

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072321\
 Data File : VD069828.D
 Acq On : 23 Jul 2021 14:53
 Operator : VA/SY
 Sample : M3117-09
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 24 01:34:30 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)

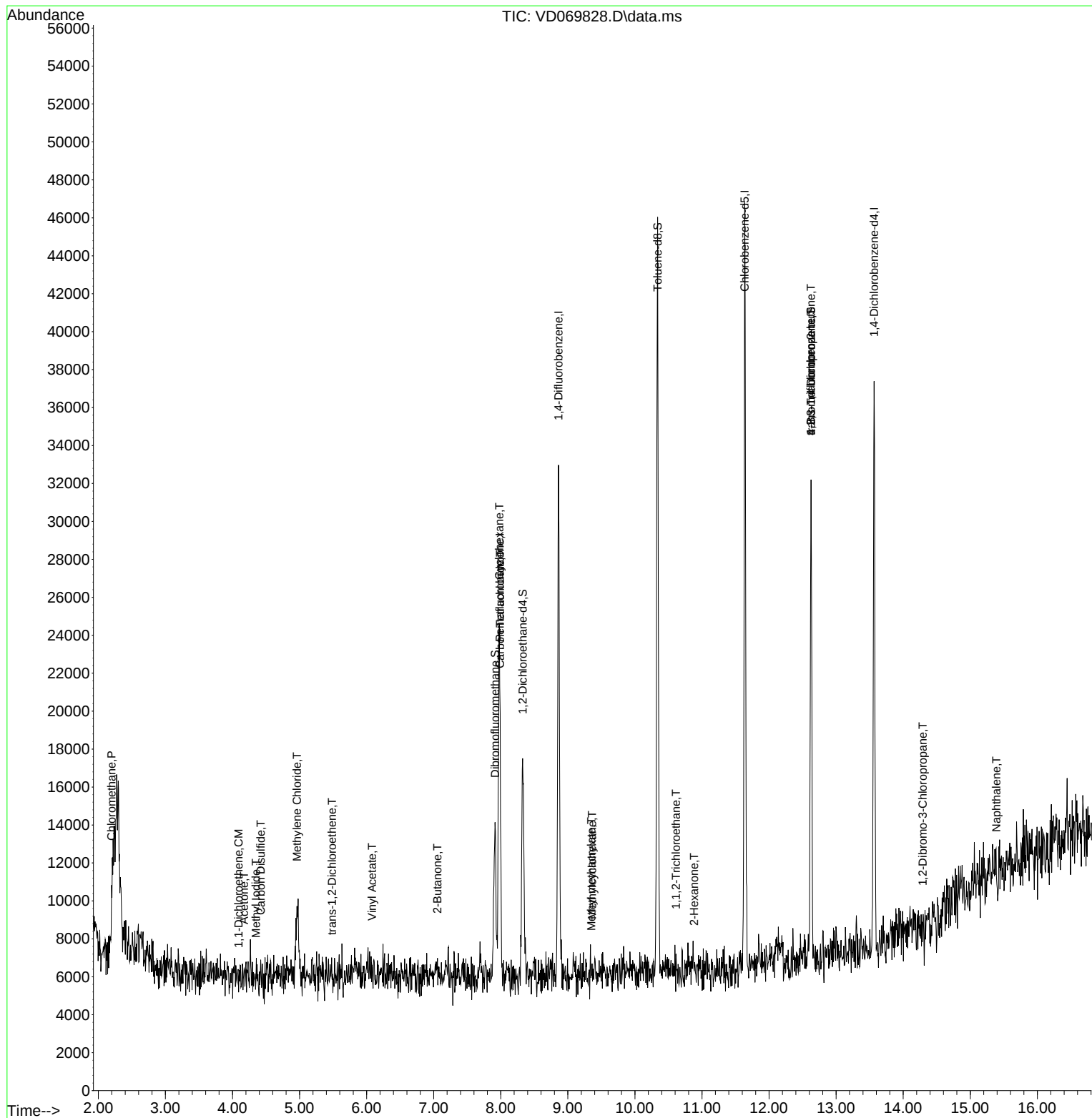
Internal Standards						
1) Pentafluorobenzene	7.985	168	13079	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	20096	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	22824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	8140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	9346	62.133	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.260%	
35) Dibromofluoromethane	7.914	113	6411	50.606	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.220%	
50) Toluene-d8	10.338	98	25629	52.466	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.940%	
62) 4-Bromofluorobenzene	12.626	95	8519	52.182	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 104.360%	
Target Compounds						Qvalue
3) Chloromethane	2.197	50	419	2.098	ug/l	# 75
10) Methyl Iodide	4.350	142	59	3.800	ug/l	# 40
12) 1,1-Dichloroethene	4.091	96	159	1.063	ug/l	# 1
16) Acetone	4.173	43	103	3.791	ug/l	# 38
17) Carbon Disulfide	4.420	76	579	1.082	ug/l	# 75
20) Methylene Chloride	4.961	84	3239	11.605	ug/l	# 65
21) trans-1,2-Dichloroethene	5.485	96	221	1.253	ug/l	# 1
23) Vinyl Acetate	6.079	43	73	20.605	ug/l	# 71
25) 2-Butanone	7.055	43	65	1.764	ug/l	# 46
31) Cyclohexane	7.979	56	387	1.317	ug/l	# 1
38) Carbon Tetrachloride	7.991	117	610	3.079	ug/l	# 12
39) Methylcyclohexane	9.361	83	251	1.011	ug/l	# 18
48) Methyl methacrylate	9.349	41	140	4.502	ug/l	# 13
55) 1,1,2-Trichloroethane	10.614	97	132	1.152	ug/l	# 15
59) 2-Hexanone	10.885	43	84	1.723	ug/l	# 21
76) 1,2,3-Trichloropropane	12.626	75	4125	47.676	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.626	75	4125	144.635	ug/l	# 16
92) 1,2-Dibromo-3-Chloropr...	14.290	75	54	3.211	ug/l	# 7
95) Naphthalene	15.390	128	421	6.423	ug/l	# 61

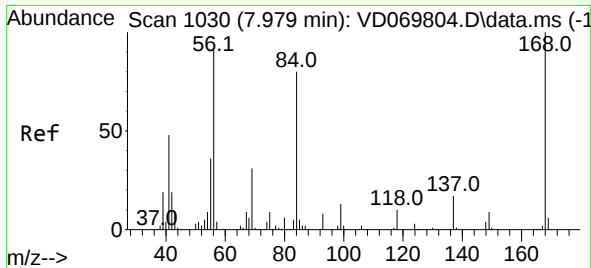
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 23 04:51:13 2021
Response via : Initial Calibration

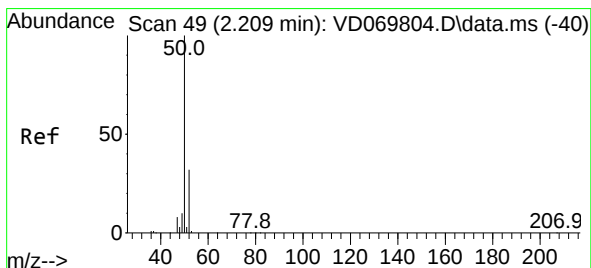
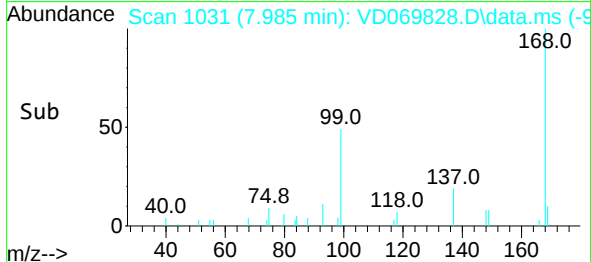
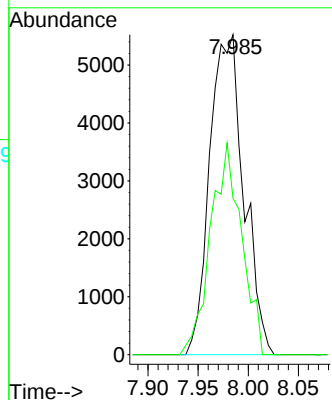
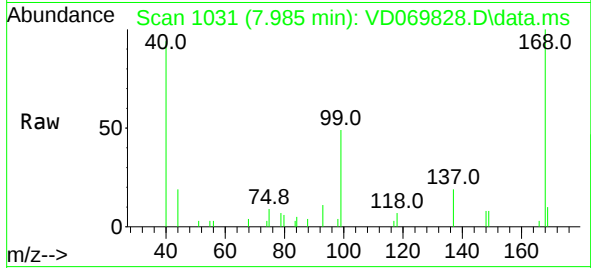




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD069828.D
Acq: 23 Jul 2021 14:53

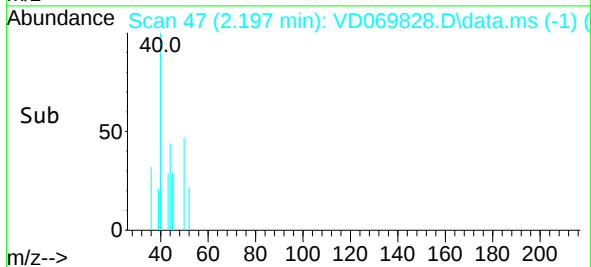
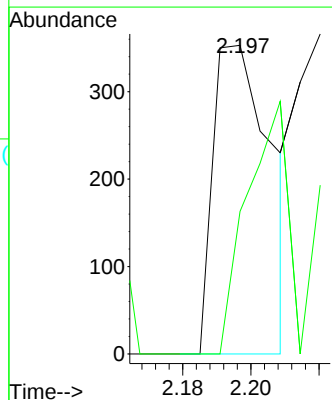
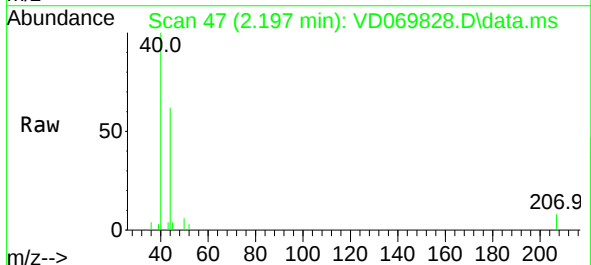
Instrument :
MSVOA_D
ClientSampled :

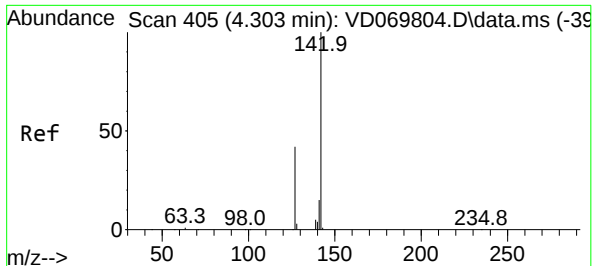
Tgt Ion:168 Resp: 13079
Ion Ratio Lower Upper
168 100
99 48.9 51.1 76.7#



#3
Chloromethane
Concen: 2.098 ug/l
RT: 2.197 min Scan# 47
Delta R.T. -0.012 min
Lab File: VD069828.D
Acq: 23 Jul 2021 14:53

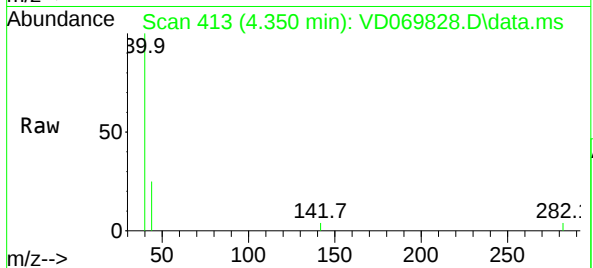
Tgt Ion: 50 Resp: 419
Ion Ratio Lower Upper
50 100
52 46.2 25.7 38.5#



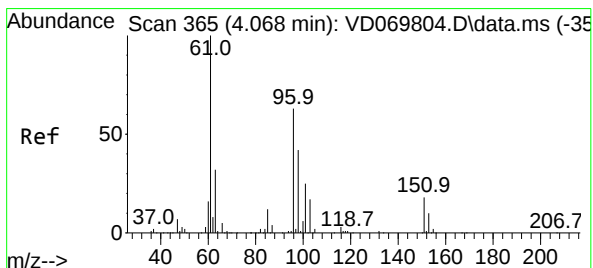
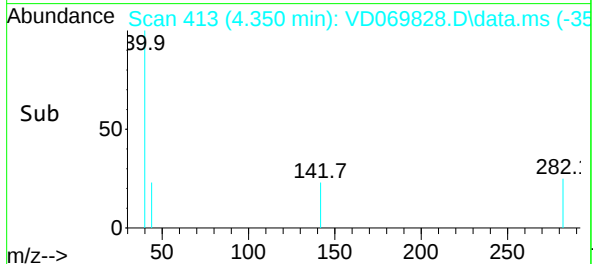
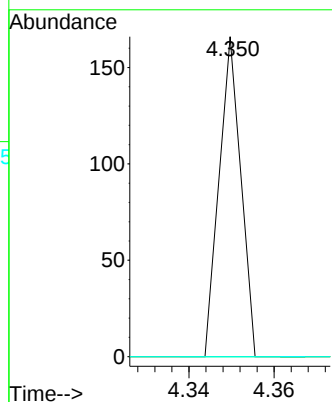


#10
Methyl Iodide
Concen: 3.800 ug/l
RT: 4.350 min Scan# 413
Delta R.T. 0.047 min
Lab File: VD069828.D
Acq: 23 Jul 2021 14:53

Instrument :
MSVOA_D
ClientSampled :

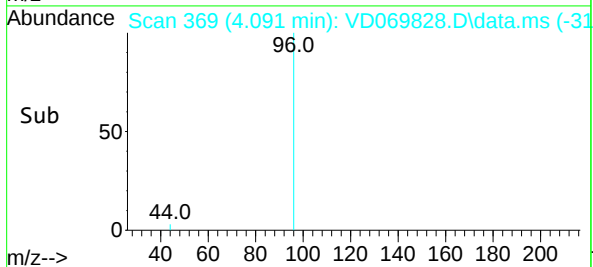
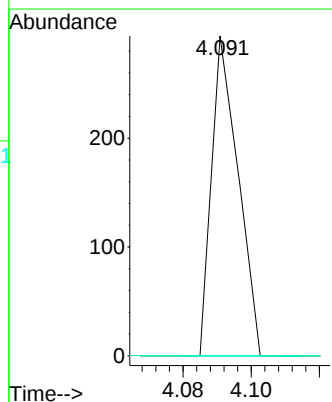
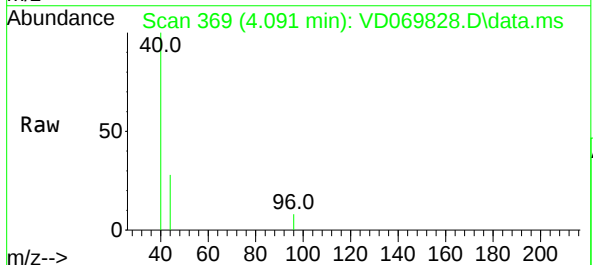


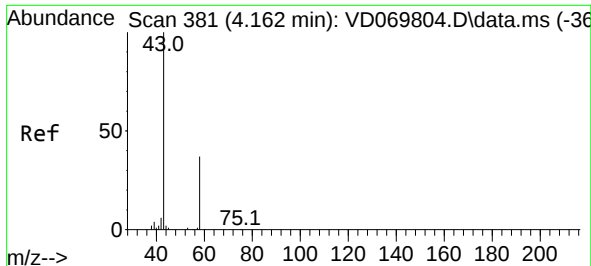
Tgt Ion:142 Resp: 59
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 12.0 18.0#



#12
1,1-Dichloroethene
Concen: 1.063 ug/l
RT: 4.091 min Scan# 369
Delta R.T. 0.023 min
Lab File: VD069828.D
Acq: 23 Jul 2021 14:53

Tgt Ion: 96 Resp: 159
Ion Ratio Lower Upper
96 100
61 0.0 126.9 190.3#
98 0.0 53.2 79.8#

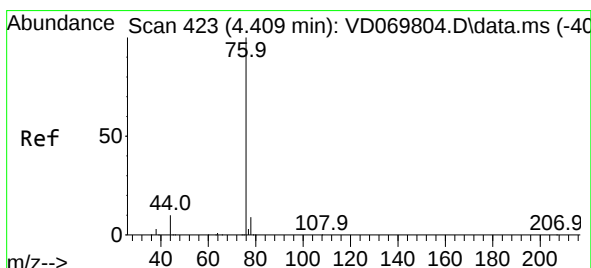
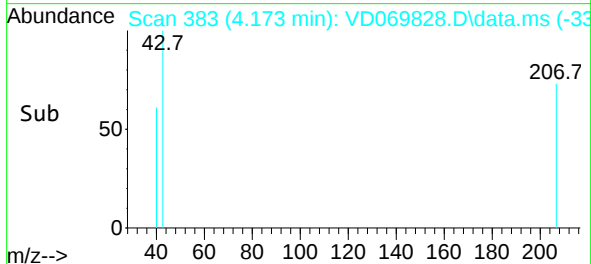
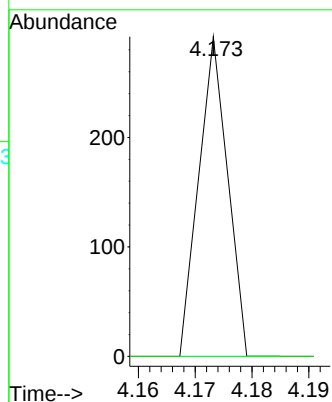
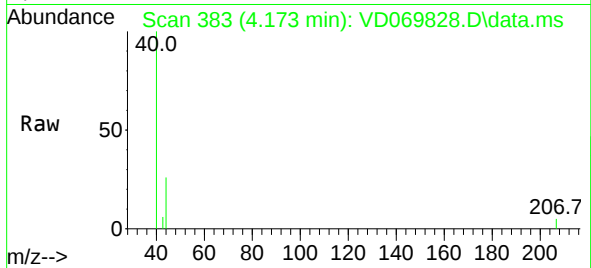




#16
Acetone
Concen: 3.791 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.011 min
Lab File: VD069828.D
Acq: 23 Jul 2021 14:53

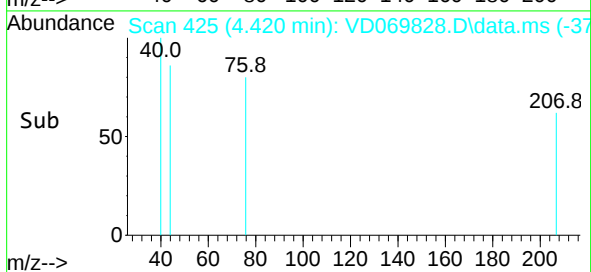
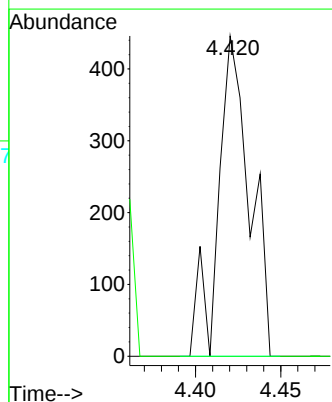
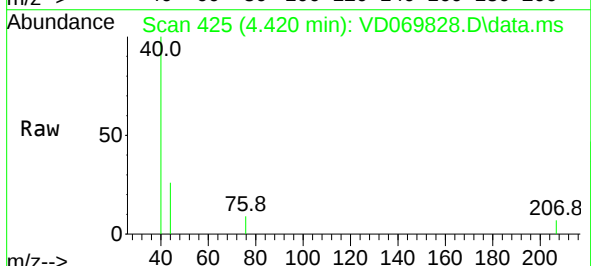
Instrument :
MSVOA_D
ClientSampled :

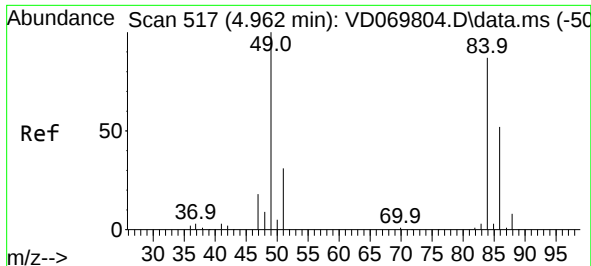
Tgt Ion: 43 Resp: 103
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#



#17
Carbon Disulfide
Concen: 1.082 ug/l
RT: 4.420 min Scan# 425
Delta R.T. 0.011 min
Lab File: VD069828.D
Acq: 23 Jul 2021 14:53

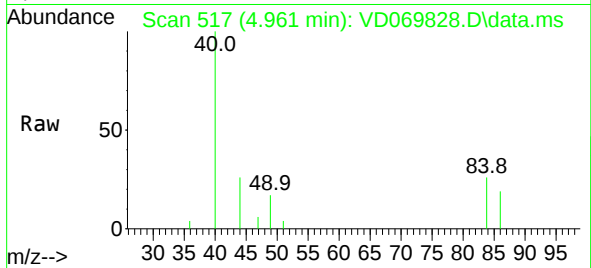
Tgt Ion: 76 Resp: 579
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



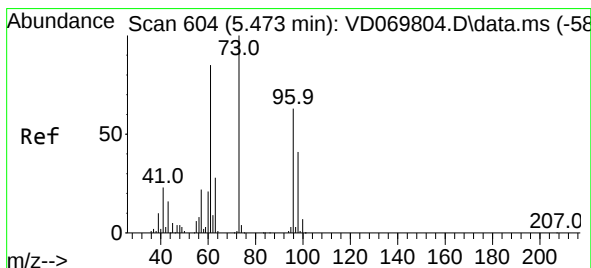
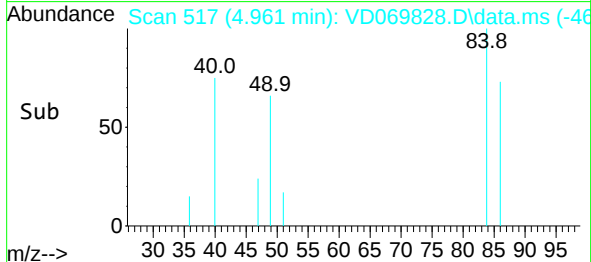
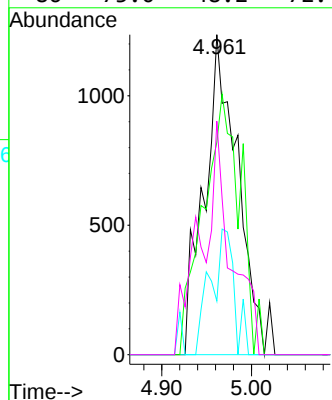


#20
Methylene Chloride
Concen: 11.605 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD069828.D
Acq: 23 Jul 2021 14:53

Instrument :
MSVOA_D
ClientSampleId :

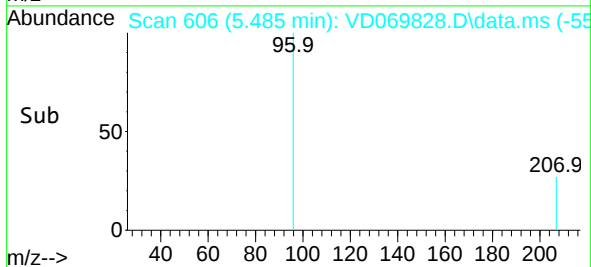
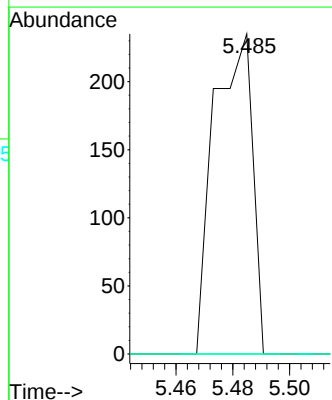
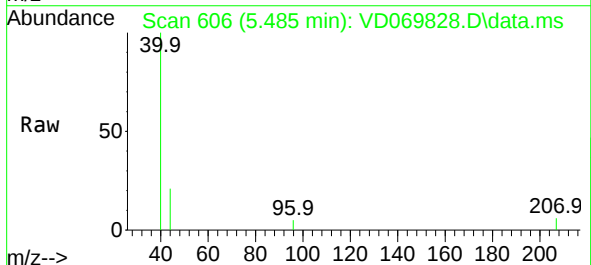


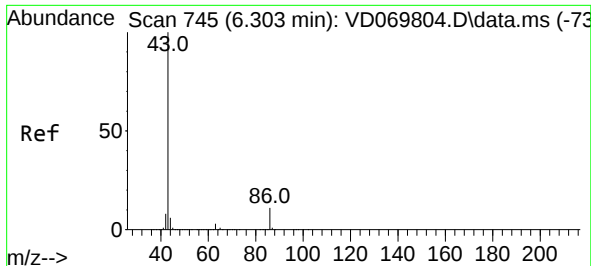
Tgt Ion:	84	Resp:	3239
Ion	Ratio	Lower	Upper
84	100		
49	66.4	92.4	138.6#
51	16.7	28.5	42.7#
86	73.0	48.2	72.4#



#21
trans-1,2-Dichloroethene
Concen: 1.253 ug/l
RT: 5.485 min Scan# 606
Delta R.T. 0.011 min
Lab File: VD069828.D
Acq: 23 Jul 2021 14:53

Tgt Ion:	96	Resp:	221
Ion	Ratio	Lower	Upper
96	100		
61	0.0	107.0	160.6#
98	0.0	52.3	78.5#

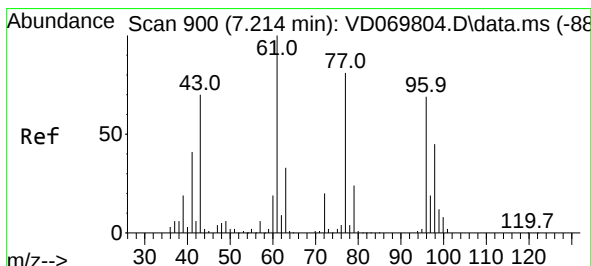
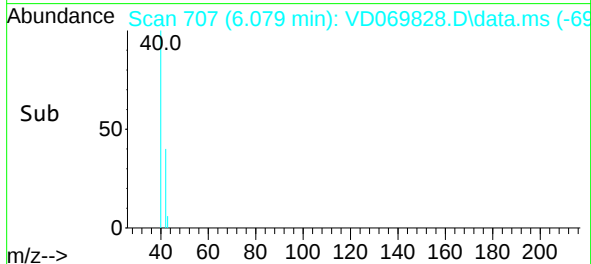
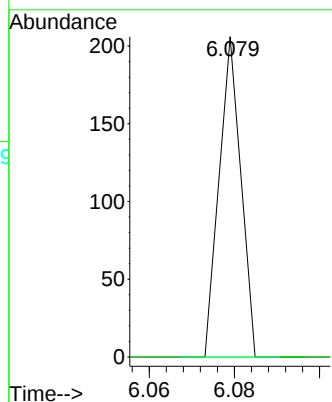
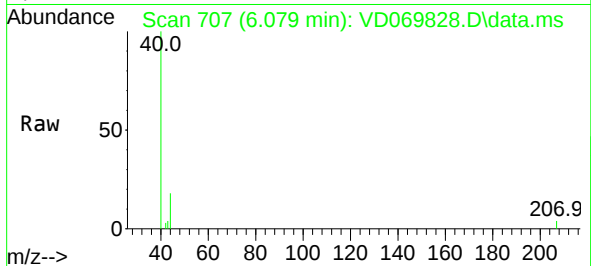




#23
 Vinyl Acetate
 Concen: 20.605 ug/l
 RT: 6.079 min Scan# 707
 Delta R.T. -0.224 min
 Lab File: VD069828.D
 Acq: 23 Jul 2021 14:53

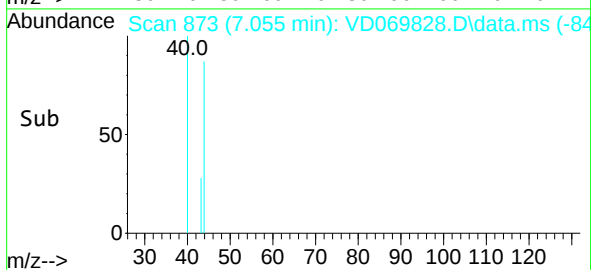
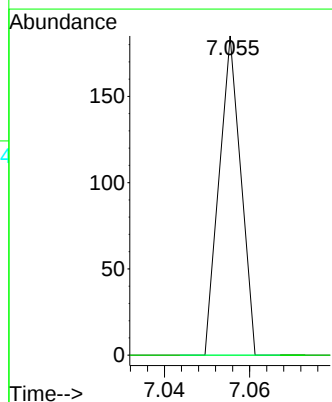
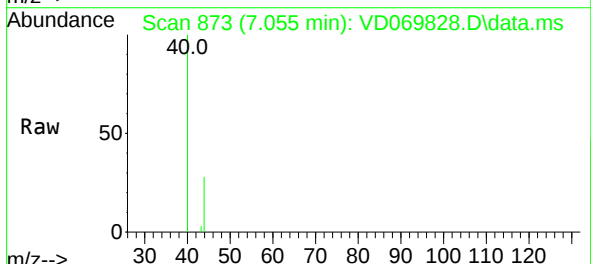
Instrument :
 MSVOA_D
 ClientSampled :

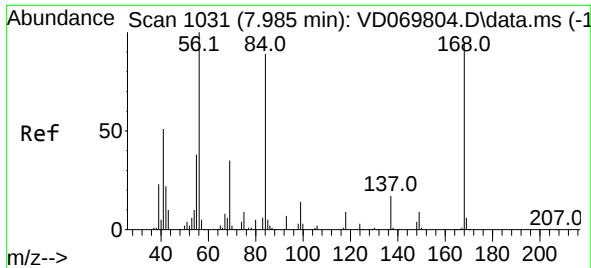
Tgt Ion: 43 Resp: 73
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 1.764 ug/l
 RT: 7.055 min Scan# 873
 Delta R.T. -0.159 min
 Lab File: VD069828.D
 Acq: 23 Jul 2021 14:53

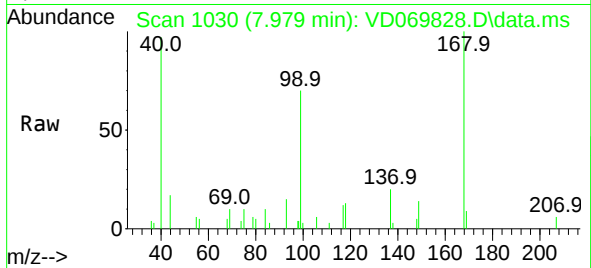
Tgt Ion: 43 Resp: 65
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.8 34.2#



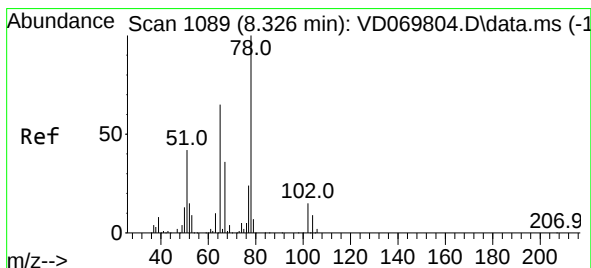
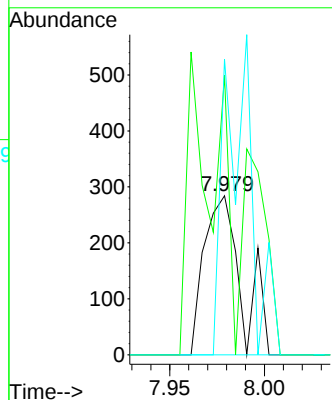
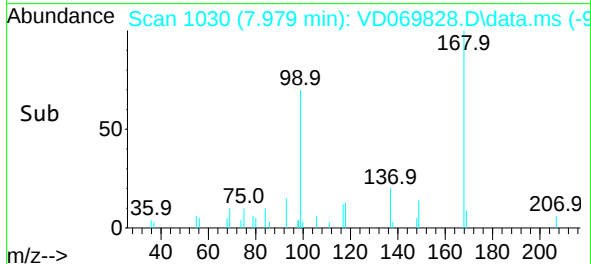


#31
Cyclohexane
Concen: 1.317 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069828.D
Acq: 23 Jul 2021 14:53

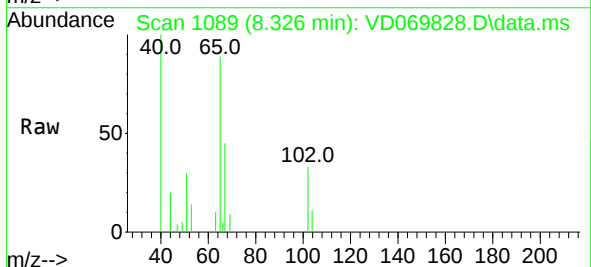
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MSVOA_D
ClientSampleId :



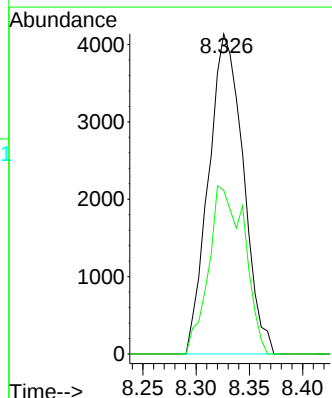
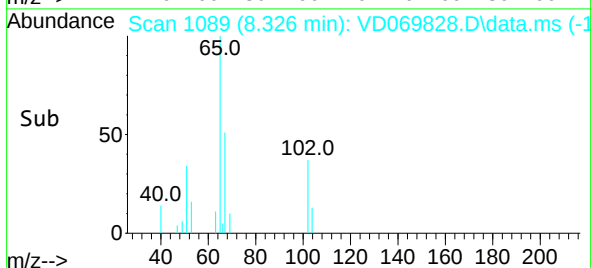
Tgt Ion: 56 Resp: 387
Ion Ratio Lower Upper
56 100
69 175.7 27.9 41.9#
84 185.9 71.4 107.2#

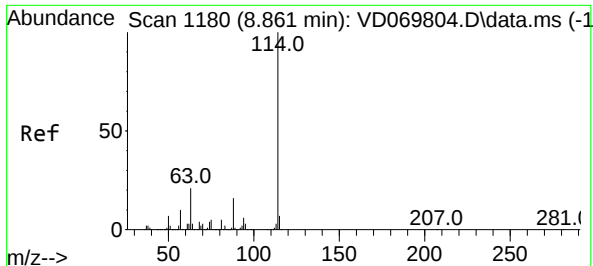


#33
1,2-Dichloroethane-d4
Concen: 62.133 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069828.D
Acq: 23 Jul 2021 14:53



Tgt Ion: 65 Resp: 9346
Ion Ratio Lower Upper
65 100
67 54.3 0.0 111.2



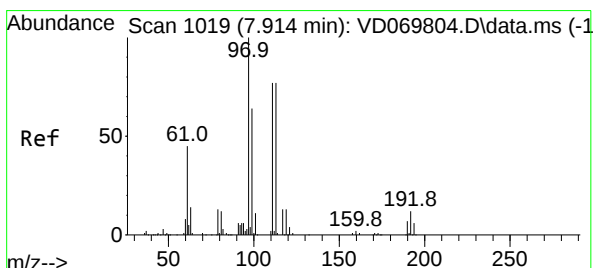
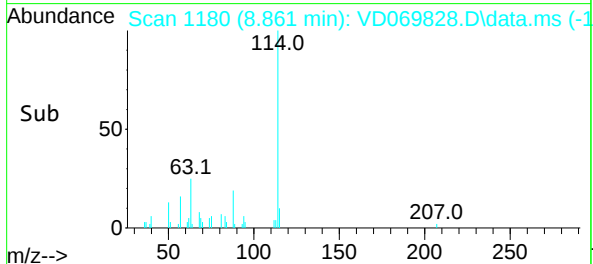
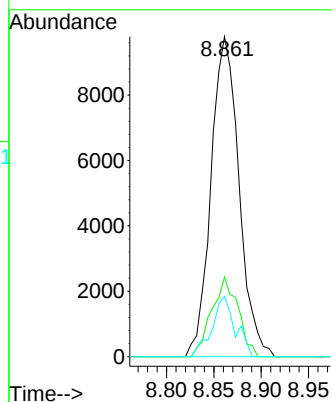
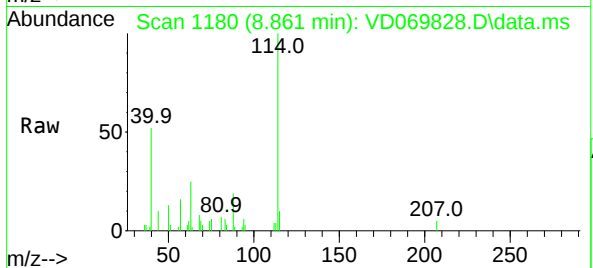


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069828.D
Acq: 23 Jul 2021 14:53

Instrument :
MSVOA_D
ClientSampleId :

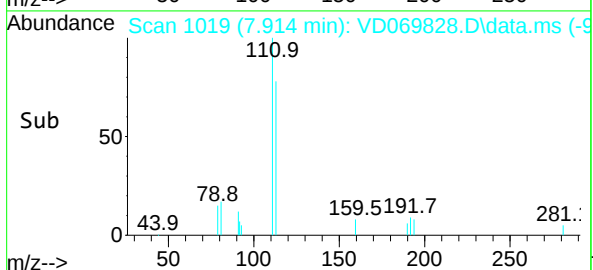
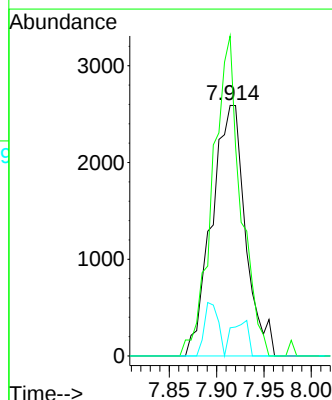
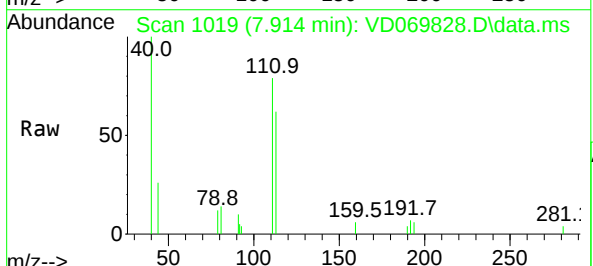
Tgt Ion:	114	Resp:	20096
Ion Ratio	Lower	Upper	
114	100		
63	24.9	0.0	41.6
88	18.9	0.0	31.4

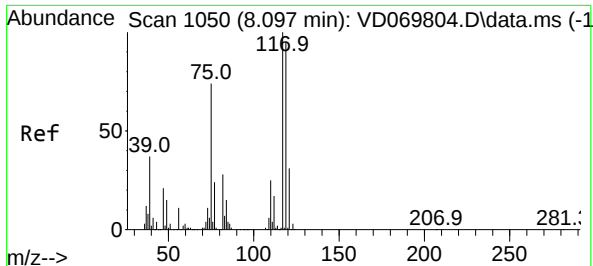


#35

Dibromofluoromethane
Concen: 50.606 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069828.D
Acq: 23 Jul 2021 14:53

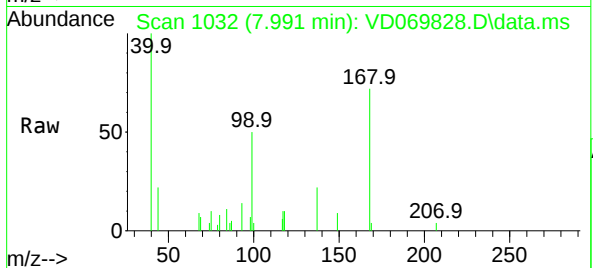
Tgt Ion:	113	Resp:	6411
Ion Ratio	Lower	Upper	
113	100		
111	106.9	80.5	120.7
192	7.1	12.6	19.0#



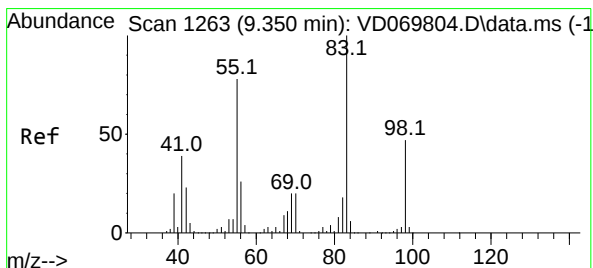
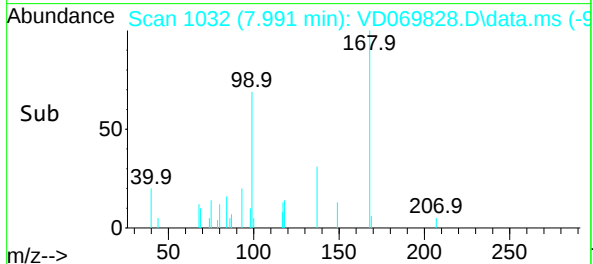
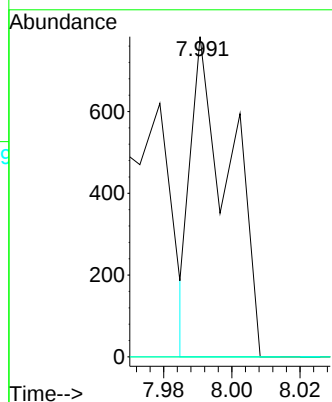


#38
Carbon Tetrachloride
Concen: 3.079 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. -0.106 min
Lab File: VD069828.D
Acq: 23 Jul 2021 14:53

Instrument :
MSVOA_D
ClientSampleId :

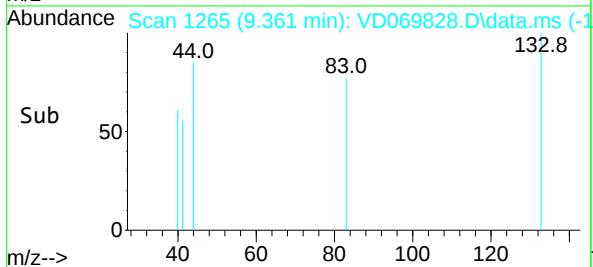
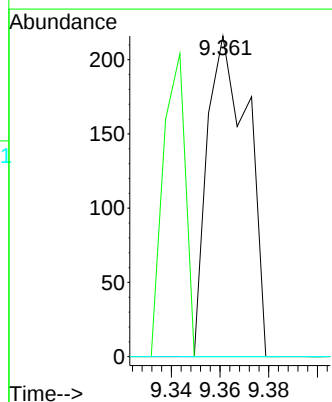
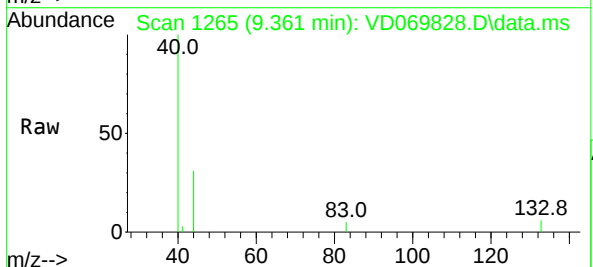


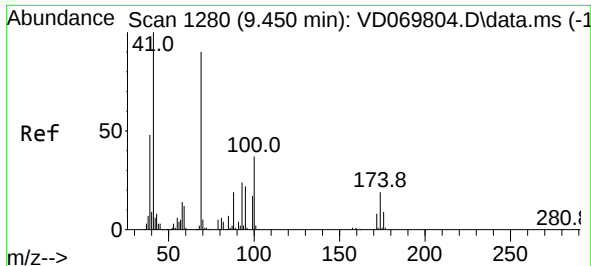
Tgt Ion:117 Resp: 610
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 1.011 ug/l
RT: 9.361 min Scan# 1265
Delta R.T. 0.011 min
Lab File: VD069828.D
Acq: 23 Jul 2021 14:53

Tgt Ion: 83 Resp: 251
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.2#
98 0.0 37.8 56.8#

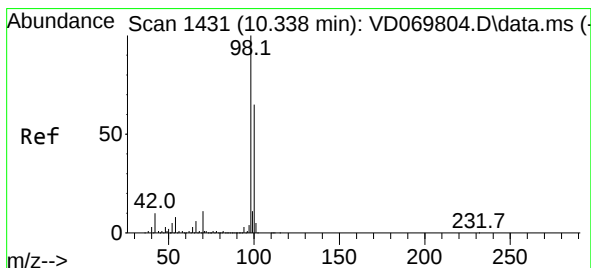
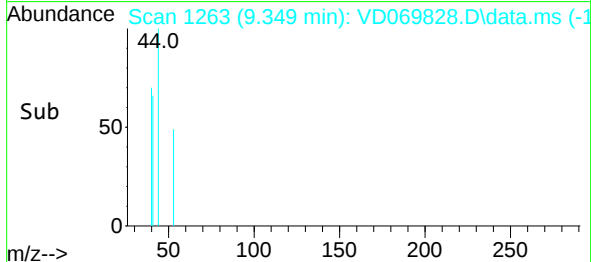
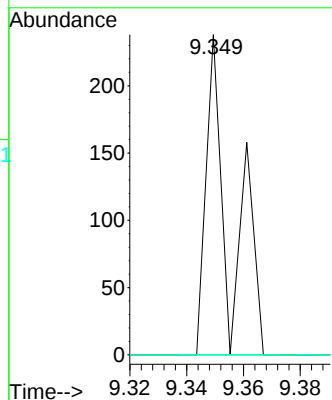
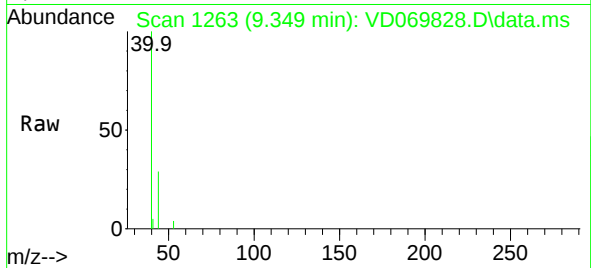




#48
Methyl methacrylate
Concen: 4.502 ug/l
RT: 9.349 min Scan# 1263
Delta R.T. -0.101 min
Lab File: VD069828.D
Acq: 23 Jul 2021 14:53

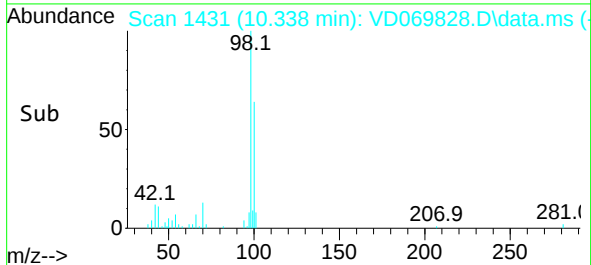
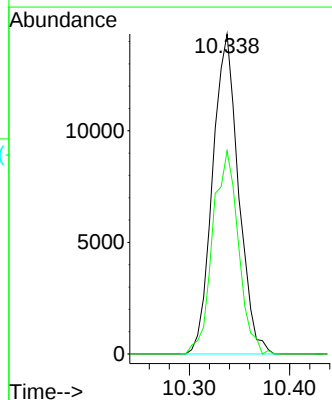
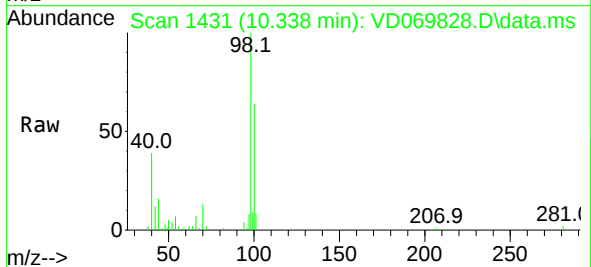
Instrument :
MSVOA_D
ClientSampleId :

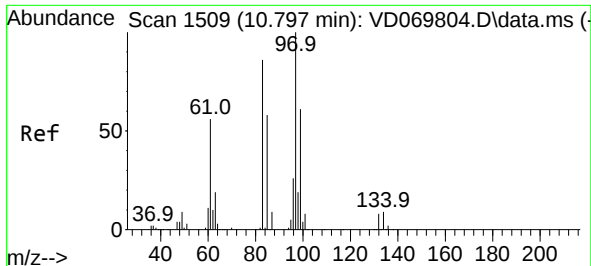
Tgt Ion: 41 Resp: 140
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#



#50
Toluene-d8
Concen: 52.466 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069828.D
Acq: 23 Jul 2021 14:53

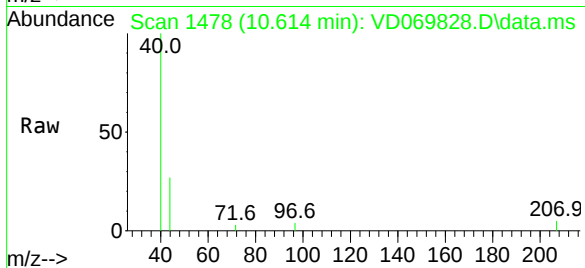
Tgt Ion: 98 Resp: 25629
Ion Ratio Lower Upper
98 100
100 63.1 51.9 77.9



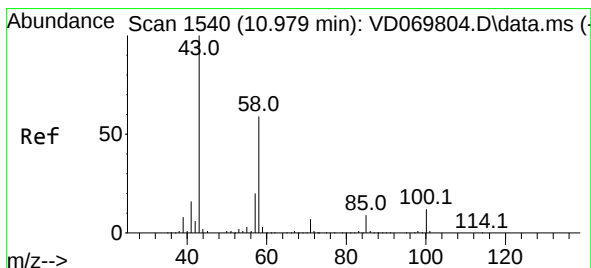
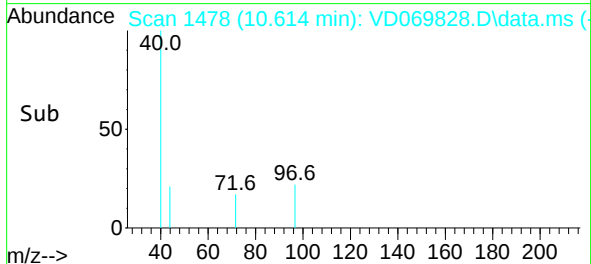
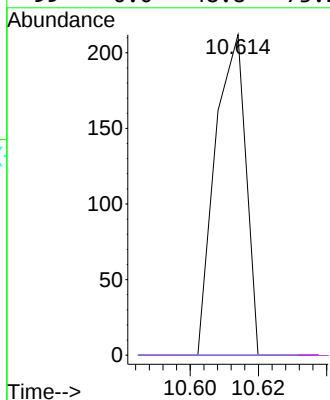


#55
1,1,2-Trichloroethane
Concen: 1.152 ug/l
RT: 10.614 min Scan# 1478
Delta R.T. -0.183 min
Lab File: VD069828.D
Acq: 23 Jul 2021 14:53

Instrument :
MSVOA_D
ClientSampleId :

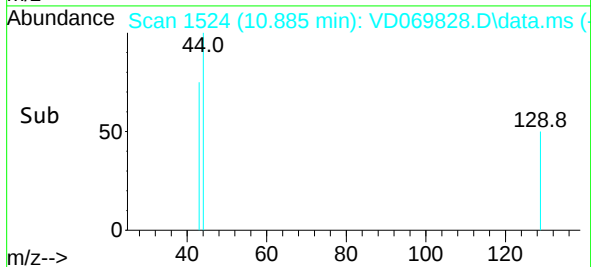
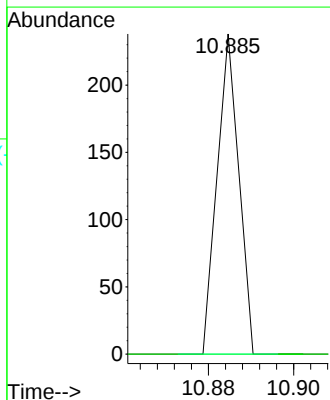
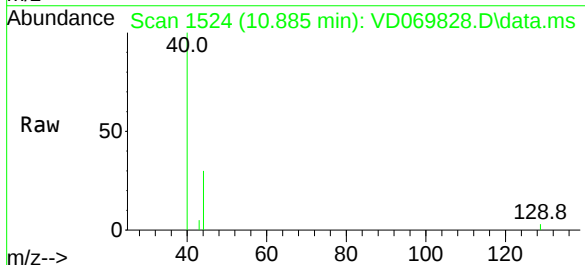


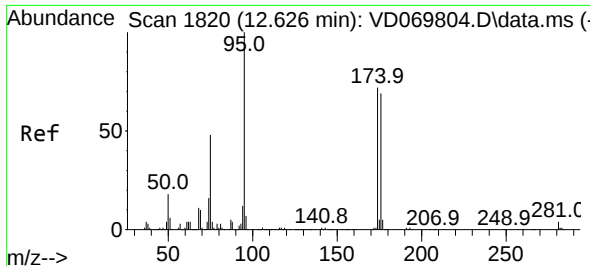
Tgt Ion: 97 Resp: 132
Ion Ratio Lower Upper
97 100
83 0.0 69.1 103.7#
85 0.0 46.2 69.2#
99 0.0 48.8 73.2#



#59
2-Hexanone
Concen: 1.723 ug/l
RT: 10.885 min Scan# 1524
Delta R.T. -0.094 min
Lab File: VD069828.D
Acq: 23 Jul 2021 14:53

Tgt Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
58 0.0 29.4 88.3#

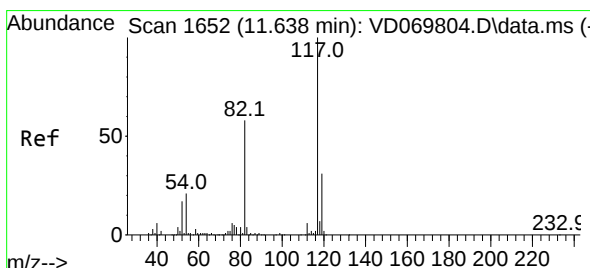
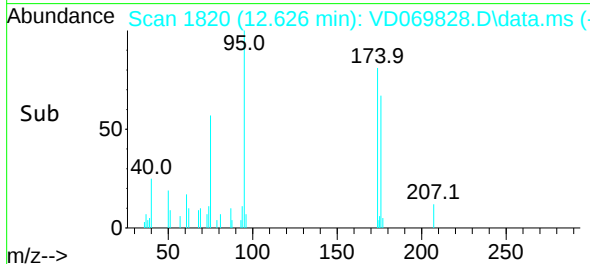
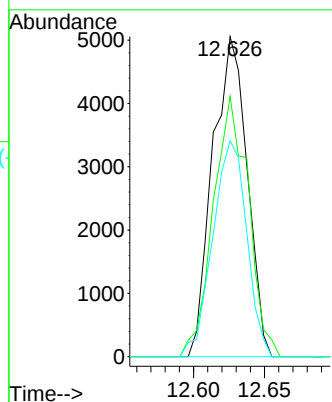
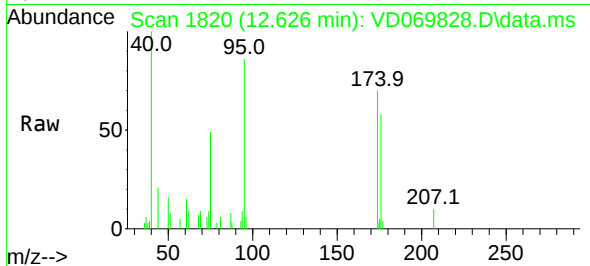




#62
4-Bromofluorobenzene
Concen: 52.182 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069828.D
Acq: 23 Jul 2021 14:53

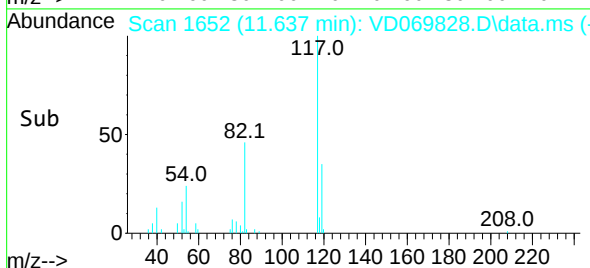
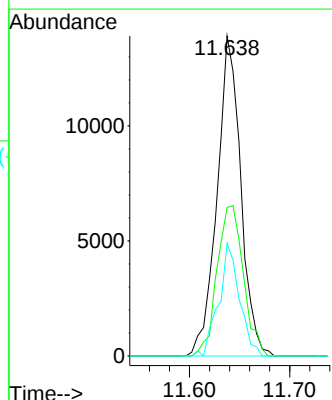
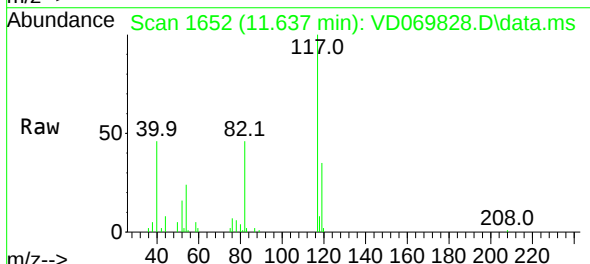
Instrument :
MSVOA_D
ClientSampleId :

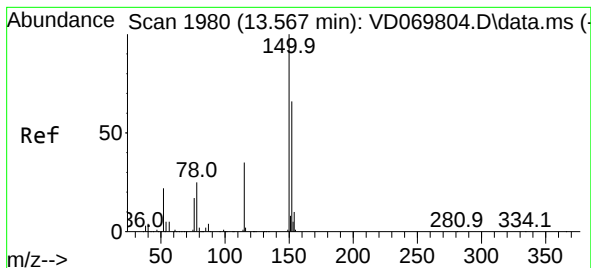
Tgt Ion:	95	Resp:	8519
Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	142.6
176	66.4	0.0	134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069828.D
Acq: 23 Jul 2021 14:53

Tgt Ion:	117	Resp:	22824
Ion	Ratio	Lower	Upper
117	100		
82	46.4	46.3	69.5
119	35.2	24.7	37.1

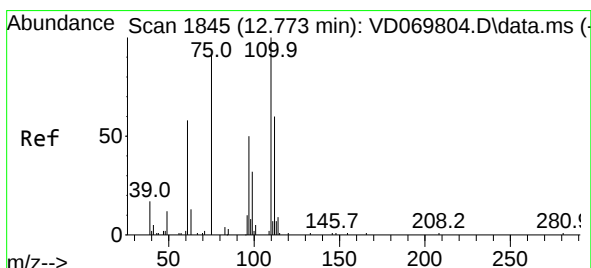
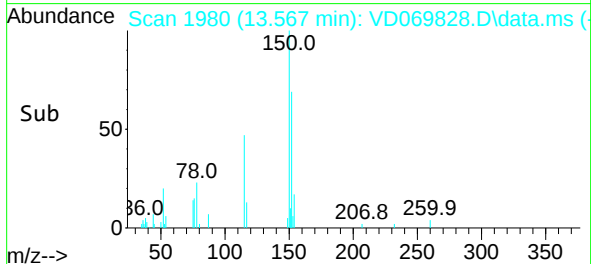
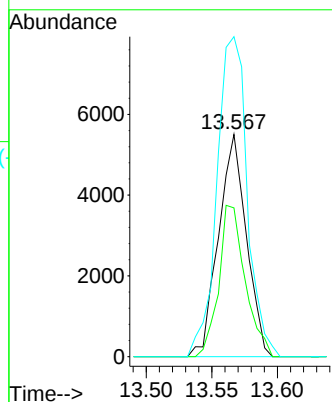
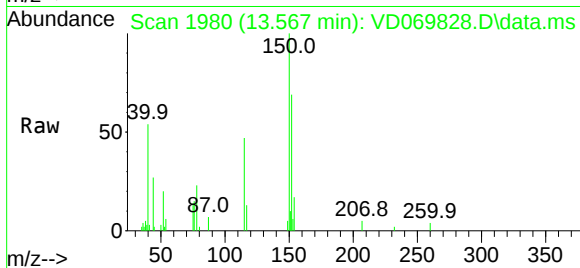




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069828.D
 Acq: 23 Jul 2021 14:53

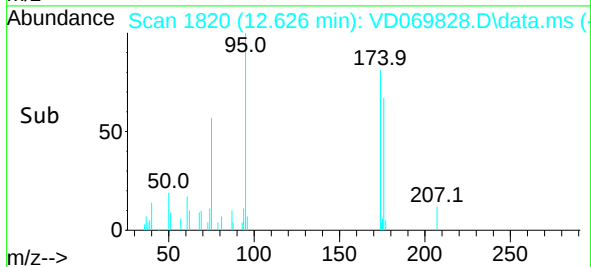
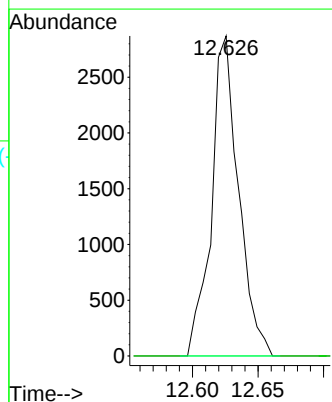
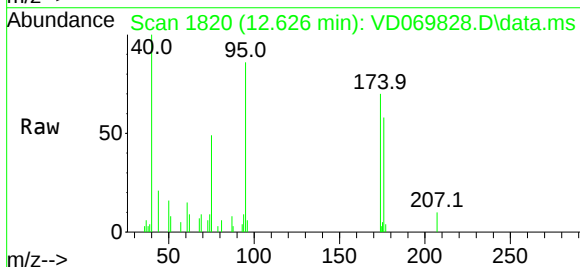
Instrument :
 MSVOA_D
 ClientSampleId :

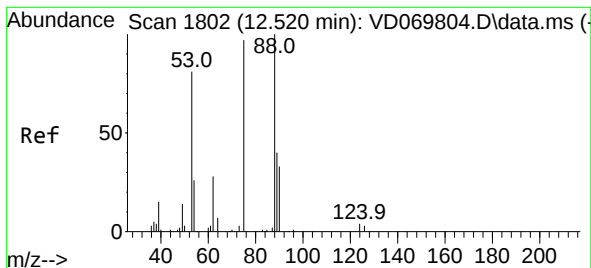
Tgt Ion:152 Resp: 8140
 Ion Ratio Lower Upper
 152 100
 115 64.3 31.1 93.3
 150 156.2 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 47.676 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069828.D
 Acq: 23 Jul 2021 14:53

Tgt Ion: 75 Resp: 4125
 Ion Ratio Lower Upper
 75 100
 77 0.0 181.5 544.5#

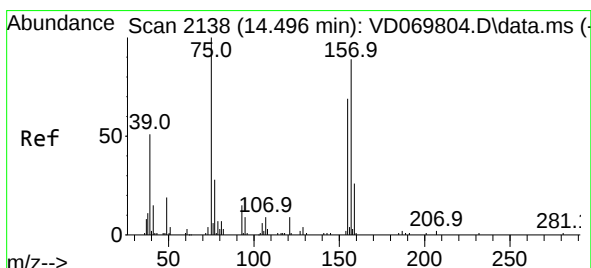
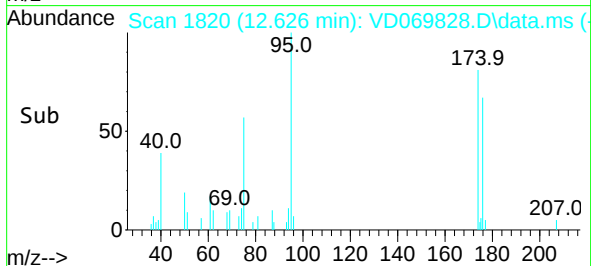
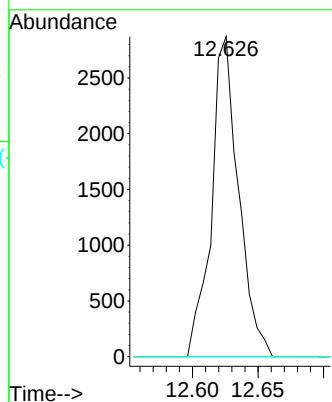
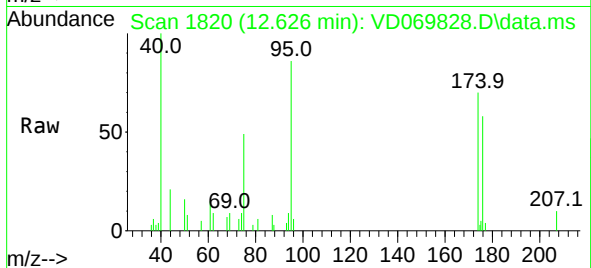




#81
trans-1,4-Dichloro-2-butene
Concen: 144.635 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069828.D
Acq: 23 Jul 2021 14:53

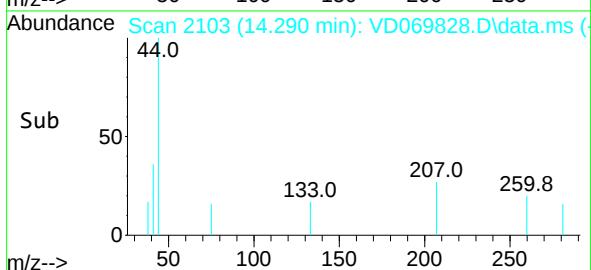
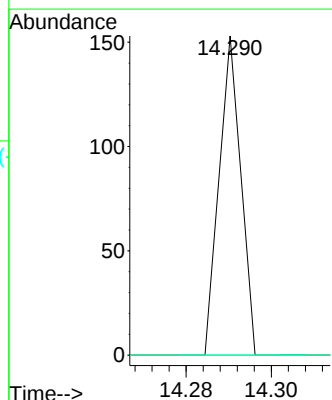
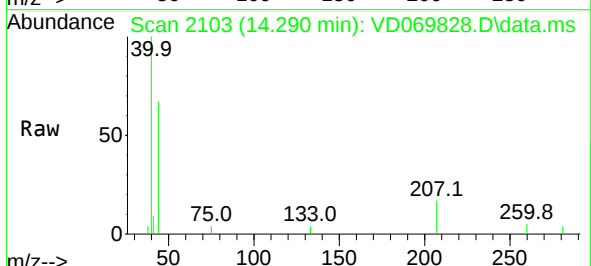
Instrument :
MSVOA_D
ClientSampleId :

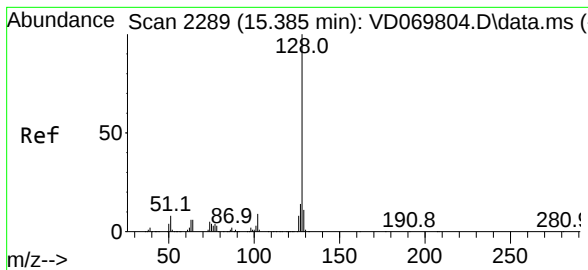
Tgt Ion: 75 Resp: 4125
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.0 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.211 ug/l
RT: 14.290 min Scan# 2103
Delta R.T. -0.206 min
Lab File: VD069828.D
Acq: 23 Jul 2021 14:53

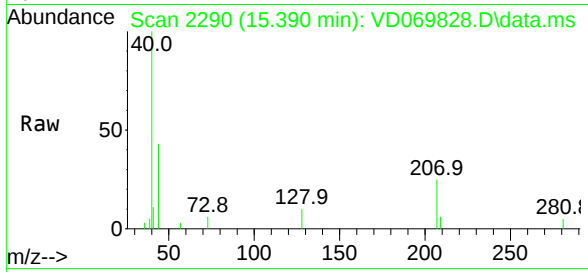
Tgt Ion: 75 Resp: 54
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#





#95
Naphthalene
Concen: 6.423 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD069828.D
Acq: 23 Jul 2021 14:53

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 421
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 27.8 8.6 12.8#

