

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080321\
 Data File : VD069962.D
 Acq On : 03 Aug 2021 13:19
 Operator : VA/SY
 Sample : M3268-03
 Misc : 7.59G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 01:31:56 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)

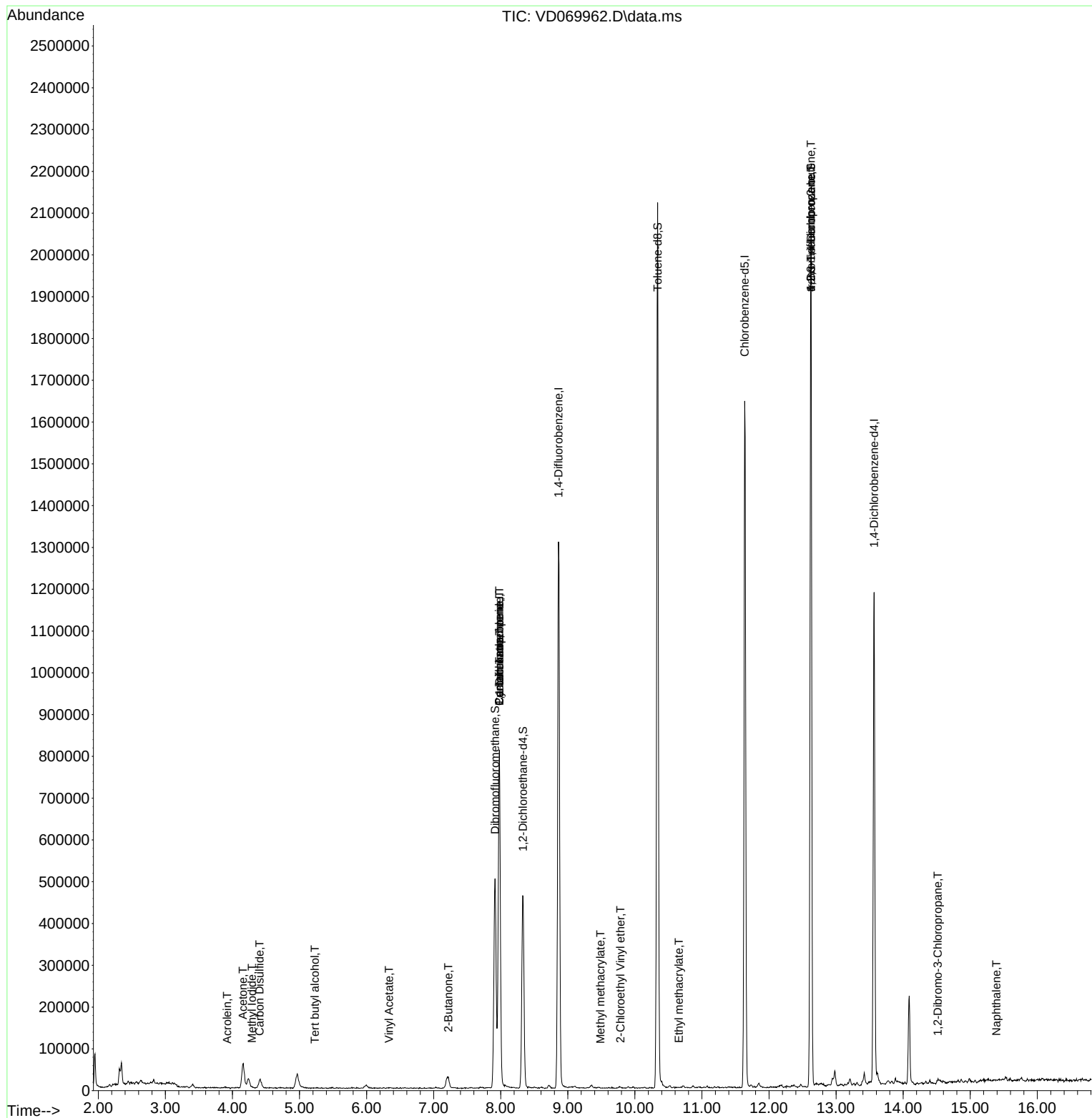
Internal Standards						
1) Pentafluorobenzene	7.979	168	547925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1125970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	963305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	309393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	372394	59.095	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.180%
35) Dibromofluoromethane	7.914	113	375667	52.925	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.840%
50) Toluene-d8	10.338	98	1414035	51.664	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.320%
62) 4-Bromofluorobenzene	12.626	95	406095	44.396	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.800%
Target Compounds						
					Qvalue	
5) Bromomethane	2.774	94	2669	Below Cal	#	74
10) Methyl Iodide	4.291	142	749	3.565	ug/l #	42
11) Tert butyl alcohol	5.226	59	597	1.831	ug/l #	73
13) Acrolein	3.921	56	831	1.821	ug/l #	14
16) Acetone	4.156	43	100475	88.263	ug/l	97
17) Carbon Disulfide	4.403	76	40713	1.816	ug/l #	95
20) Methylene Chloride	4.973	84	26665	Below Cal	#	85
23) Vinyl Acetate	6.332	43	116	20.359	ug/l #	71
25) 2-Butanone	7.220	43	32761	21.222	ug/l	99
31) Cyclohexane	7.979	56	14211	1.154	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	52246	4.300	ug/l #	49
38) Carbon Tetrachloride	7.979	117	59412	5.353	ug/l #	16
48) Methyl methacrylate	9.485	41	401	2.837	ug/l #	35
56) Ethyl methacrylate	10.655	69	232	3.923	ug/l #	26
58) 2-Chloroethyl Vinyl ether	9.785	63	56	20.885	ug/l #	48
76) 1,2,3-Trichloropropane	12.626	75	205386	62.454	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	205386	189.468	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.514	75	1036	1.621	ug/l #	7
95) Naphthalene	15.390	128	2236	5.198	ug/l #	86

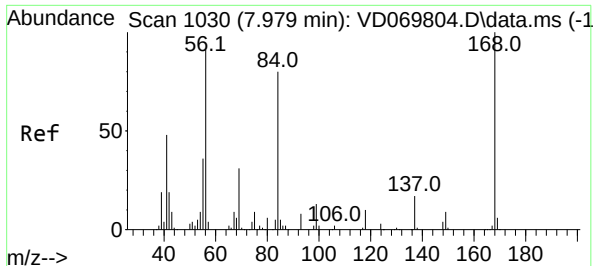
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 23 04:51:13 2021
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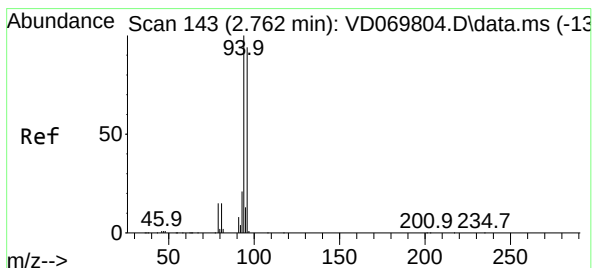
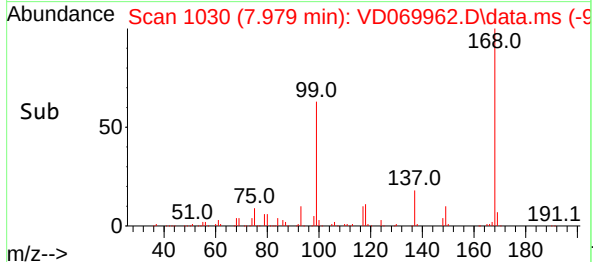
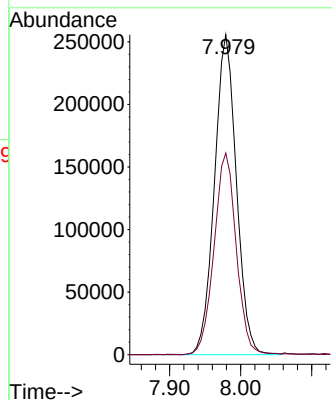
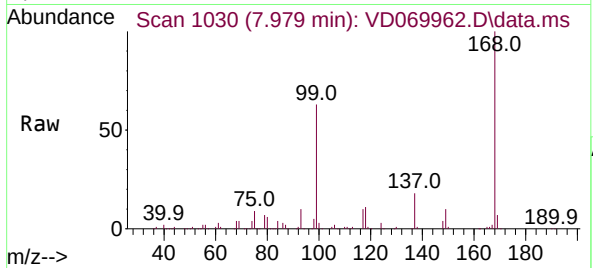




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069962.D
Acq: 03 Aug 2021 13:19

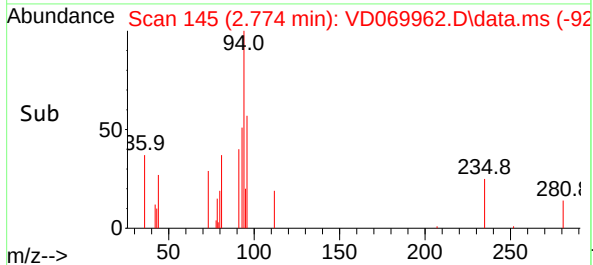
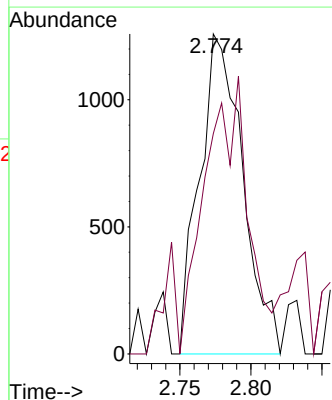
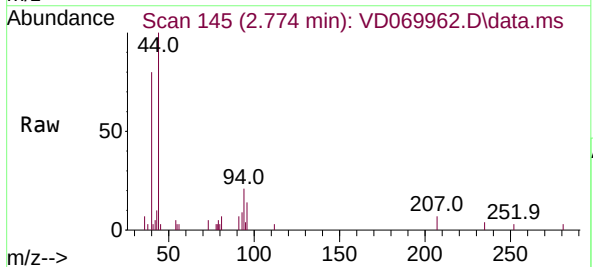
Instrument :
MSVOA_D
ClientSampleId :

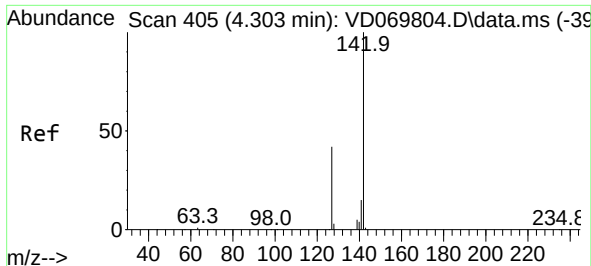
Tgt Ion:168 Resp: 547925
Ion Ratio Lower Upper
168 100
99 63.0 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.012 min
Lab File: VD069962.D
Acq: 03 Aug 2021 13:19

Tgt Ion: 94 Resp: 2669
Ion Ratio Lower Upper
94 100
96 68.9 74.8 112.2#





#10

Methyl Iodide

Concen: 3.565 ug/l

RT: 4.291 min Scan# 403

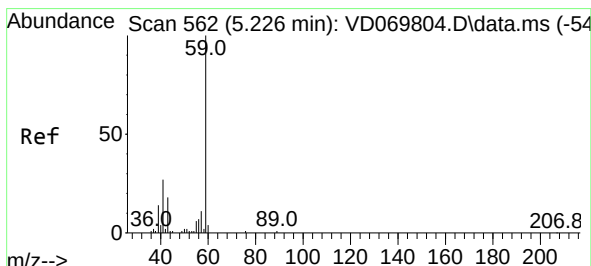
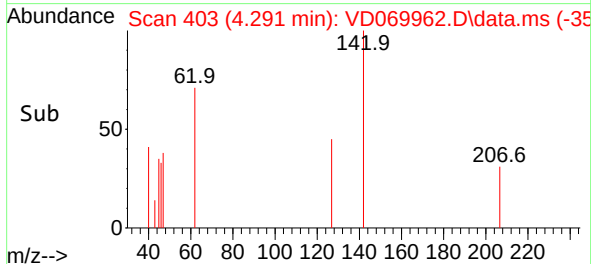
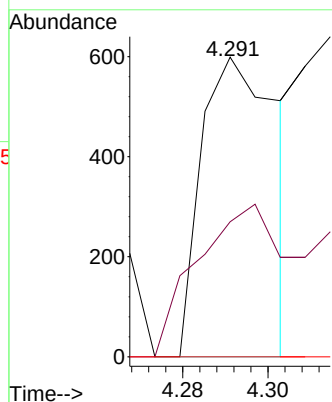
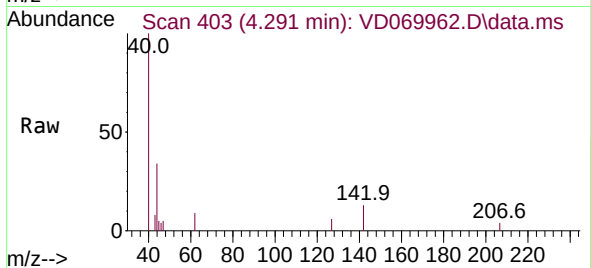
Delta R.T. -0.012 min

Lab File: VD069962.D

Acq: 03 Aug 2021 13:19

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:	142	Resp:	749
Ion	Ratio	Lower	Upper
142	100		
127	87.0	35.7	53.5#
141	0.0	12.0	18.0#



#11

Tert butyl alcohol

Concen: 1.831 ug/l

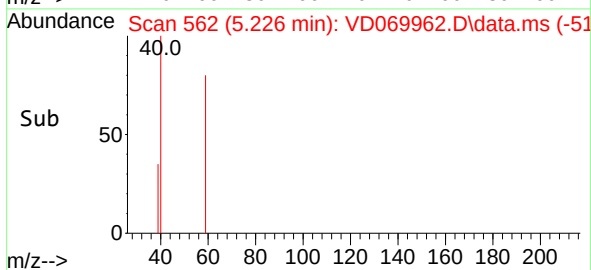
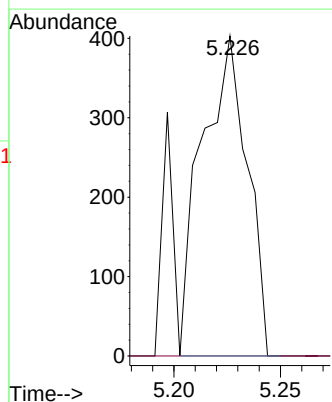
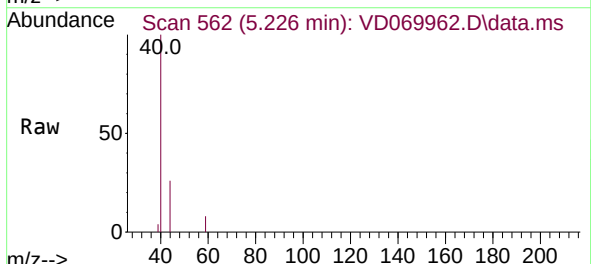
RT: 5.226 min Scan# 562

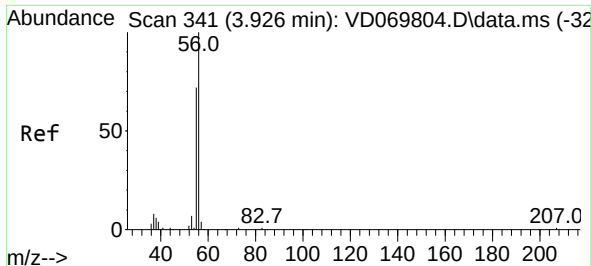
Delta R.T. -0.000 min

Lab File: VD069962.D

Acq: 03 Aug 2021 13:19

Tgt Ion:	59	Resp:	597
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.1	12.1#

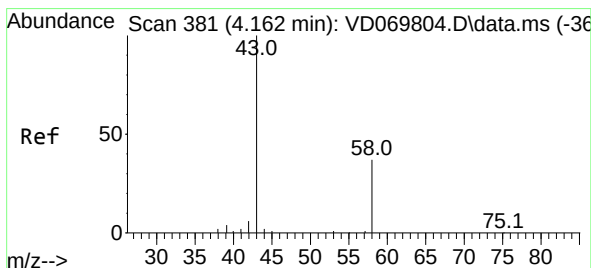
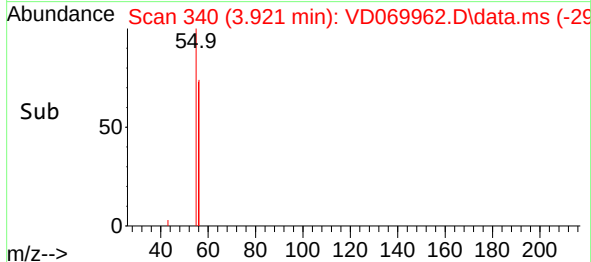
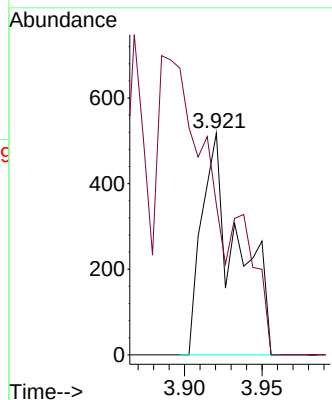
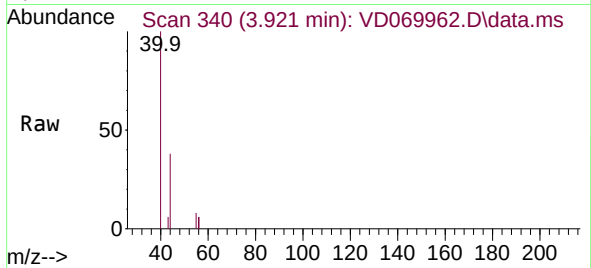




#13
Acrolein
Concen: 1.821 ug/l
RT: 3.921 min Scan# 340
Delta R.T. -0.006 min
Lab File: VD069962.D
Acq: 03 Aug 2021 13:19

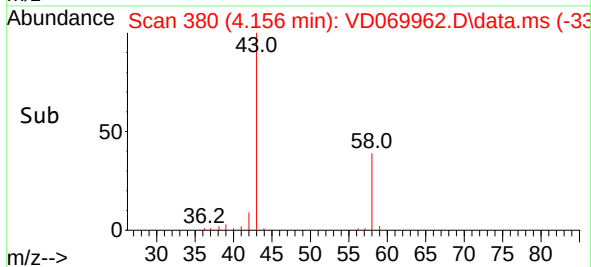
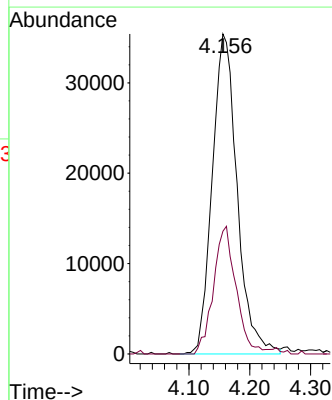
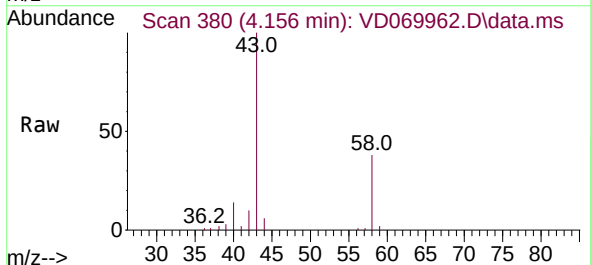
Instrument :
MSVOA_D
ClientSampleId :

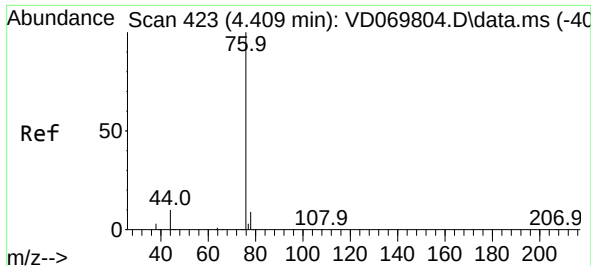
Tgt Ion: 56 Resp: 831
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#



#16
Acetone
Concen: 88.263 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069962.D
Acq: 03 Aug 2021 13:19

Tgt Ion: 43 Resp: 100475
Ion Ratio Lower Upper
43 100
58 38.3 29.4 44.0

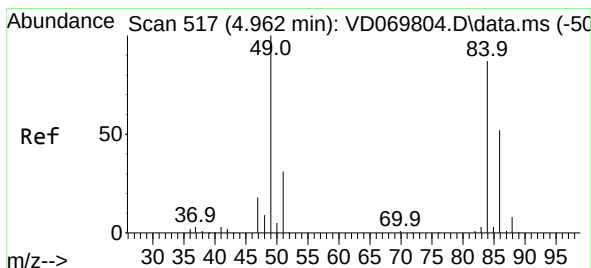
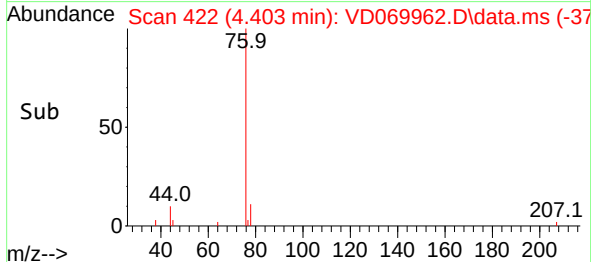
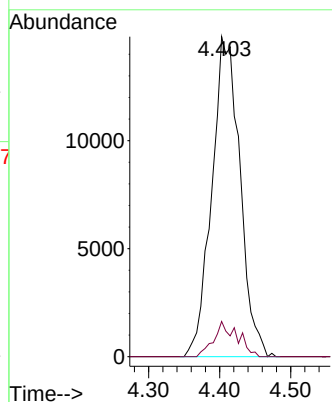
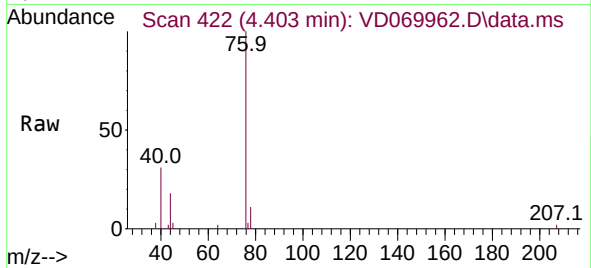




#17
Carbon Disulfide
Concen: 1.816 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD069962.D
Acq: 03 Aug 2021 13:19

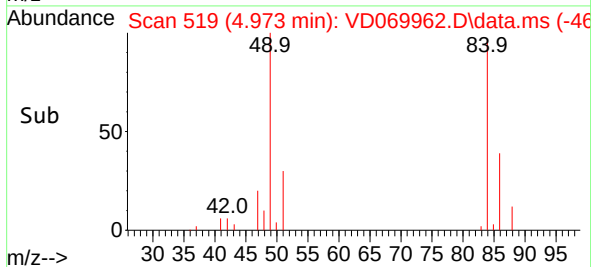
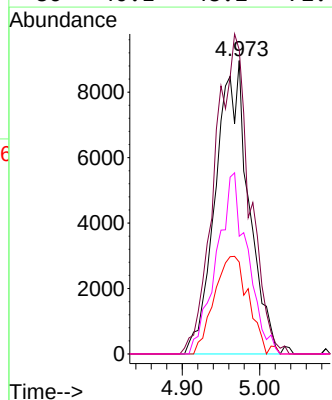
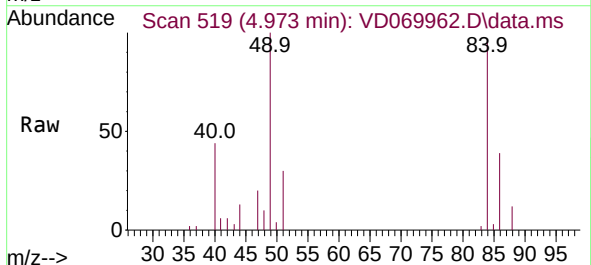
Instrument :
MSVOA_D
ClientSampled :

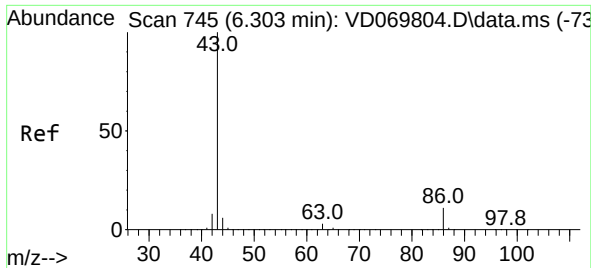
Tgt Ion: 76 Resp: 40713
Ion Ratio Lower Upper
76 100
78 11.0 7.3 10.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD069962.D
Acq: 03 Aug 2021 13:19

Tgt Ion: 84 Resp: 26665
Ion Ratio Lower Upper
84 100
49 103.6 92.4 138.6
51 31.3 28.5 42.7
86 40.1 48.2 72.4#

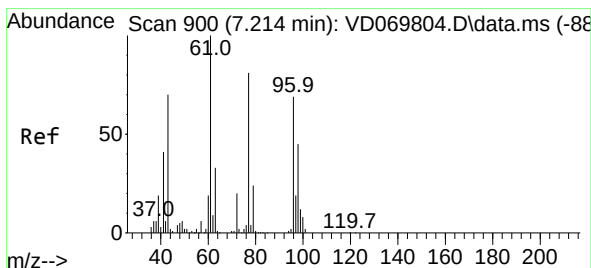
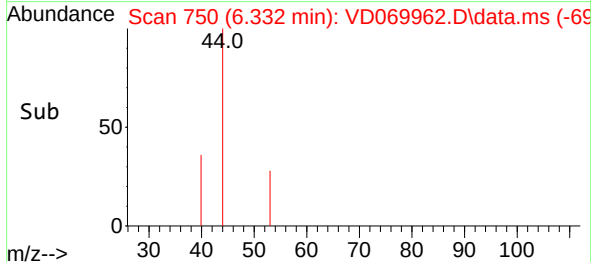
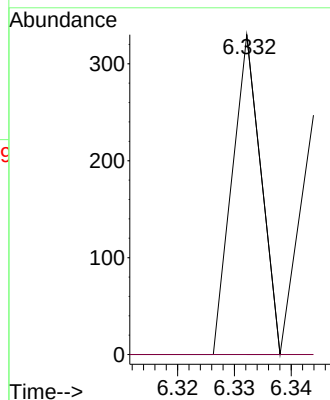
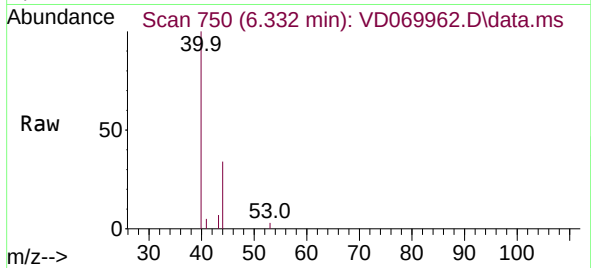




#23
 Vinyl Acetate
 Concen: 20.359 ug/l
 RT: 6.332 min Scan# 750
 Delta R.T. 0.029 min
 Lab File: VD069962.D
 Acq: 03 Aug 2021 13:19

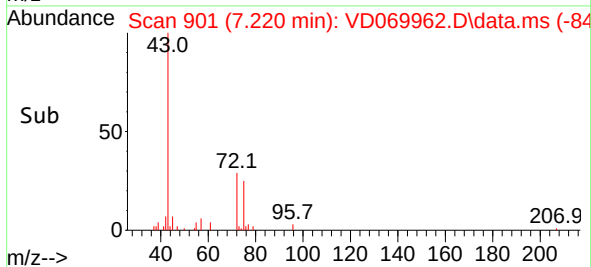
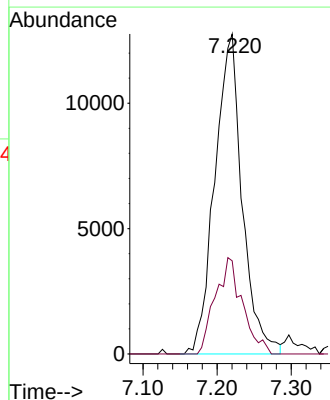
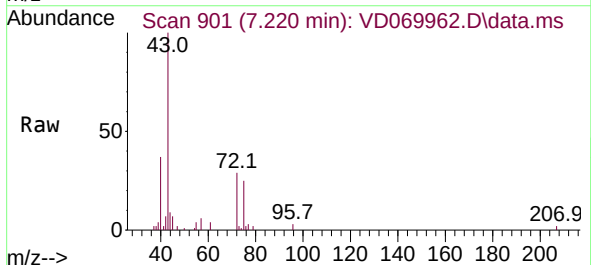
Instrument :
 MSVOA_D
 ClientSampled :

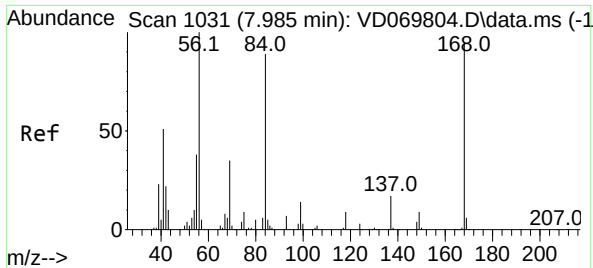
Tgt Ion: 43 Resp: 116
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 21.222 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.006 min
 Lab File: VD069962.D
 Acq: 03 Aug 2021 13:19

Tgt Ion: 43 Resp: 32761
 Ion Ratio Lower Upper
 43 100
 72 29.1 22.8 34.2

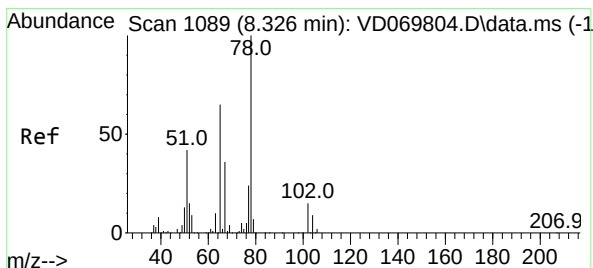
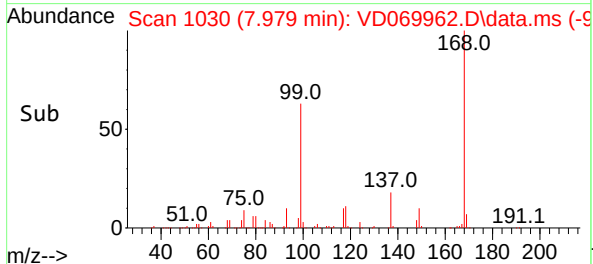
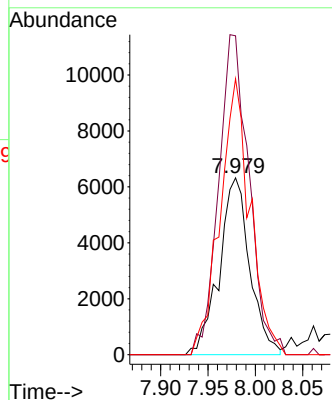
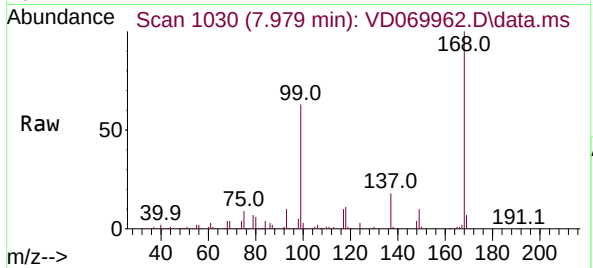




#31
Cyclohexane
Concen: 1.154 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069962.D
Acq: 03 Aug 2021 13:19

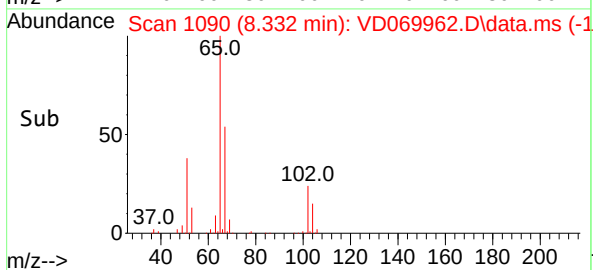
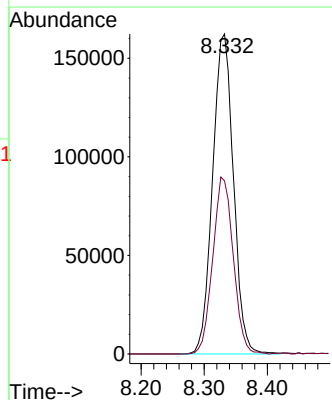
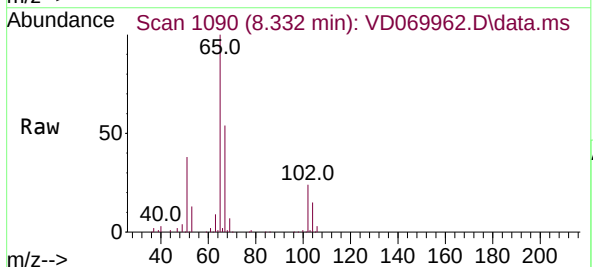
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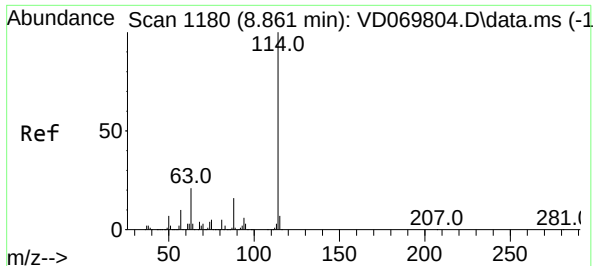
Tgt Ion: 56 Resp: 14211
Ion Ratio Lower Upper
56 100
69 180.3 27.9 41.9#
84 155.9 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 59.095 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069962.D
Acq: 03 Aug 2021 13:19

Tgt Ion: 65 Resp: 372394
Ion Ratio Lower Upper
65 100
67 54.4 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: VD069962.D

Acq: 03 Aug 2021 13:19

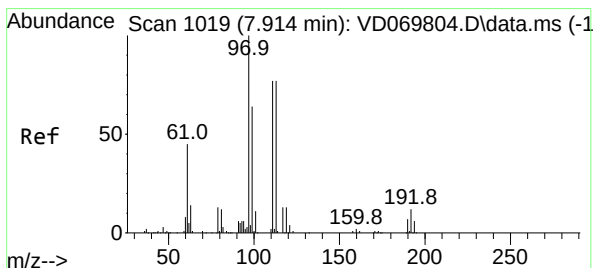
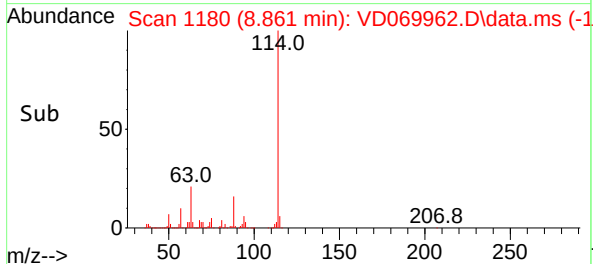
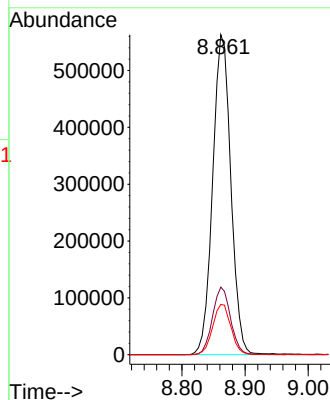
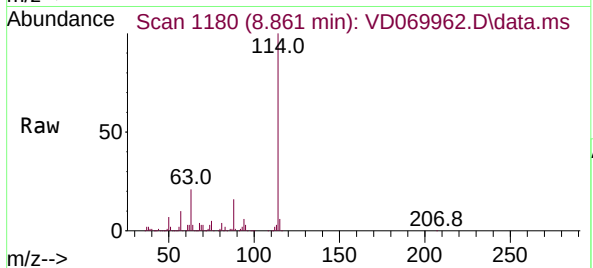
Tgt Ion:114 Resp: 1125970

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.6

88 15.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.925 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069962.D

Acq: 03 Aug 2021 13:19

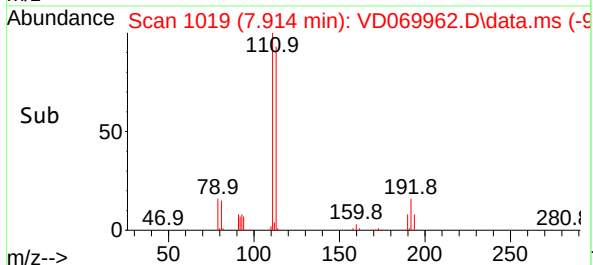
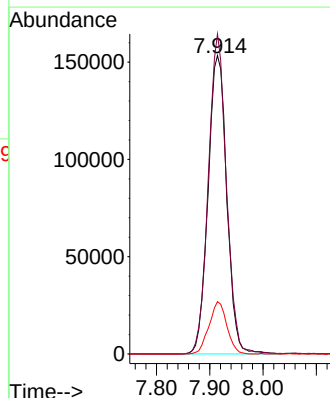
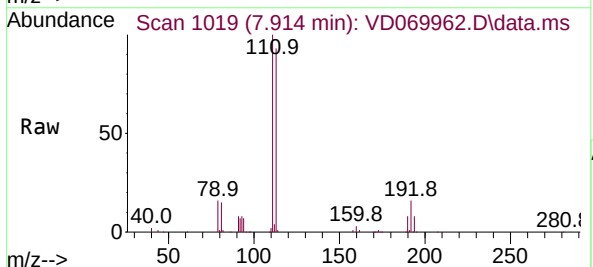
Tgt Ion:113 Resp: 375667

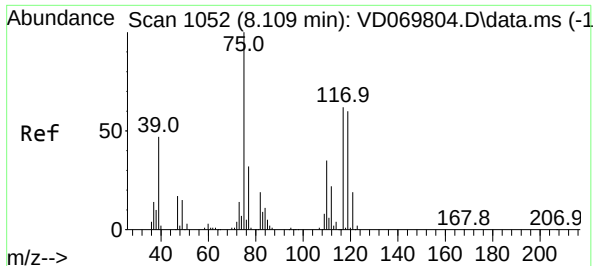
Ion Ratio Lower Upper

113 100

111 103.4 80.5 120.7

192 16.7 12.6 19.0

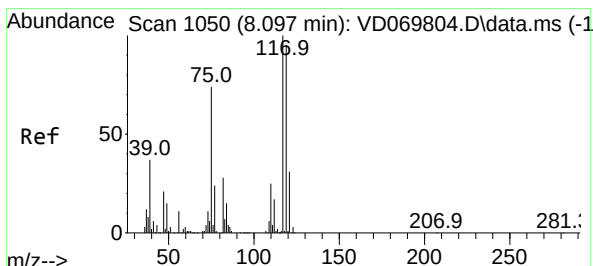
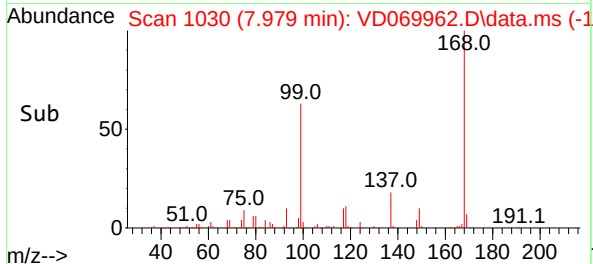
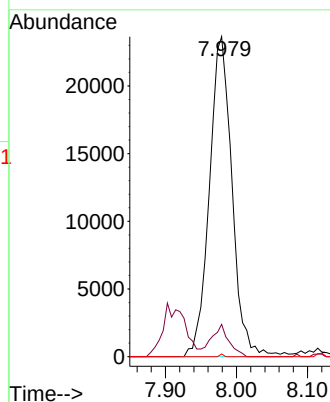
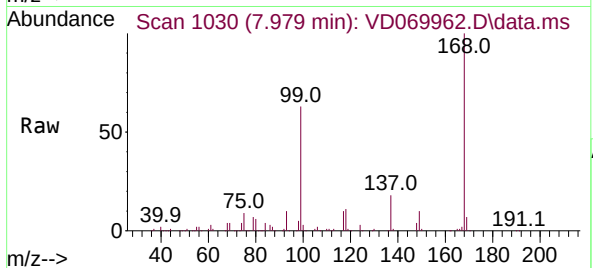




#36
1,1-Dichloropropene
Concen: 4.300 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069962.D
Acq: 03 Aug 2021 13:19

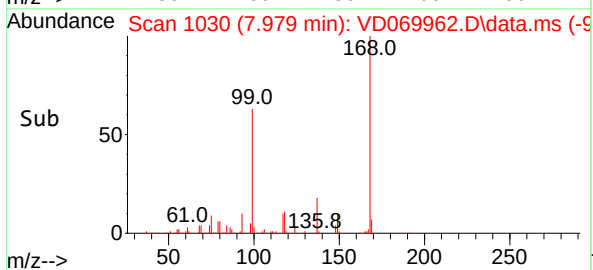
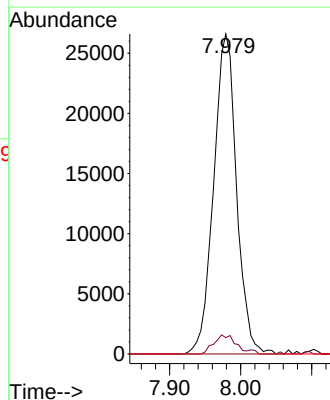
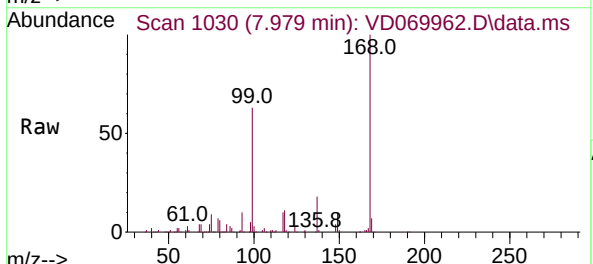
Instrument :
MSVOA_D
ClientSampleId :

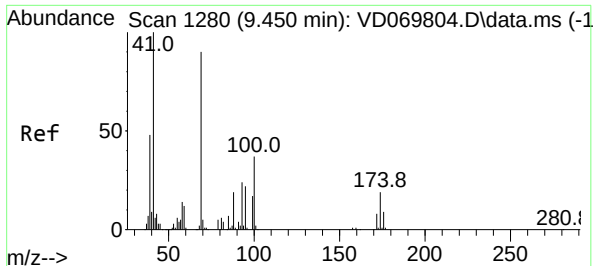
Tgt Ion: 75 Resp: 52246
Ion Ratio Lower Upper
75 100
110 7.7 16.9 50.7#
77 0.1 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.353 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069962.D
Acq: 03 Aug 2021 13:19

Tgt Ion: 117 Resp: 59412
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.2#
121 0.0 24.5 36.7#





#48

Methyl methacrylate

Concen: 2.837 ug/l

RT: 9.485 min Scan# 1286

Delta R.T. 0.035 min

Lab File: VD069962.D

Acq: 03 Aug 2021 13:19

Instrument :

MSVOA_D

ClientSampled :

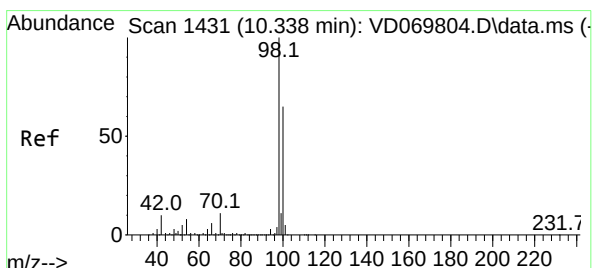
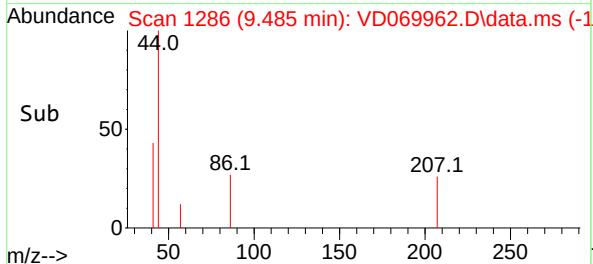
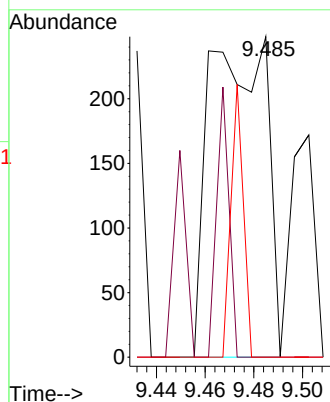
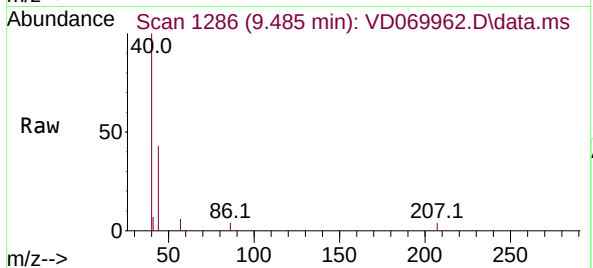
Tgt Ion: 41 Resp: 401

Ion Ratio Lower Upper

41 100

69 18.5 73.4 110.2#

39 18.5 36.6 55.0#



#50

Toluene-d8

Concen: 51.664 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD069962.D

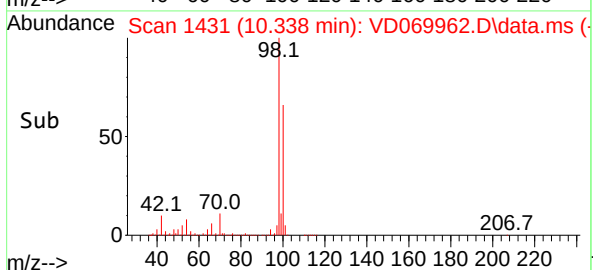
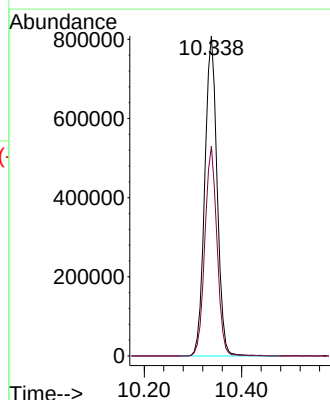
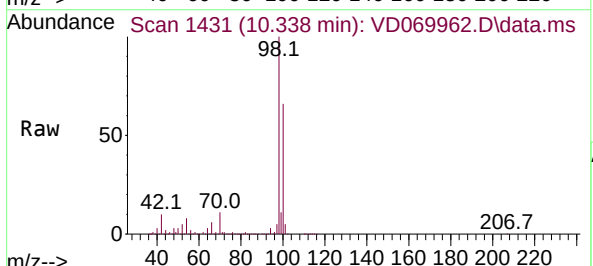
Acq: 03 Aug 2021 13:19

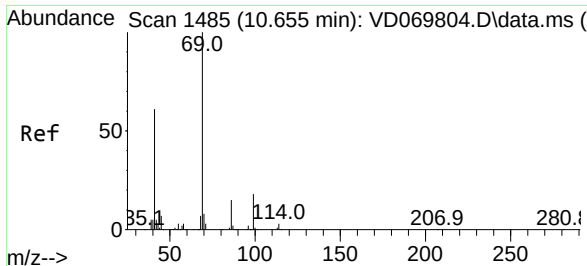
Tgt Ion: 98 Resp: 1414035

Ion Ratio Lower Upper

98 100

100 64.6 51.9 77.9

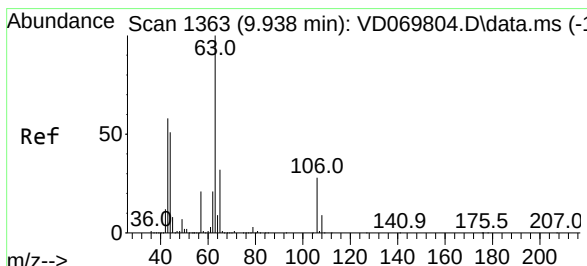
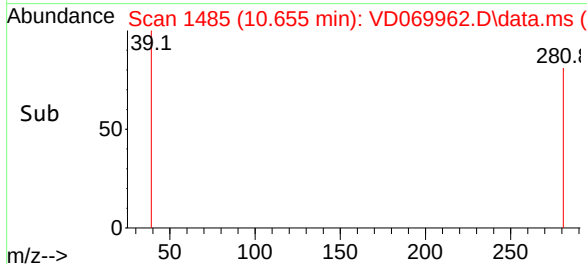
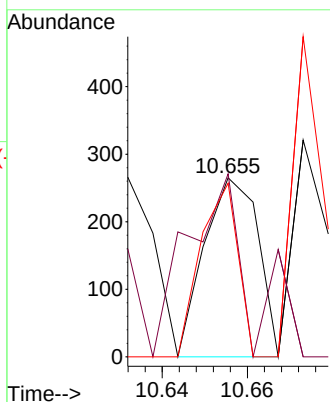
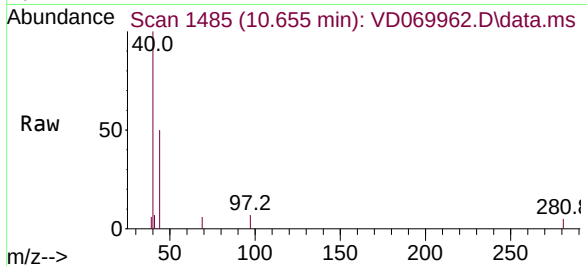




#56
Ethyl methacrylate
Concen: 3.923 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD069962.D
Acq: 03 Aug 2021 13:19

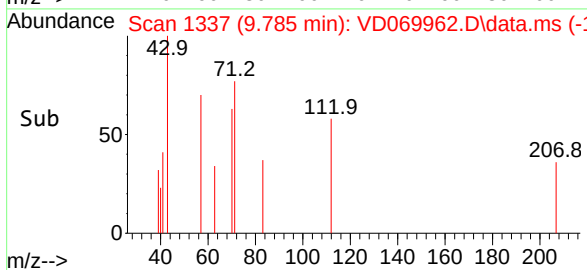
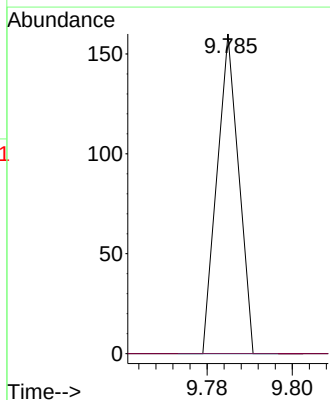
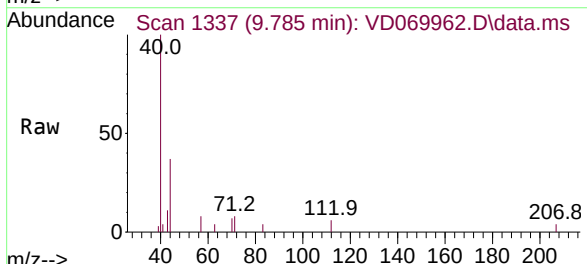
Instrument :
MSVOA_D
ClientSampleId :

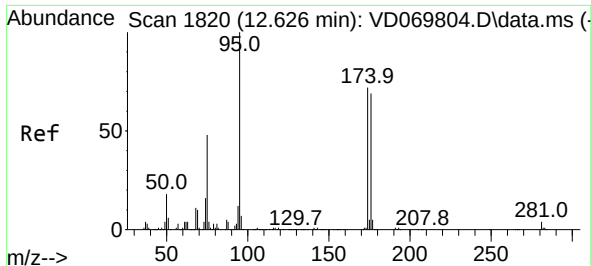
Tgt Ion: 69 Resp: 232
Ion Ratio Lower Upper
69 100
41 119.4 50.2 75.2#
39 67.2 22.0 33.0#



#58
2-Chloroethyl Vinyl ether
Concen: 20.885 ug/l
RT: 9.785 min Scan# 1337
Delta R.T. -0.153 min
Lab File: VD069962.D
Acq: 03 Aug 2021 13:19

Tgt Ion: 63 Resp: 56
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#

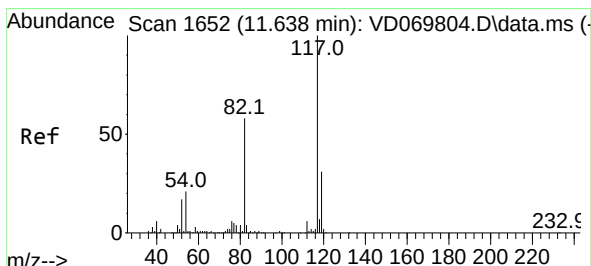
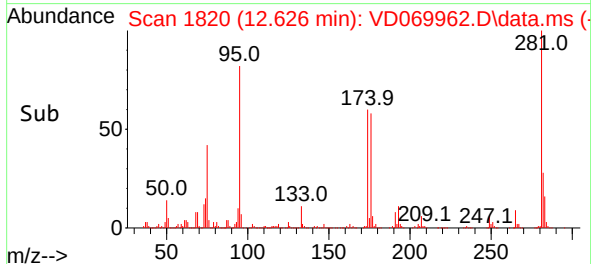
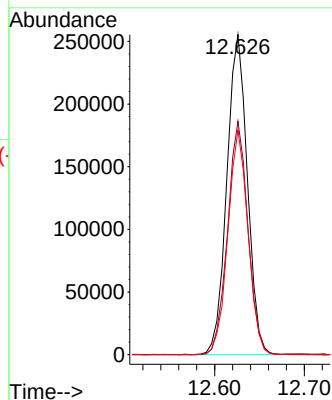
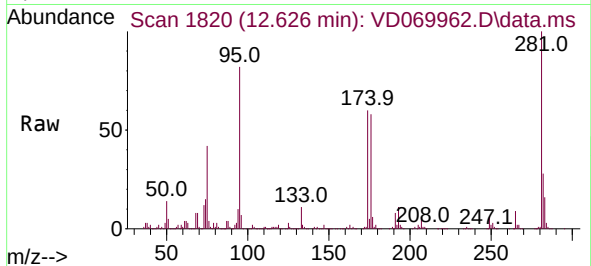




#62
4-Bromofluorobenzene
Concen: 44.396 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069962.D
Acq: 03 Aug 2021 13:19

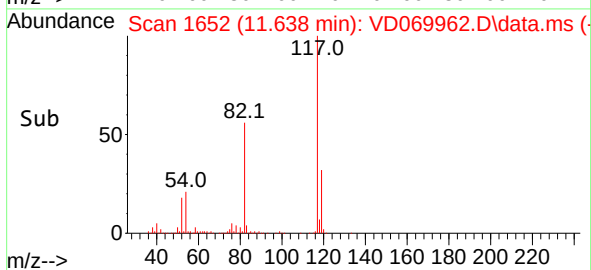
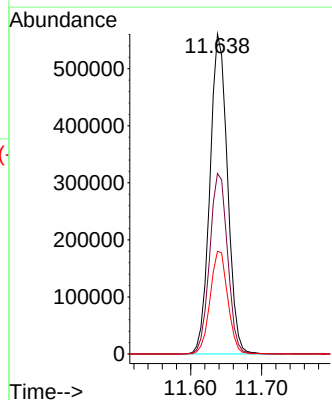
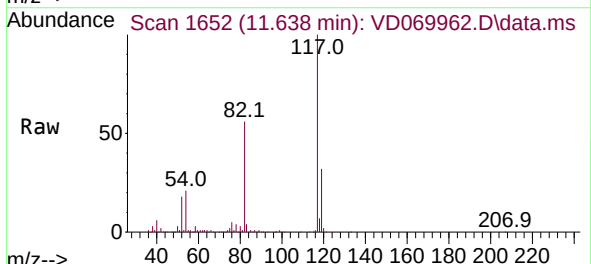
Instrument :
MSVOA_D
ClientSampleId :

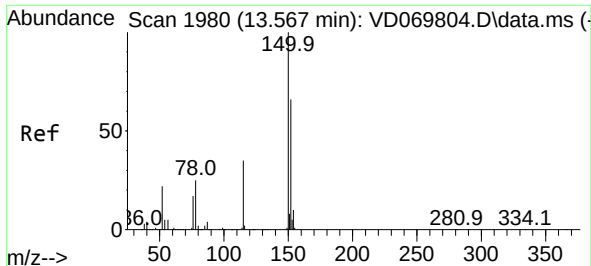
Tgt Ion: 95 Resp: 406095
Ion Ratio Lower Upper
95 100
174 72.3 0.0 142.6
176 68.7 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069962.D
Acq: 03 Aug 2021 13:19

Tgt Ion: 117 Resp: 963305
Ion Ratio Lower Upper
117 100
82 56.4 46.3 69.5
119 32.1 24.7 37.1

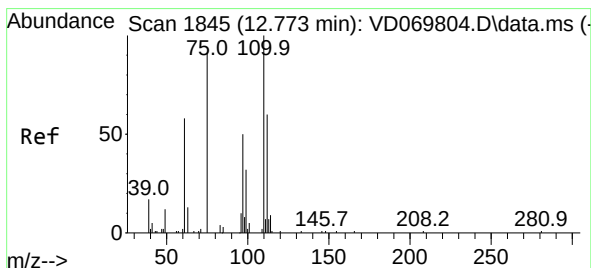
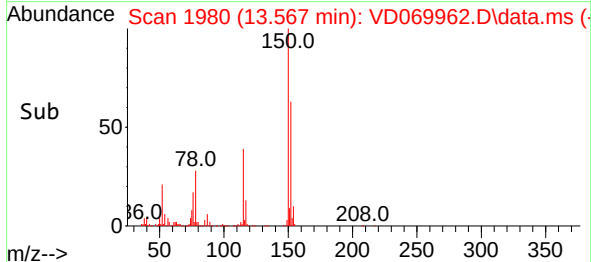
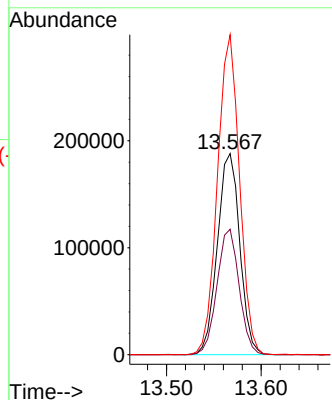
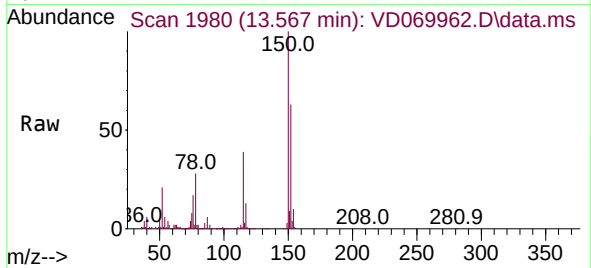




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069962.D
 Acq: 03 Aug 2021 13:19

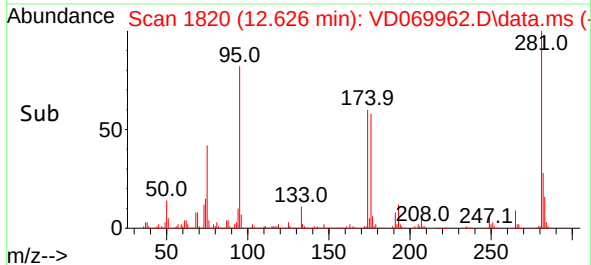
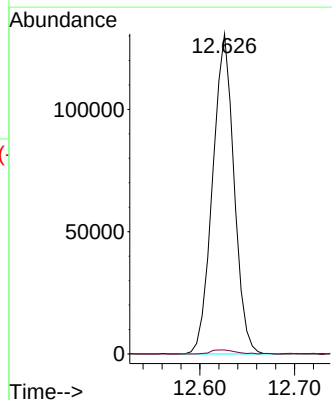
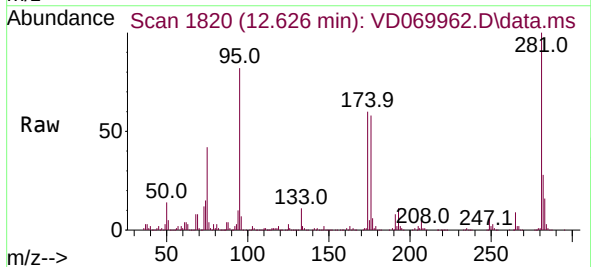
Instrument :
 MSVOA_D
 ClientSampleId :

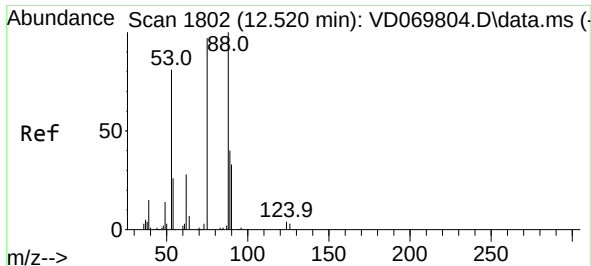
Tgt Ion:152 Resp: 309393
 Ion Ratio Lower Upper
 152 100
 115 61.7 31.1 93.3
 150 156.3 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 62.454 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069962.D
 Acq: 03 Aug 2021 13:19

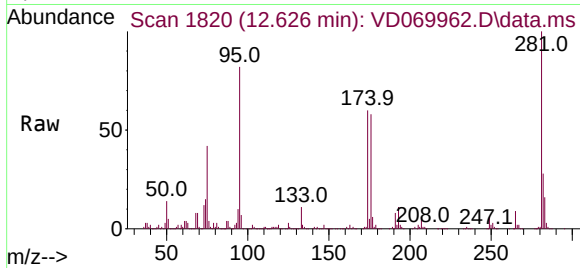
Tgt Ion: 75 Resp: 205386
 Ion Ratio Lower Upper
 75 100
 77 1.5 181.5 544.5#



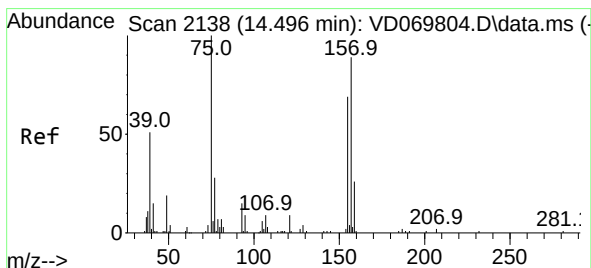
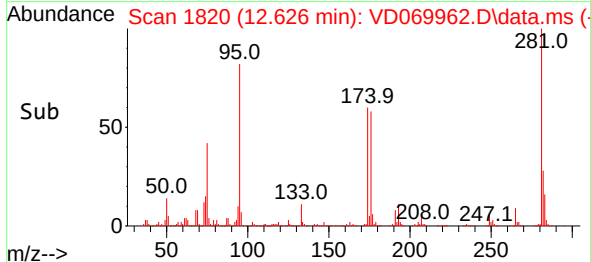
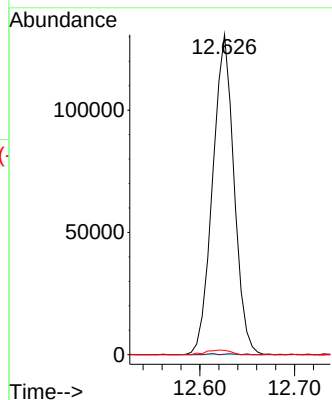


#81
 trans-1,4-Dichloro-2-butene
 Concen: 189.468 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069962.D
 Acq: 03 Aug 2021 13:19

Instrument :
 MSVOA_D
 ClientSampleId :

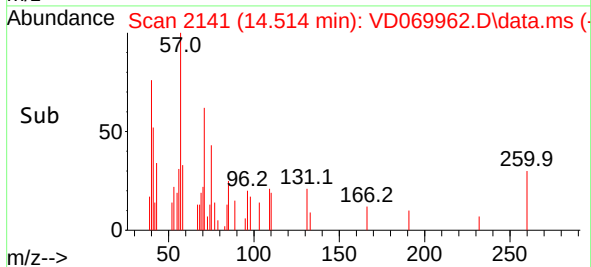
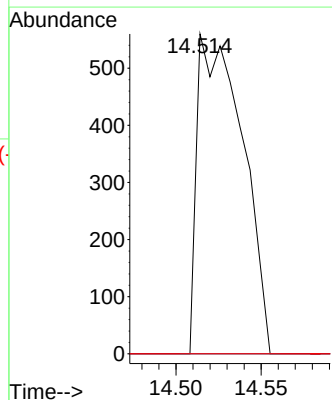
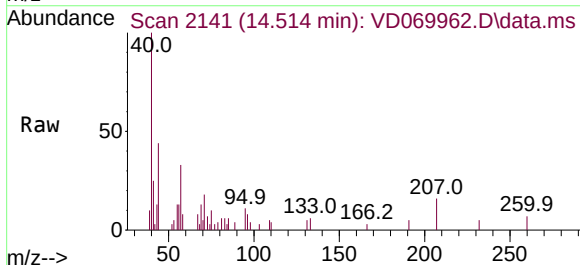


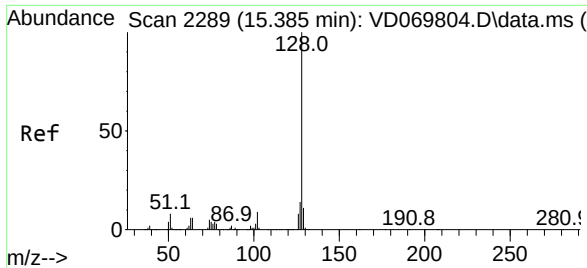
Tgt Ion: 75 Resp: 205386
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.2 100.8#
 89 1.7 35.8 53.6#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.621 ug/l
 RT: 14.514 min Scan# 2141
 Delta R.T. 0.018 min
 Lab File: VD069962.D
 Acq: 03 Aug 2021 13:19

Tgt Ion: 75 Resp: 1036
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.3 108.9#
 157 0.0 47.0 141.0#





#95
Naphthalene
Concen: 5.198 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD069962.D
Acq: 03 Aug 2021 13:19

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	16.3	10.6	16.0#
129	2.6	8.6	12.8#

