

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080421\
 Data File : VD069988.D
 Acq On : 04 Aug 2021 16:12
 Operator : VA/SY
 Sample : M3279-14
 Misc : 7.43G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20210471-57

Quant Time: Aug 05 03:11:52 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)

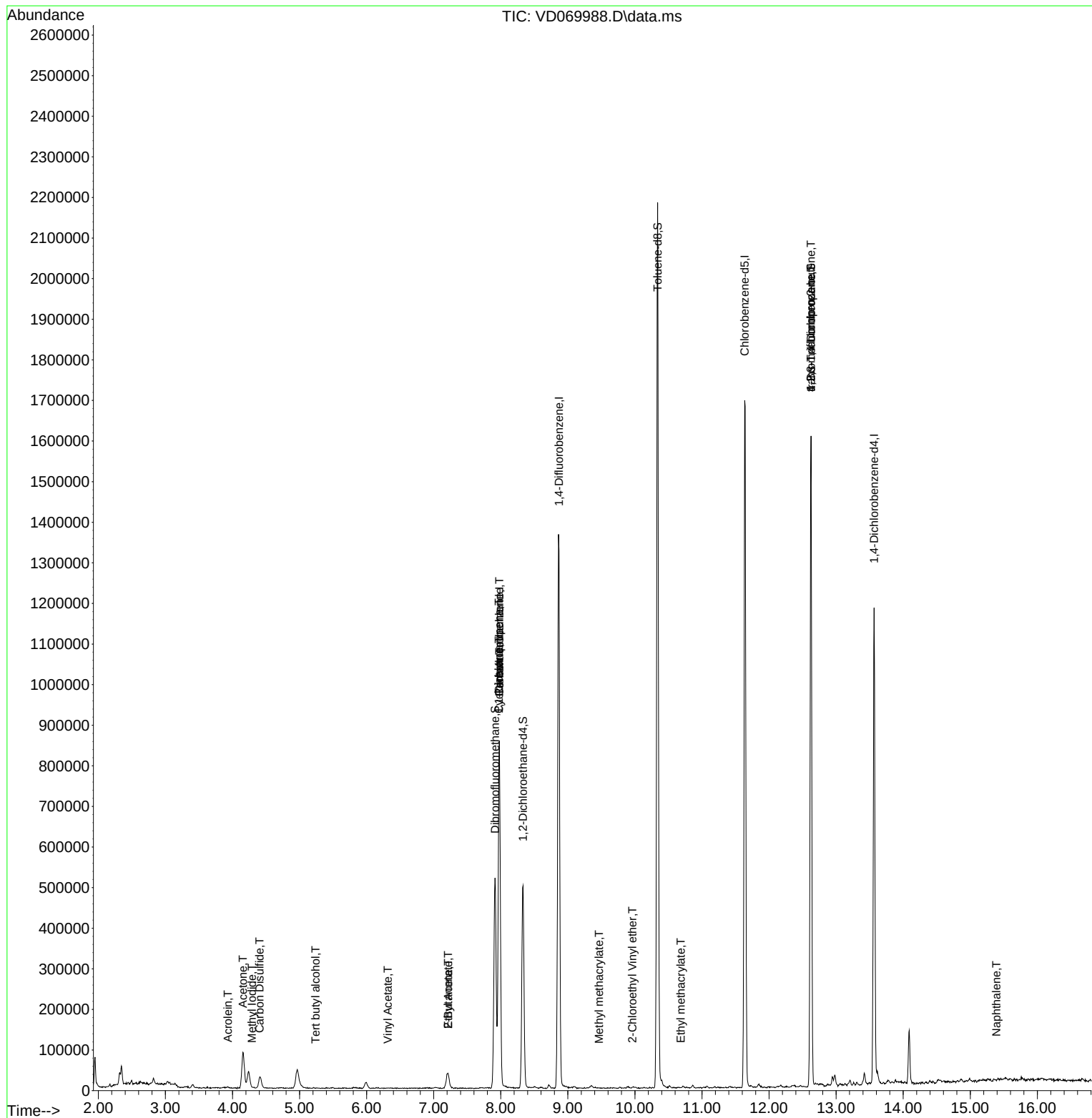
Internal Standards						
1) Pentafluorobenzene	7.979	168	607073	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1181077	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1011225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	312295	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	397247	56.897	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.800%			
35) Dibromofluoromethane	7.914	113	389408	52.301	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.600%			
50) Toluene-d8	10.338	98	1482059	51.623	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.240%			
62) 4-Bromofluorobenzene	12.626	95	406063	42.321	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 84.640%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	1866	Below Cal	#	63
10) Methyl Iodide	4.291	142	267	3.495	ug/l #	72
11) Tert butyl alcohol	5.238	59	1173	3.247	ug/l #	73
13) Acrolein	3.932	56	3628	7.174	ug/l #	82
16) Acetone	4.156	43	149975	118.910	ug/l	98
17) Carbon Disulfide	4.403	76	59980	2.415	ug/l	100
20) Methylene Chloride	4.973	84	35194	Below Cal		92
23) Vinyl Acetate	6.314	43	68	20.354	ug/l #	71
25) 2-Butanone	7.214	43	48204	28.183	ug/l	97
31) Cyclohexane	7.973	56	14819	1.086	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	52985	4.157	ug/l #	49
37) Ethyl Acetate	7.214	43	48204	10.389	ug/l #	73
38) Carbon Tetrachloride	7.979	117	65118	5.593	ug/l #	17
48) Methyl methacrylate	9.467	41	206	2.791	ug/l #	13
56) Ethyl methacrylate	10.685	69	121	3.909	ug/l #	11
58) 2-Chloroethyl Vinyl ether	9.961	63	55	20.884	ug/l #	48
76) 1,2,3-Trichloropropane	12.626	75	203967	61.446	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	203967	186.410	ug/l #	16
95) Naphthalene	15.390	128	1985	5.174	ug/l #	82

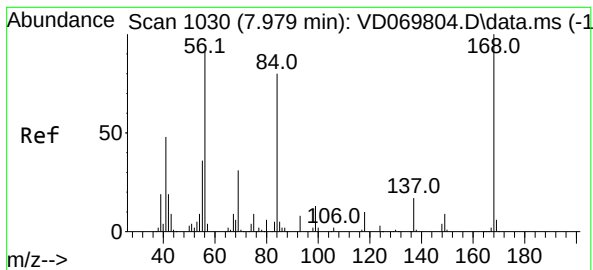
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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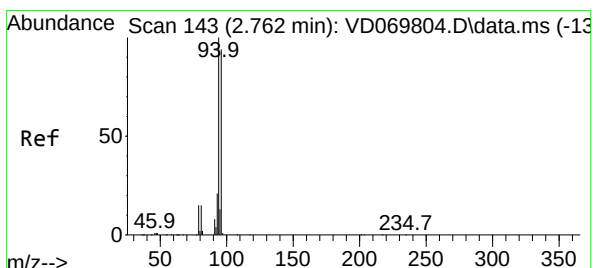
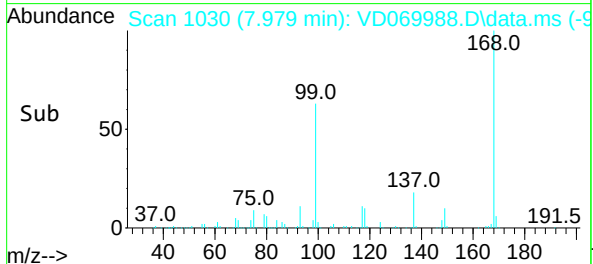
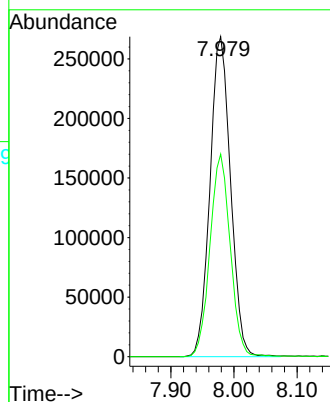
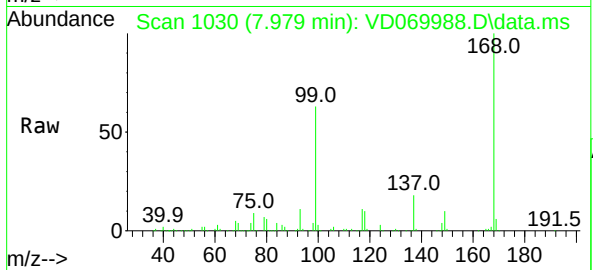




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069988.D
Acq: 04 Aug 2021 16:12

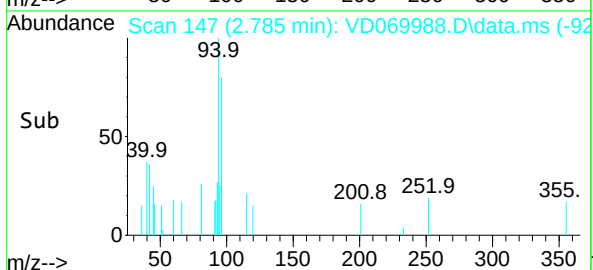
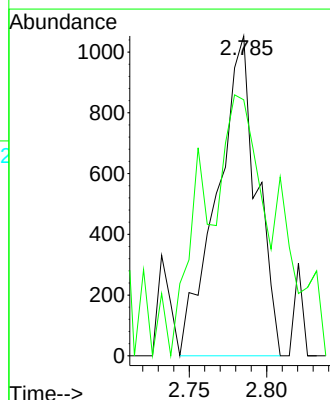
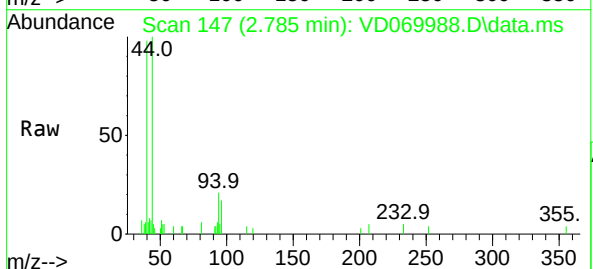
Instrument :
MSVOA_D
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20210471-57

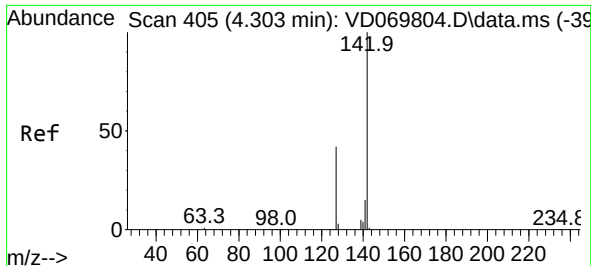
Tgt Ion:168 Resp: 607073
Ion Ratio Lower Upper
168 100
99 63.3 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD069988.D
Acq: 04 Aug 2021 16:12

Tgt Ion: 94 Resp: 1866
Ion Ratio Lower Upper
94 100
96 57.5 74.8 112.2#

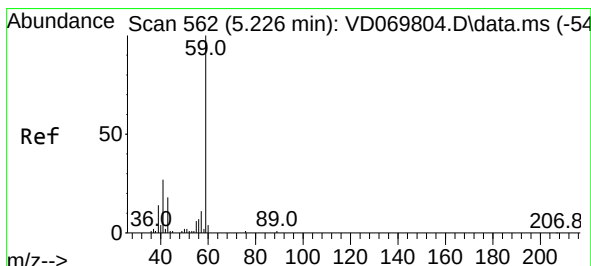
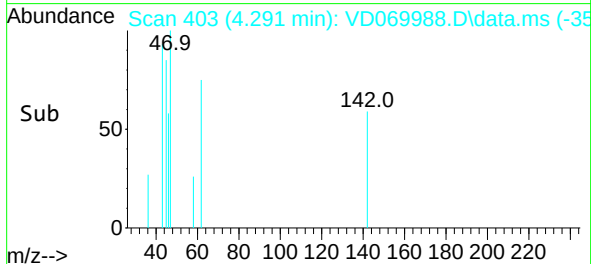
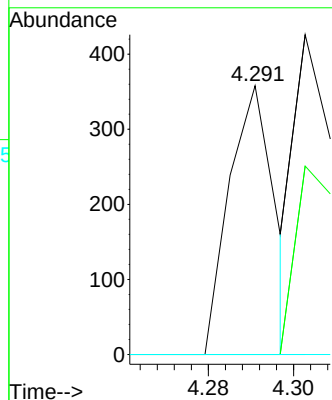
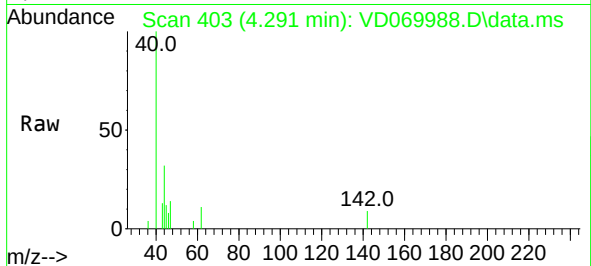




#10
Methyl Iodide
Concen: 3.495 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD069988.D
Acq: 04 Aug 2021 16:12

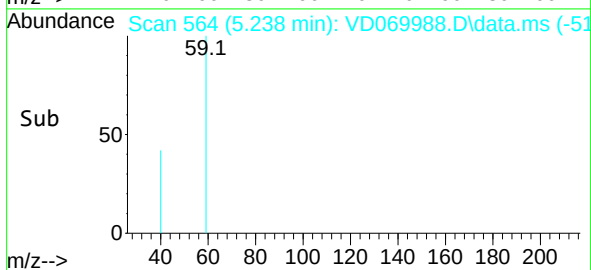
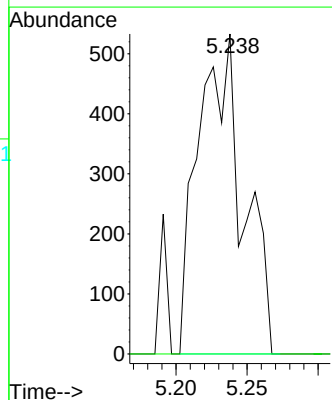
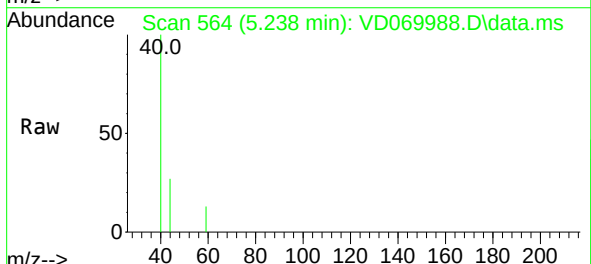
Instrument :
MSVOA_D
ClientSampleId :
20210471-57

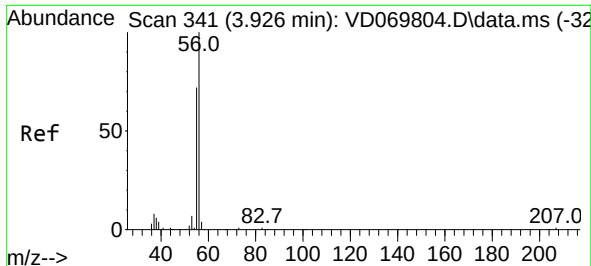
Tgt Ion:142 Resp: 267
Ion Ratio Lower Upper
142 100
127 61.4 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 3.247 ug/l
RT: 5.238 min Scan# 564
Delta R.T. 0.012 min
Lab File: VD069988.D
Acq: 04 Aug 2021 16:12

Tgt Ion: 59 Resp: 1173
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

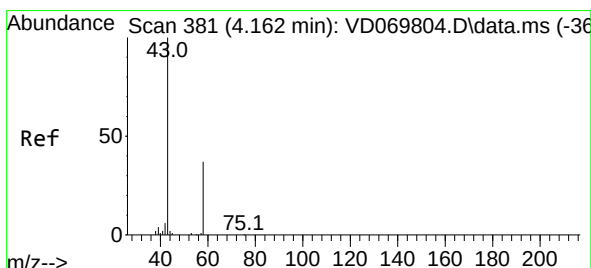
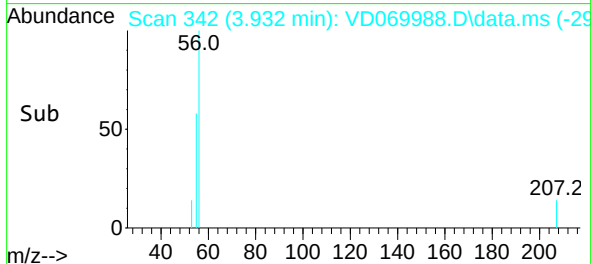
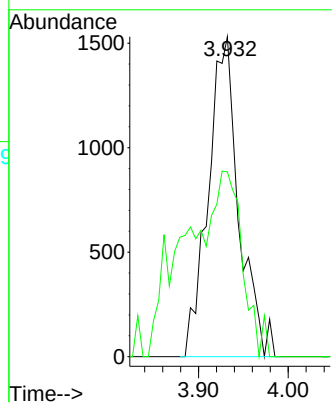
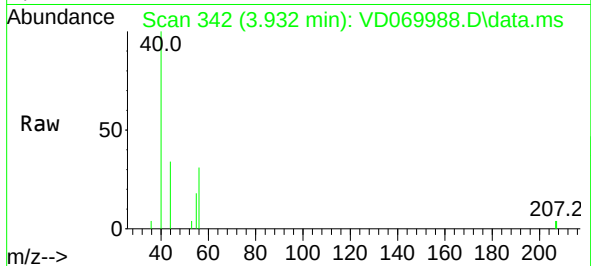




#13
Acrolein
Concen: 7.174 ug/l
RT: 3.932 min Scan# 342
Delta R.T. 0.006 min
Lab File: VD069988.D
Acq: 04 Aug 2021 16:12

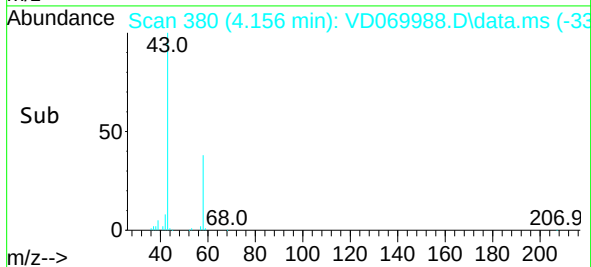
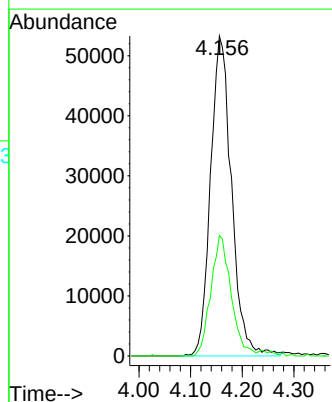
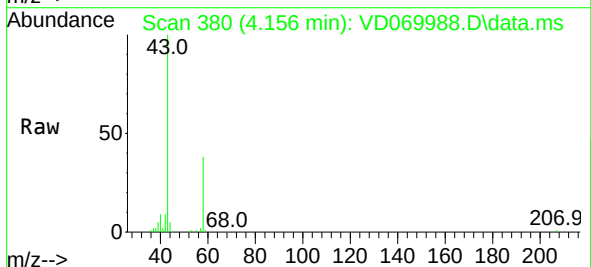
Instrument :
MSVOA_D
ClientSampleId :
20210471-57

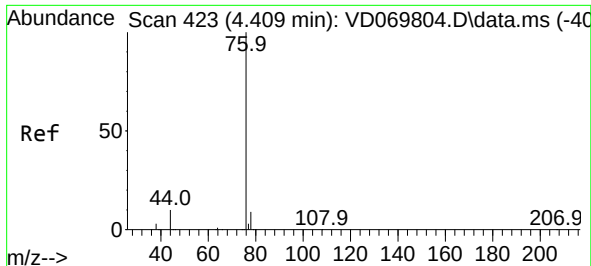
Tgt Ion: 56 Resp: 3628
Ion Ratio Lower Upper
56 100
55 56.1 57.2 85.8#



#16
Acetone
Concen: 118.910 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069988.D
Acq: 04 Aug 2021 16:12

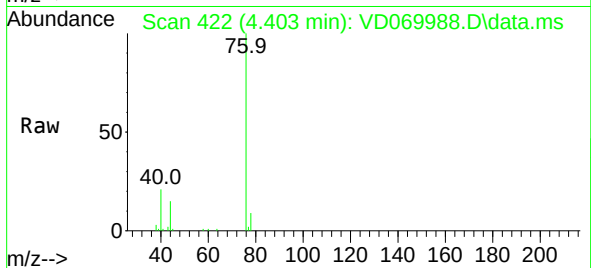
Tgt Ion: 43 Resp: 149975
Ion Ratio Lower Upper
43 100
58 37.6 29.4 44.0



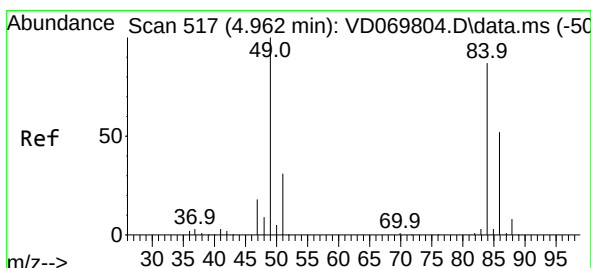
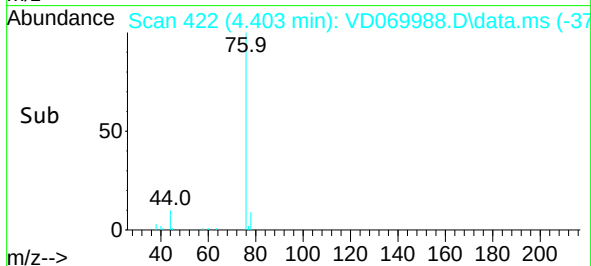
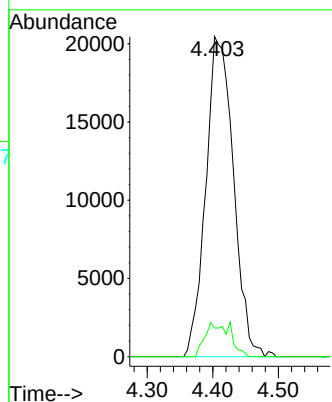


#17
Carbon Disulfide
Concen: 2.415 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD069988.D
Acq: 04 Aug 2021 16:12

Instrument :
MSVOA_D
ClientSampleId :
20210471-57

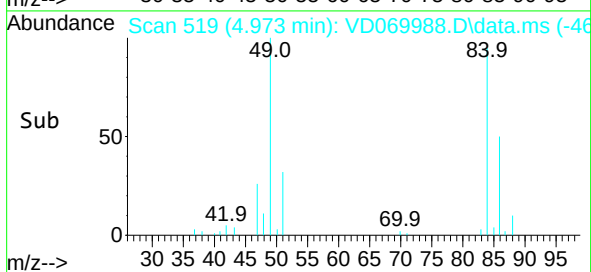
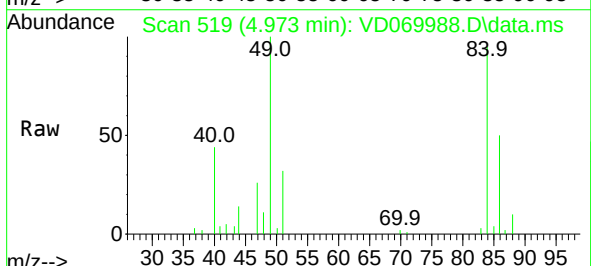
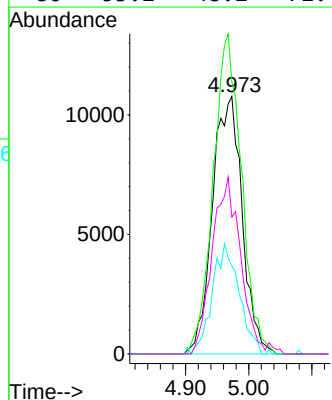


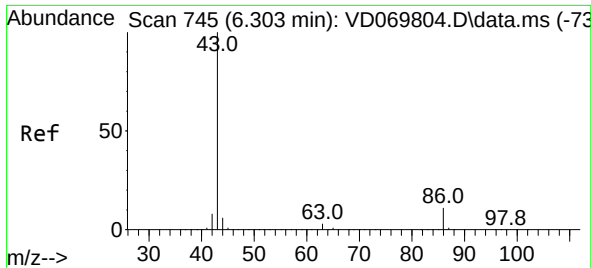
Tgt Ion: 76 Resp: 59980
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD069988.D
Acq: 04 Aug 2021 16:12

Tgt Ion: 84 Resp: 35194
Ion Ratio Lower Upper
84 100
49 105.5 92.4 138.6
51 34.2 28.5 42.7
86 53.2 48.2 72.4

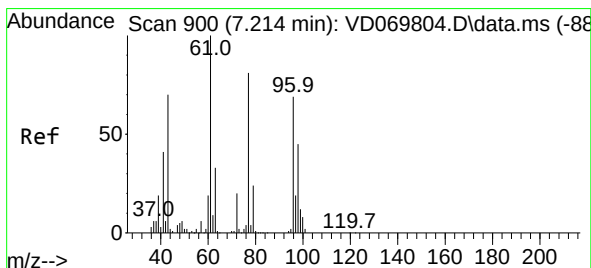
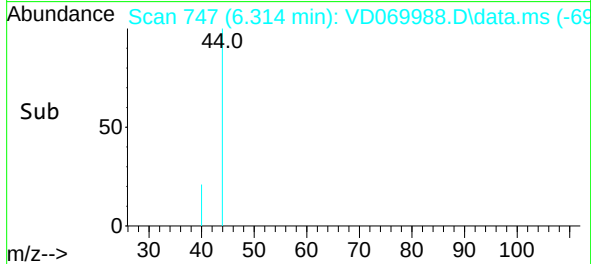
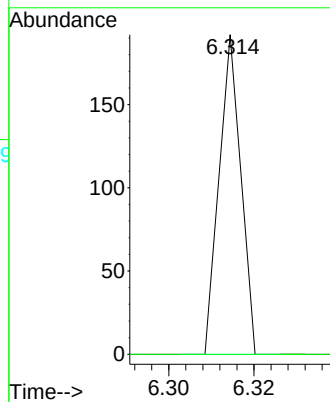
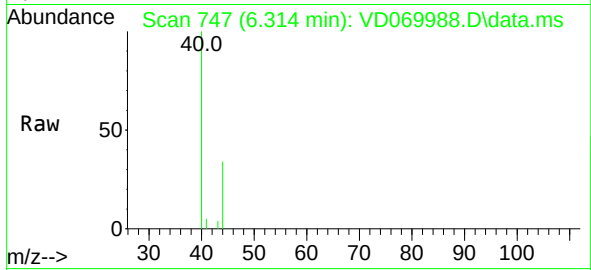




#23
 Vinyl Acetate
 Concen: 20.354 ug/l
 RT: 6.314 min Scan# 747
 Delta R.T. 0.011 min
 Lab File: VD069988.D
 Acq: 04 Aug 2021 16:12

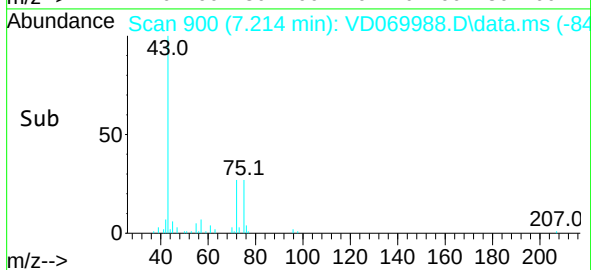
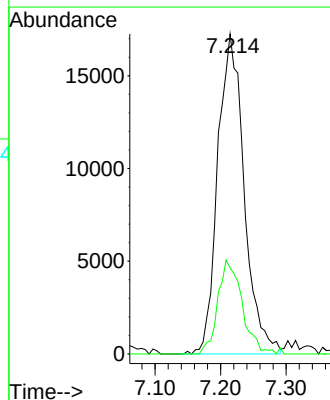
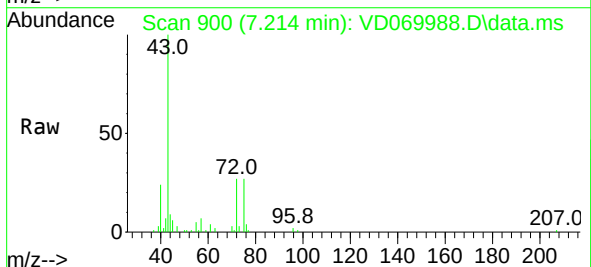
Instrument :
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 20210471-57

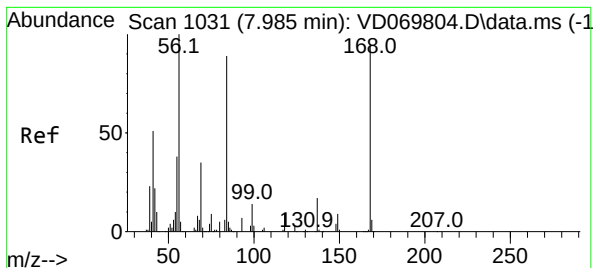
Tgt Ion: 43 Resp: 68
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 28.183 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. -0.000 min
 Lab File: VD069988.D
 Acq: 04 Aug 2021 16:12

Tgt Ion: 43 Resp: 48204
 Ion Ratio Lower Upper
 43 100
 72 26.9 22.8 34.2





#31

Cyclohexane

Concen: 1.086 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD069988.D

Acq: 04 Aug 2021 16:12

Tgt Ion: 56 Resp: 14819

Ion Ratio Lower Upper

56 100

69 200.9 27.9 41.9#

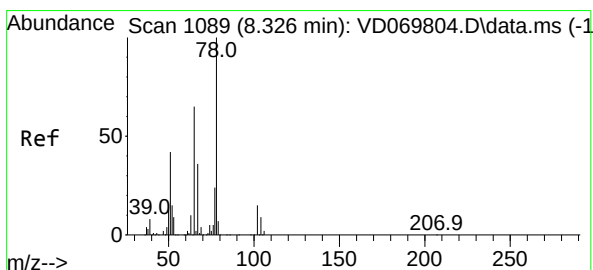
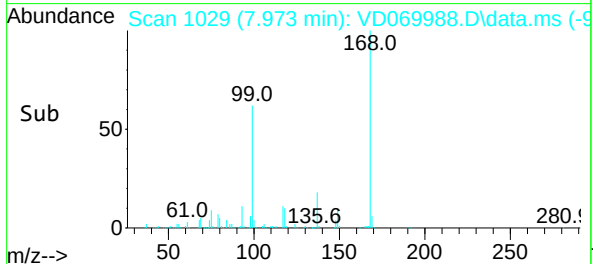
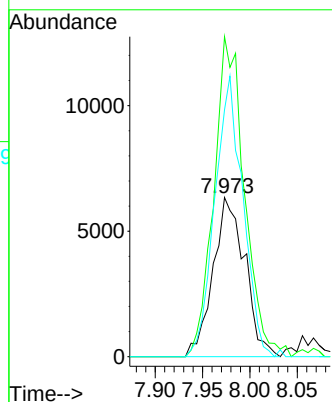
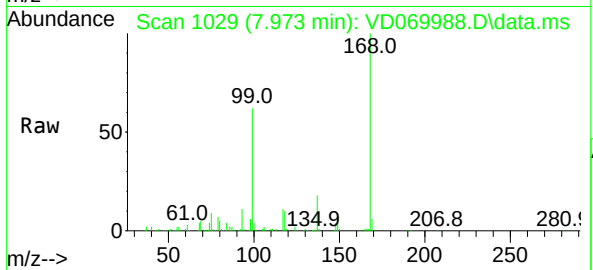
84 155.1 71.4 107.2#

Instrument :

MSVOA_D

ClientSampleId :

20210471-57



#33

1,2-Dichloroethane-d4

Concen: 56.897 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VD069988.D

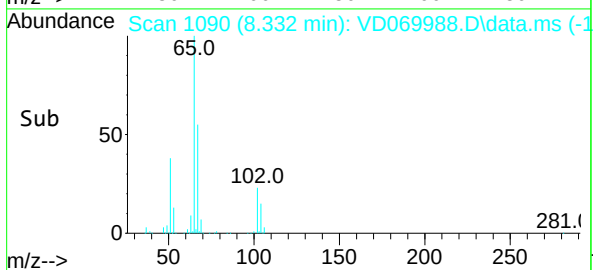
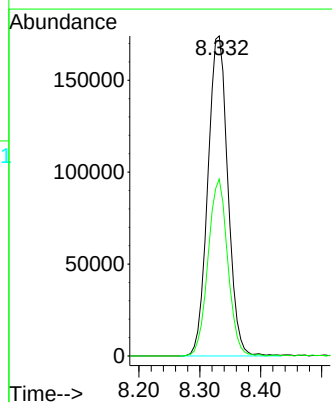
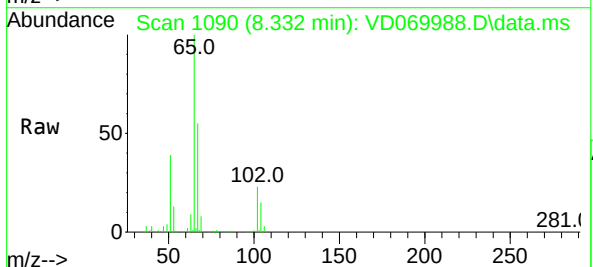
Acq: 04 Aug 2021 16:12

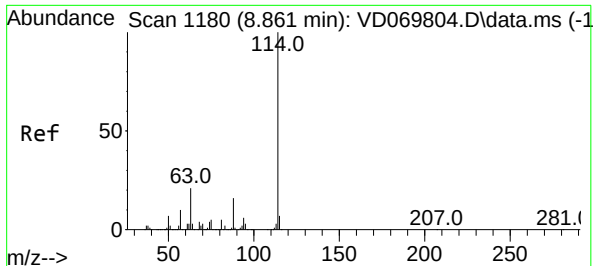
Tgt Ion: 65 Resp: 397247

Ion Ratio Lower Upper

65 100

67 54.3 0.0 111.2

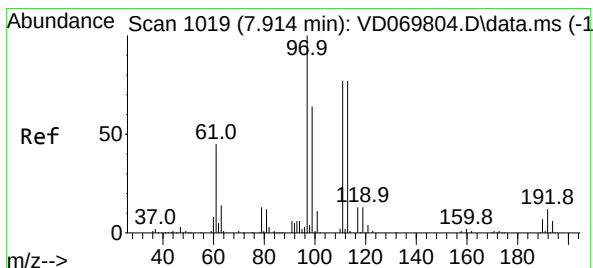
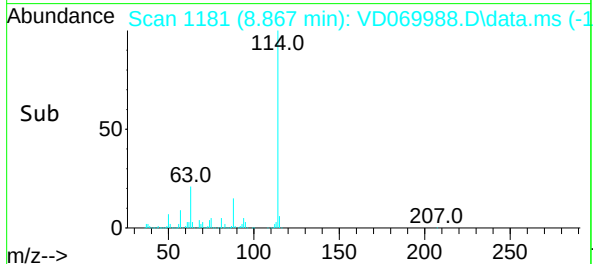
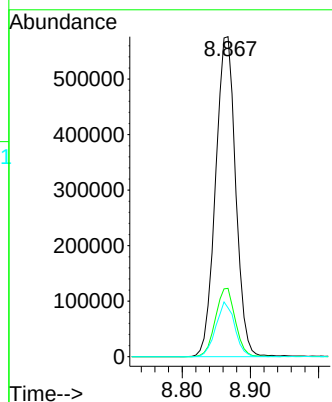
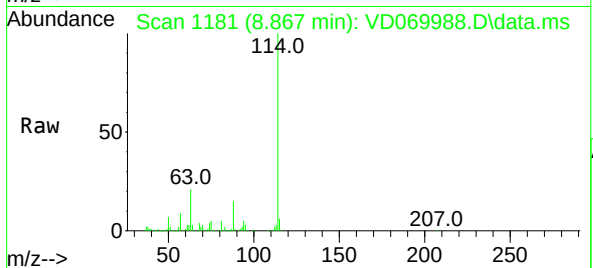




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.006 min
Lab File: VD069988.D
Acq: 04 Aug 2021 16:12

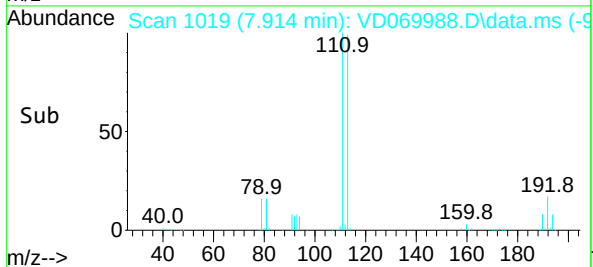
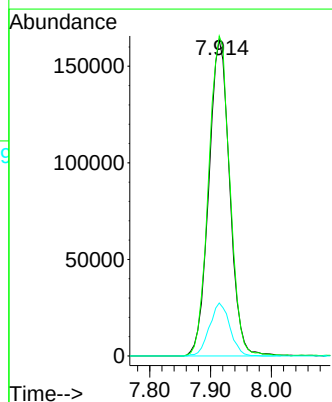
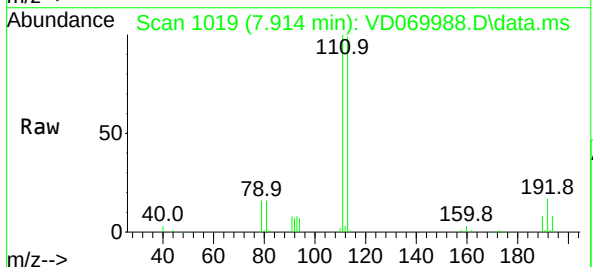
Instrument :
MSVOA_D
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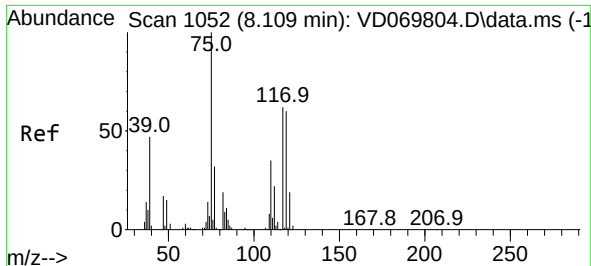
Tgt Ion:114 Resp: 1181077
Ion Ratio Lower Upper
114 100
63 21.3 0.0 41.6
88 15.3 0.0 31.4



#35
Dibromofluoromethane
Concen: 52.301 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069988.D
Acq: 04 Aug 2021 16:12

Tgt Ion:113 Resp: 389408
Ion Ratio Lower Upper
113 100
111 103.0 80.5 120.7
192 16.4 12.6 19.0

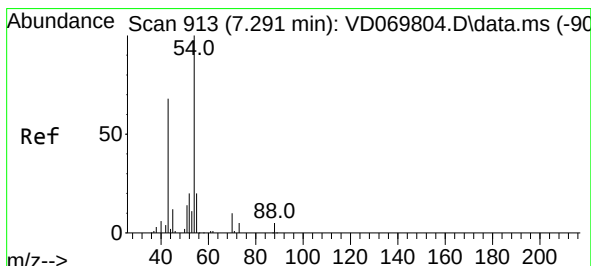
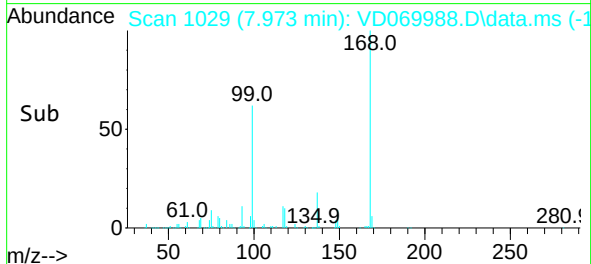
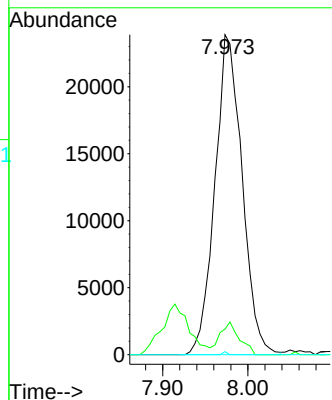
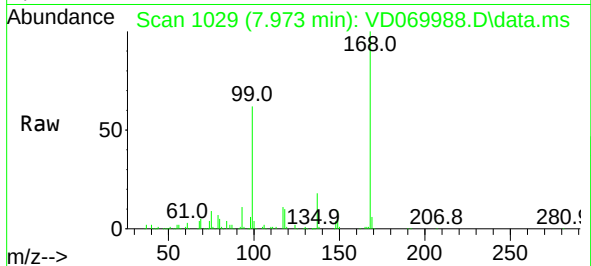




#36
1,1-Dichloropropene
Concen: 4.157 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069988.D
Acq: 04 Aug 2021 16:12

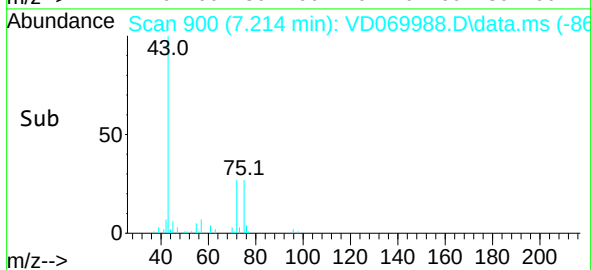
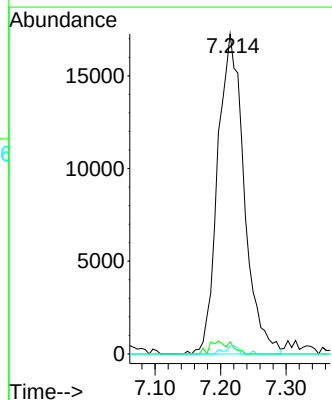
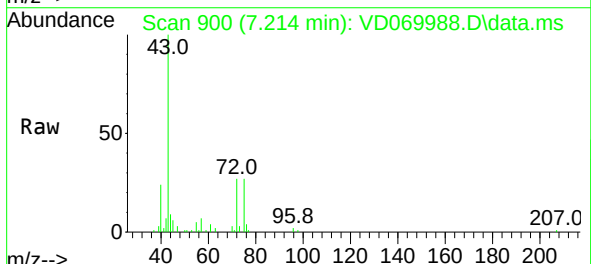
Instrument :
MSVOA_D
ClientSampleId :
20210471-57

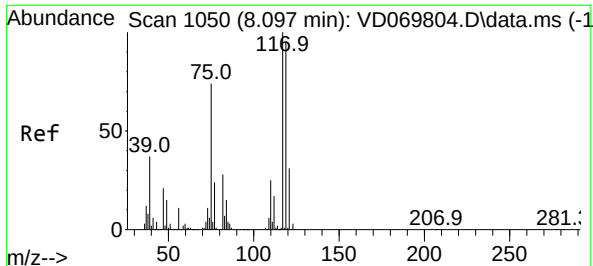
Tgt Ion: 75 Resp: 52985
Ion Ratio Lower Upper
75 100
110 7.3 16.9 50.7#
77 0.1 24.9 37.3#



#37
Ethyl Acetate
Concen: 10.389 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.077 min
Lab File: VD069988.D
Acq: 04 Aug 2021 16:12

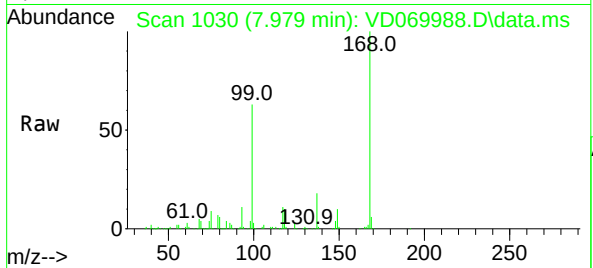
Tgt Ion: 43 Resp: 48204
Ion Ratio Lower Upper
43 100
61 3.3 11.8 17.8#
70 1.3 8.9 13.3#



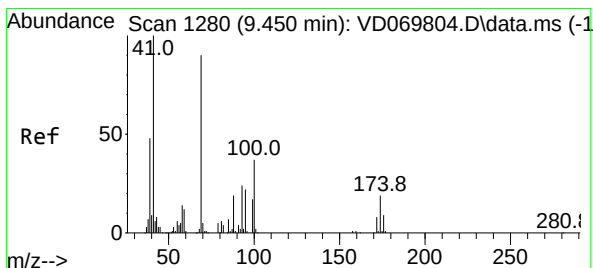
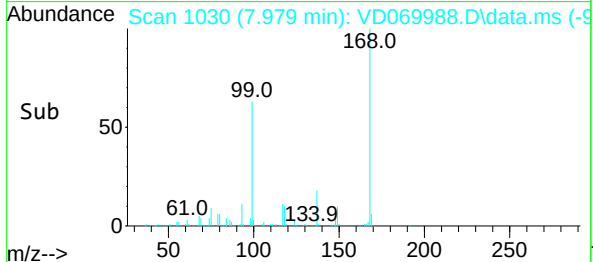
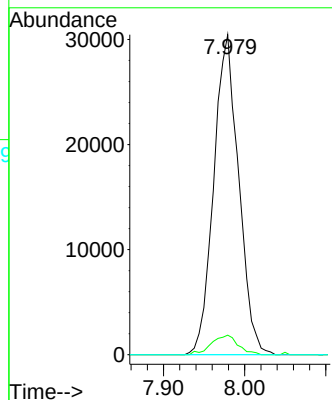


#38
Carbon Tetrachloride
Concen: 5.593 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069988.D
Acq: 04 Aug 2021 16:12

Instrument :
MSVOA_D
ClientSampleId :
20210471-57

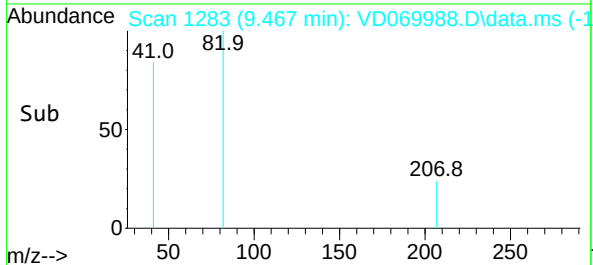
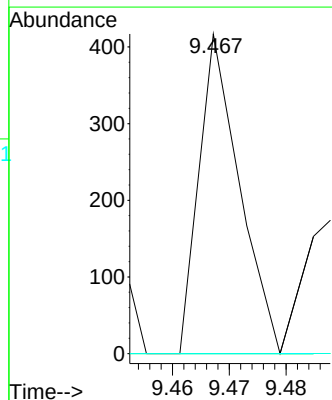
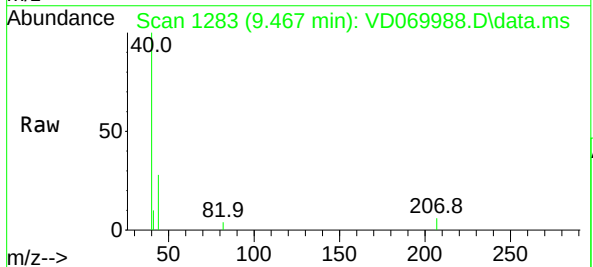


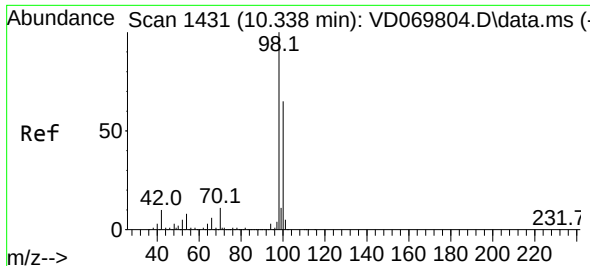
Tgt Ion: 117 Resp: 65118
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.791 ug/l
RT: 9.467 min Scan# 1283
Delta R.T. 0.017 min
Lab File: VD069988.D
Acq: 04 Aug 2021 16:12

Tgt Ion: 41 Resp: 206
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#

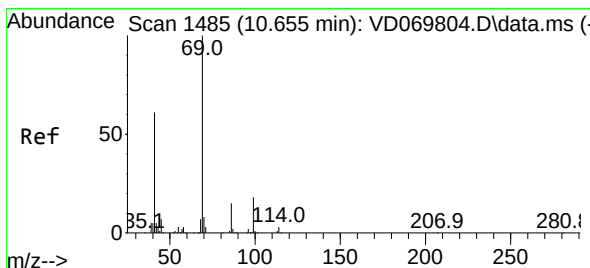
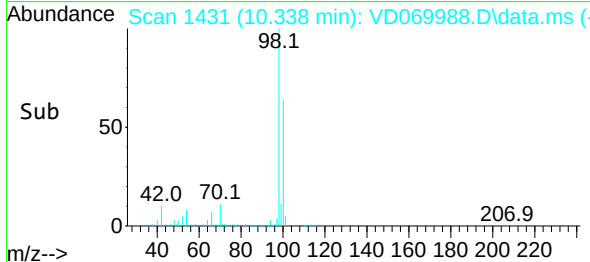
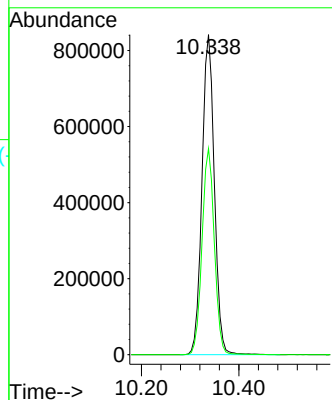
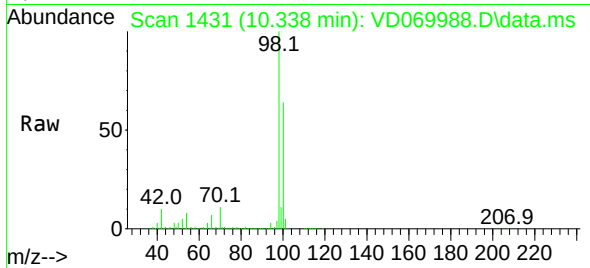




#50
Toluene-d8
Concen: 51.623 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069988.D
Acq: 04 Aug 2021 16:12

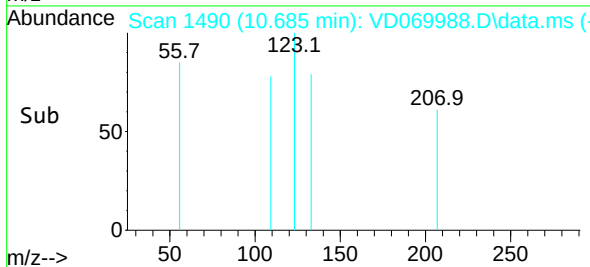
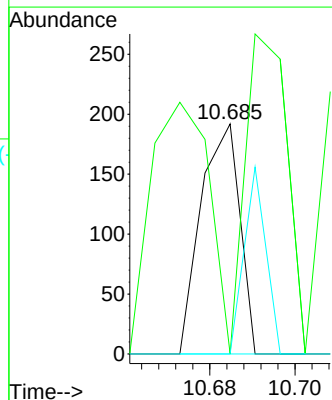
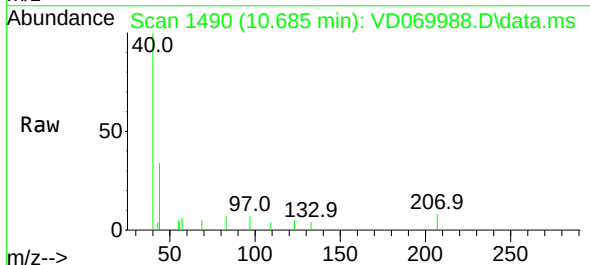
Instrument :
MSVOA_D
ClientSampleId :
20210471-57

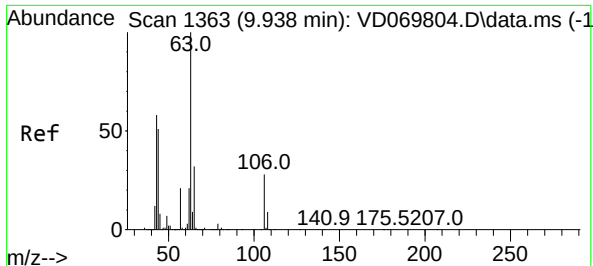
Tgt Ion: 98 Resp: 1482059
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.909 ug/l
RT: 10.685 min Scan# 1490
Delta R.T. 0.030 min
Lab File: VD069988.D
Acq: 04 Aug 2021 16:12

Tgt Ion: 69 Resp: 121
Ion Ratio Lower Upper
69 100
41 149.6 50.2 75.2#
39 45.5 22.0 33.0#

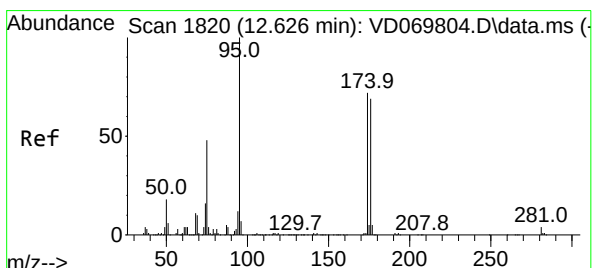
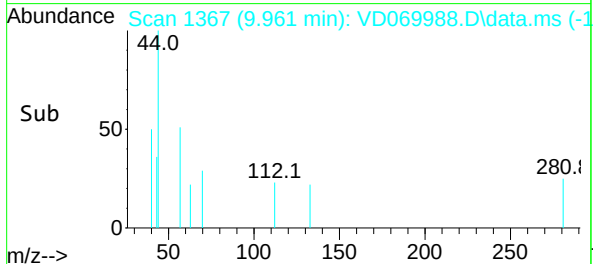
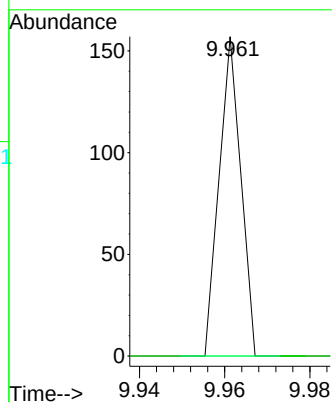
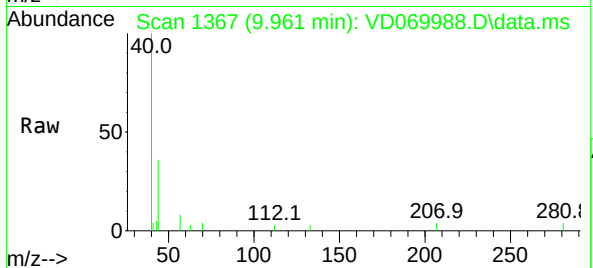




#58
2-Chloroethyl Vinyl ether
Concen: 20.884 ug/l
RT: 9.961 min Scan# 1367
Delta R.T. 0.023 min
Lab File: VD069988.D
Acq: 04 Aug 2021 16:12

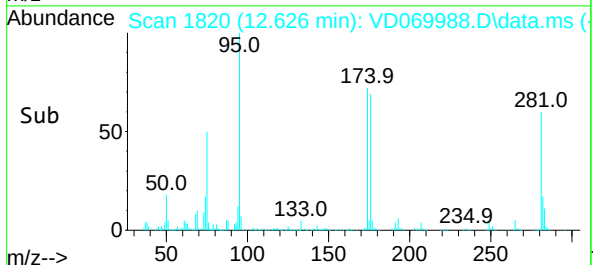
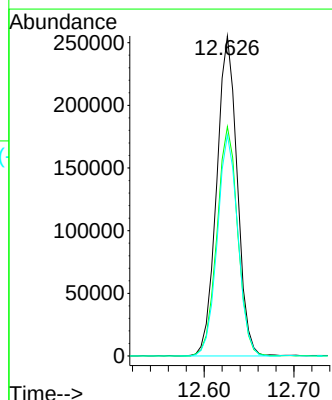
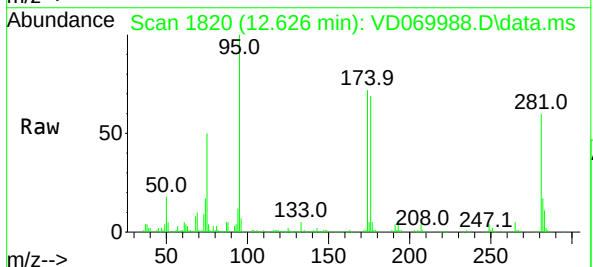
Instrument :
MSVOA_D
ClientSampleId :
20210471-57

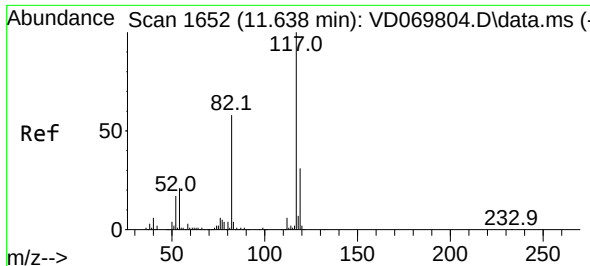
Tgt Ion: 63 Resp: 55
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#



#62
4-Bromofluorobenzene
Concen: 42.321 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069988.D
Acq: 04 Aug 2021 16:12

Tgt Ion: 95 Resp: 406063
Ion Ratio Lower Upper
95 100
174 72.3 0.0 142.6
176 68.8 0.0 134.2

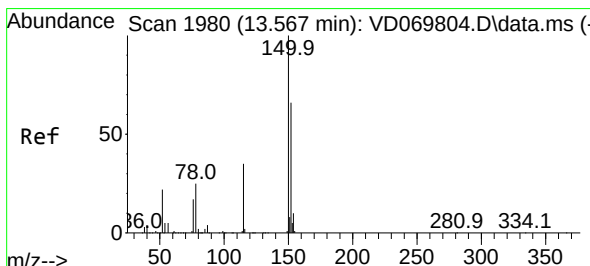
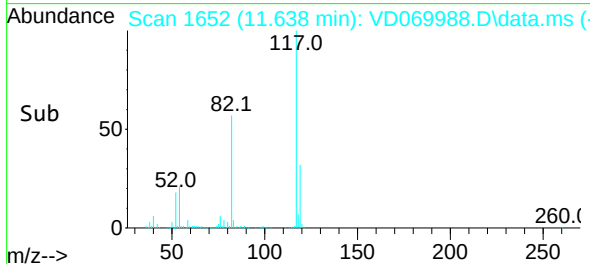
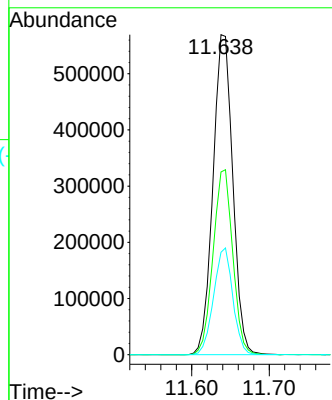
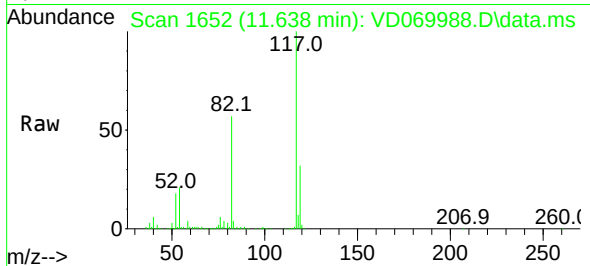




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069988.D
Acq: 04 Aug 2021 16:12

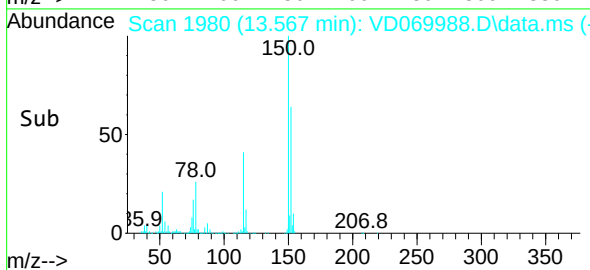
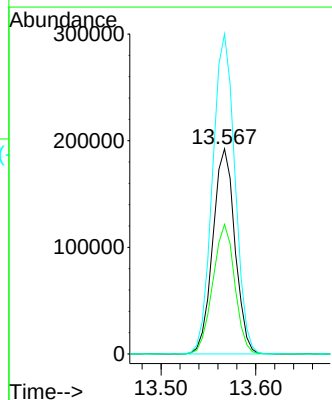
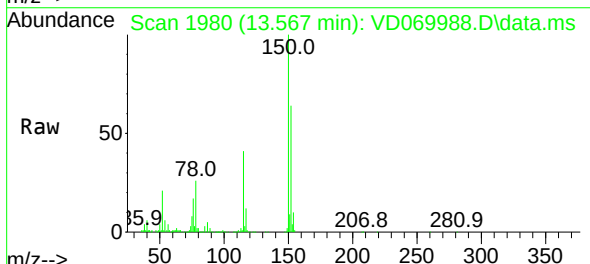
Instrument :
MSVOA_D
ClientSampleId :
20210471-57

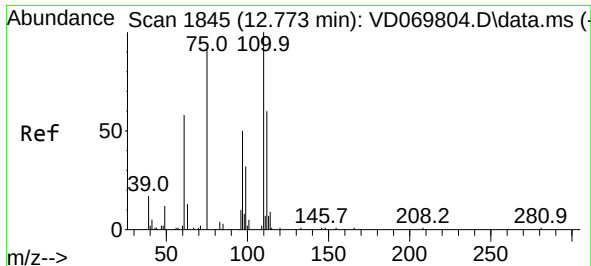
Tgt Ion:117 Resp: 1011225
Ion Ratio Lower Upper
117 100
82 57.1 46.3 69.5
119 32.0 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069988.D
Acq: 04 Aug 2021 16:12

Tgt Ion:152 Resp: 312295
Ion Ratio Lower Upper
152 100
115 62.7 31.1 93.3
150 157.9 0.0 343.0

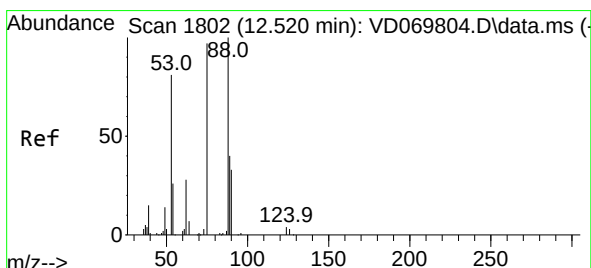
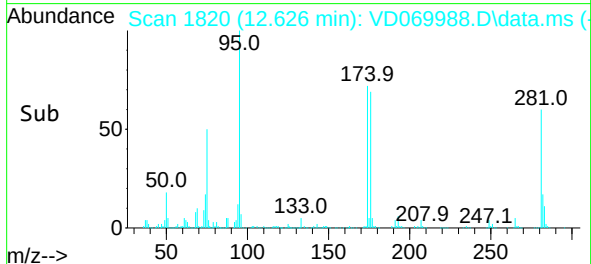
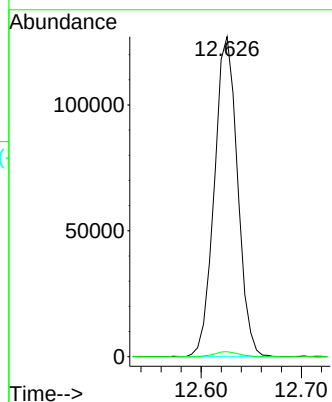
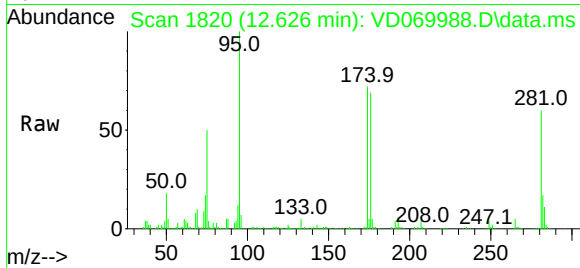




#76
1,2,3-Trichloropropane
Concen: 61.446 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069988.D
Acq: 04 Aug 2021 16:12

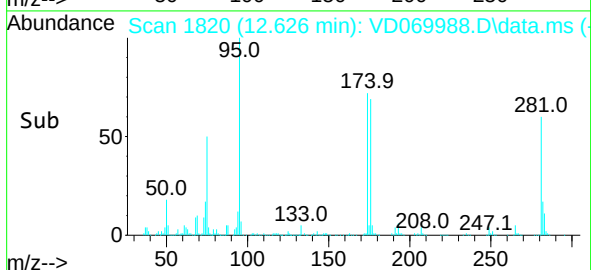
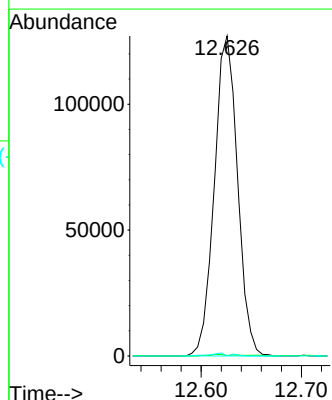
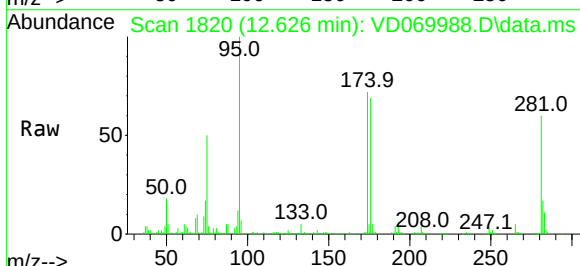
Instrument :
MSVOA_D
ClientSampleId :
20210471-57

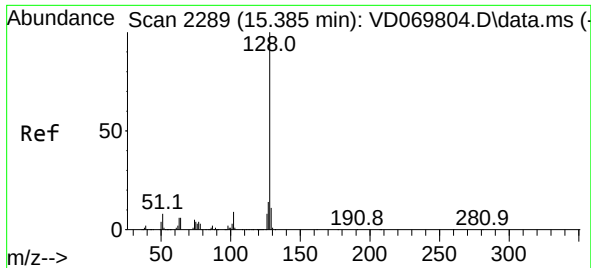
Tgt Ion: 75 Resp: 203967
Ion Ratio Lower Upper
75 100
77 1.6 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 186.410 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069988.D
Acq: 04 Aug 2021 16:12

Tgt Ion: 75 Resp: 203967
Ion Ratio Lower Upper
75 100
53 0.3 67.2 100.8#
89 0.7 35.8 53.6#





#95
Naphthalene
Concen: 5.174 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD069988.D
Acq: 04 Aug 2021 16:12

Instrument :
MSVOA_D
ClientSampleId :
20210471-57

Tgt Ion:128 Resp: 1985
Ion Ratio Lower Upper
128 100
127 4.0 10.6 16.0#
129 6.0 8.6 12.8#

