

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080321\
 Data File : VD069960.D
 Acq On : 03 Aug 2021 12:22
 Operator : VA/SY
 Sample : M3268-01
 Misc : 11.45G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 01:31:32 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)

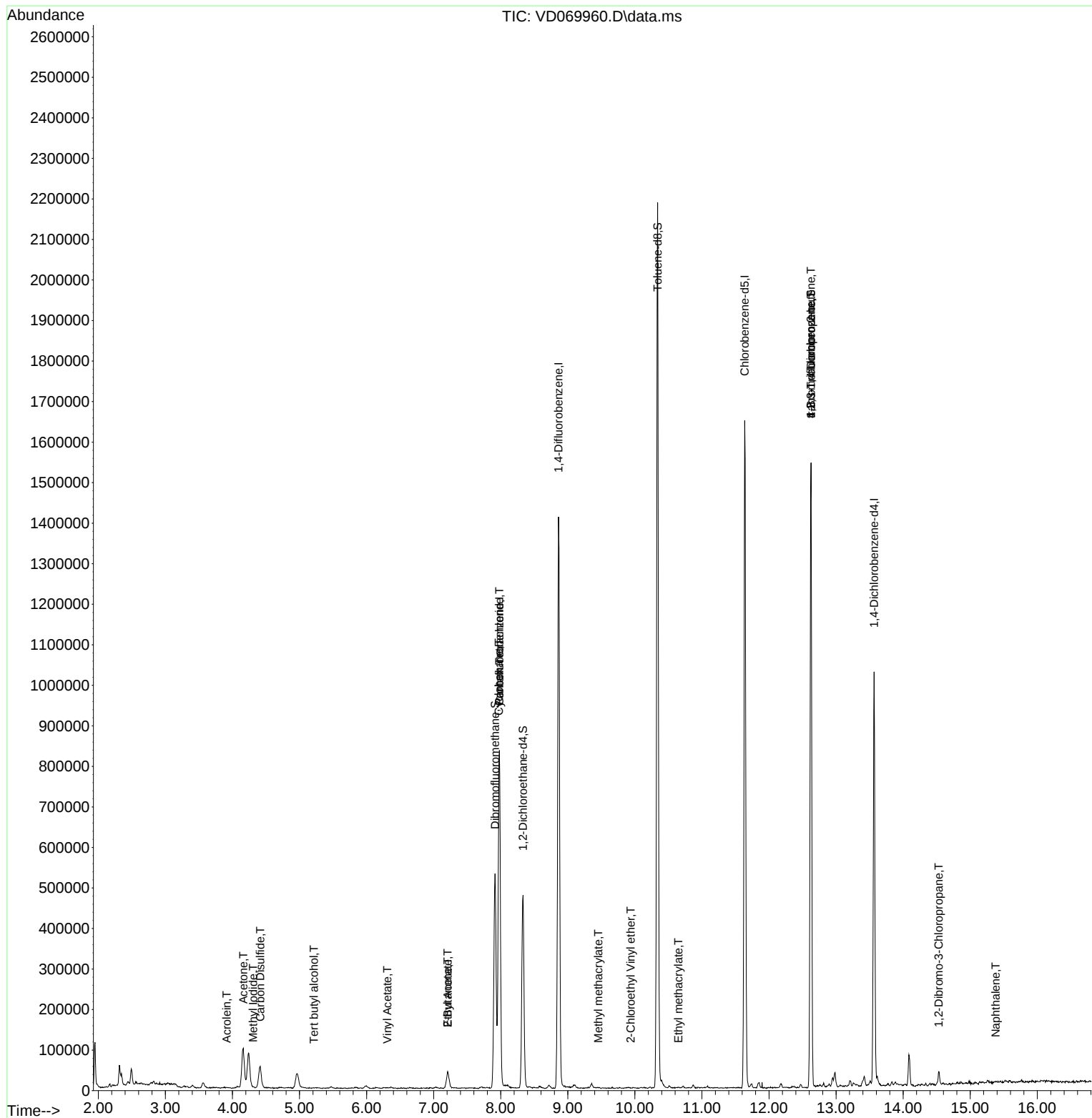
Internal Standards						
1) Pentafluorobenzene	7.979	168	600277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1198400	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	969928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	266404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	379057	54.906	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.820%			
35) Dibromofluoromethane	7.914	113	398528	52.752	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.500%			
50) Toluene-d8	10.338	98	1480092	50.809	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.620%			
62) 4-Bromofluorobenzene	12.626	95	370040	38.009	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 76.020%			
Target Compounds						Qvalue
5) Bromomethane	2.774	94	2701	Below Cal	#	72
10) Methyl Iodide	4.309	142	1968	3.708	ug/l #	77
11) Tert butyl alcohol	5.215	59	1356	3.796	ug/l #	73
13) Acrolein	3.915	56	1517	3.034	ug/l #	29
16) Acetone	4.162	43	172647	138.435	ug/l	95
17) Carbon Disulfide	4.415	76	113472	4.621	ug/l	97
20) Methylene Chloride	4.962	84	29982	Below Cal		95
23) Vinyl Acetate	6.309	43	757	20.407	ug/l #	71
25) 2-Butanone	7.209	43	51697	30.567	ug/l	98
31) Cyclohexane	7.973	56	16331	1.211	ug/l #	1
37) Ethyl Acetate	7.209	43	51697	10.980	ug/l #	74
38) Carbon Tetrachloride	7.979	117	63253	5.354	ug/l #	17
48) Methyl methacrylate	9.456	41	86	2.765	ug/l #	13
56) Ethyl methacrylate	10.650	69	388	3.938	ug/l #	49
58) 2-Chloroethyl Vinyl ether	9.938	63	250	20.932	ug/l #	48
76) 1,2,3-Trichloropropane	12.626	75	179365	63.342	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	179365	192.164	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.532	75	9528	17.310	ug/l #	7
95) Naphthalene	15.379	128	2444	5.251	ug/l #	85

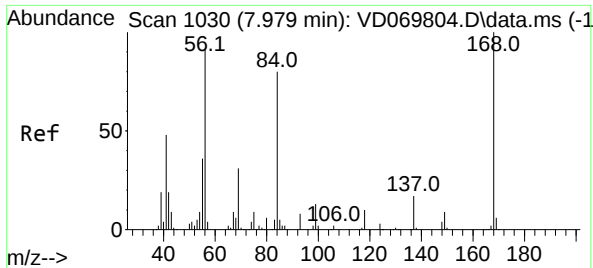
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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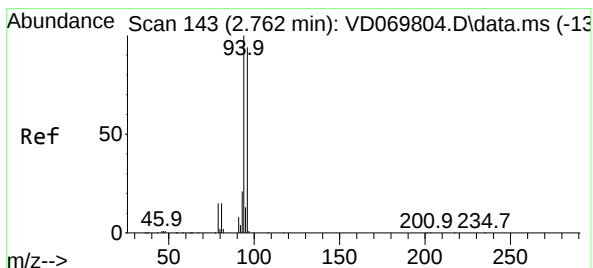
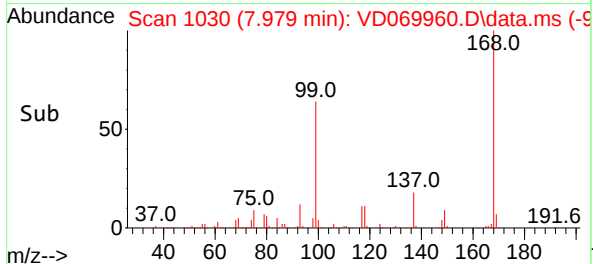
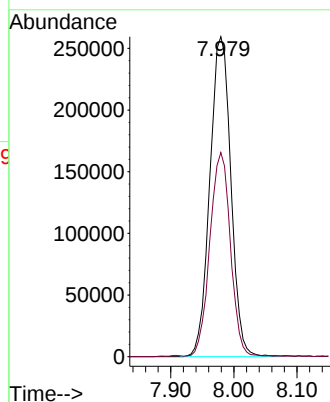
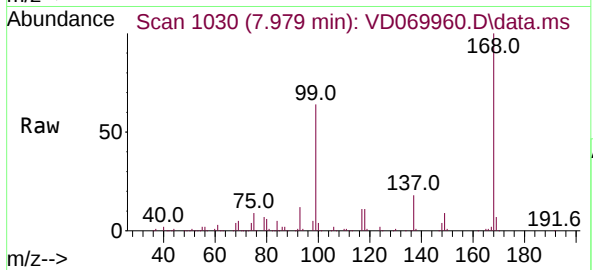




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069960.D
Acq: 03 Aug 2021 12:22

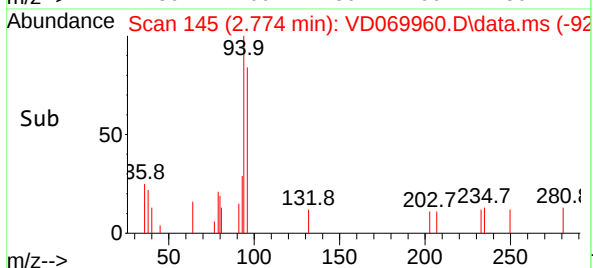
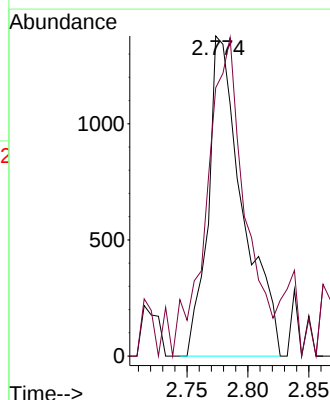
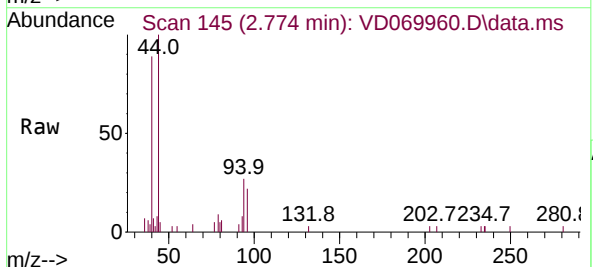
Instrument :
MSVOA_D
ClientSampleId :

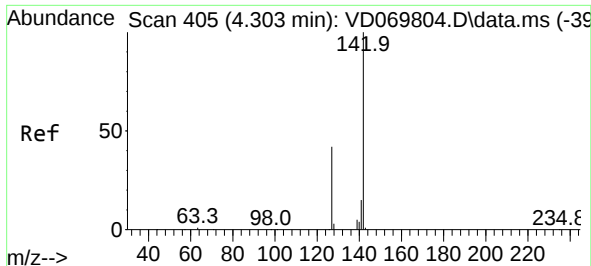
Tgt Ion:168 Resp: 600277
Ion Ratio Lower Upper
168 100
99 63.6 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.012 min
Lab File: VD069960.D
Acq: 03 Aug 2021 12:22

Tgt Ion: 94 Resp: 2701
Ion Ratio Lower Upper
94 100
96 66.4 74.8 112.2#

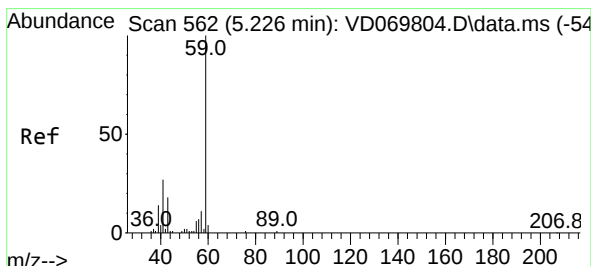
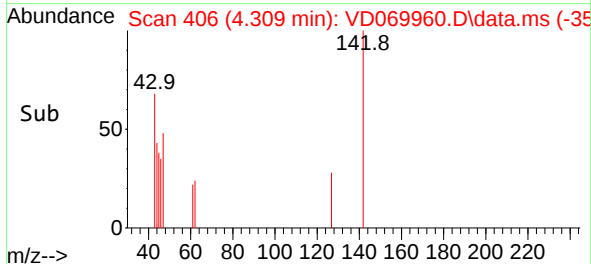
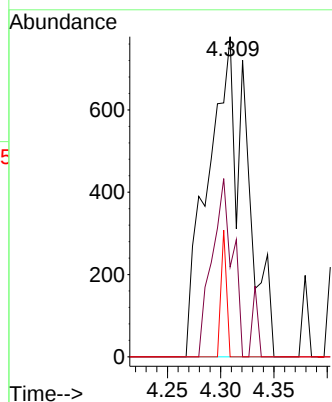
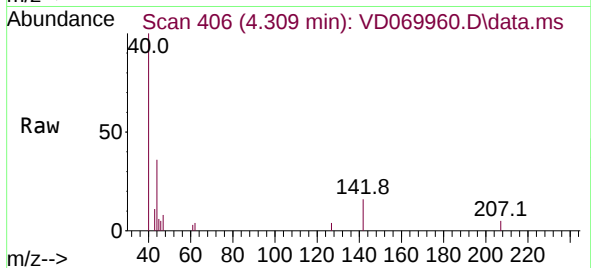




#10
Methyl Iodide
Concen: 3.708 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD069960.D
Acq: 03 Aug 2021 12:22

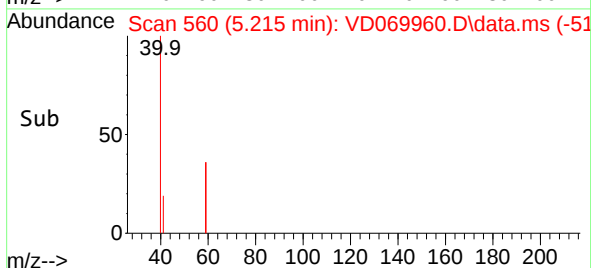
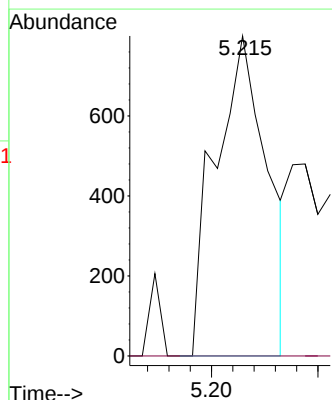
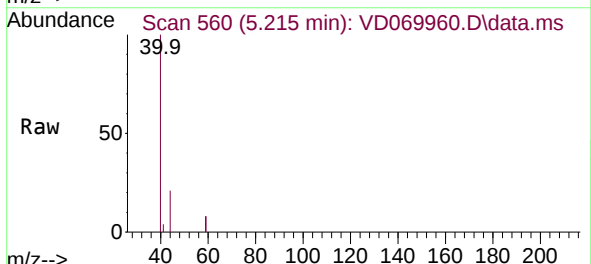
Instrument :
MSVOA_D
ClientSampled :

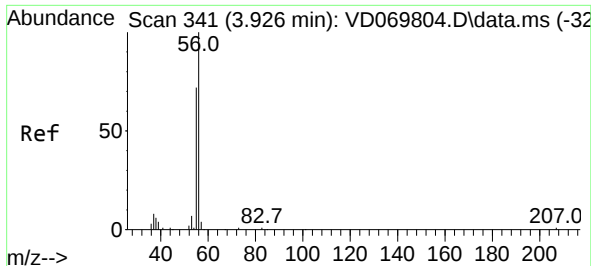
Tgt Ion:142 Resp: 1968
Ion Ratio Lower Upper
142 100
127 29.5 35.7 53.5#
141 5.5 12.0 18.0#



#11
Tert butyl alcohol
Concen: 3.796 ug/l
RT: 5.215 min Scan# 560
Delta R.T. -0.012 min
Lab File: VD069960.D
Acq: 03 Aug 2021 12:22

Tgt Ion: 59 Resp: 1356
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

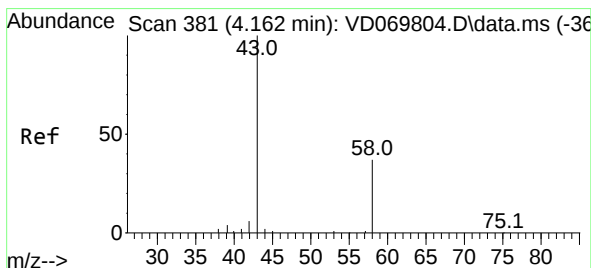
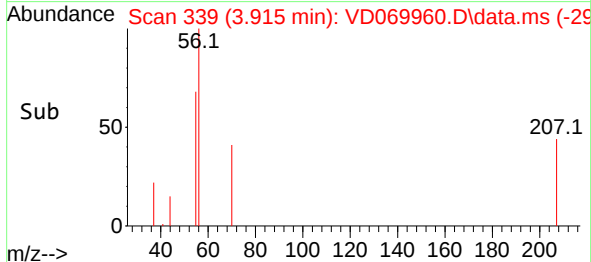
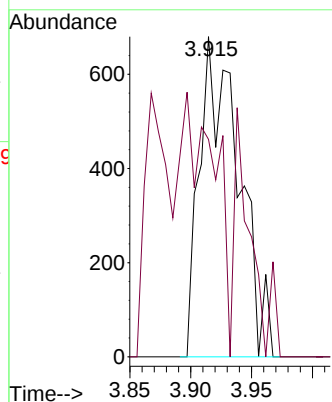
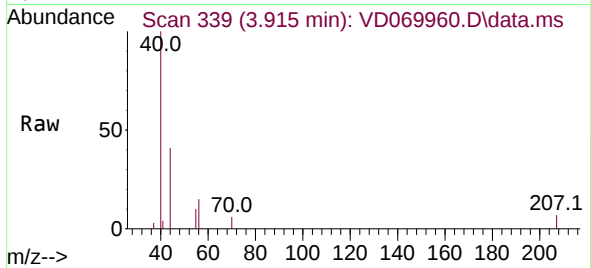




#13
Acrolein
Concen: 3.034 ug/l
RT: 3.915 min Scan# 339
Delta R.T. -0.012 min
Lab File: VD069960.D
Acq: 03 Aug 2021 12:22

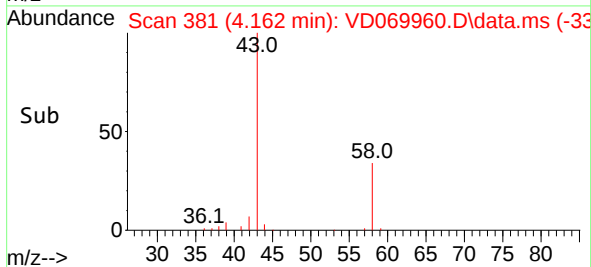
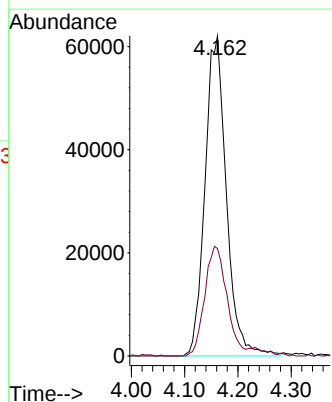
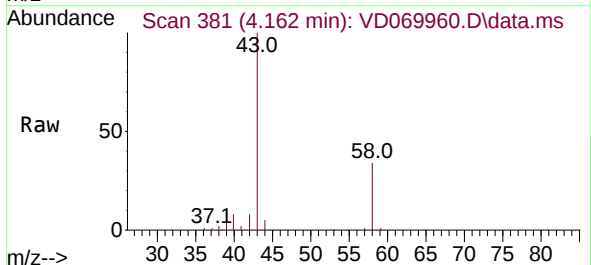
Instrument :
MSVOA_D
ClientSampled :

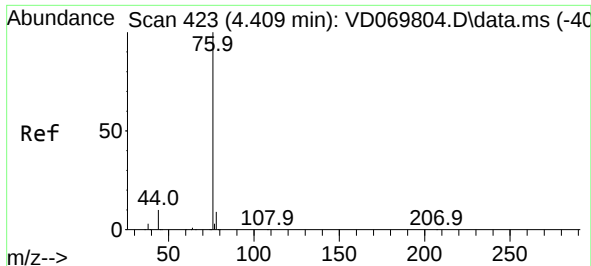
Tgt Ion: 56 Resp: 1517
Ion Ratio Lower Upper
56 100
55 12.7 57.2 85.8#



#16
Acetone
Concen: 138.435 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD069960.D
Acq: 03 Aug 2021 12:22

Tgt Ion: 43 Resp: 172647
Ion Ratio Lower Upper
43 100
58 33.6 29.4 44.0

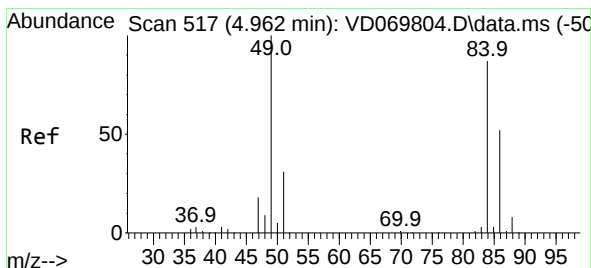
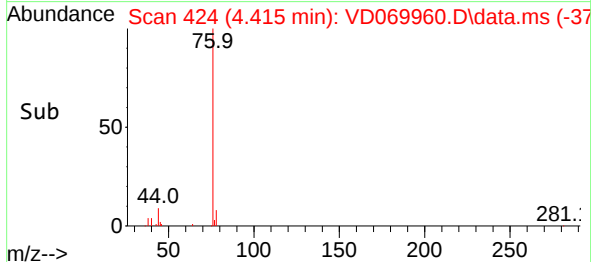
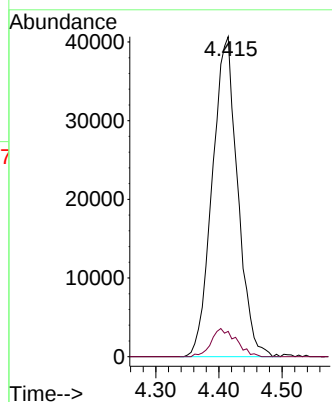
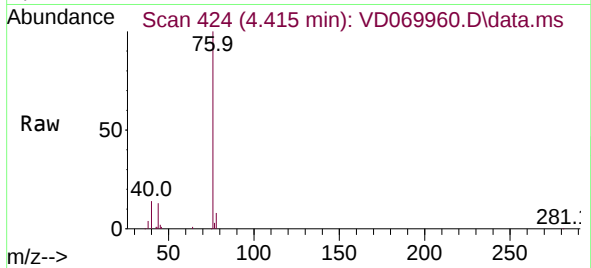




#17
Carbon Disulfide
Concen: 4.621 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD069960.D
Acq: 03 Aug 2021 12:22

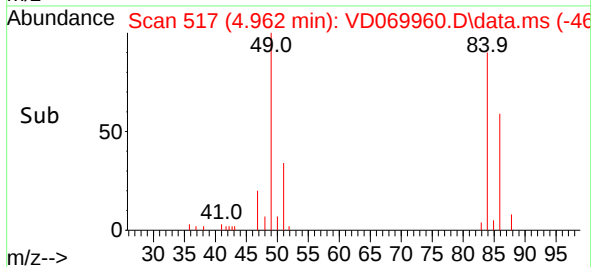
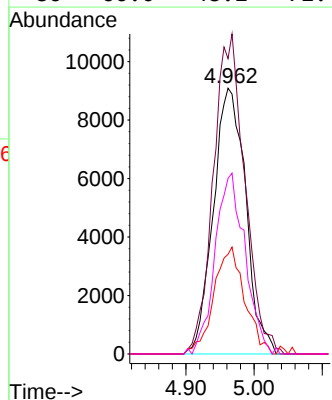
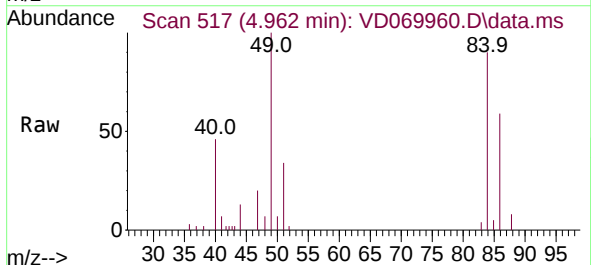
Instrument :
MSVOA_D
ClientSampled :

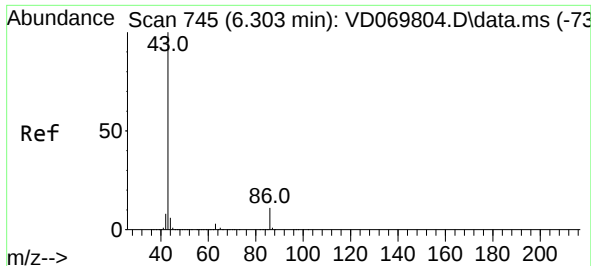
Tgt Ion: 76 Resp: 113472
Ion Ratio Lower Upper
76 100
78 7.9 7.3 10.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069960.D
Acq: 03 Aug 2021 12:22

Tgt Ion: 84 Resp: 29982
Ion Ratio Lower Upper
84 100
49 111.1 92.4 138.6
51 37.5 28.5 42.7
86 66.0 48.2 72.4

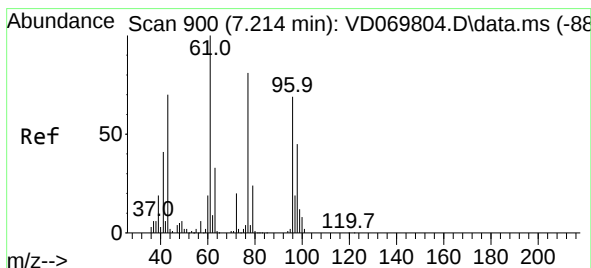
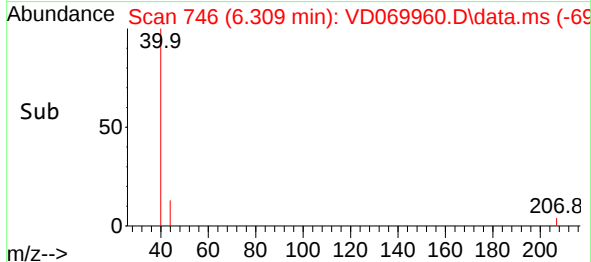
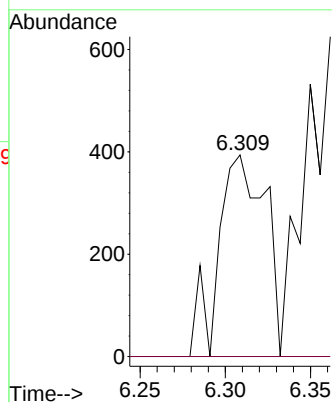
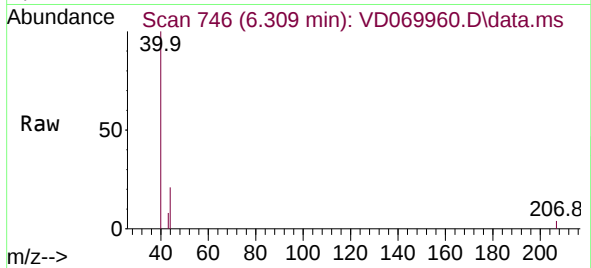




#23
 Vinyl Acetate
 Concen: 20.407 ug/l
 RT: 6.309 min Scan# 746
 Delta R.T. 0.006 min
 Lab File: VD069960.D
 Acq: 03 Aug 2021 12:22

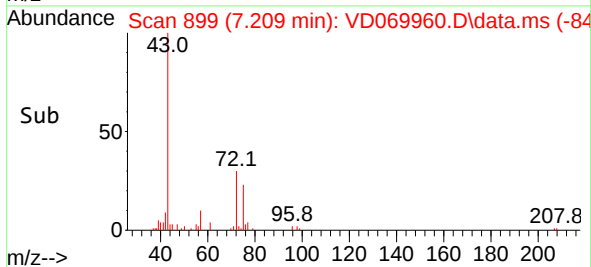
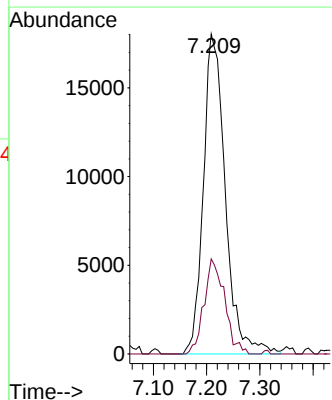
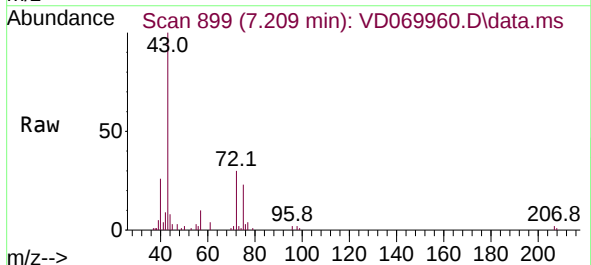
Instrument :
 MSVOA_D
 ClientSampled :

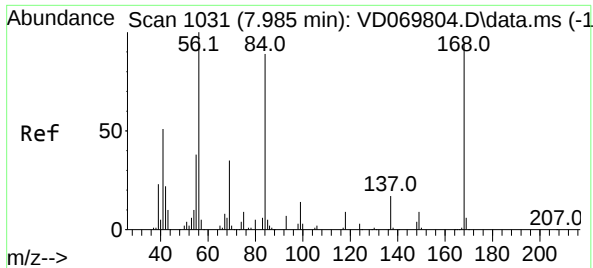
Tgt Ion: 43 Resp: 757
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 30.567 ug/l
 RT: 7.209 min Scan# 899
 Delta R.T. -0.006 min
 Lab File: VD069960.D
 Acq: 03 Aug 2021 12:22

Tgt Ion: 43 Resp: 51697
 Ion Ratio Lower Upper
 43 100
 72 29.7 22.8 34.2

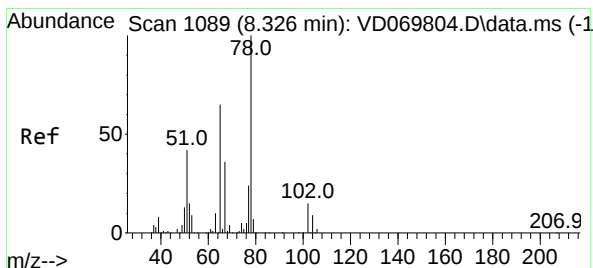
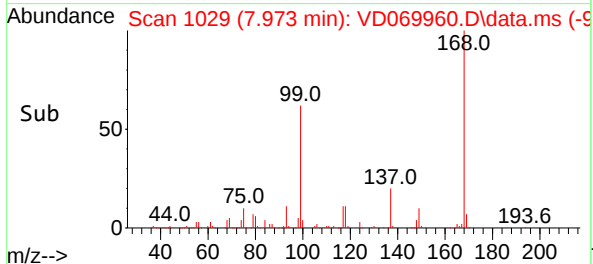
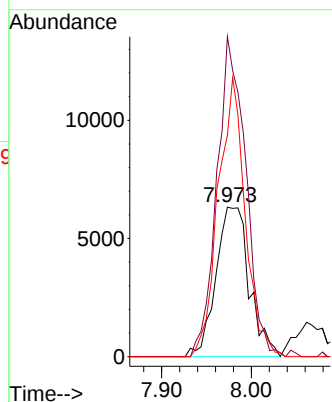
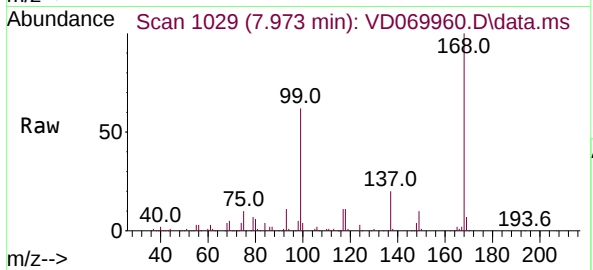




#31
Cyclohexane
Concen: 1.211 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069960.D
Acq: 03 Aug 2021 12:22

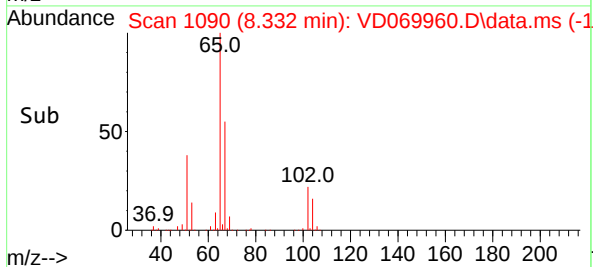
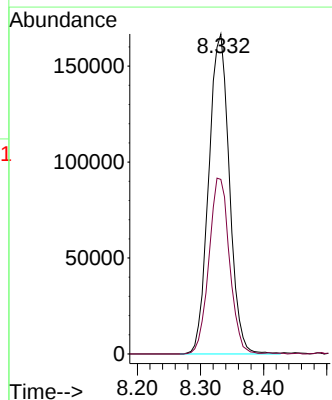
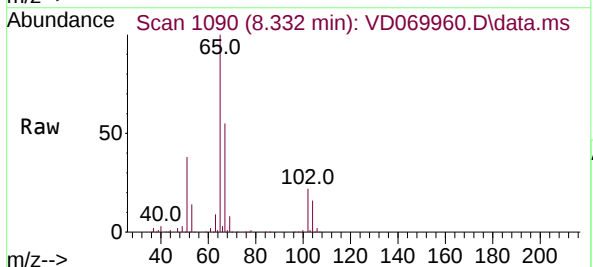
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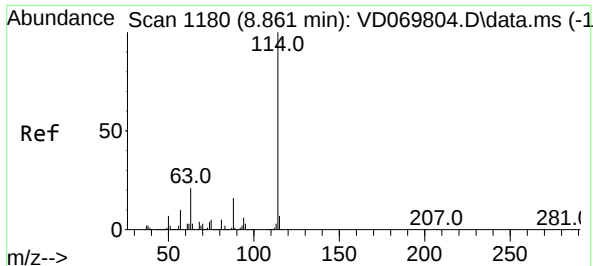
Tgt Ion: 56 Resp: 16331
Ion Ratio Lower Upper
56 100
69 214.1 27.9 41.9#
84 148.1 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 54.906 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069960.D
Acq: 03 Aug 2021 12:22

Tgt Ion: 65 Resp: 379057
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: VD069960.D

Acq: 03 Aug 2021 12:22

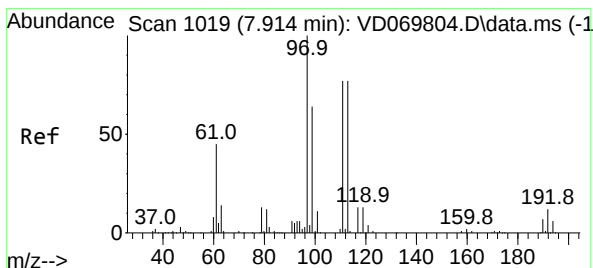
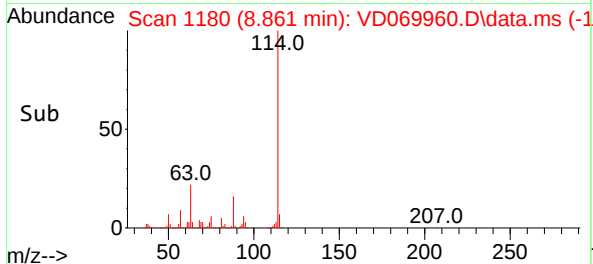
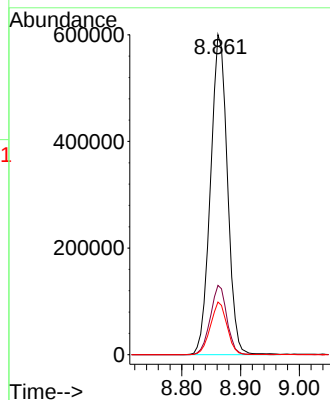
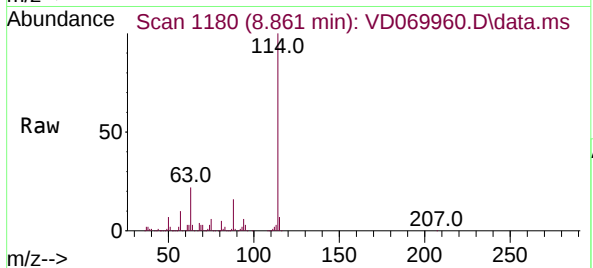
Tgt Ion:114 Resp: 1198400

Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.6

88 16.4 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.752 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069960.D

Acq: 03 Aug 2021 12:22

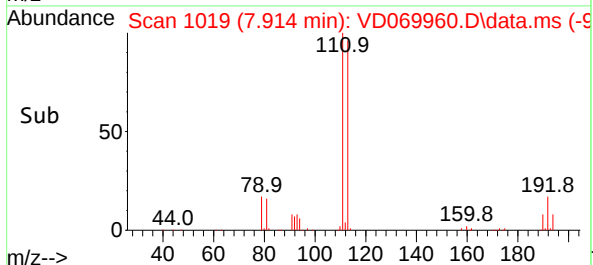
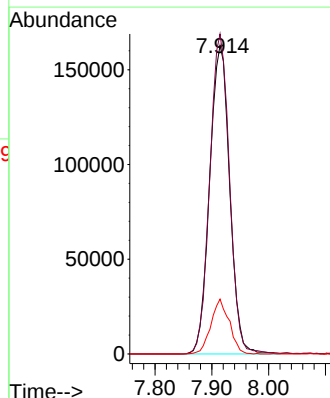
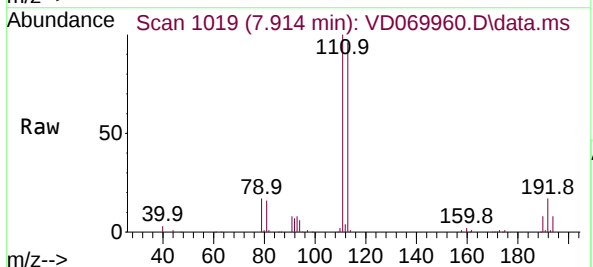
Tgt Ion:113 Resp: 398528

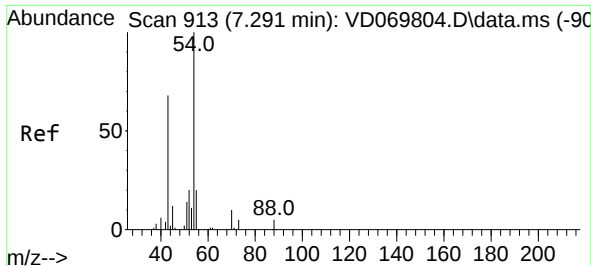
Ion Ratio Lower Upper

113 100

111 102.2 80.5 120.7

192 16.3 12.6 19.0

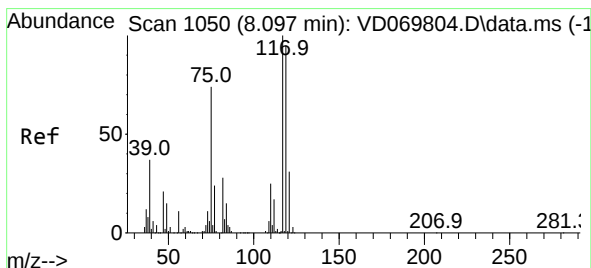
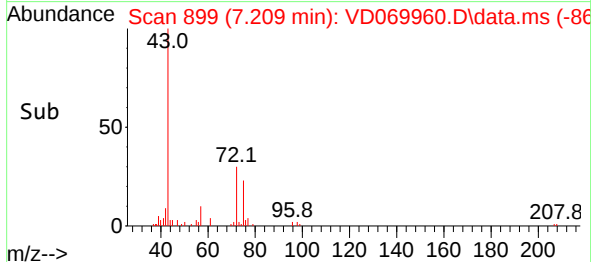
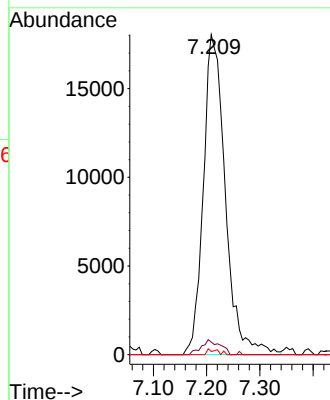
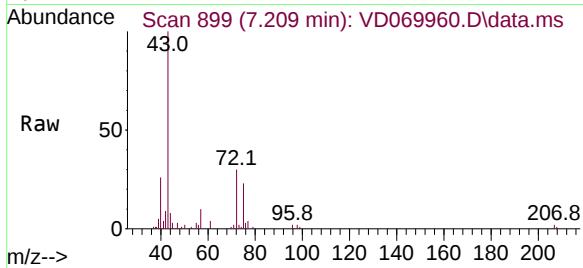




#37
Ethyl Acetate
Concen: 10.980 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.082 min
Lab File: VD069960.D
Acq: 03 Aug 2021 12:22

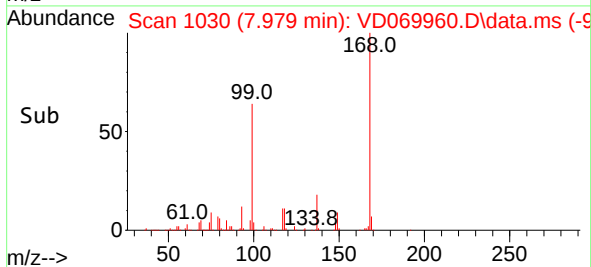
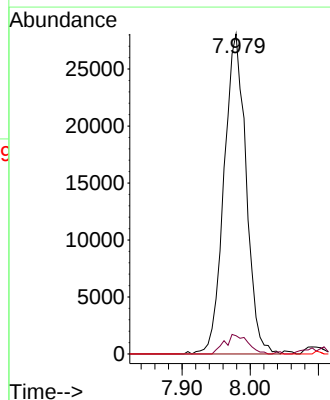
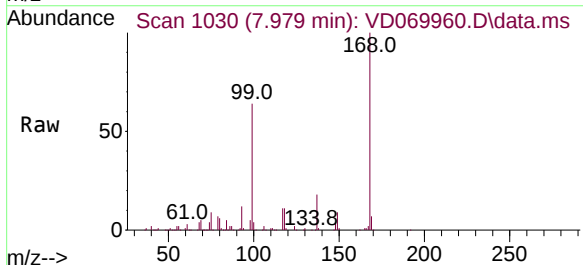
Instrument :
MSVOA_D
ClientSampleId :

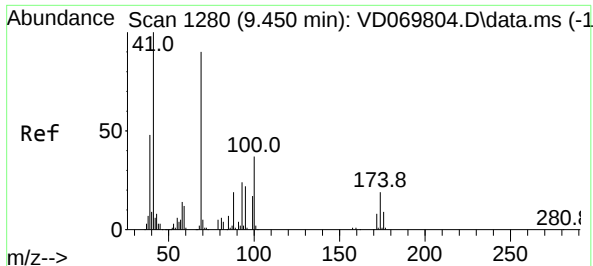
Tgt Ion: 43 Resp: 51697
Ion Ratio Lower Upper
43 100
61 4.0 11.8 17.8#
70 0.8 8.9 13.3#



#38
Carbon Tetrachloride
Concen: 5.354 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069960.D
Acq: 03 Aug 2021 12:22

Tgt Ion: 117 Resp: 63253
Ion Ratio Lower Upper
117 100
119 5.7 76.2 114.2#
121 0.0 24.5 36.7#

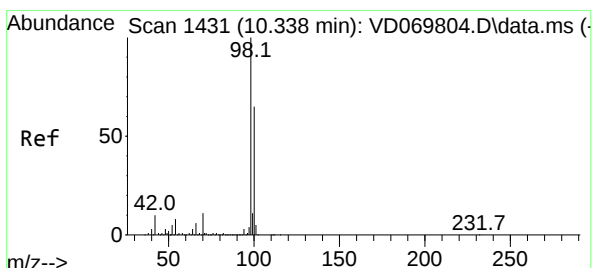
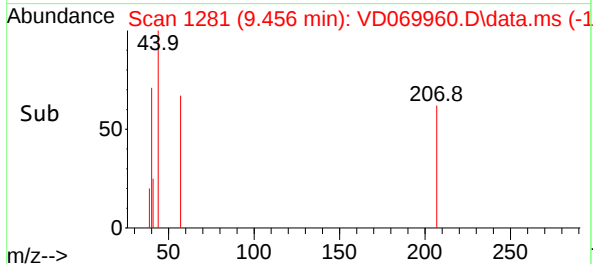
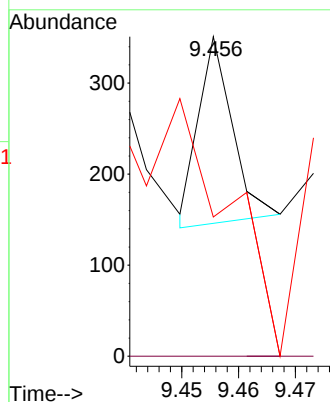
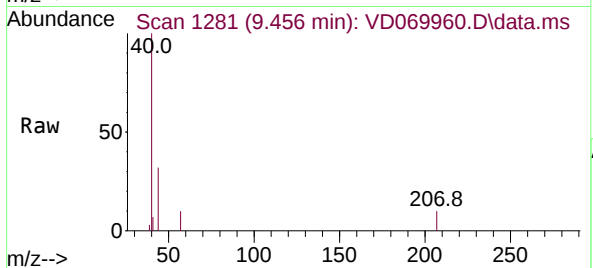




#48
Methyl methacrylate
Concen: 2.765 ug/l
RT: 9.456 min Scan# 1281
Delta R.T. 0.006 min
Lab File: VD069960.D
Acq: 03 Aug 2021 12:22

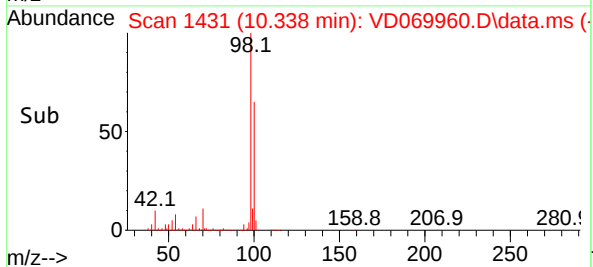
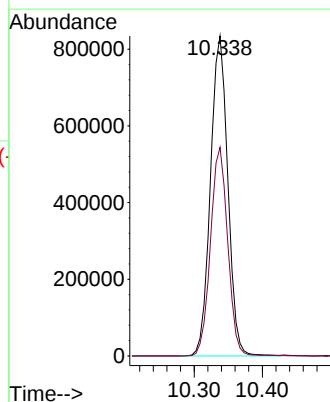
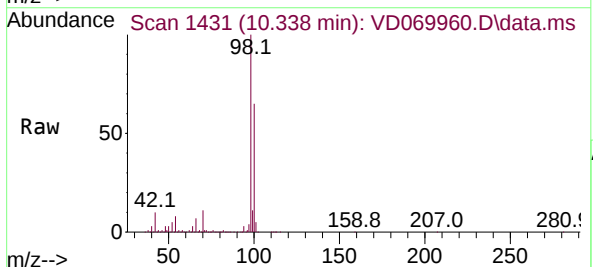
Instrument :
MSVOA_D
ClientSampled :

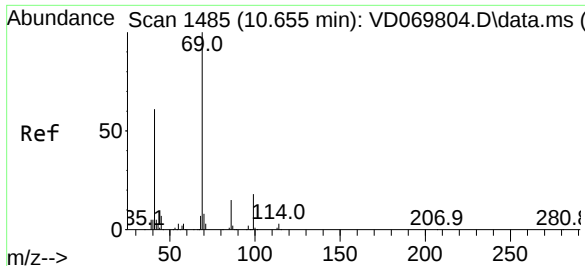
Tgt Ion: 41 Resp: 86
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#



#50
Toluene-d8
Concen: 50.809 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069960.D
Acq: 03 Aug 2021 12:22

Tgt Ion: 98 Resp: 1480092
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9

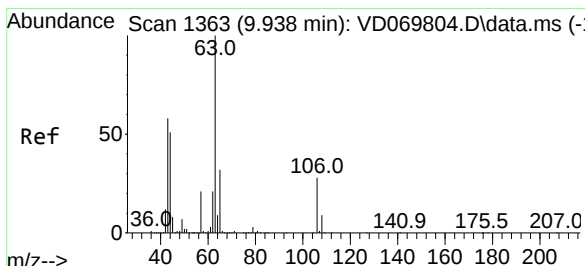
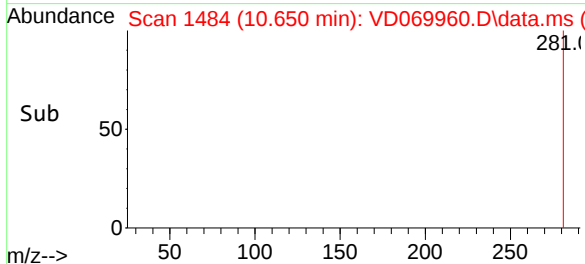
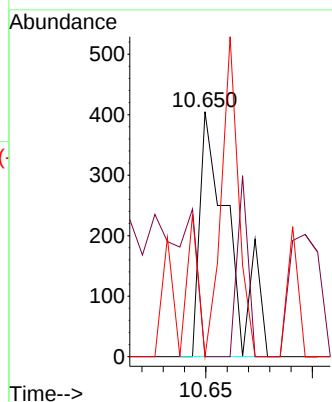
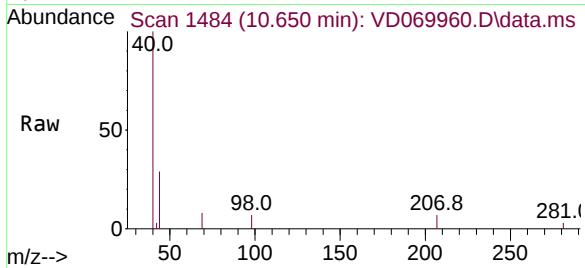




#56
Ethyl methacrylate
Concen: 3.938 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.005 min
Lab File: VD069960.D
Acq: 03 Aug 2021 12:22

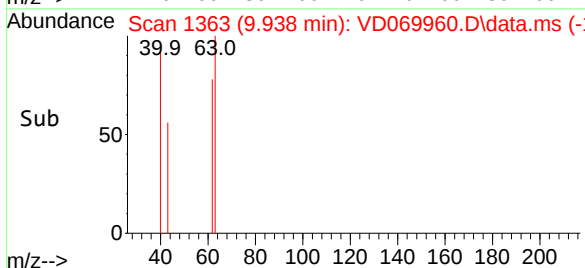
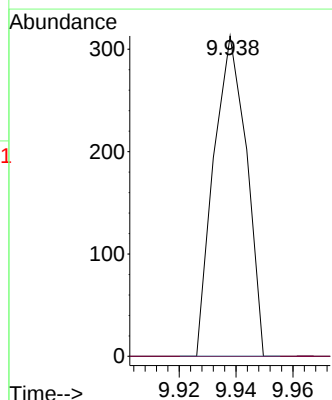
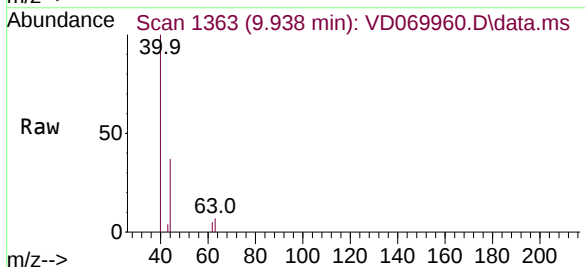
Instrument :
MSVOA_D
ClientSampleId :

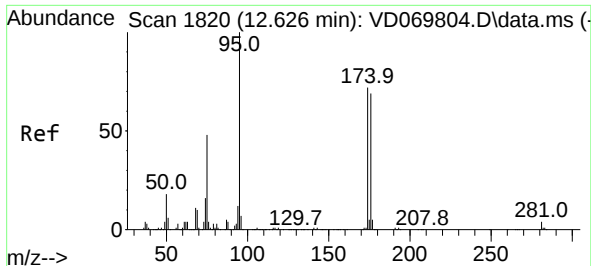
Tgt Ion: 69 Resp: 388
Ion Ratio Lower Upper
69 100
41 113.1 50.2 75.2#
39 17.8 22.0 33.0#



#58
2-Chloroethyl Vinyl ether
Concen: 20.932 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069960.D
Acq: 03 Aug 2021 12:22

Tgt Ion: 63 Resp: 250
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#

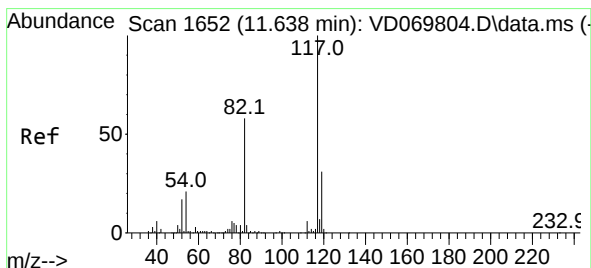
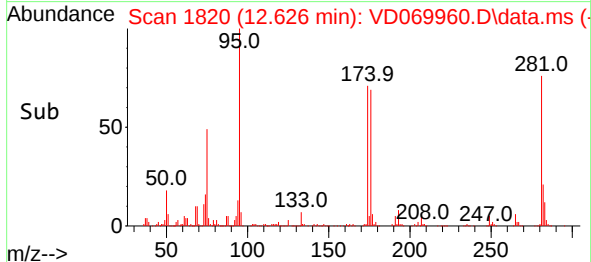
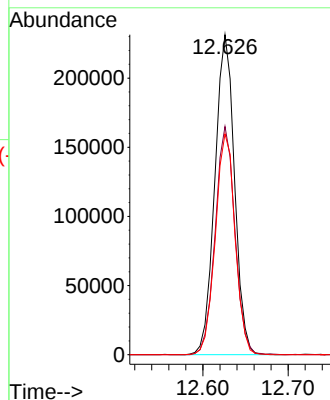
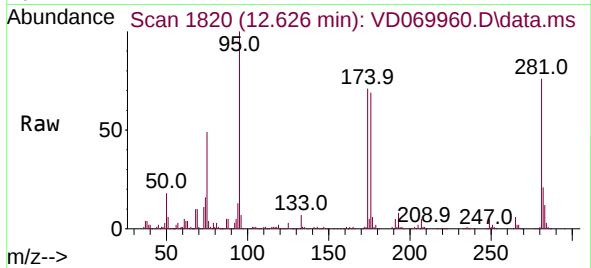




#62
4-Bromofluorobenzene
Concen: 38.009 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069960.D
Acq: 03 Aug 2021 12:22

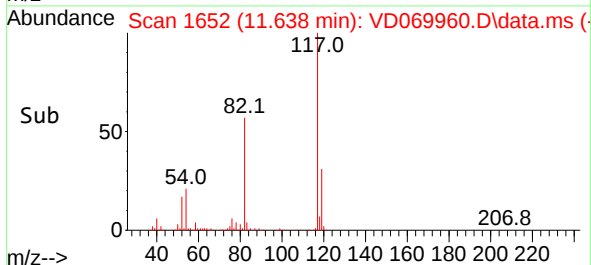
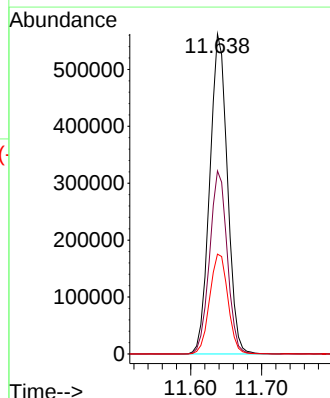
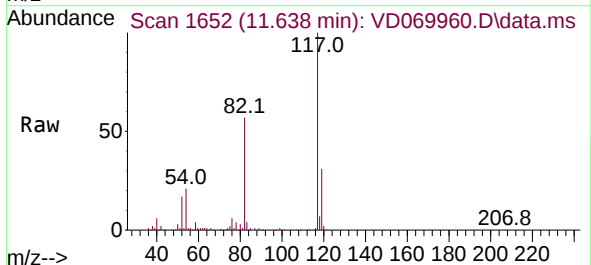
Instrument :
MSVOA_D
ClientSampleId :

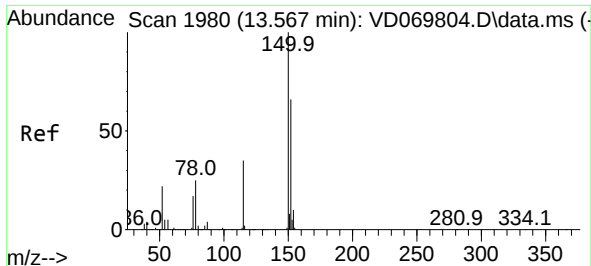
Tgt Ion: 95 Resp: 370040
Ion Ratio Lower Upper
95 100
174 71.5 0.0 142.6
176 69.3 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069960.D
Acq: 03 Aug 2021 12:22

Tgt Ion: 117 Resp: 969928
Ion Ratio Lower Upper
117 100
82 57.2 46.3 69.5
119 31.2 24.7 37.1

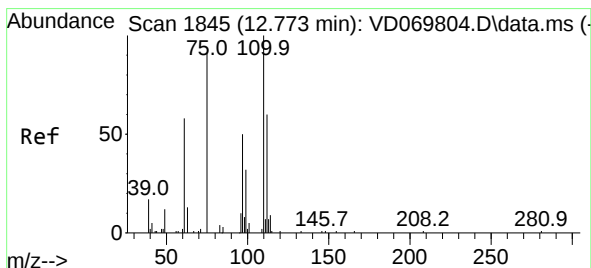
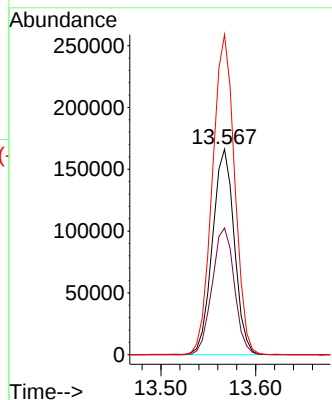
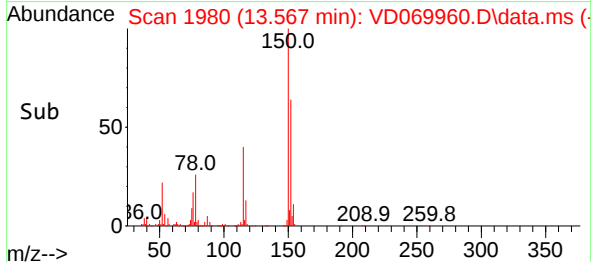
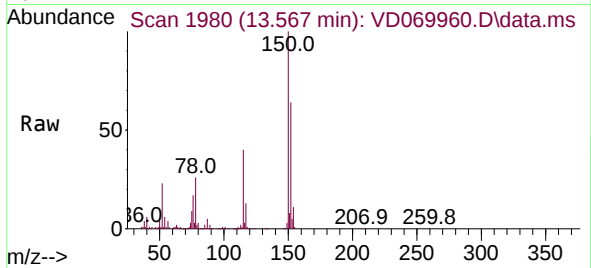




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD069960.D
 Acq: 03 Aug 2021 12:22

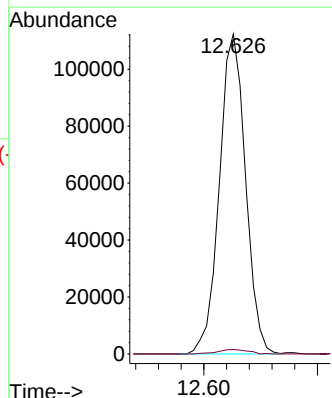
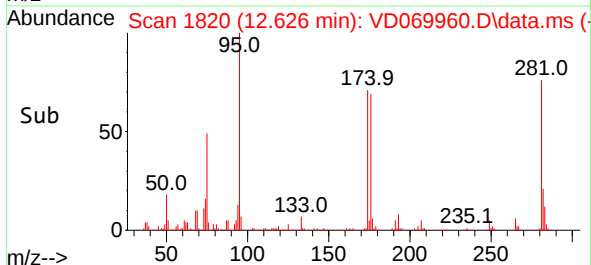
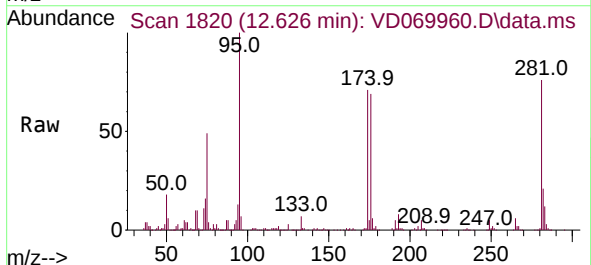
Instrument :
 MSVOA_D
 ClientSampled :

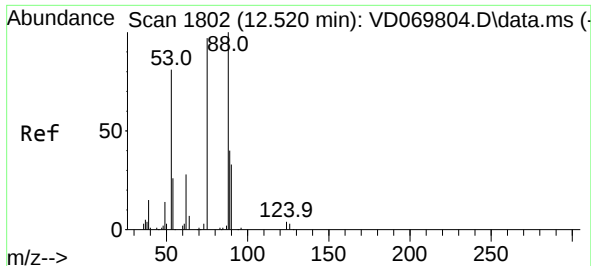
Tgt Ion:152 Resp: 266404
 Ion Ratio Lower Upper
 152 100
 115 63.0 31.1 93.3
 150 158.6 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 63.342 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069960.D
 Acq: 03 Aug 2021 12:22

Tgt Ion: 75 Resp: 179365
 Ion Ratio Lower Upper
 75 100
 77 1.7 181.5 544.5#

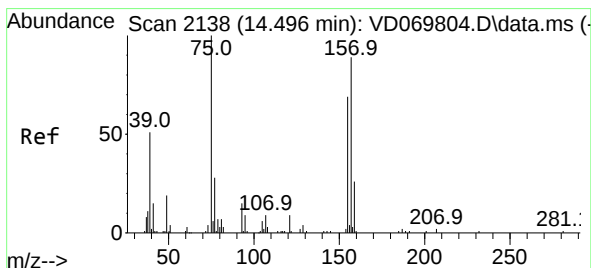
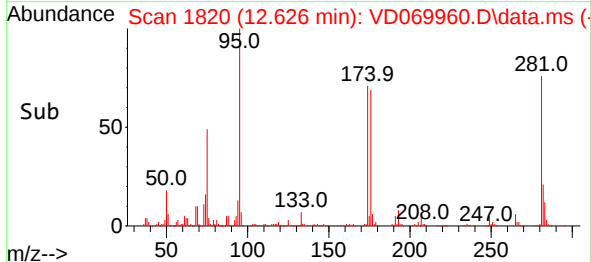
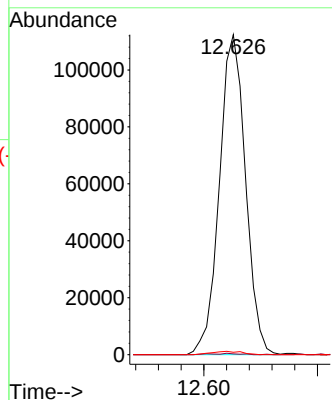
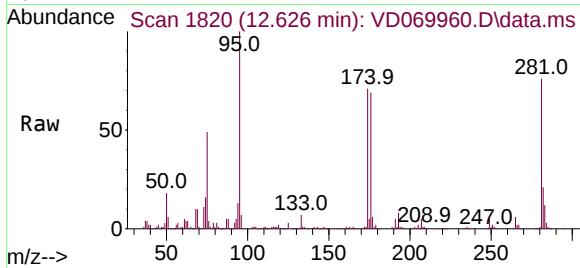




#81
trans-1,4-Dichloro-2-butene
Concen: 192.164 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069960.D
Acq: 03 Aug 2021 12:22

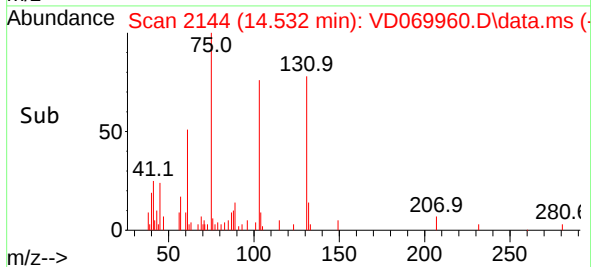
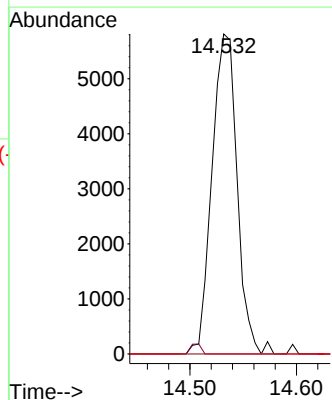
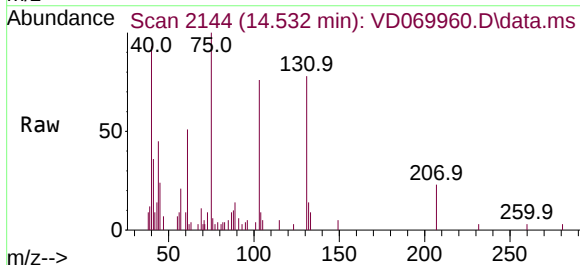
Instrument :
MSVOA_D
ClientSampled :

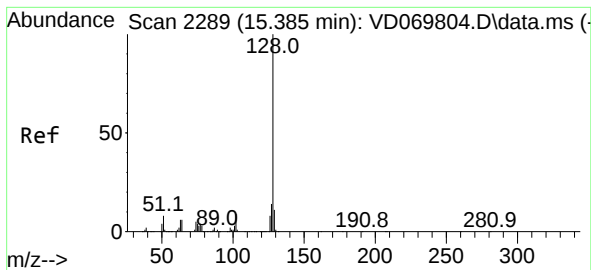
Tgt Ion: 75 Resp: 179365
Ion Ratio Lower Upper
75 100
53 0.4 67.2 100.8#
89 1.2 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 17.310 ug/l
RT: 14.532 min Scan# 2144
Delta R.T. 0.035 min
Lab File: VD069960.D
Acq: 03 Aug 2021 12:22

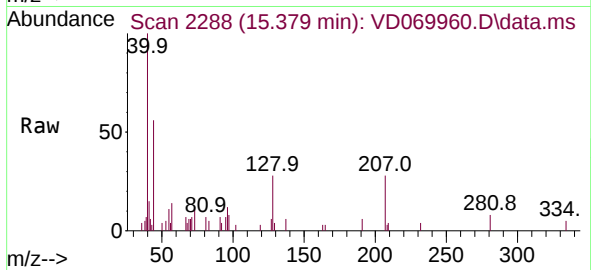
Tgt Ion: 75 Resp: 9528
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#





#95
Naphthalene
Concen: 5.251 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD069960.D
Acq: 03 Aug 2021 12:22

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	9.2	10.6	16.0#
129	2.9	8.6	12.8#

