
Acq: 04 Aug 2021 15:15

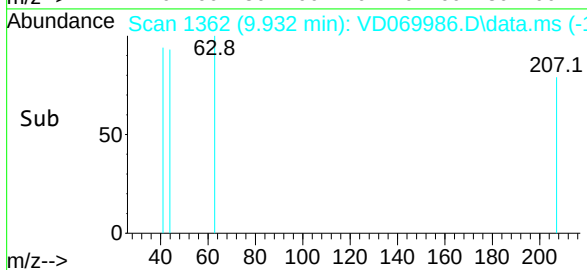
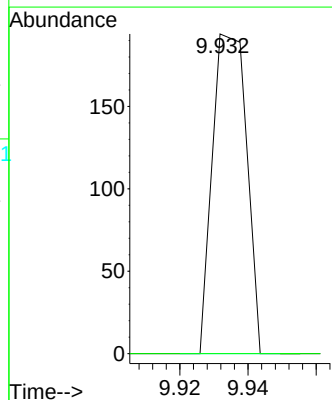
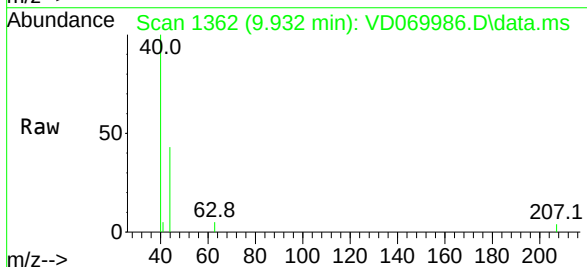
Instrument :
MSVOA_D
ClientSampleId :
20210444-30

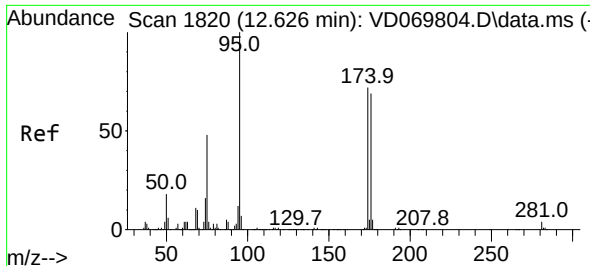
Tgt Ion: 69 Resp: 61
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 101.6 22.0 33.0#



#58
2-Chloroethyl Vinyl ether
Concen: 20.907 ug/l
RT: 9.932 min Scan# 1362
Delta R.T. -0.006 min
Lab File: VD069986.D
Acq: 04 Aug 2021 15:15

Tgt Ion: 63 Resp: 135
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#

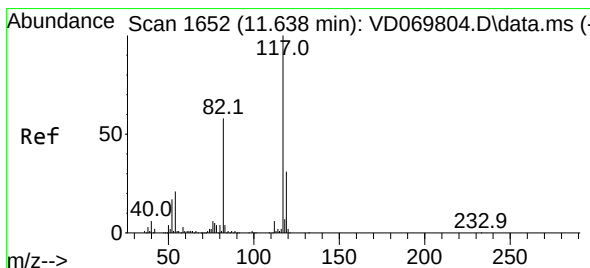
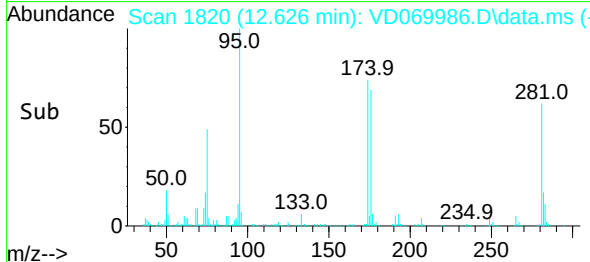
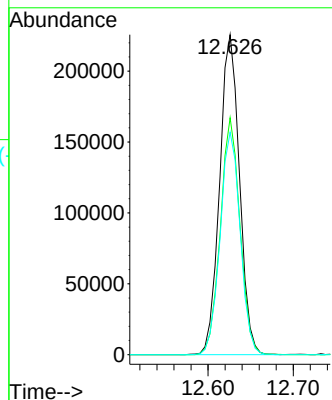
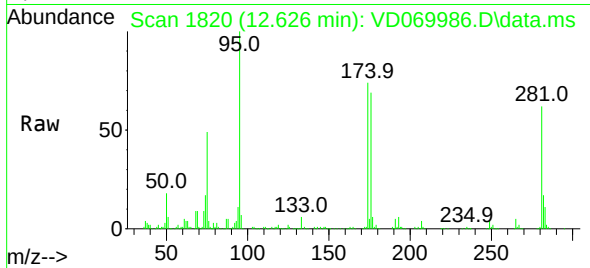




#62
4-Bromofluorobenzene
Concen: 41.909 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069986.D
Acq: 04 Aug 2021 15:15

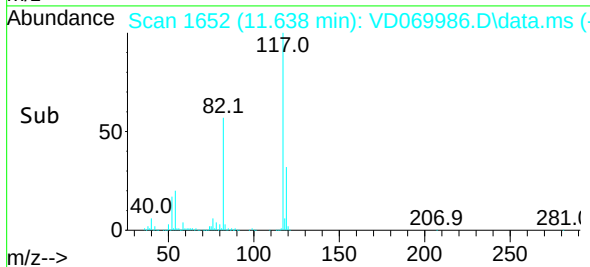
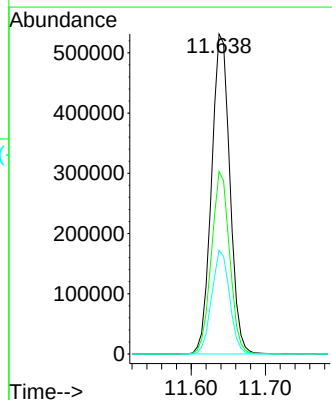
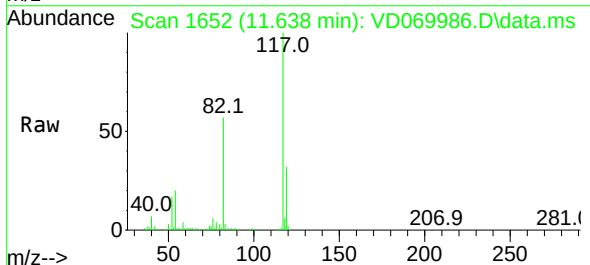
Instrument :
MSVOA_D
ClientSampleId :
20210444-30

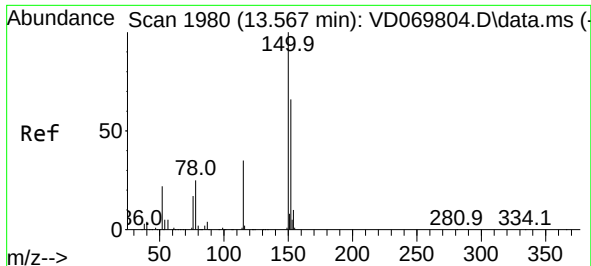
Tgt Ion: 95 Resp: 365454
Ion Ratio Lower Upper
95 100
174 73.3 0.0 142.6
176 70.0 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069986.D
Acq: 04 Aug 2021 15:15

Tgt Ion: 117 Resp: 912168
Ion Ratio Lower Upper
117 100
82 57.0 46.3 69.5
119 32.4 24.7 37.1

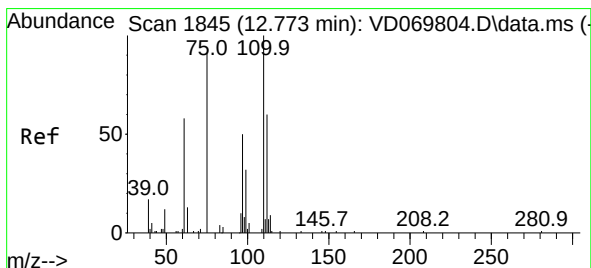
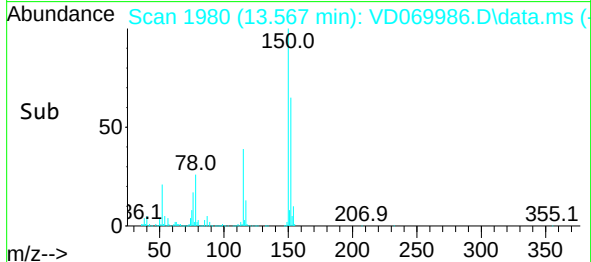
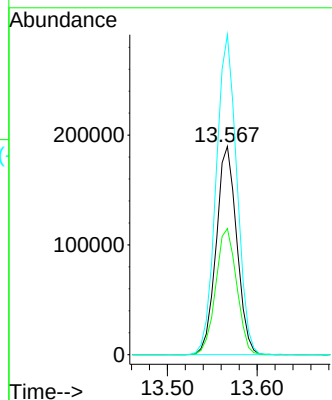
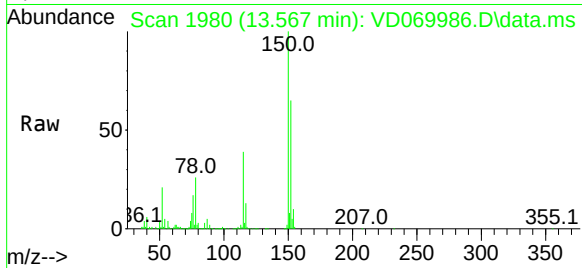




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069986.D
 Acq: 04 Aug 2021 15:15

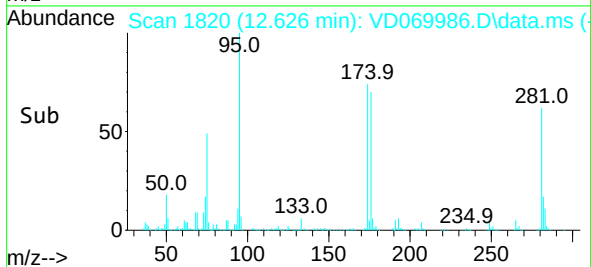
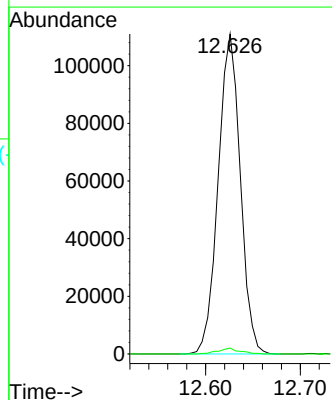
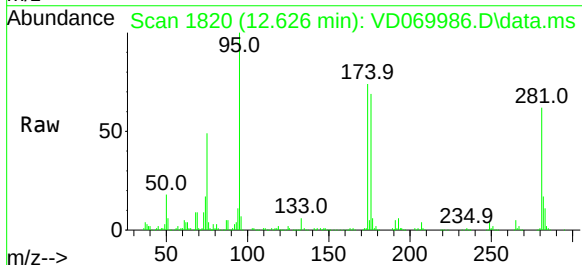
Instrument :
 MSVOA_D
 ClientSampleId :
 20210444-30

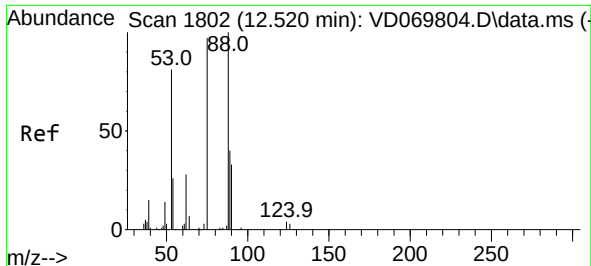
Tgt Ion:152 Resp: 301386
 Ion Ratio Lower Upper
 152 100
 115 61.8 31.1 93.3
 150 155.1 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 56.244 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069986.D
 Acq: 04 Aug 2021 15:15

Tgt Ion: 75 Resp: 180178
 Ion Ratio Lower Upper
 75 100
 77 1.8 181.5 544.5#

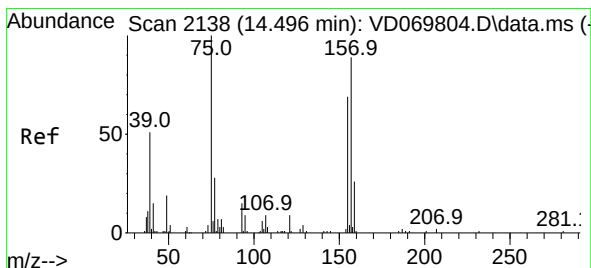
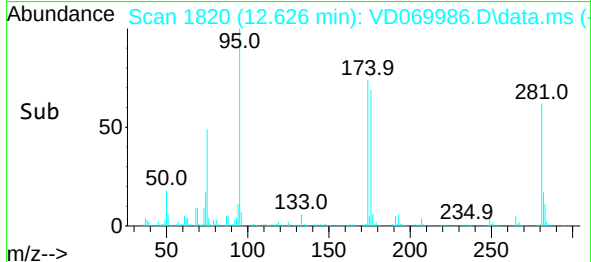
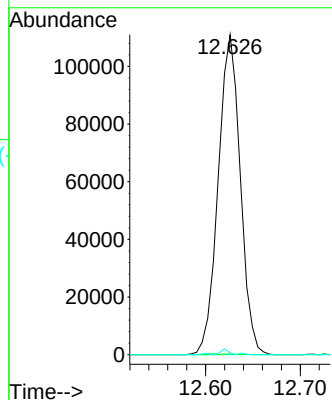
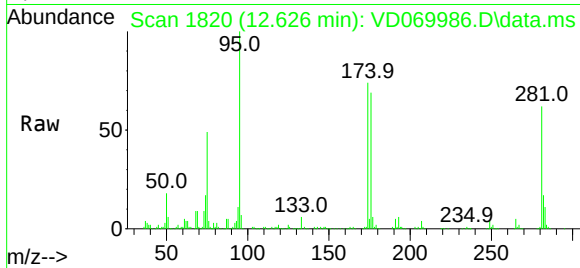




#81
trans-1,4-Dichloro-2-butene
Concen: 170.629 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069986.D
Acq: 04 Aug 2021 15:15

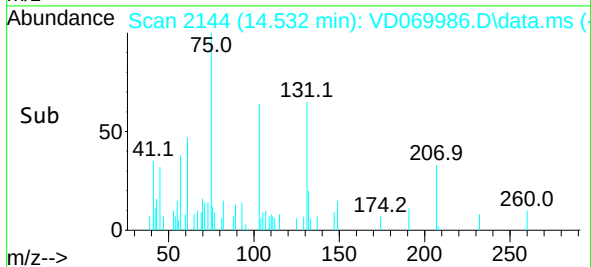
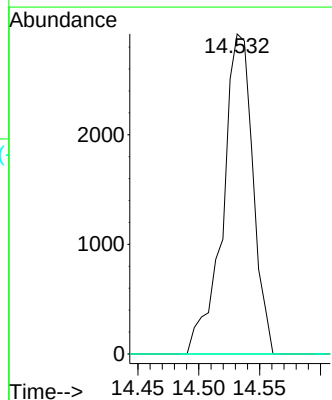
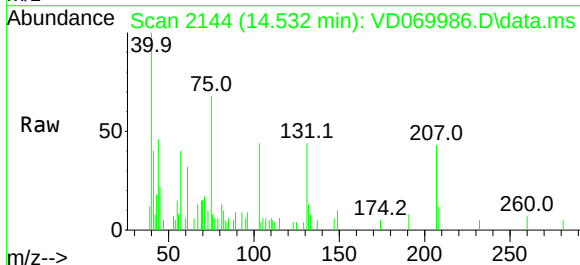
Instrument :
MSVOA_D
ClientSampleId :
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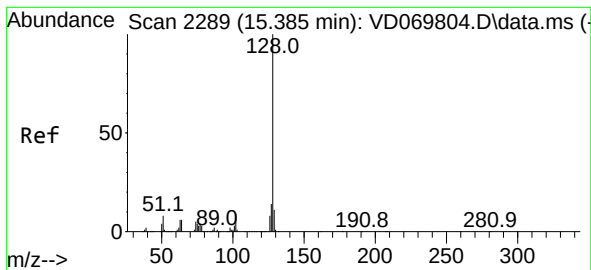
Tgt Ion: 75 Resp: 180178
Ion Ratio Lower Upper
75 100
53 0.2 67.2 100.8#
89 0.8 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 8.052 ug/l
RT: 14.532 min Scan# 2144
Delta R.T. 0.035 min
Lab File: VD069986.D
Acq: 04 Aug 2021 15:15

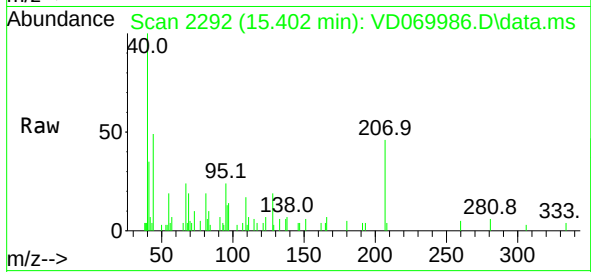
Tgt Ion: 75 Resp: 5014
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#





#95
Naphthalene
Concen: 5.155 ug/l
RT: 15.402 min Scan# 2292
Delta R.T. 0.017 min
Lab File: VD069986.D
Acq: 04 Aug 2021 15:15

Instrument :
MSVOA_D
ClientSampleId :
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Tgt Ion:	128	Resp:	1718
Ion	Ratio	Lower	Upper
128	100		
127	3.9	10.6	16.0#
129	3.5	8.6	12.8#

