

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072921\
 Data File : VD069909.D
 Acq On : 29 Jul 2021 14:05
 Operator : VA/SY
 Sample : M3216-03RE
 Misc : 8.50G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 00:55:16 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)

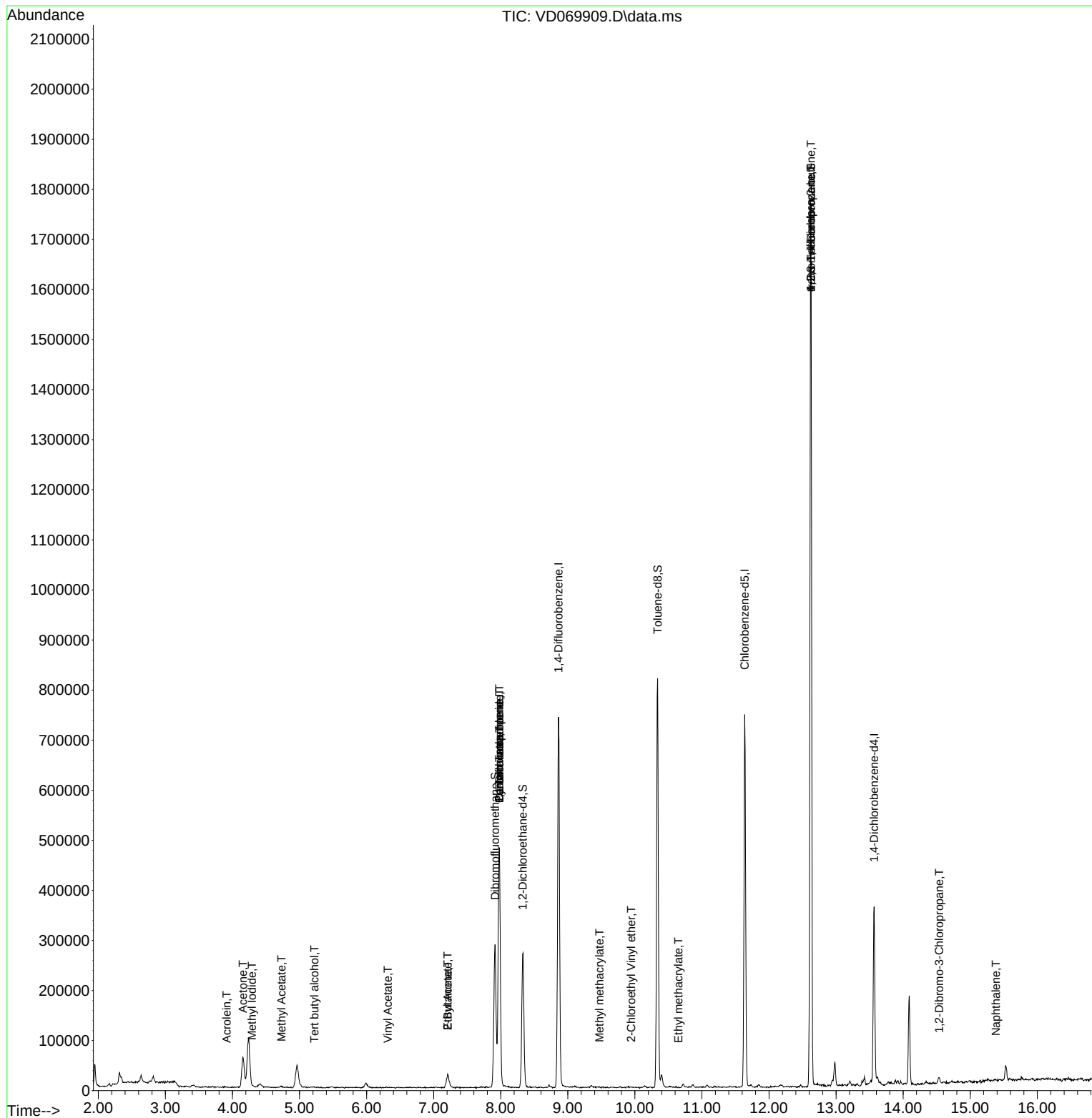
Internal Standards						
1) Pentafluorobenzene	7.979	168	340141	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	626052	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	435402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	93068	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	207453	53.031	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.060%	
35) Dibromofluoromethane	7.914	113	208440	52.815	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.620%	
50) Toluene-d8	10.338	98	566543	37.229	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 74.460%	
62) 4-Bromofluorobenzene	12.626	95	147126	28.928	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 57.860%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.791	94	2765	Below Cal	#	62
10) Methyl Iodide	4.291	142	1774	3.853	ug/l #	47
11) Tert butyl alcohol	5.220	59	772	3.814	ug/l #	73
13) Acrolein	3.915	56	553	1.952	ug/l #	14
16) Acetone	4.156	43	106511	150.721	ug/l	97
18) Methyl Acetate	4.732	43	3435	1.675	ug/l #	73
23) Vinyl Acetate	6.314	43	283	20.387	ug/l #	71
25) 2-Butanone	7.209	43	35285	36.819	ug/l	99
31) Cyclohexane	7.979	56	8547	1.118	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	31603	4.678	ug/l #	48
37) Ethyl Acetate	7.209	43	35285	14.346	ug/l #	71
38) Carbon Tetrachloride	7.979	117	37313	6.046	ug/l #	15
48) Methyl methacrylate	9.473	41	195	2.825	ug/l #	28
56) Ethyl methacrylate	10.650	69	165	3.930	ug/l #	28
58) 2-Chloroethyl Vinyl ether	9.944	63	626	21.166	ug/l #	48
76) 1,2,3-Trichloropropane	12.626	75	81976	82.867	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	81976	251.398	ug/l #	19
92) 1,2-Dibromo-3-Chloropr...	14.538	75	2974	15.466	ug/l #	7
95) Naphthalene	15.385	128	1757	5.518	ug/l	96

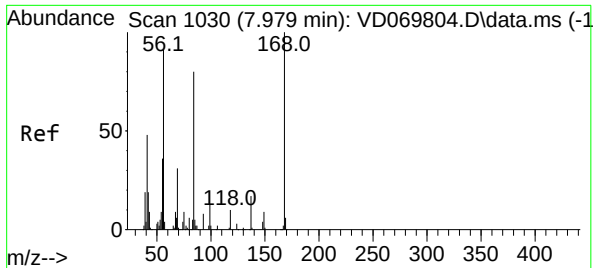
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072921\
Data File : VD069909.D
Acq On : 29 Jul 2021 14:05
Operator : VA/SY
Sample : M3216-03RE
Misc : 8.50G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jul 30 00:55:16 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

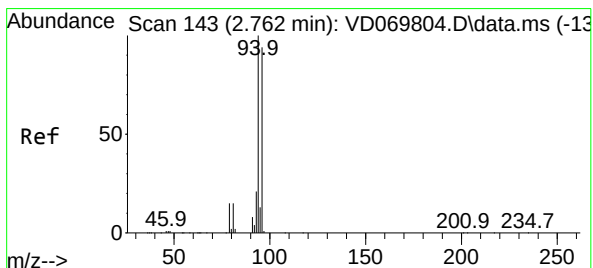
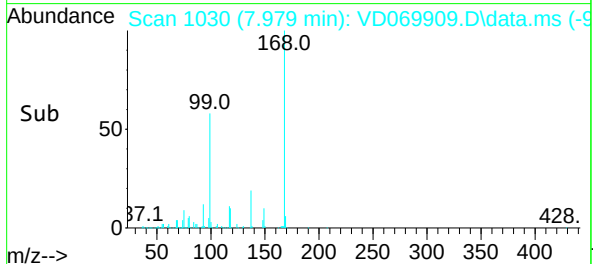
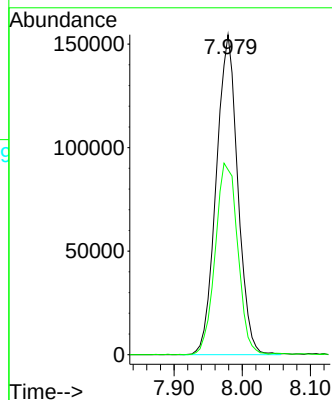
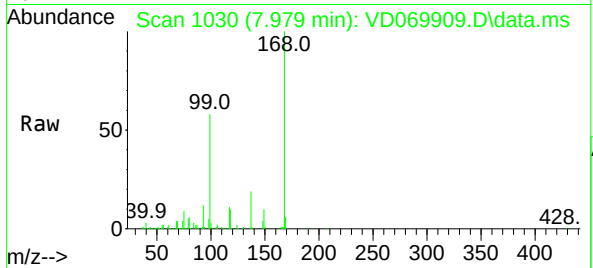




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069909.D
Acq: 29 Jul 2021 14:05

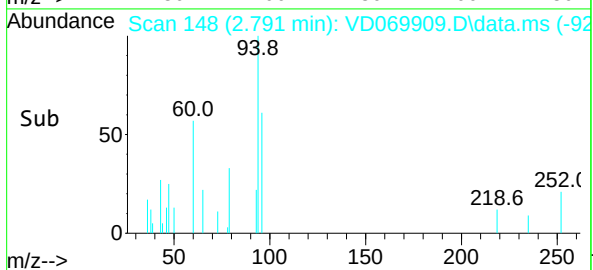
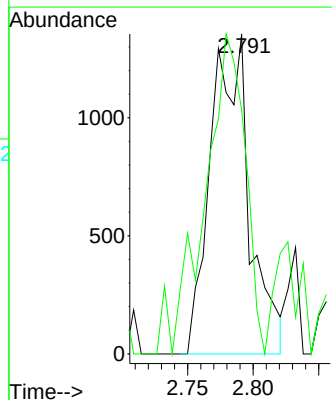
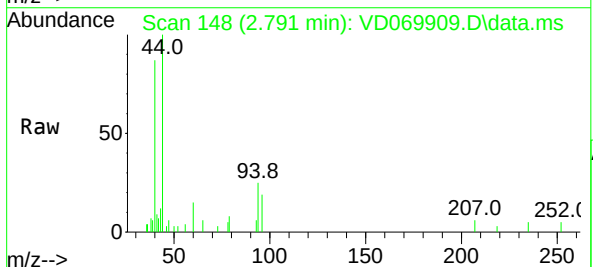
Instrument :
MSVOA_D
ClientSampled :

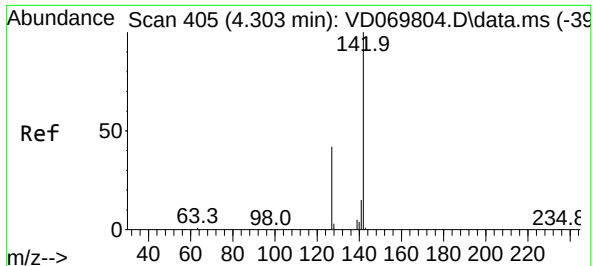
Tgt Ion:168 Resp: 340141
Ion Ratio Lower Upper
168 100
99 57.7 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.029 min
Lab File: VD069909.D
Acq: 29 Jul 2021 14:05

Tgt Ion: 94 Resp: 2765
Ion Ratio Lower Upper
94 100
96 56.9 74.8 112.2#

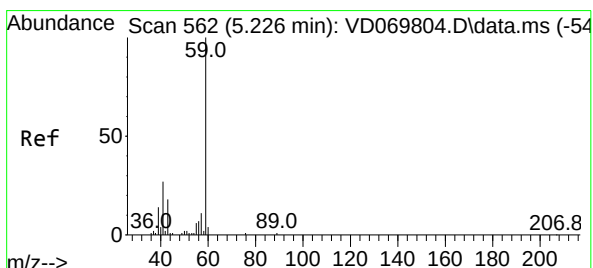
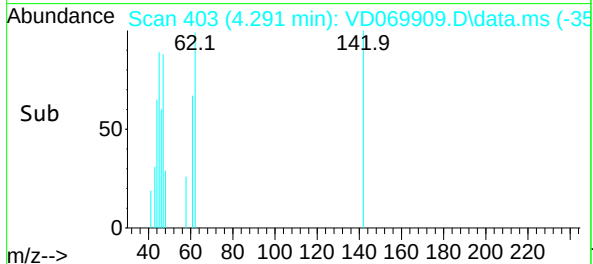
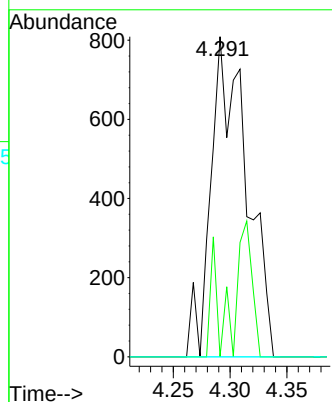
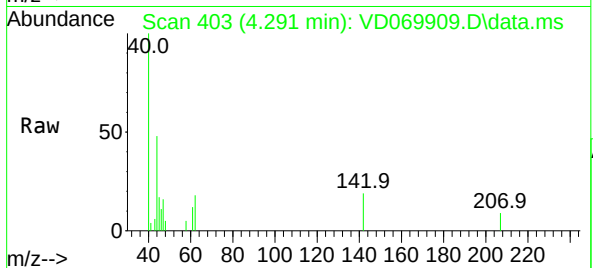




#10
Methyl Iodide
Concen: 3.853 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD069909.D
Acq: 29 Jul 2021 14:05

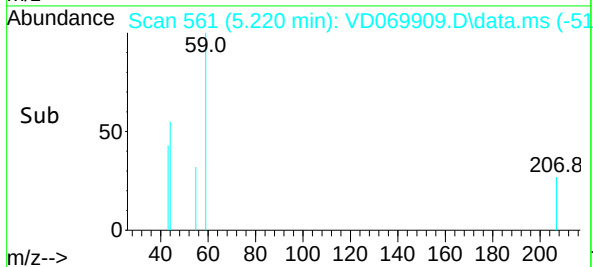
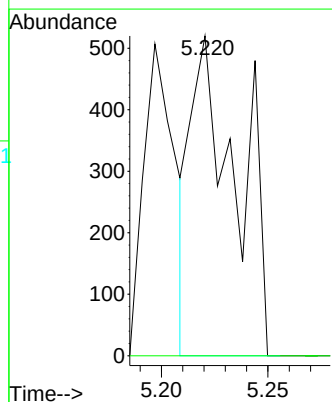
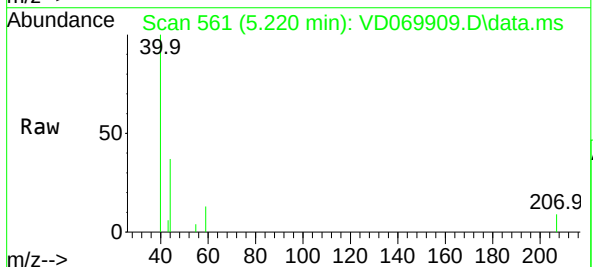
Instrument :
MSVOA_D
ClientSampled :

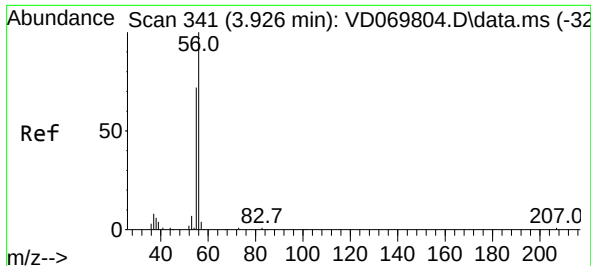
Tgt Ion:142 Resp: 1774
Ion Ratio Lower Upper
142 100
127 6.0 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 3.814 ug/l
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD069909.D
Acq: 29 Jul 2021 14:05

Tgt Ion: 59 Resp: 772
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

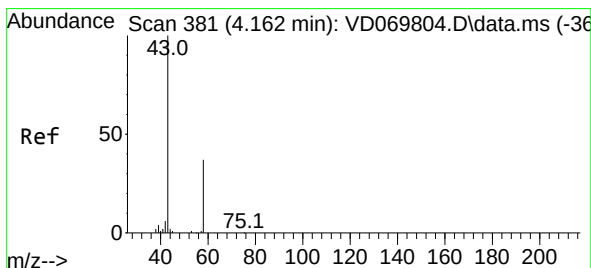
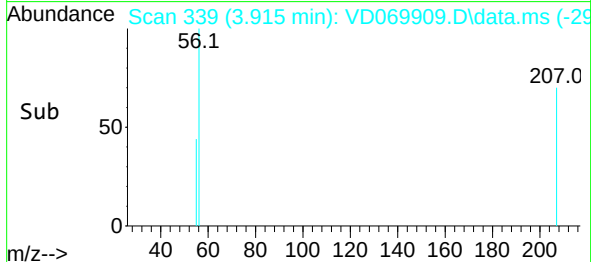
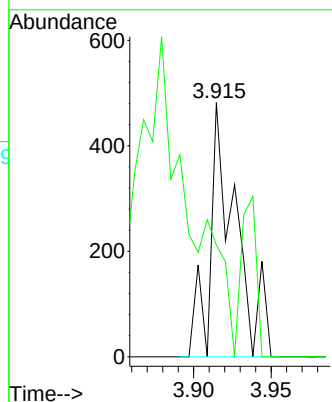
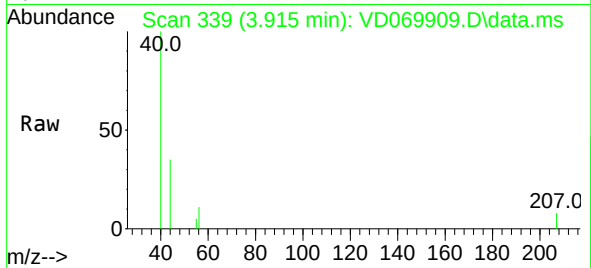




#13
Acrolein
Concen: 1.952 ug/l
RT: 3.915 min Scan# 339
Delta R.T. -0.012 min
Lab File: VD069909.D
Acq: 29 Jul 2021 14:05

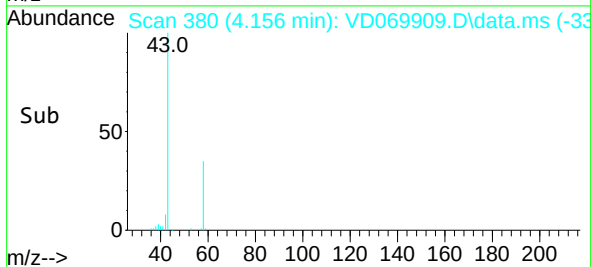
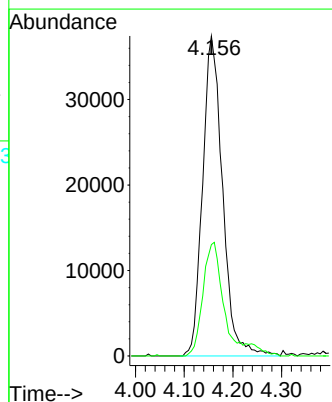
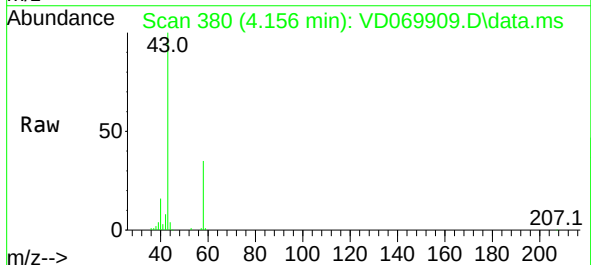
Instrument :
MSVOA_D
ClientSampled :

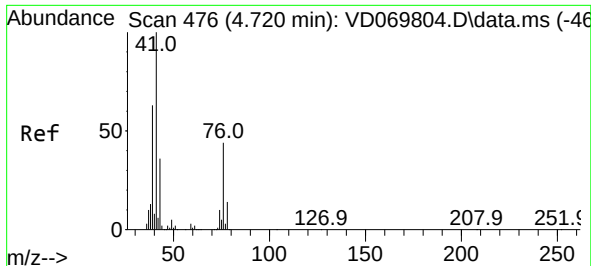
Tgt Ion: 56 Resp: 553
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#



#16
Acetone
Concen: 150.721 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069909.D
Acq: 29 Jul 2021 14:05

Tgt Ion: 43 Resp: 106511
Ion Ratio Lower Upper
43 100
58 34.8 29.4 44.0

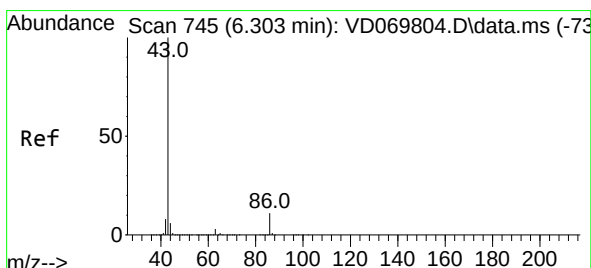
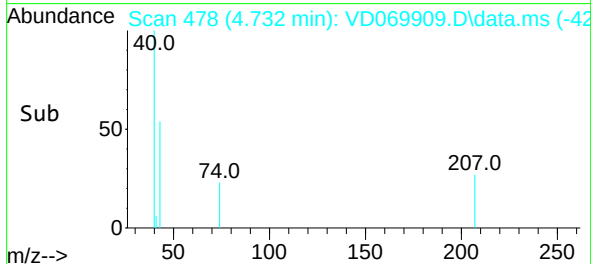
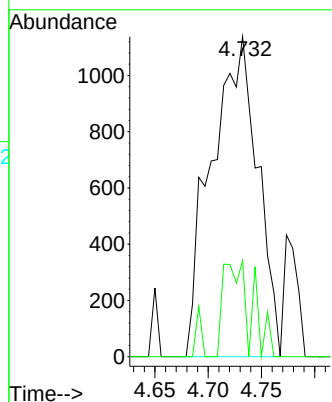
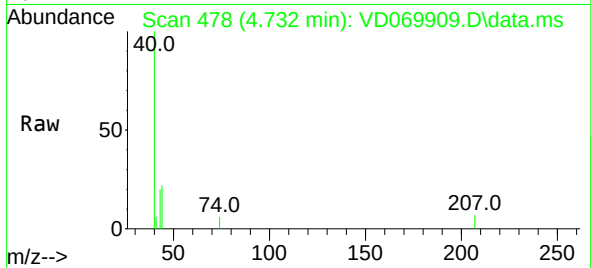




#18
Methyl Acetate
Concen: 1.675 ug/l
RT: 4.732 min Scan# 478
Delta R.T. 0.012 min
Lab File: VD069909.D
Acq: 29 Jul 2021 14:05

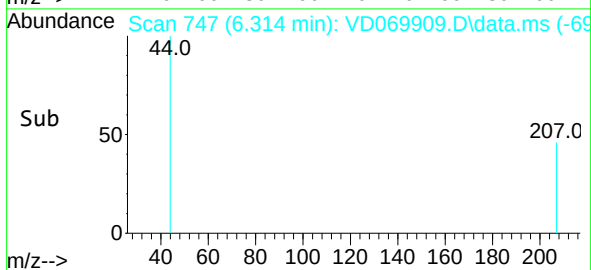
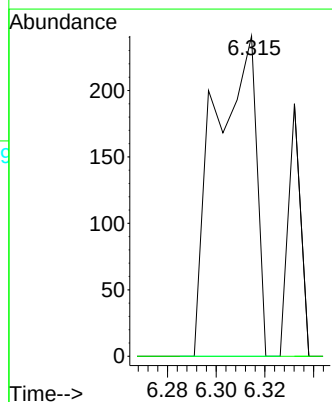
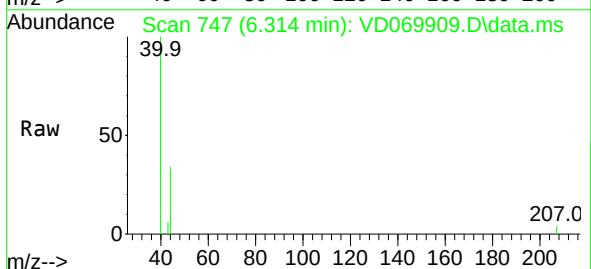
Instrument :
MSVOA_D
ClientSampled :

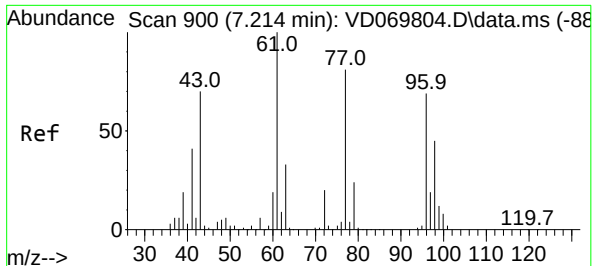
Tgt Ion: 43 Resp: 3435
Ion Ratio Lower Upper
43 100
74 13.0 21.4 32.2#



#23
Vinyl Acetate
Concen: 20.387 ug/l
RT: 6.314 min Scan# 747
Delta R.T. 0.011 min
Lab File: VD069909.D
Acq: 29 Jul 2021 14:05

Tgt Ion: 43 Resp: 283
Ion Ratio Lower Upper
43 100
86 0.0 8.6 13.0#





#25

2-Butanone

Concen: 36.819 ug/l

RT: 7.209 min Scan# 899

Delta R.T. -0.006 min

Lab File: VD069909.D

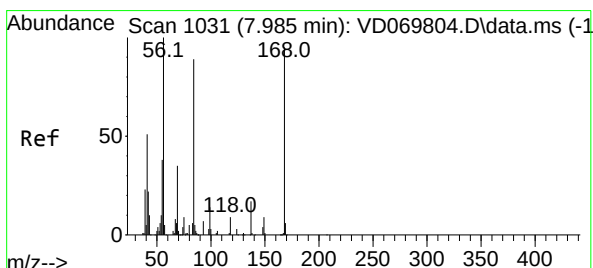
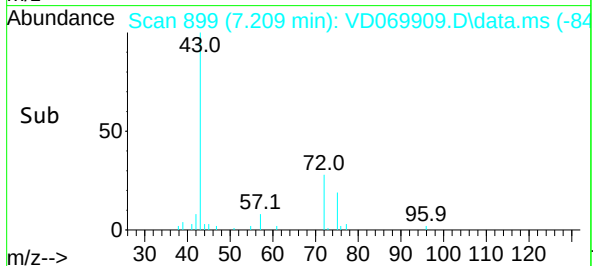
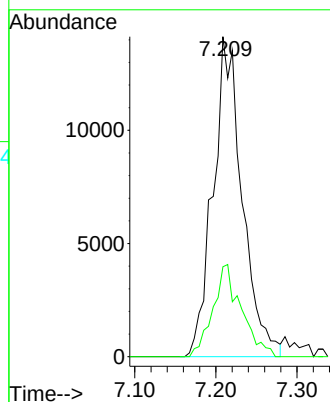
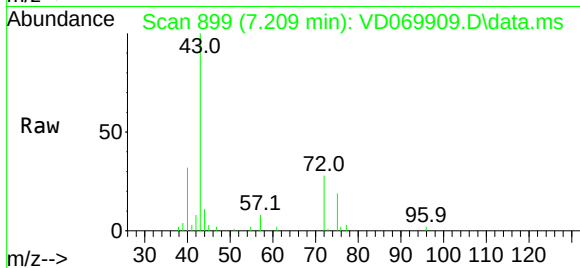
Acq: 29 Jul 2021 14:05

Tgt Ion: 43 Resp: 35285

Ion Ratio Lower Upper

43 100

72 28.1 22.8 34.2



#31

Cyclohexane

Concen: 1.118 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD069909.D

Acq: 29 Jul 2021 14:05

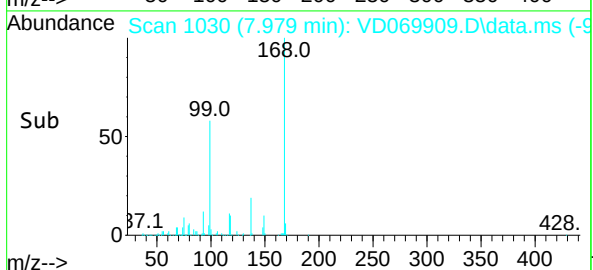
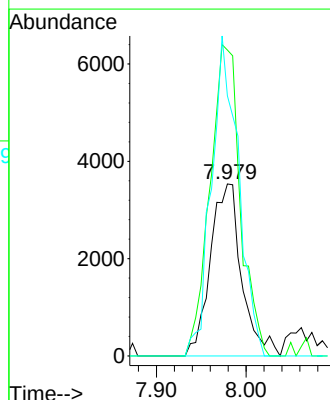
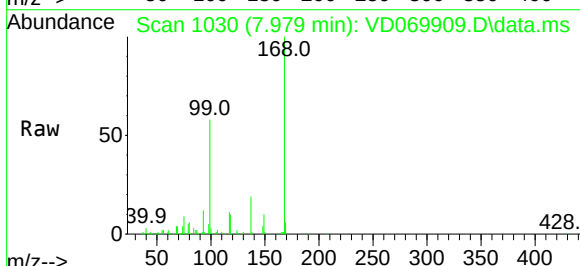
Tgt Ion: 56 Resp: 8547

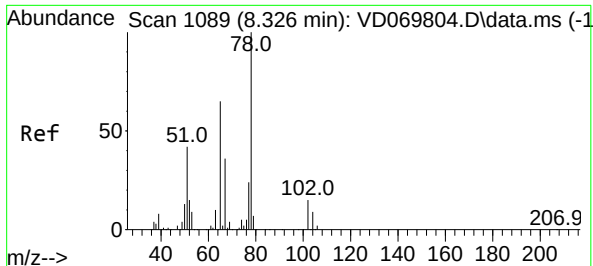
Ion Ratio Lower Upper

56 100

69 177.8 27.9 41.9#

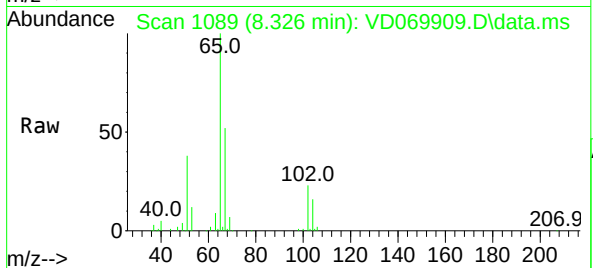
84 151.2 71.4 107.2#



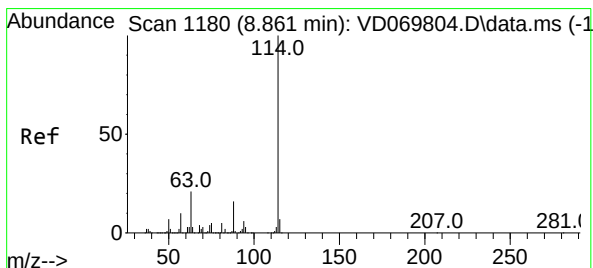
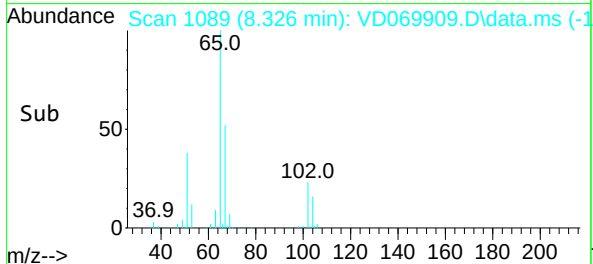
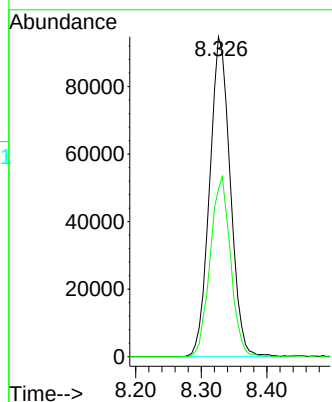


#33
1,2-Dichloroethane-d4
Concen: 53.031 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069909.D
Acq: 29 Jul 2021 14:05

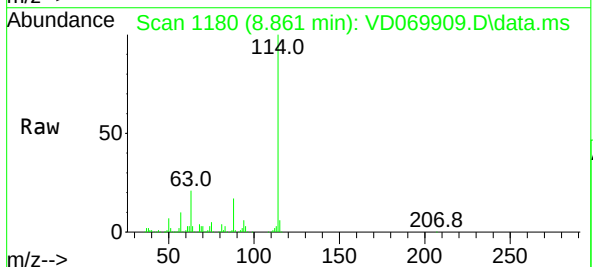
Instrument :
MSVOA_D
ClientSampleId :



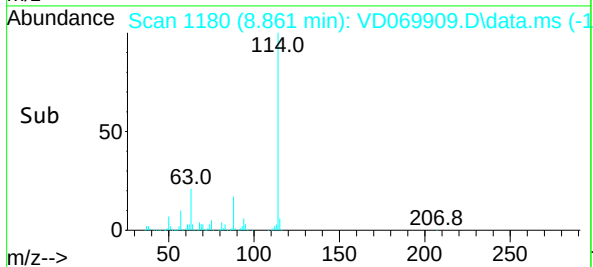
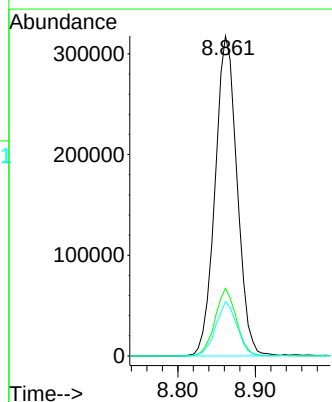
Tgt Ion: 65 Resp: 207453
Ion Ratio Lower Upper
65 100
67 55.4 0.0 111.2

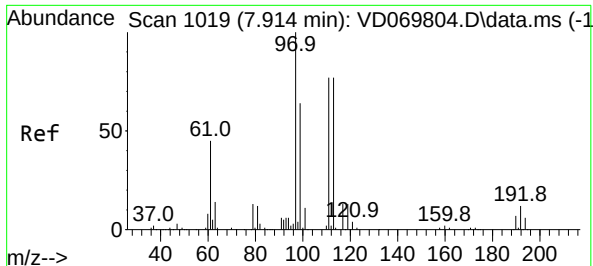


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069909.D
Acq: 29 Jul 2021 14:05



Tgt Ion: 114 Resp: 626052
Ion Ratio Lower Upper
114 100
63 21.1 0.0 41.6
88 17.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.815 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069909.D

Acq: 29 Jul 2021 14:05

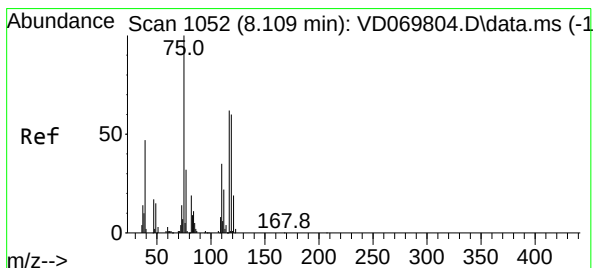
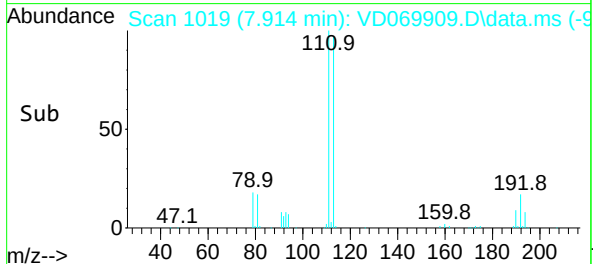
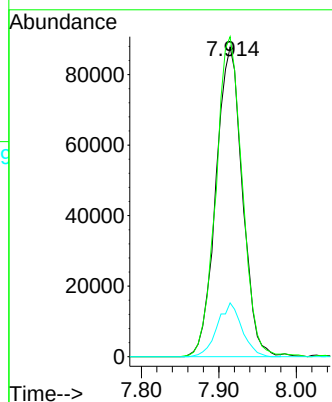
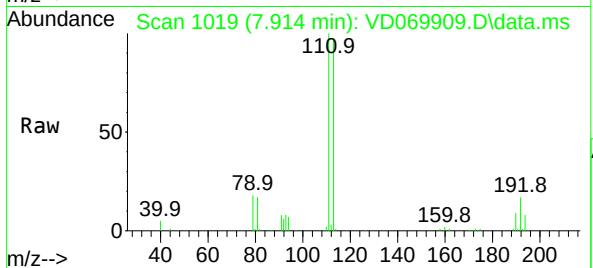
Tgt Ion:113 Resp: 208440

Ion Ratio Lower Upper

113 100

111 102.8 80.5 120.7

192 16.2 12.6 19.0



#36

1,1-Dichloropropene

Concen: 4.678 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD069909.D

Acq: 29 Jul 2021 14:05

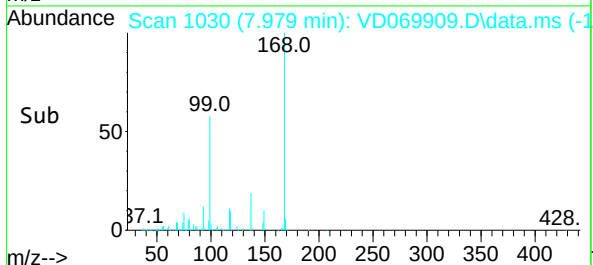
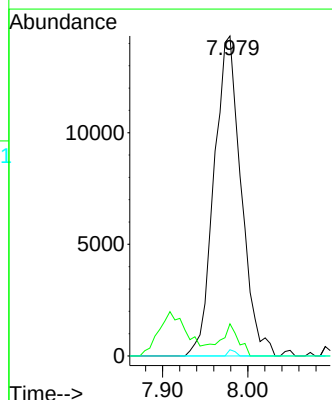
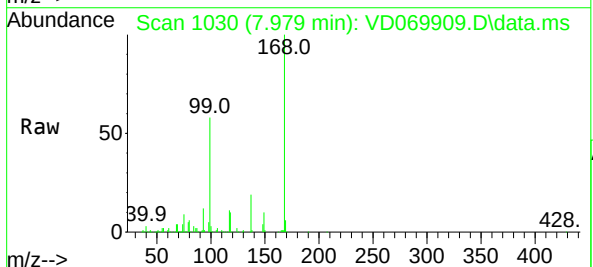
Tgt Ion: 75 Resp: 31603

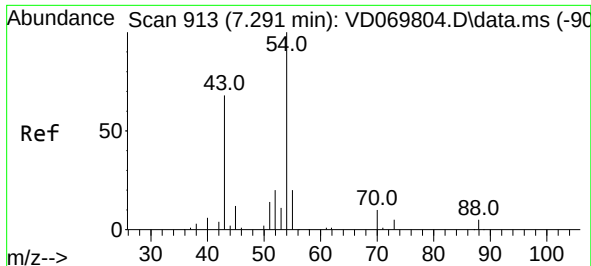
Ion Ratio Lower Upper

75 100

110 5.6 16.9 50.7#

77 0.5 24.9 37.3#

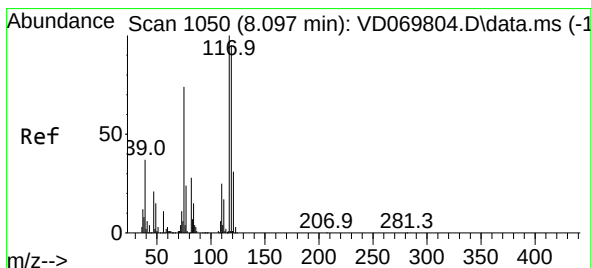
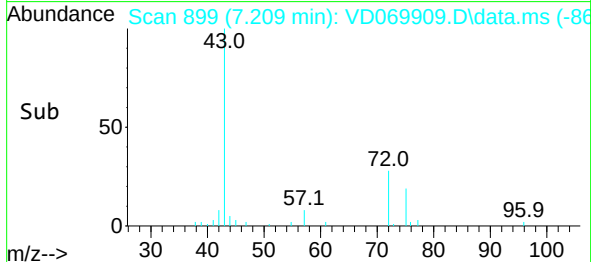
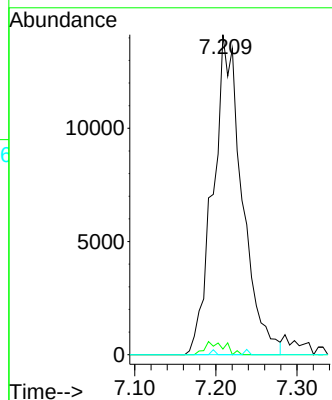
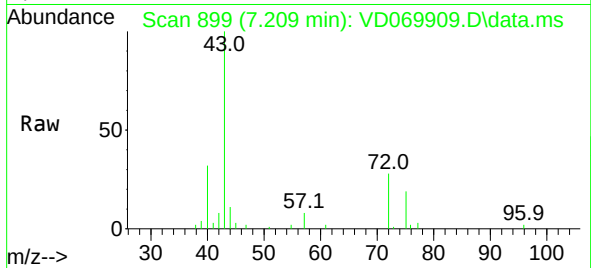




#37
Ethyl Acetate
Concen: 14.346 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.082 min
Lab File: VD069909.D
Acq: 29 Jul 2021 14:05

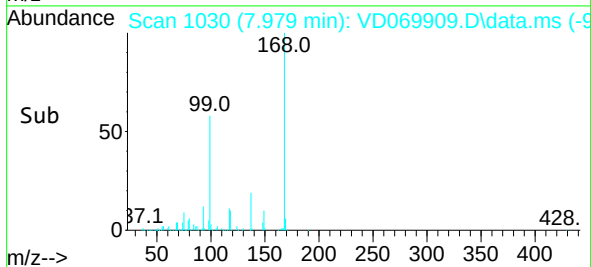
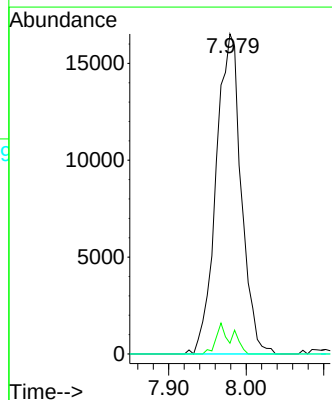
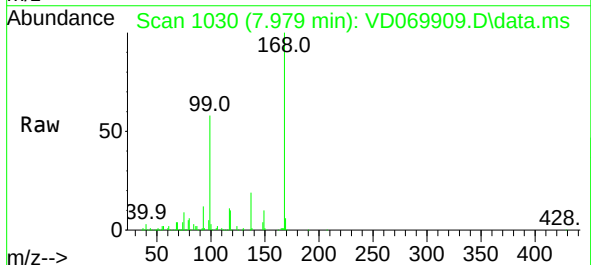
Instrument :
MSVOA_D
ClientSampled :

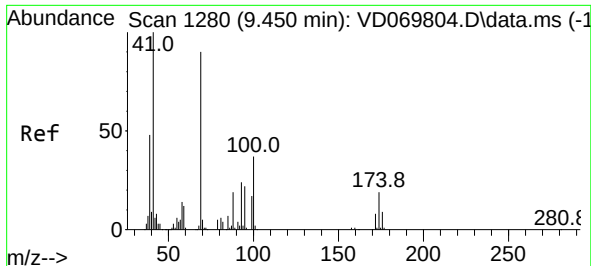
Tgt Ion: 43 Resp: 35285
Ion Ratio Lower Upper
43 100
61 2.7 11.8 17.8#
70 0.2 8.9 13.3#



#38
Carbon Tetrachloride
Concen: 6.046 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069909.D
Acq: 29 Jul 2021 14:05

Tgt Ion: 117 Resp: 37313
Ion Ratio Lower Upper
117 100
119 3.4 76.2 114.2#
121 0.0 24.5 36.7#

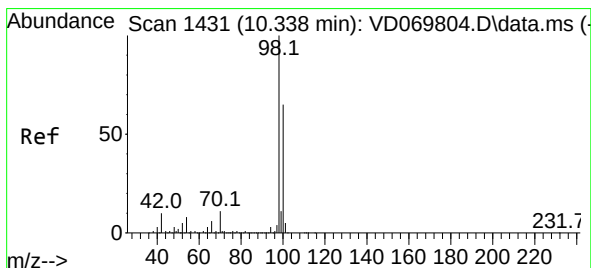
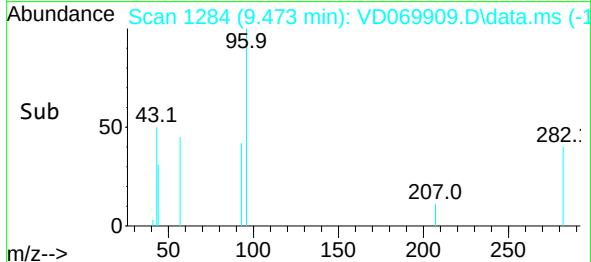
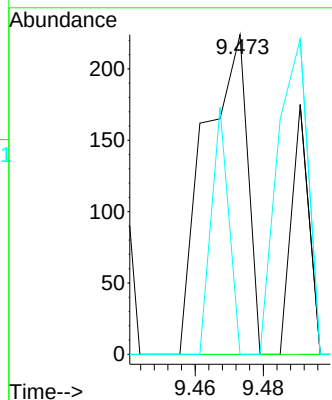
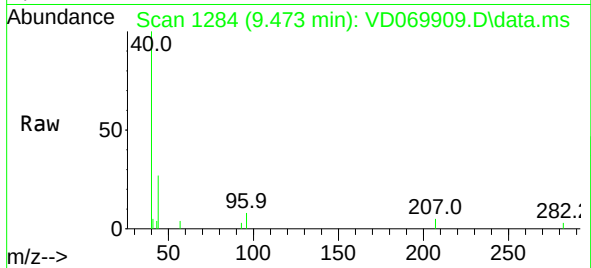




#48
Methyl methacrylate
Concen: 2.825 ug/l
RT: 9.473 min Scan# 1284
Delta R.T. 0.023 min
Lab File: VD069909.D
Acq: 29 Jul 2021 14:05

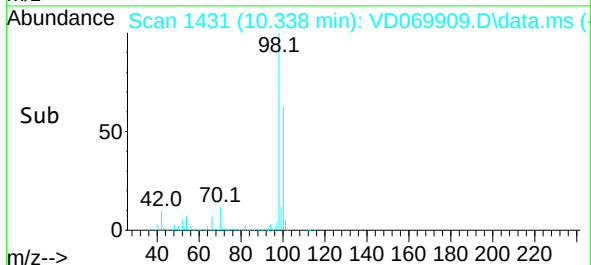
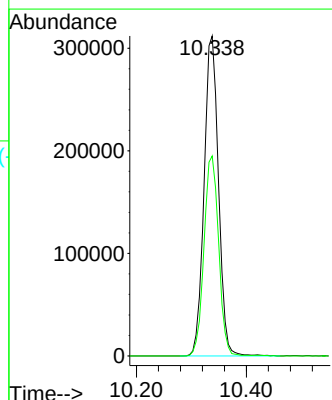
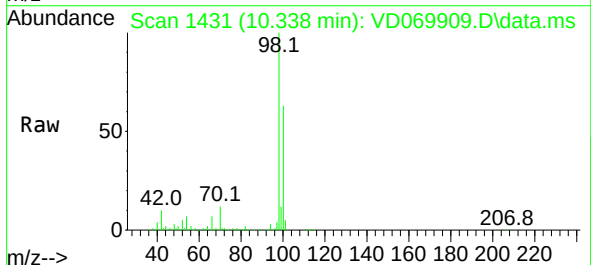
Instrument :
MSVOA_D
ClientSampleId :

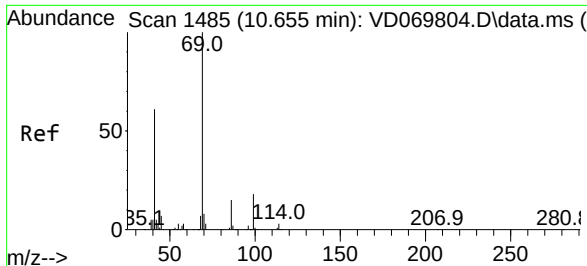
Tgt Ion: 41 Resp: 195
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 31.3 36.6 55.0#



#50
Toluene-d8
Concen: 37.229 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069909.D
Acq: 29 Jul 2021 14:05

Tgt Ion: 98 Resp: 566543
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9

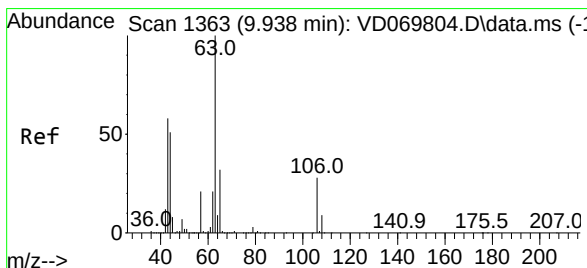
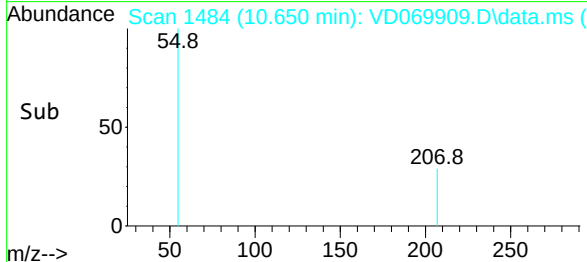
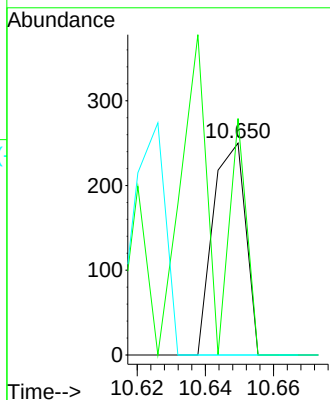
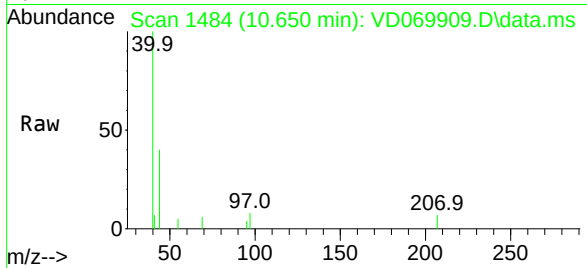




#56
Ethyl methacrylate
Concen: 3.930 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.005 min
Lab File: VD069909.D
Acq: 29 Jul 2021 14:05

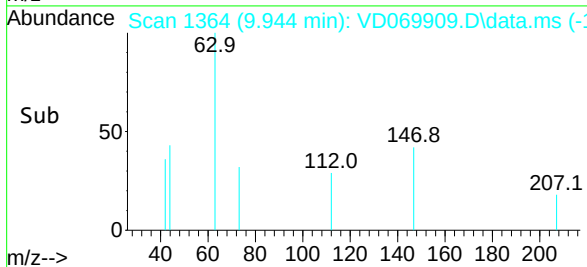
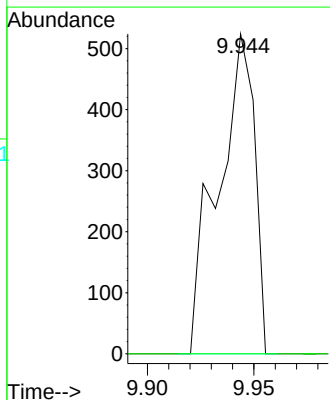
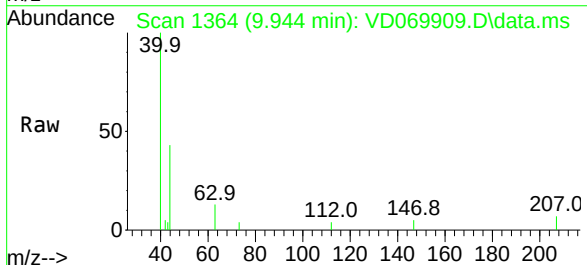
Instrument :
MSVOA_D
ClientSampled :

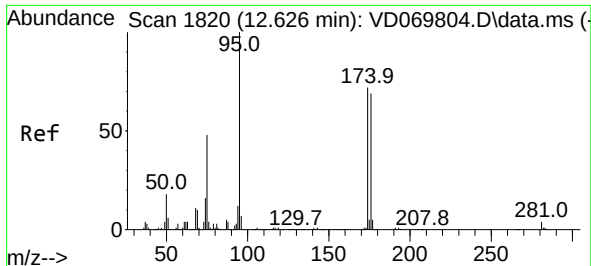
Tgt Ion: 69 Resp: 165
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 22.0 33.0#



#58
2-Chloroethyl Vinyl ether
Concen: 21.166 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VD069909.D
Acq: 29 Jul 2021 14:05

Tgt Ion: 63 Resp: 626
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#

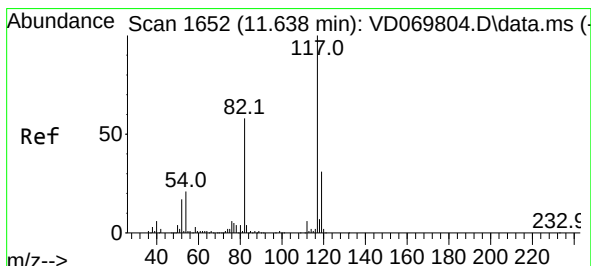
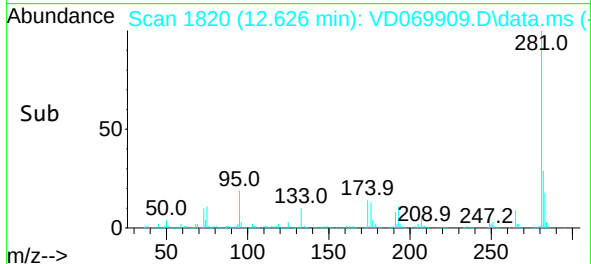
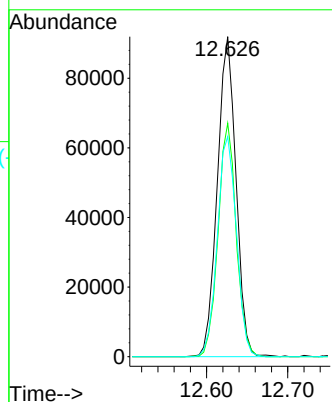
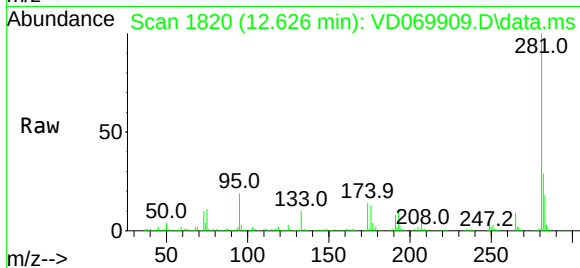




#62
4-Bromofluorobenzene
Concen: 28.928 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069909.D
Acq: 29 Jul 2021 14:05

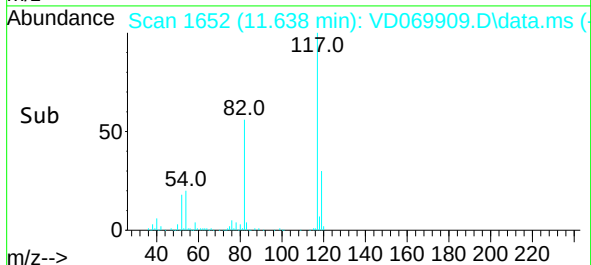
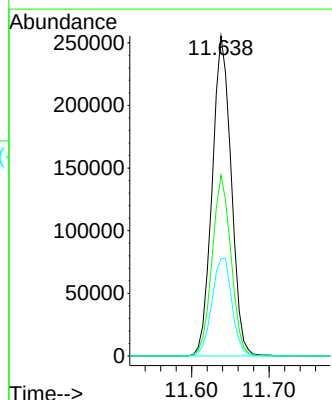
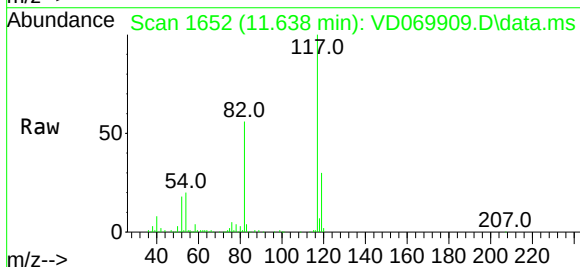
Instrument :
MSVOA_D
ClientSampleId :

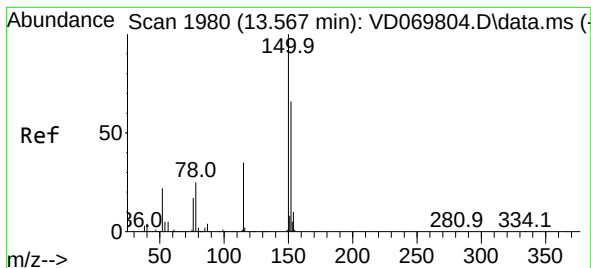
Tgt Ion: 95 Resp: 147126
Ion Ratio Lower Upper
95 100
174 70.7 0.0 142.6
176 70.4 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069909.D
Acq: 29 Jul 2021 14:05

Tgt Ion: 117 Resp: 435402
Ion Ratio Lower Upper
117 100
82 56.5 46.3 69.5
119 30.4 24.7 37.1

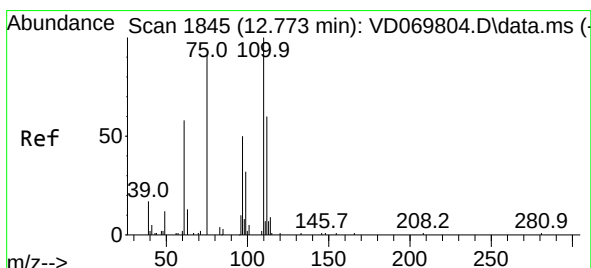
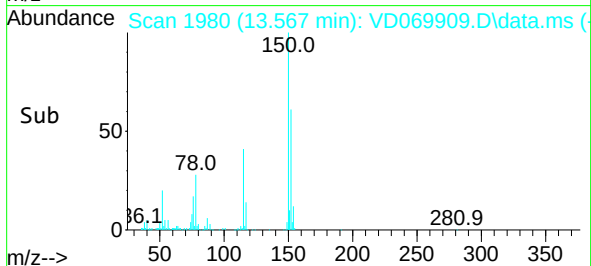
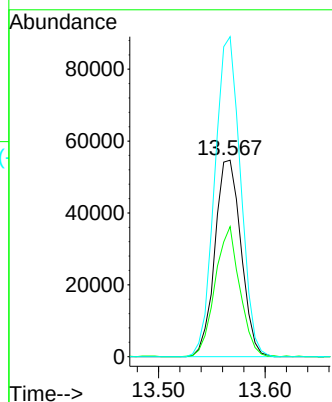
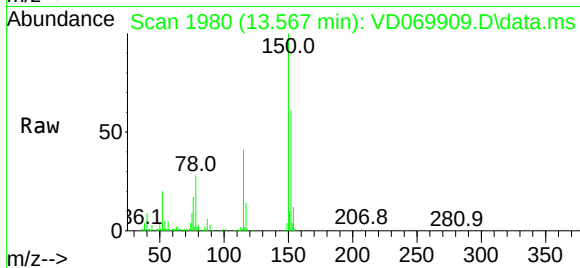




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069909.D
 Acq: 29 Jul 2021 14:05

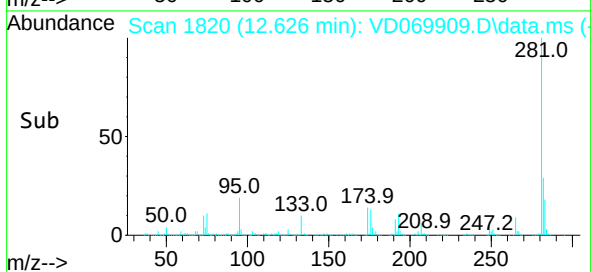
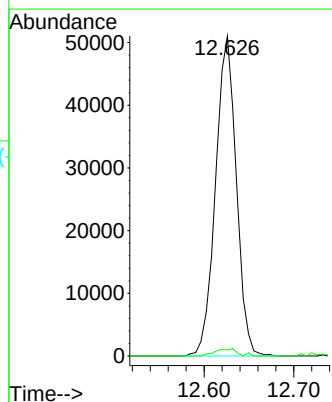
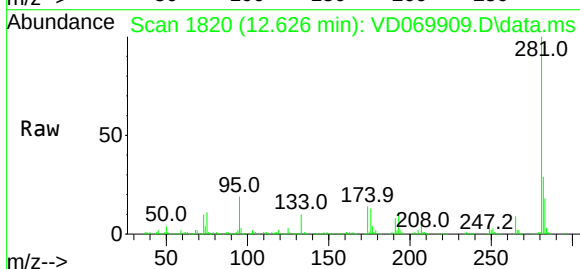
Instrument :
 MSVOA_D
 ClientSampleId :

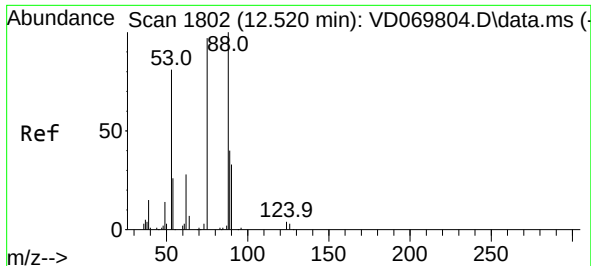
Tgt Ion:152 Resp: 93068
 Ion Ratio Lower Upper
 152 100
 115 62.7 31.1 93.3
 150 160.9 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 82.867 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069909.D
 Acq: 29 Jul 2021 14:05

Tgt Ion: 75 Resp: 81976
 Ion Ratio Lower Upper
 75 100
 77 2.2 181.5 544.5#

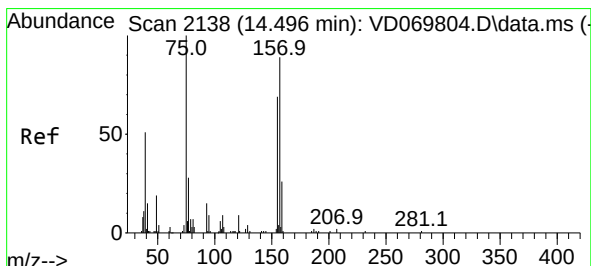
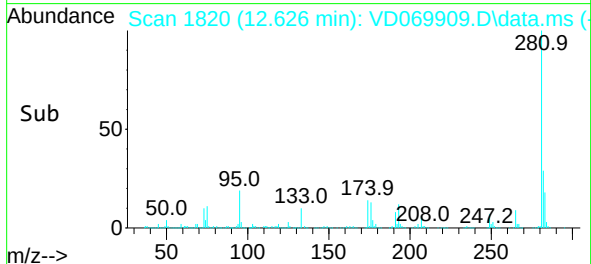
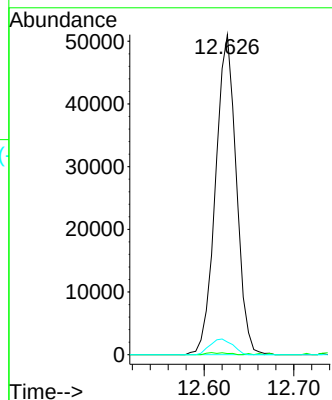
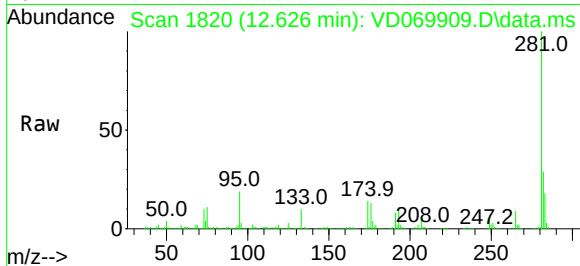




#81
trans-1,4-Dichloro-2-butene
Concen: 251.398 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069909.D
Acq: 29 Jul 2021 14:05

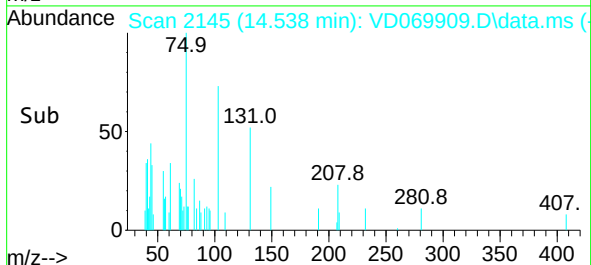
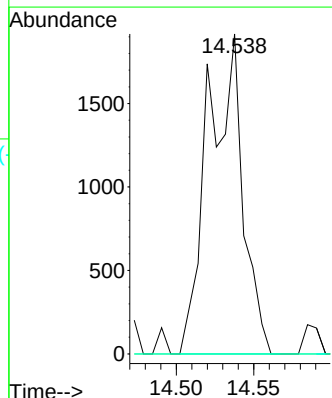
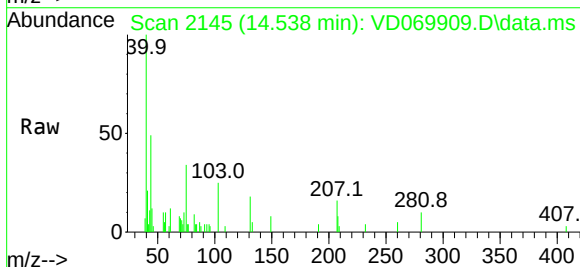
Instrument :
MSVOA_D
ClientSampled :

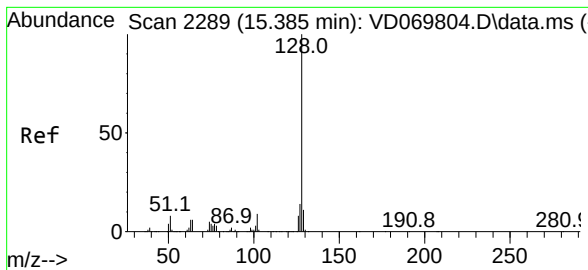
Tgt Ion: 75 Resp: 81976
Ion Ratio Lower Upper
75 100
53 0.6 67.2 100.8#
89 5.4 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 15.466 ug/l
RT: 14.538 min Scan# 2145
Delta R.T. 0.041 min
Lab File: VD069909.D
Acq: 29 Jul 2021 14:05

Tgt Ion: 75 Resp: 2974
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#





#95
Naphthalene
Concen: 5.518 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD069909.D
Acq: 29 Jul 2021 14:05

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 1757
Ion Ratio Lower Upper
128 100
127 14.1 10.6 16.0
129 12.8 8.6 12.8

