

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080921\
 Data File : VD070011.D
 Acq On : 09 Aug 2021 22:14
 Operator : VA/SY
 Sample : M3324-02
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 10 07:08:12 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

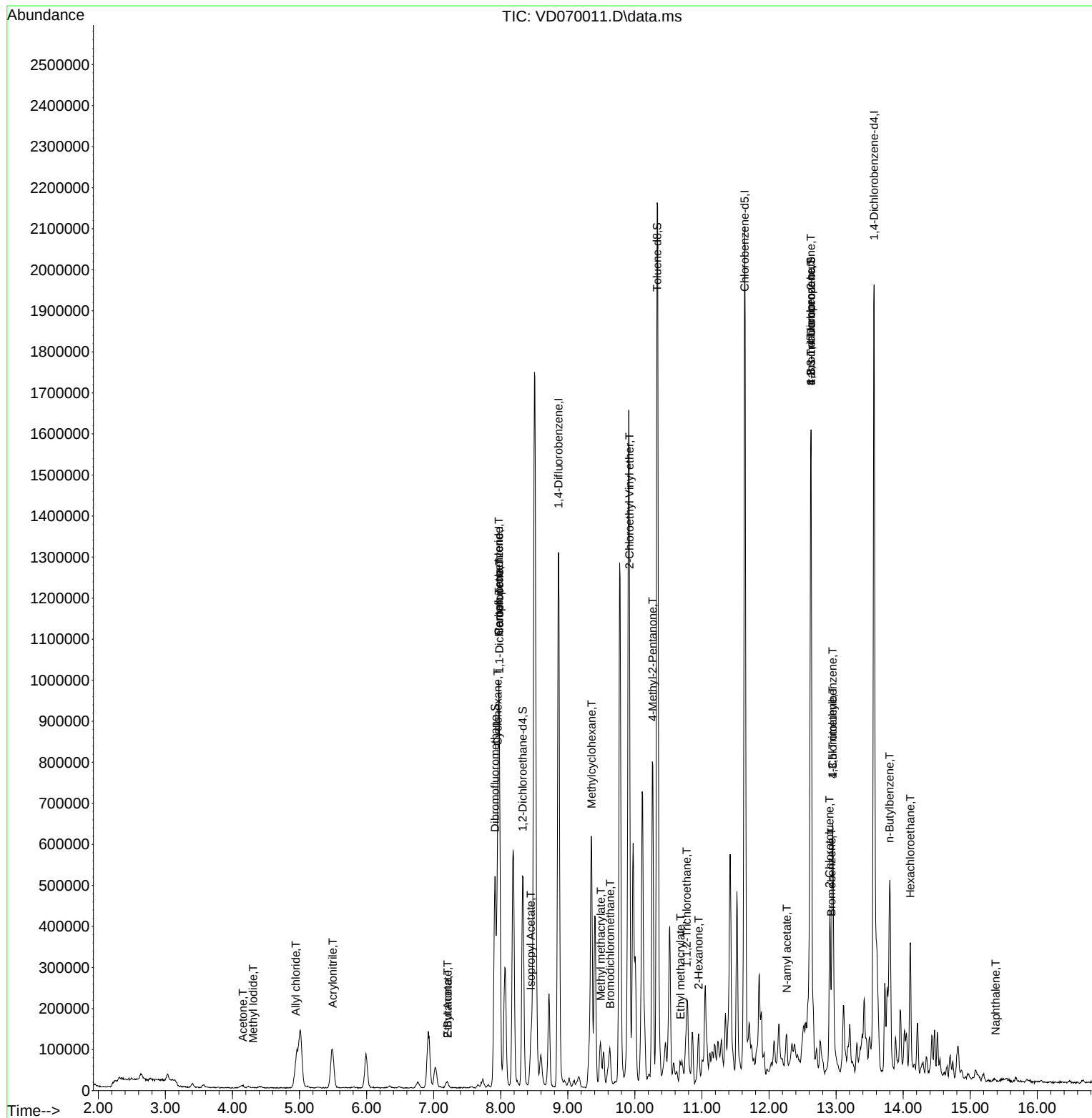
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.973	168	540316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1091664	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1139799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	504283	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	412517	66.384	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.760%	
35) Dibromofluoromethane	7.914	113	364939	53.029	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.060%	
50) Toluene-d8	10.332	98	1437398	54.168	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.340%	
62) 4-Bromofluorobenzene	12.626	95	541064	61.010	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 122.020%	
Target Compounds						Qvalue
5) Bromomethane	2.779	94	2920	Below Cal		99
10) Methyl Iodide	4.309	142	896	3.587	ug/l #	46
14) Allyl chloride	4.944	41	15145	1.671	ug/l #	68
15) Acrylonitrile	5.497	53	4974	3.509	ug/l #	22
16) Acetone	4.156	43	5800	5.167	ug/l #	67
20) Methylene Chloride	4.962	84	46066	Below Cal		96
25) 2-Butanone	7.209	43	4912	3.227	ug/l #	46
31) Cyclohexane	7.956	56	122859	10.119	ug/l #	43
36) 1,1-Dichloropropene	7.979	75	47749	4.053	ug/l #	50
37) Ethyl Acetate	7.209	43	4912	1.145	ug/l #	73
38) Carbon Tetrachloride	7.973	117	58862	5.470	ug/l #	16
39) Methylcyclohexane	9.355	83	85181	6.313	ug/l #	69
43) Isopropyl Acetate	8.450	43	26628	3.462	ug/l #	47
47) Bromodichloromethane	9.632	83	14852	1.297	ug/l #	28
48) Methyl methacrylate	9.491	41	25378	8.603	ug/l #	33
51) 4-Methyl-2-Pentanone	10.267	43	85136	21.270	ug/l #	78
55) 1,1,2-Trichloroethane	10.773	97	33173	5.330	ug/l #	37
56) Ethyl methacrylate	10.679	69	3274	4.288	ug/l #	12
58) 2-Chloroethyl Vinyl ether	9.920	63	2947	21.668	ug/l #	48
59) 2-Hexanone	10.950	43	41215	15.567	ug/l #	28
74) N-amyl acetate	12.267	43	24385	3.272	ug/l #	59
76) 1,2,3-Trichloropropane	12.626	75	270619	50.487	ug/l #	1
77) Bromobenzene	12.932	156	19528	2.393	ug/l #	61
79) 2-Chlorotoluene	12.902	91	28095	1.039	ug/l #	44
80) 1,3,5-Trimethylbenzene	12.949	105	256677	8.281	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.626	75	270619	153.165	ug/l #	16
82) 4-Chlorotoluene	12.949	91	28915	1.023	ug/l #	47
89) n-Butylbenzene	13.796	91	54079	1.693	ug/l #	1
90) Hexachloroethane	14.108	117	18897	2.756	ug/l #	18
95) Naphthalene	15.379	128	1585	5.085	ug/l #	77

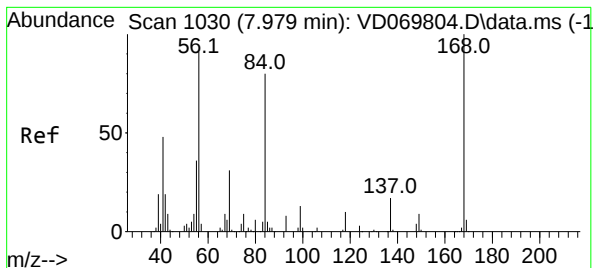
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080921\
Data File : VD070011.D
Acq On : 09 Aug 2021 22:14
Operator : VA/SY
Sample : M3324-02
Misc : 5.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Aug 10 07:08:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 23 04:51:13 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD070011.D

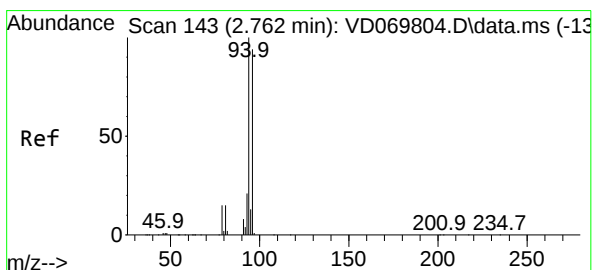
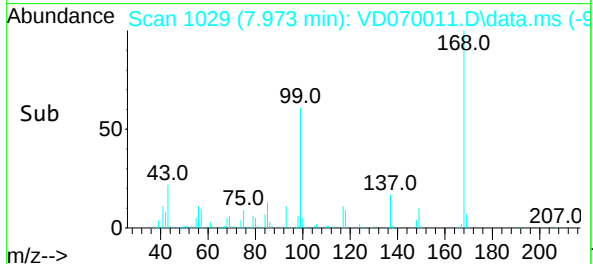
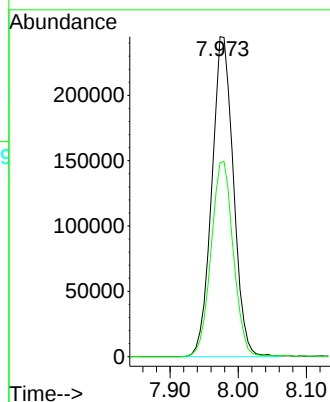
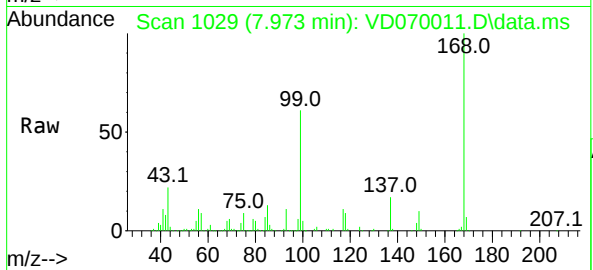
Acq: 09 Aug 2021 22:14

Tgt Ion:168 Resp: 540316

Ion Ratio Lower Upper

168 100

99 60.6 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.017 min

Lab File: VD070011.D

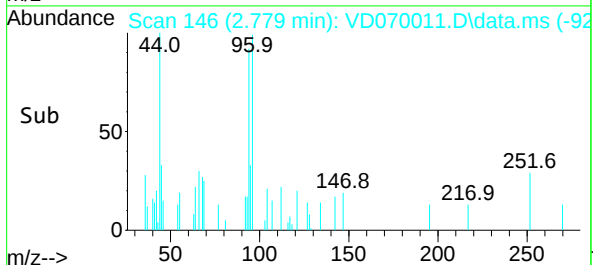
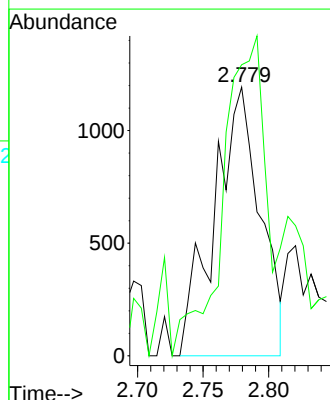
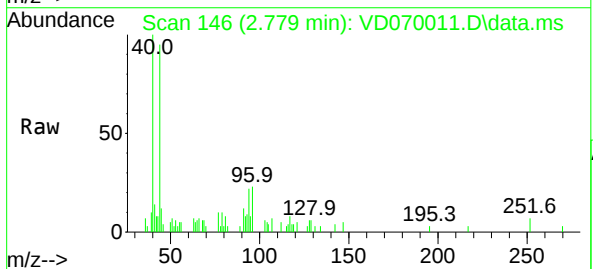
Acq: 09 Aug 2021 22:14

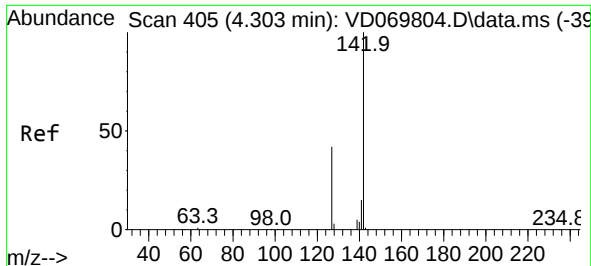
Tgt Ion: 94 Resp: 2920

Ion Ratio Lower Upper

94 100

96 94.8 74.8 112.2

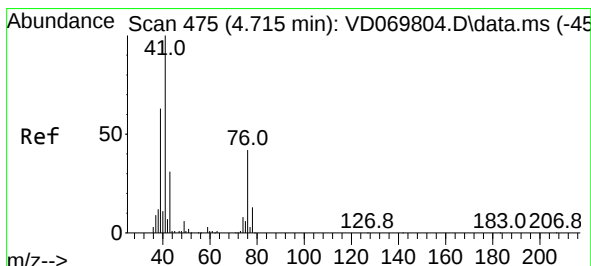
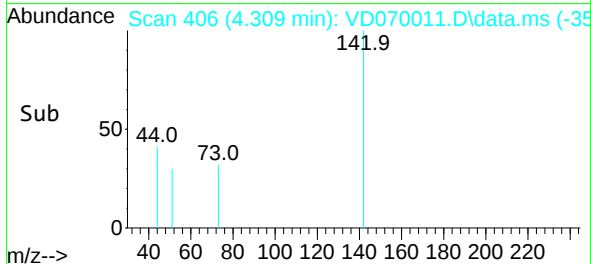
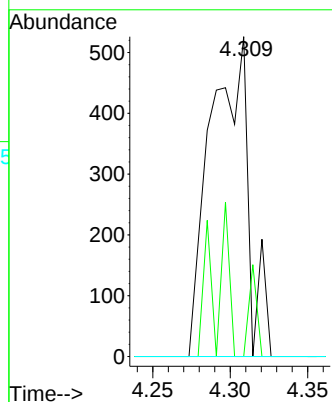
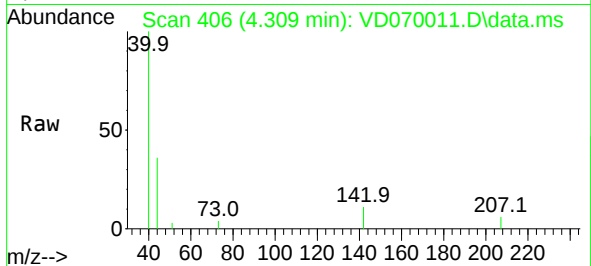




#10
Methyl Iodide
Concen: 3.587 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

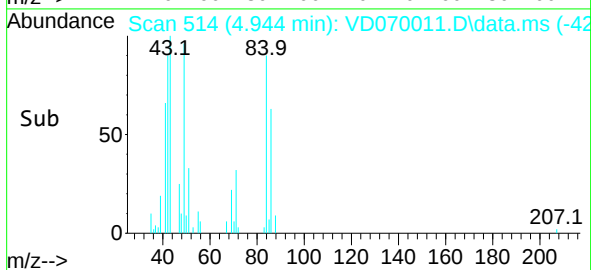
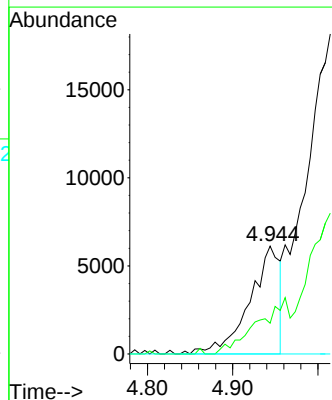
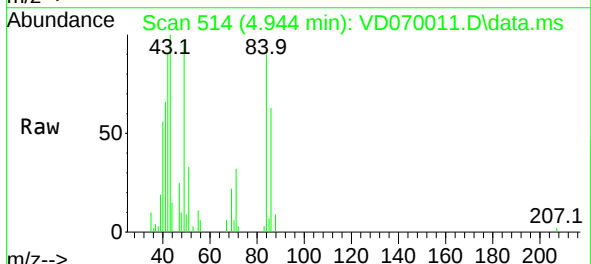
Instrument :
MSVOA_D
ClientSampleId :

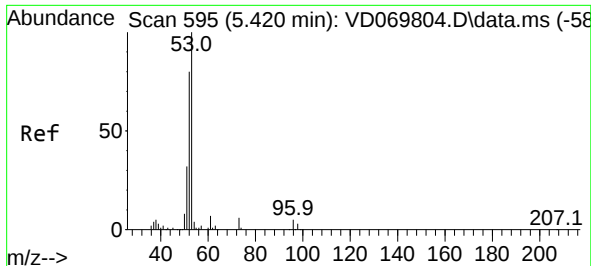
Tgt Ion:142 Resp: 896
Ion Ratio Lower Upper
142 100
127 5.9 35.7 53.5#
141 0.0 12.0 18.0#



#14
Allyl chloride
Concen: 1.671 ug/l
RT: 4.944 min Scan# 514
Delta R.T. 0.229 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

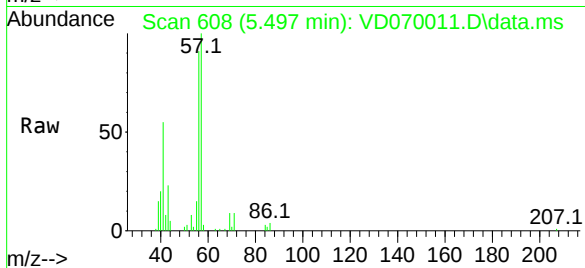
Tgt Ion: 41 Resp: 15145
Ion Ratio Lower Upper
41 100
39 53.9 49.8 74.6
76 0.0 31.8 47.8#



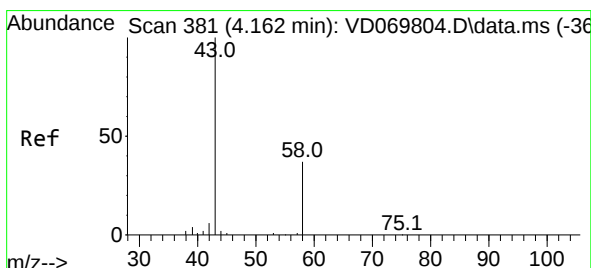
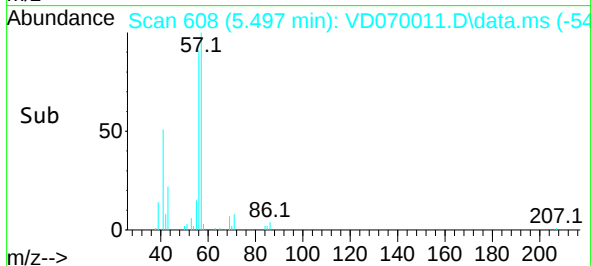
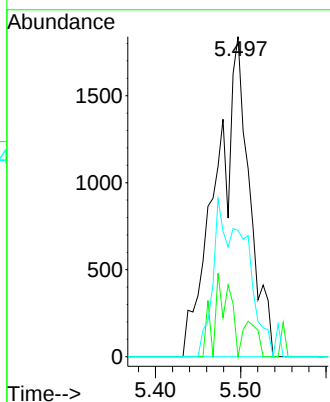


#15
Acrylonitrile
Concen: 3.509 ug/l
RT: 5.497 min Scan# 608
Delta R.T. 0.076 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

Instrument :
MSVOA_D
ClientSampleId :

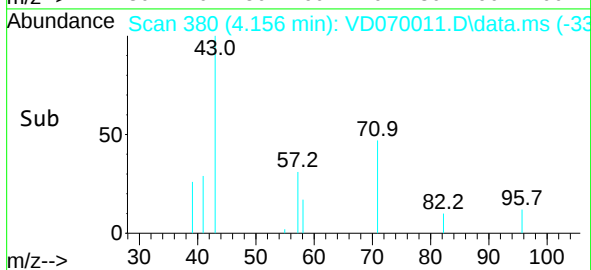
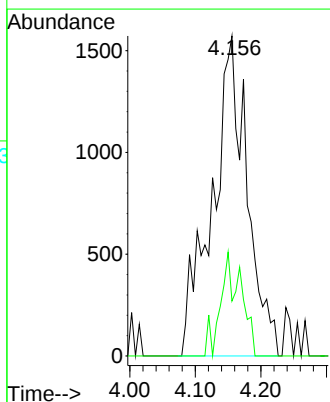
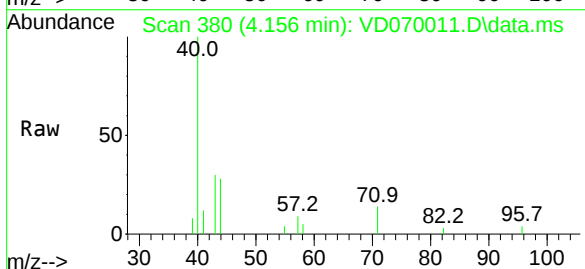


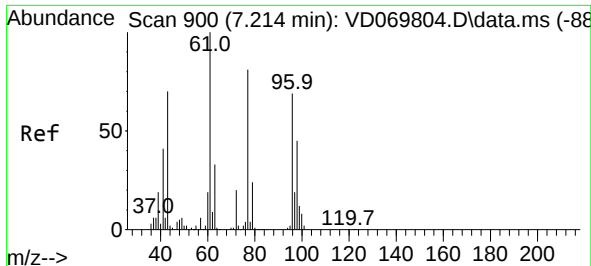
Tgt Ion: 53 Resp: 4974
Ion Ratio Lower Upper
53 100
52 4.9 65.3 97.9#
51 0.0 28.3 42.5#



#16
Acetone
Concen: 5.167 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

Tgt Ion: 43 Resp: 5800
Ion Ratio Lower Upper
43 100
58 17.2 29.4 44.0#

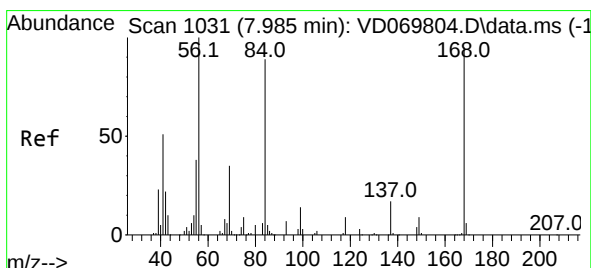
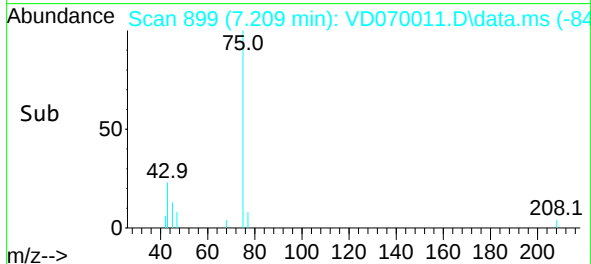
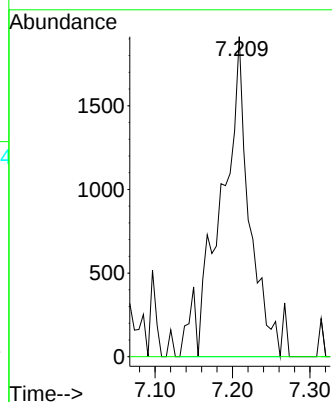
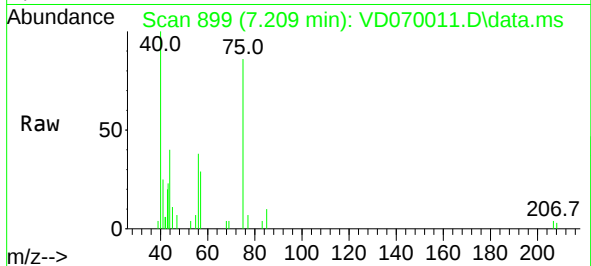




#25
2-Butanone
Concen: 3.227 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

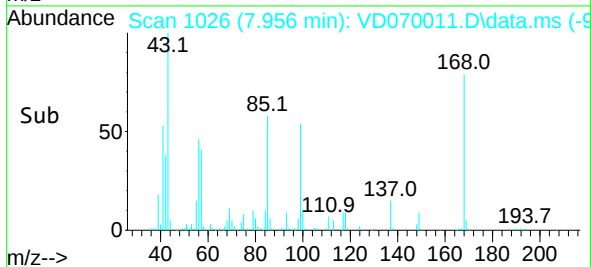
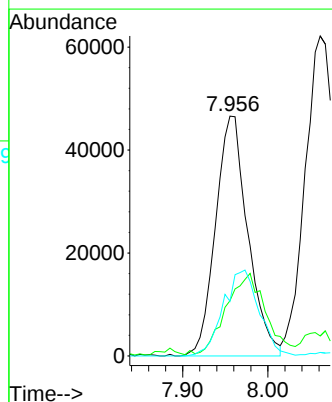
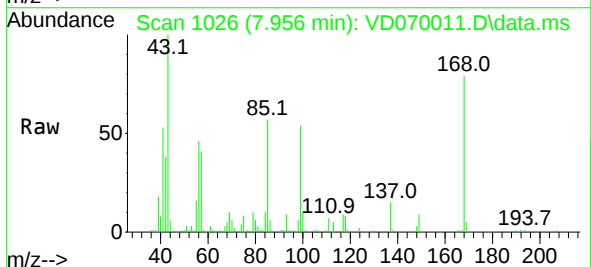
Instrument :
MSVOA_D
ClientSampleId :

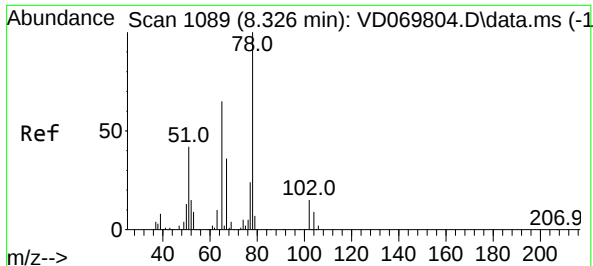
Tgt Ion: 43 Resp: 4912
Ion Ratio Lower Upper
43 100
72 0.0 22.8 34.2#



#31
Cyclohexane
Concen: 10.119 ug/l
RT: 7.956 min Scan# 1026
Delta R.T. -0.029 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

Tgt Ion: 56 Resp: 122859
Ion Ratio Lower Upper
56 100
69 21.8 27.9 41.9#
84 22.8 71.4 107.2#



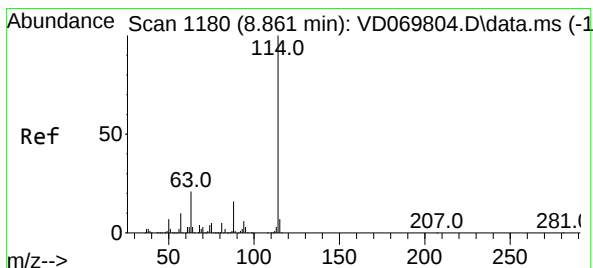
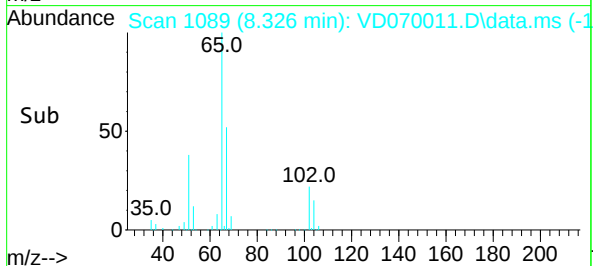
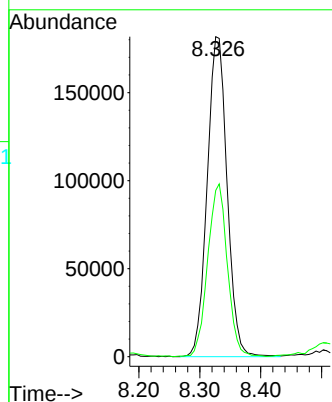
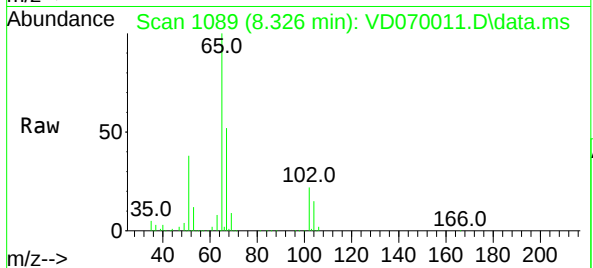


#33

1,2-Dichloroethane-d4
Concen: 66.384 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

Instrument :
MSVOA_D
ClientSampleId :

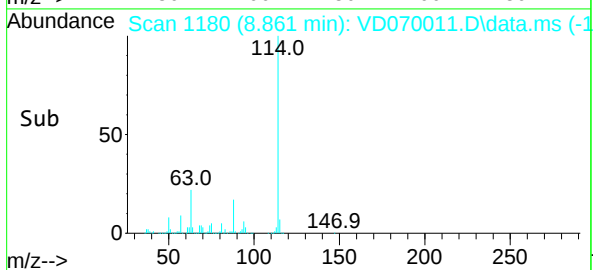
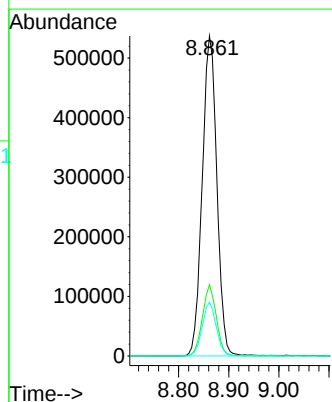
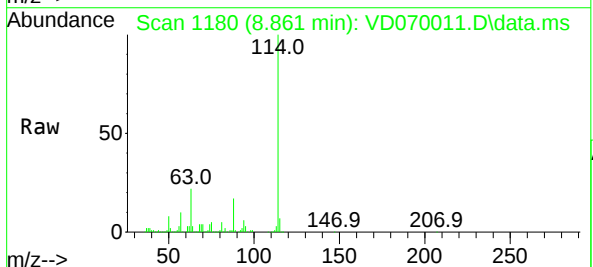
Tgt Ion: 65 Resp: 412517
Ion Ratio Lower Upper
65 100
67 53.5 0.0 111.2

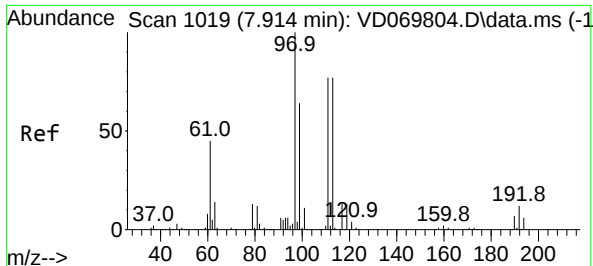


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

Tgt Ion:114 Resp: 1091664
Ion Ratio Lower Upper
114 100
63 22.3 0.0 41.6
88 16.8 0.0 31.4



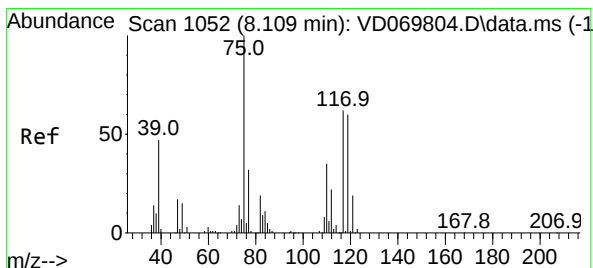
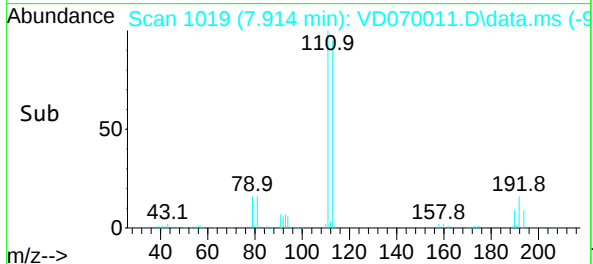
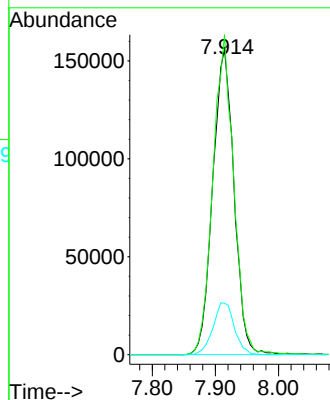
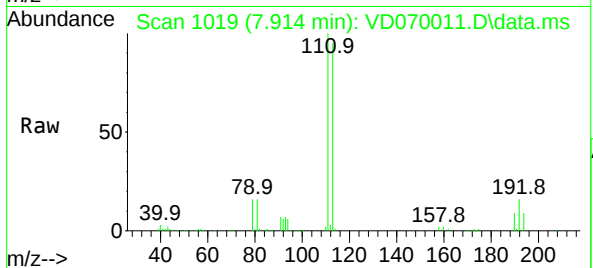


#35

Dibromofluoromethane
Concen: 53.029 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

Instrument :
MSVOA_D
ClientSampleId :

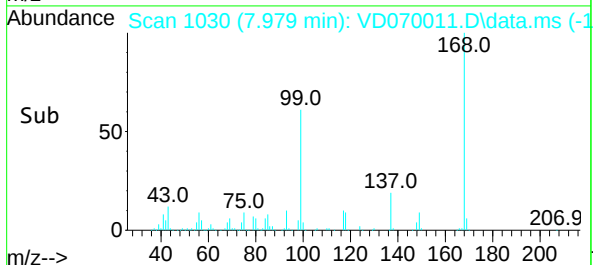
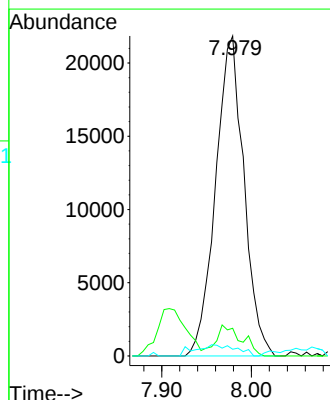
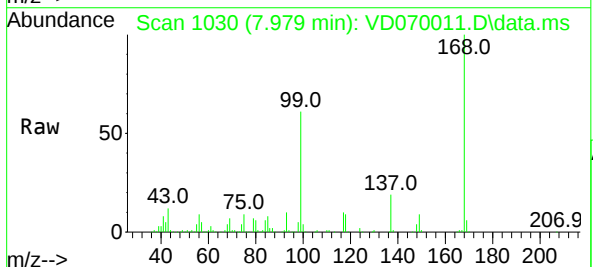
Tgt Ion:113 Resp: 364939
Ion Ratio Lower Upper
113 100
111 102.7 80.5 120.7
192 17.1 12.6 19.0

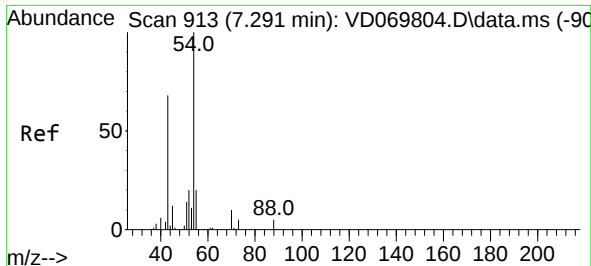


#36

1,1-Dichloropropene
Concen: 4.053 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

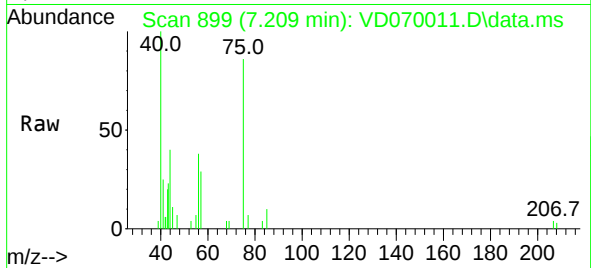
Tgt Ion: 75 Resp: 47749
Ion Ratio Lower Upper
75 100
110 8.5 16.9 50.7#
77 0.0 24.9 37.3#



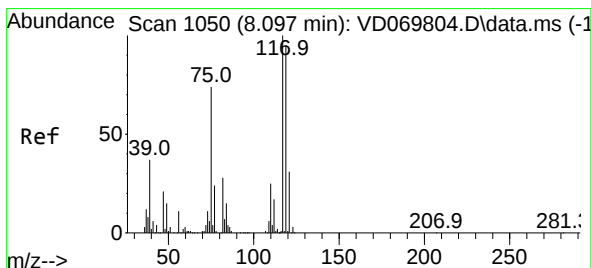
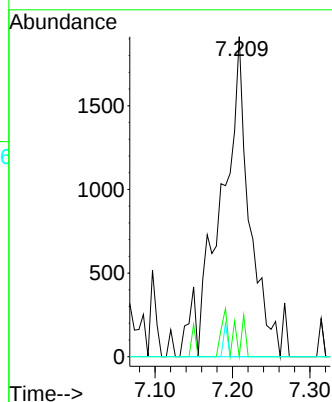
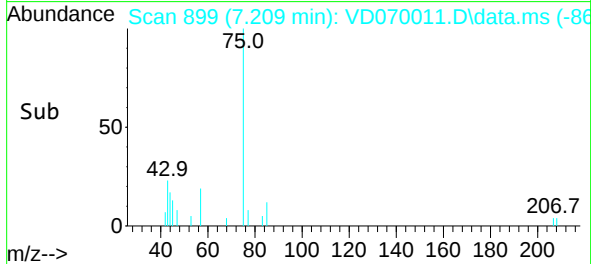


#37
Ethyl Acetate
Concen: 1.145 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.082 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

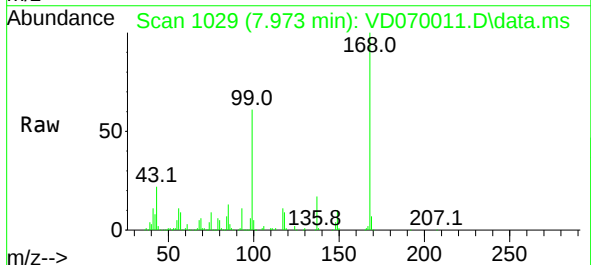
Instrument :
MSVOA_D
ClientSampleId :



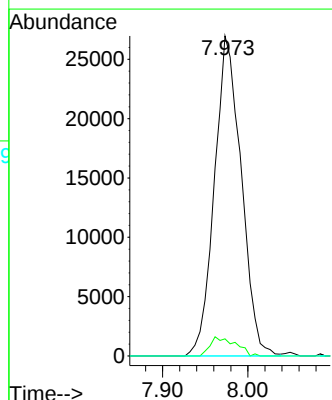
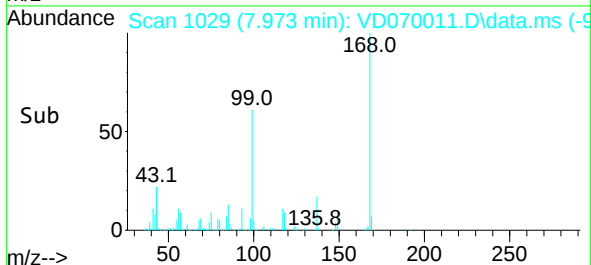
Tgt Ion: 43 Resp: 4912
Ion Ratio Lower Upper
43 100
61 3.2 11.8 17.8#
70 1.4 8.9 13.3#

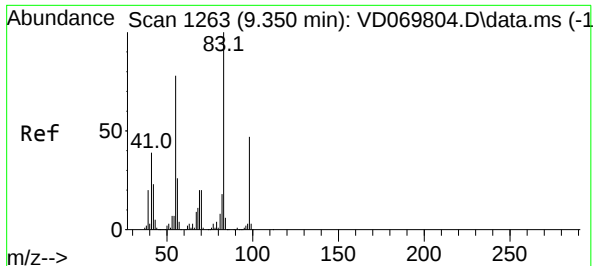


#38
Carbon Tetrachloride
Concen: 5.470 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14



Tgt Ion: 117 Resp: 58862
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 6.313 ug/l

RT: 9.355 min Scan# 1264

Delta R.T. 0.006 min

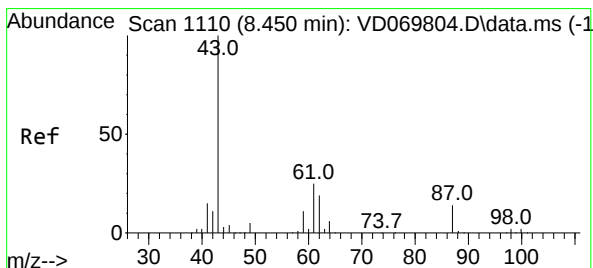
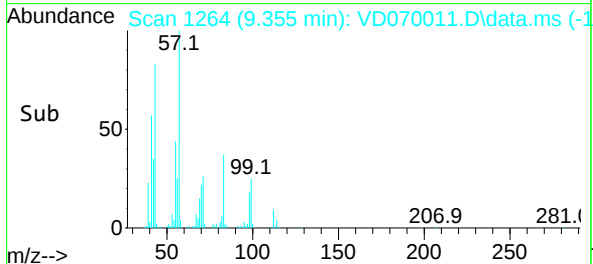
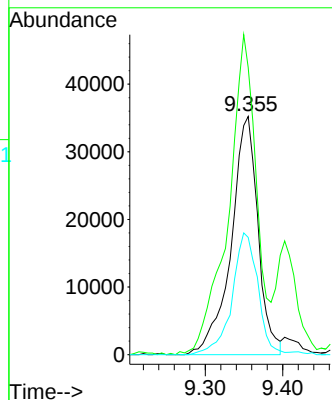
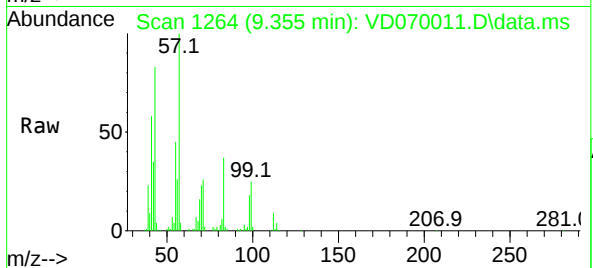
Lab File: VD070011.D

Acq: 09 Aug 2021 22:14

Tgt Ion: 83 Resp: 85181

Ion	Ratio	Lower	Upper
83	100		
55	119.3	62.2	93.2#
98	49.2	37.8	56.8

Instrument :
MSVOA_D
ClientSampleId :



#43

Isopropyl Acetate

Concen: 3.462 ug/l

RT: 8.450 min Scan# 1110

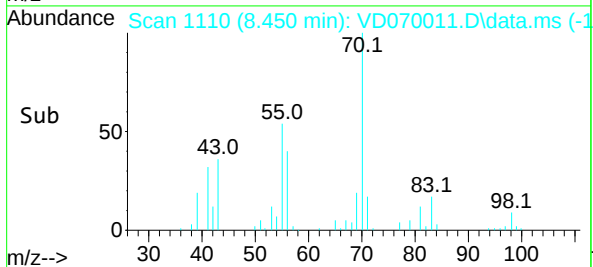
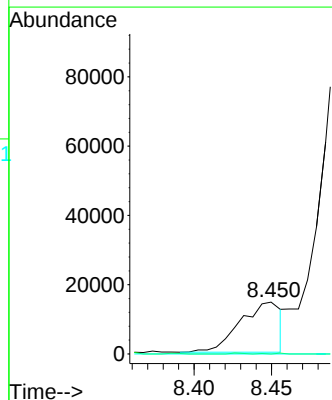
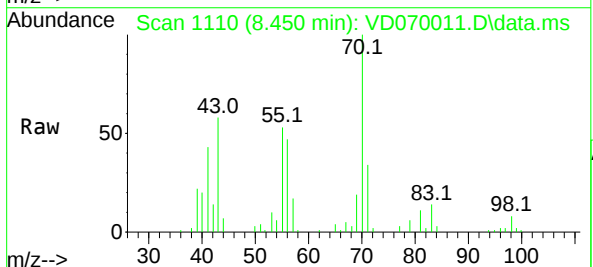
Delta R.T. -0.000 min

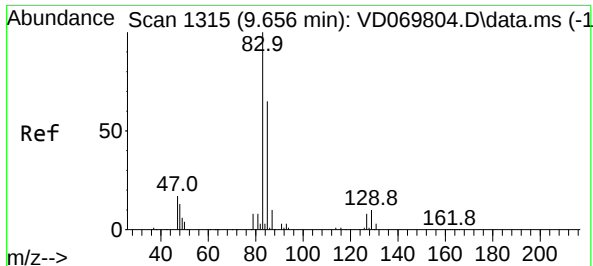
Lab File: VD070011.D

Acq: 09 Aug 2021 22:14

Tgt Ion: 43 Resp: 26628

Ion	Ratio	Lower	Upper
43	100		
61	0.0	27.8	41.6#
87	0.0	11.3	16.9#

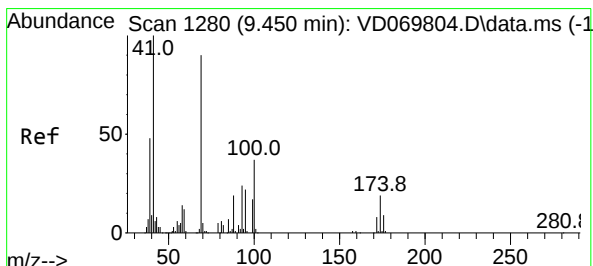
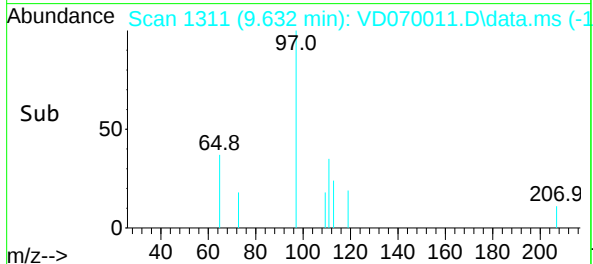
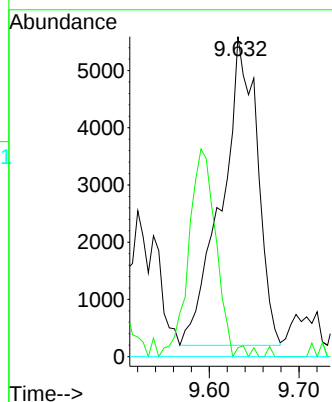
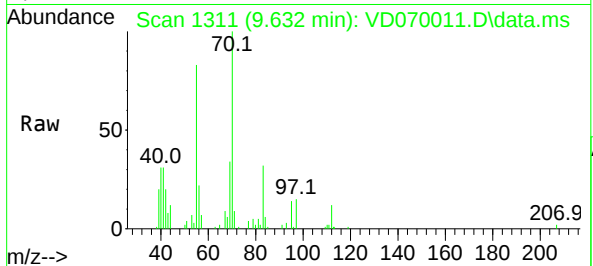




#47
Bromodichloromethane
Concen: 1.297 ug/l
RT: 9.632 min Scan# 1311
Delta R.T. -0.024 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

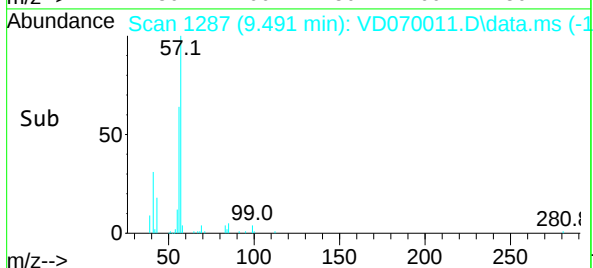
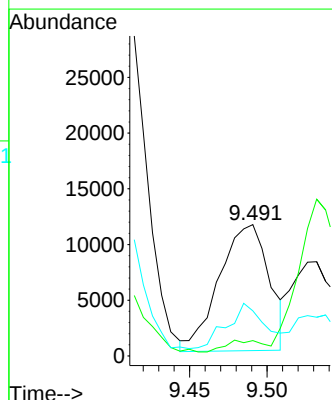
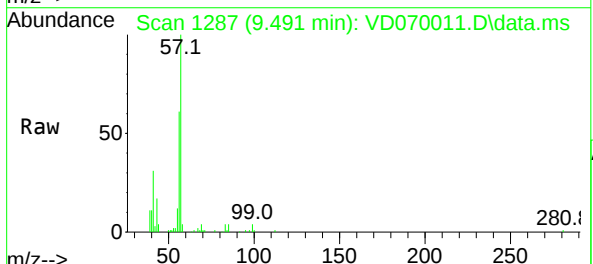
Instrument :
MSVOA_D
ClientSampleId :

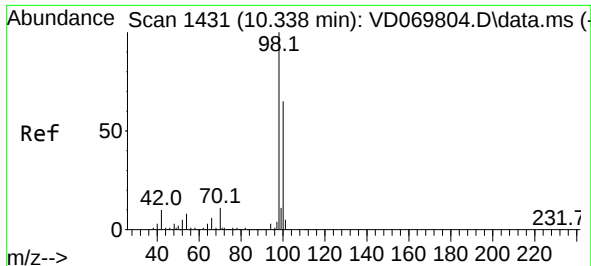
Tgt Ion: 83 Resp: 14852
Ion Ratio Lower Upper
83 100
85 2.9 52.0 78.0#
127 0.0 6.6 10.0#



#48
Methyl methacrylate
Concen: 8.603 ug/l
RT: 9.491 min Scan# 1287
Delta R.T. 0.041 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

Tgt Ion: 41 Resp: 25378
Ion Ratio Lower Upper
41 100
69 6.3 73.4 110.2#
39 31.9 36.6 55.0#

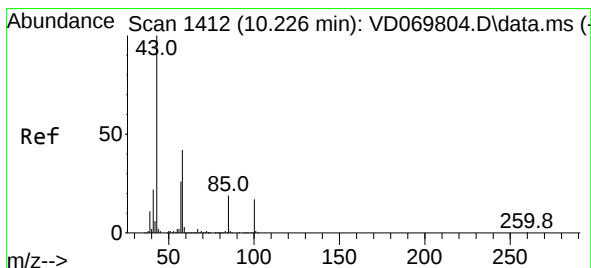
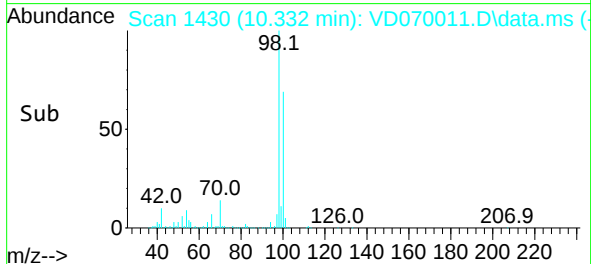
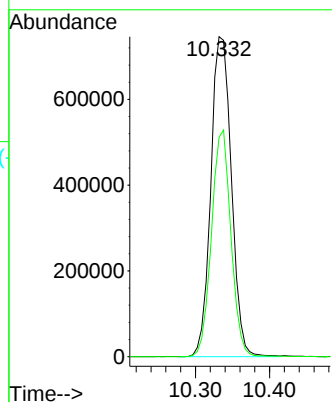
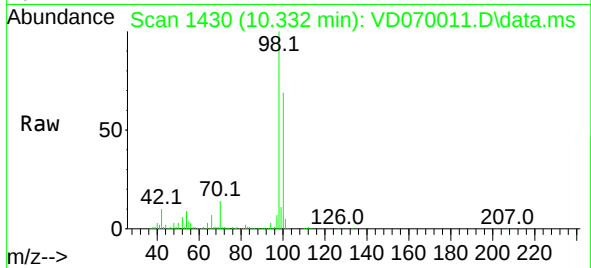




#50
Toluene-d8
Concen: 54.168 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

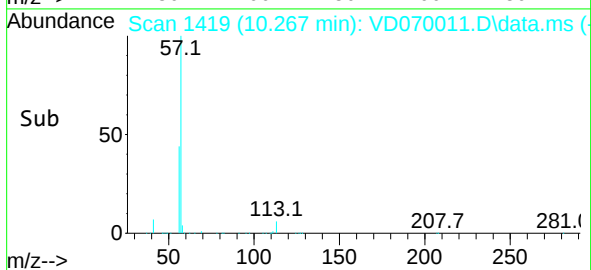
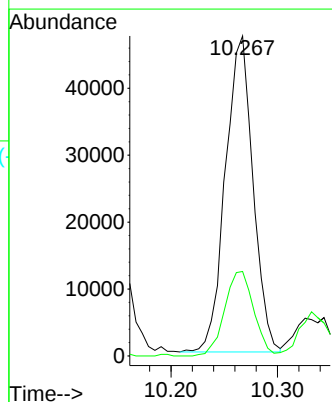
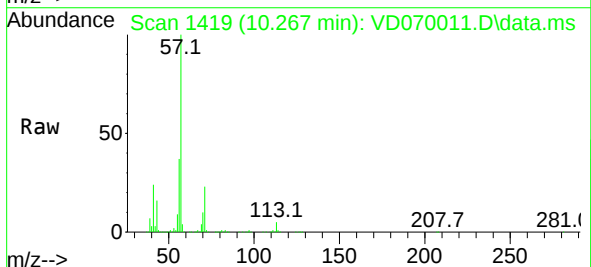
Instrument :
MSVOA_D
ClientSampleId :

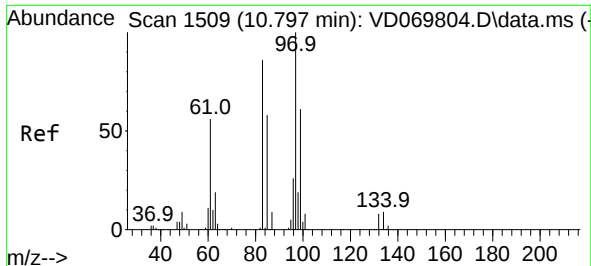
Tgt Ion: 98 Resp: 1437398
Ion Ratio Lower Upper
98 100
100 66.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 21.270 ug/l
RT: 10.267 min Scan# 1419
Delta R.T. 0.041 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

Tgt Ion: 43 Resp: 85136
Ion Ratio Lower Upper
43 100
58 28.1 33.7 50.5#

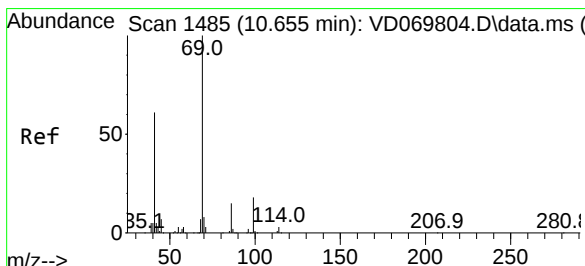
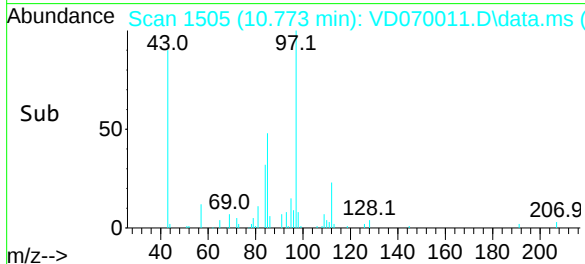
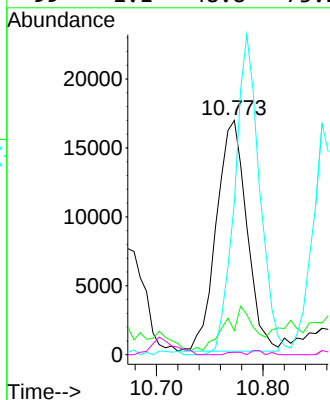
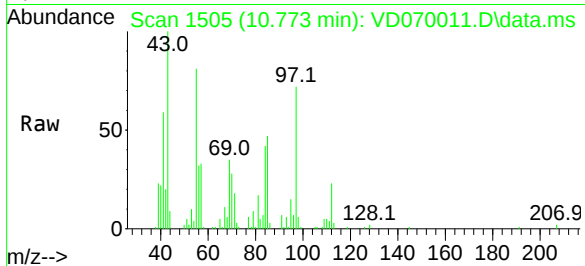




#55
1,1,2-Trichloroethane
Concen: 5.330 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.024 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

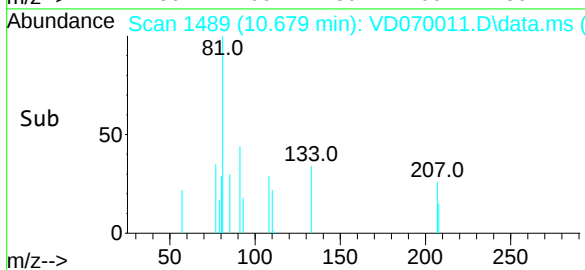
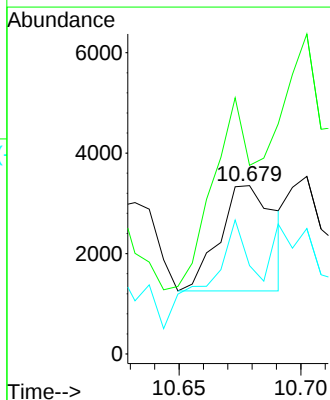
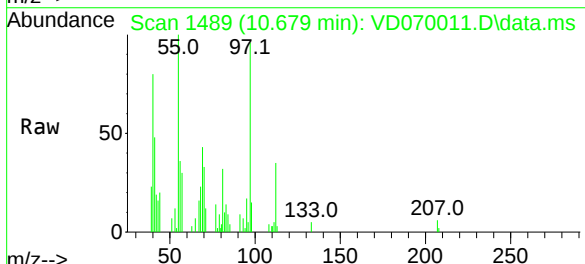
Instrument :
MSVOA_D
ClientSampleId :

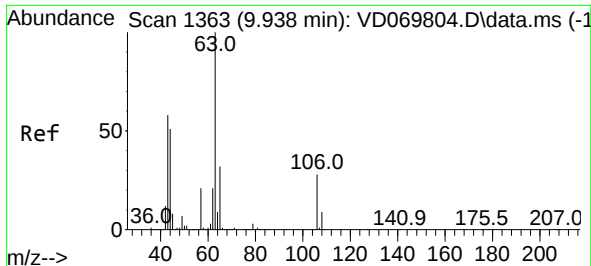
Tgt Ion:	97	Resp:	33173
Ion	Ratio	Lower	Upper
97	100		
83	5.6	69.1	103.7#
85	64.4	46.2	69.2
99	1.1	48.8	73.2#



#56
Ethyl methacrylate
Concen: 4.288 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.024 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

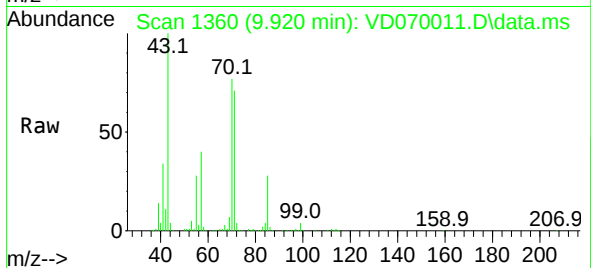
Tgt Ion:	69	Resp:	3274
Ion	Ratio	Lower	Upper
69	100		
41	122.3	50.2	75.2#
39	86.0	22.0	33.0#



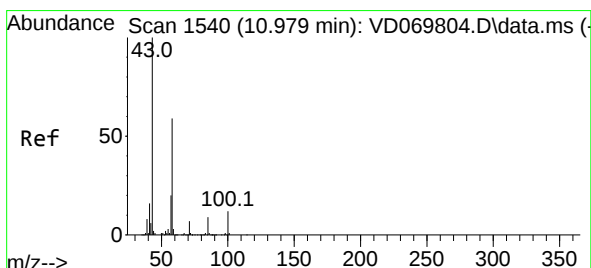
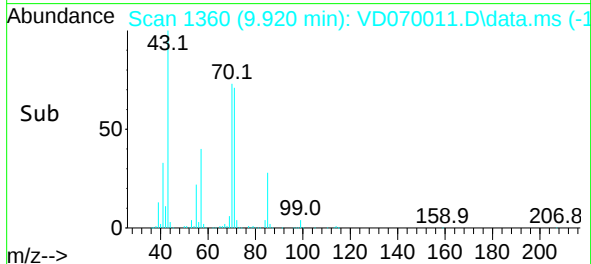
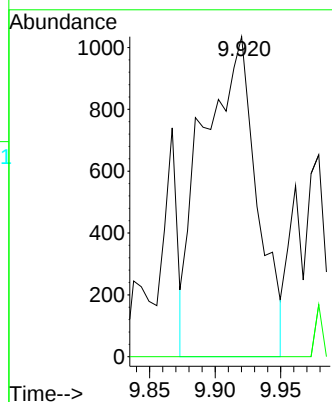


#58
2-Chloroethyl Vinyl ether
Concen: 21.668 ug/l
RT: 9.920 min Scan# 1360
Delta R.T. -0.018 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

Instrument :
MSVOA_D
ClientSampled :

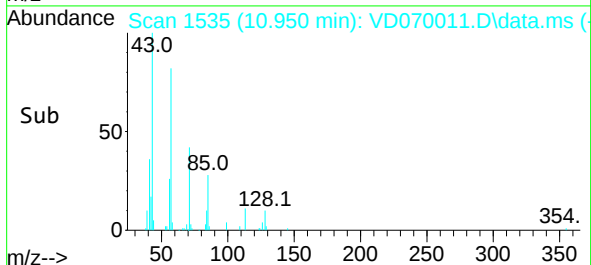
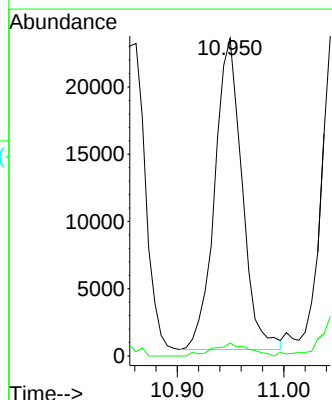
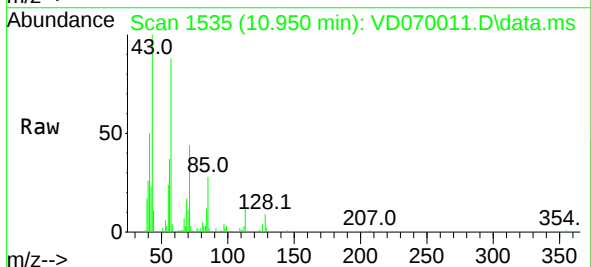


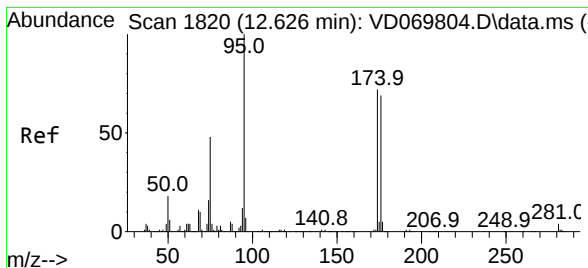
Tgt Ion: 63 Resp: 2947
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#



#59
2-Hexanone
Concen: 15.567 ug/l
RT: 10.950 min Scan# 1535
Delta R.T. -0.029 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

Tgt Ion: 43 Resp: 41215
Ion Ratio Lower Upper
43 100
58 5.3 29.4 88.3#

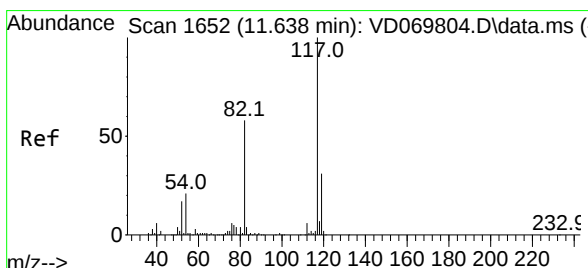
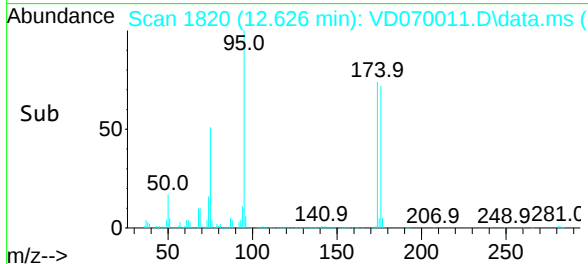
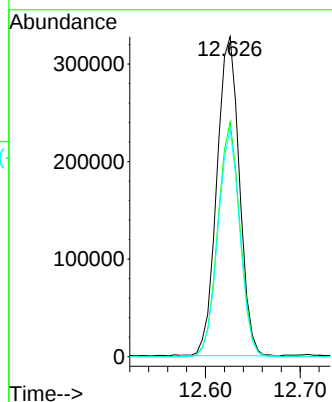
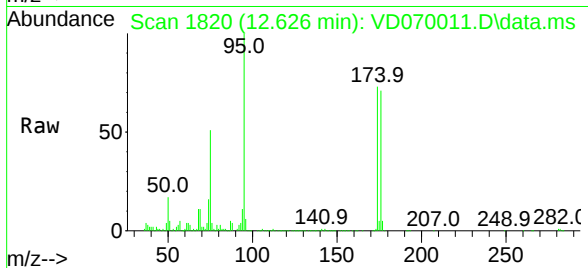




#62
4-Bromofluorobenzene
Concen: 61.010 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

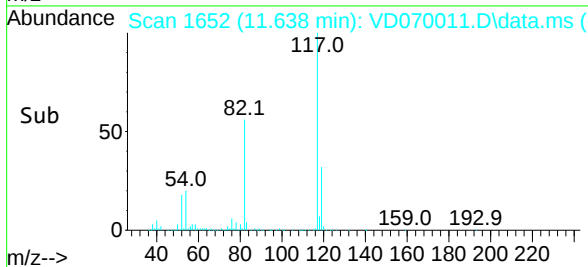
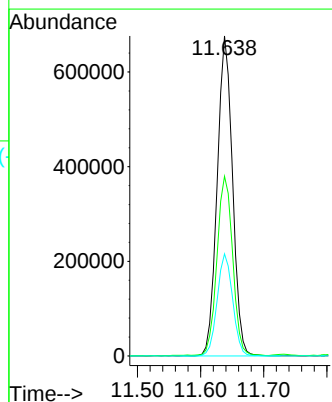
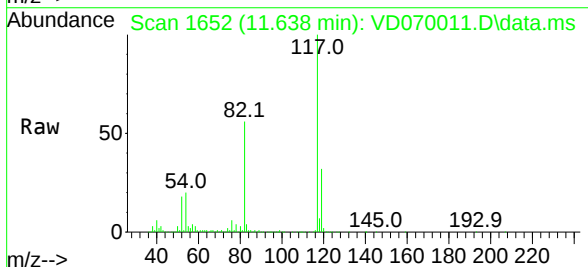
Instrument :
MSVOA_D
ClientSampleId :

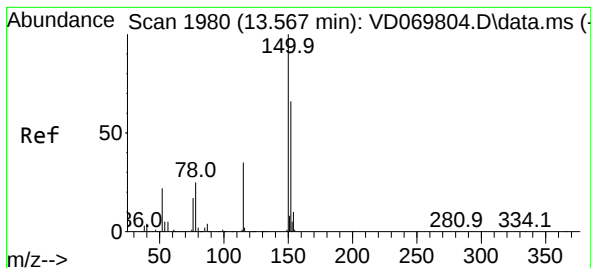
Tgt Ion: 95 Resp: 541064
Ion Ratio Lower Upper
95 100
174 72.4 0.0 142.6
176 69.3 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

Tgt Ion: 117 Resp: 1139799
Ion Ratio Lower Upper
117 100
82 56.0 46.3 69.5
119 31.9 24.7 37.1

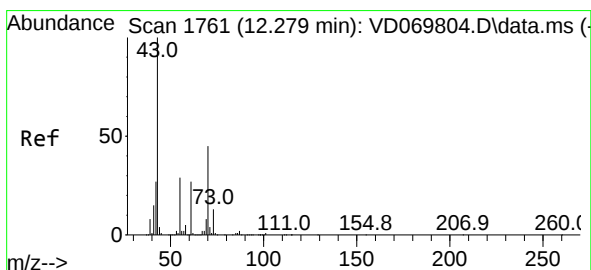
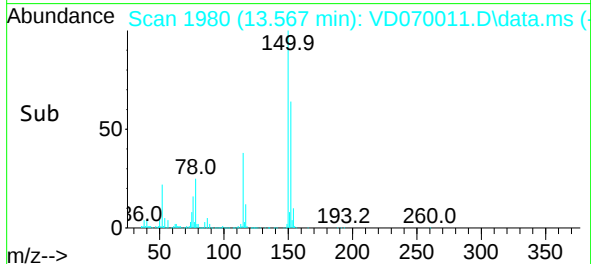
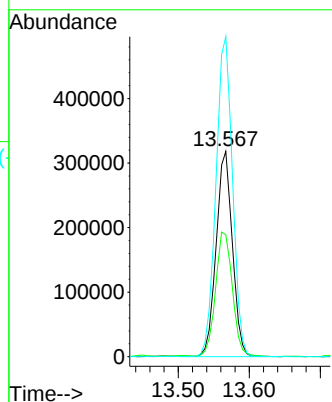
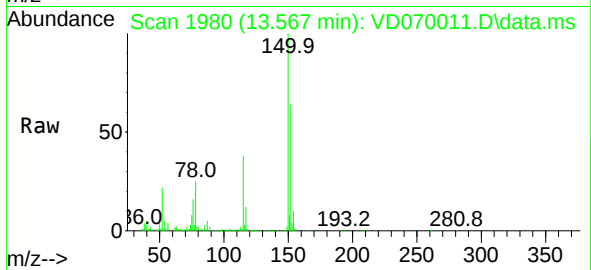




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

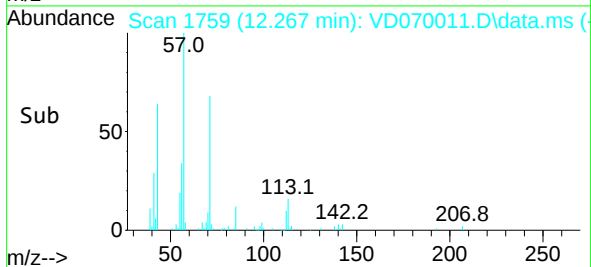
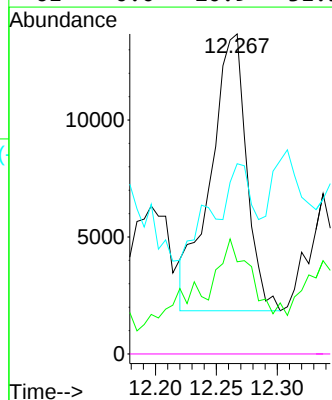
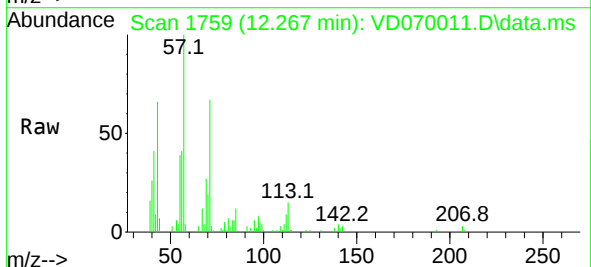
Instrument :
MSVOA_D
ClientSampleId :

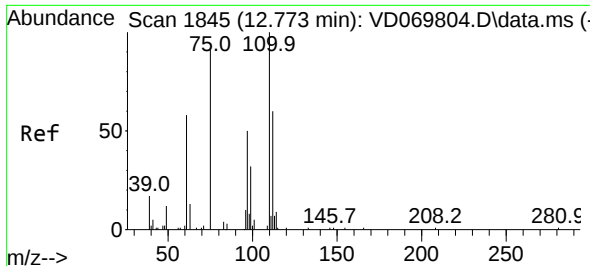
Tgt Ion:152 Resp: 504283
Ion Ratio Lower Upper
152 100
115 63.0 31.1 93.3
150 158.8 0.0 343.0



#74
N-ethyl acetate
Concen: 3.272 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.012 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

Tgt Ion: 43 Resp: 24385
Ion Ratio Lower Upper
43 100
70 21.6 37.9 56.9#
55 10.0 23.7 35.5#
61 0.0 20.9 31.3#

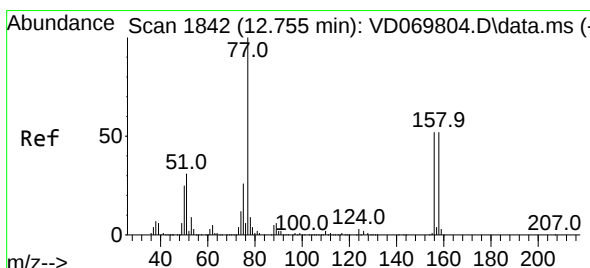
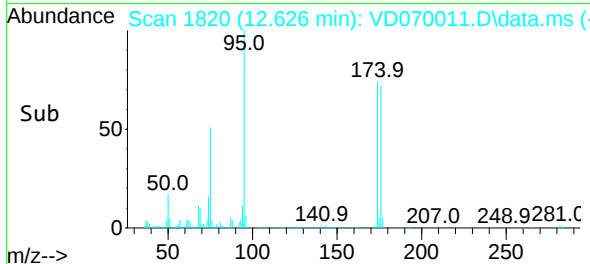
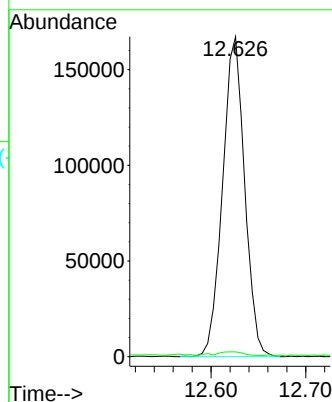
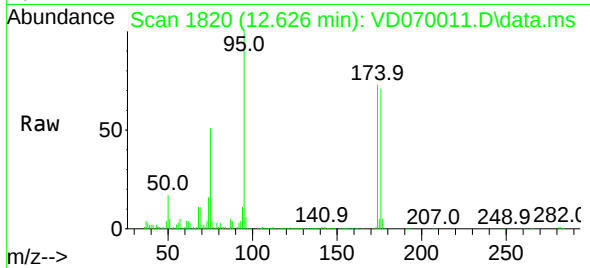




#76
1,2,3-Trichloropropane
Concen: 50.487 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

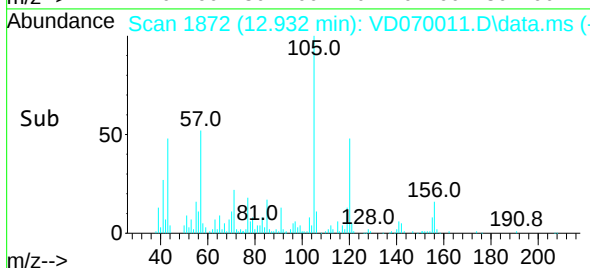
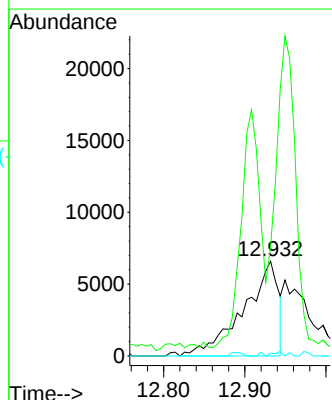
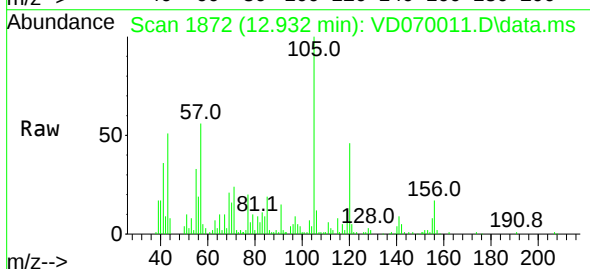
Instrument :
MSVOA_D
ClientSampleId :

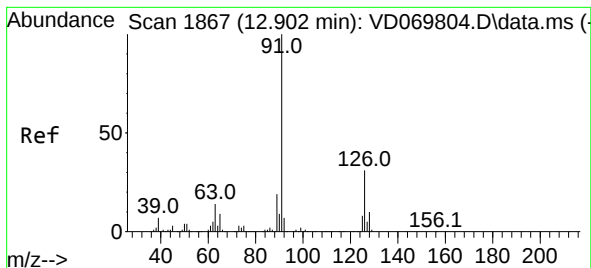
Tgt Ion: 75 Resp: 270619
Ion Ratio Lower Upper
75 100
77 1.6 181.5 544.5#



#77
Bromobenzene
Concen: 2.393 ug/l
RT: 12.932 min Scan# 1872
Delta R.T. 0.176 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

Tgt Ion: 156 Resp: 19528
Ion Ratio Lower Upper
156 100
77 193.5 107.1 321.3
158 1.6 48.1 144.3#





#79

2-Chlorotoluene

Concen: 1.039 ug/l

RT: 12.902 min Scan# 1867

Delta R.T. -0.000 min

Lab File: VD070011.D

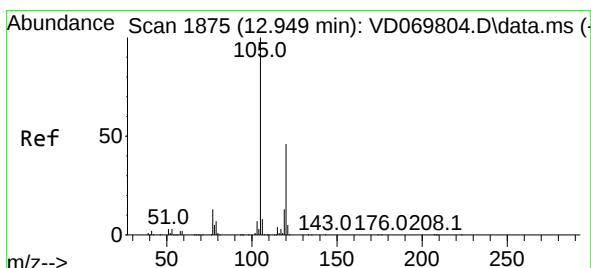
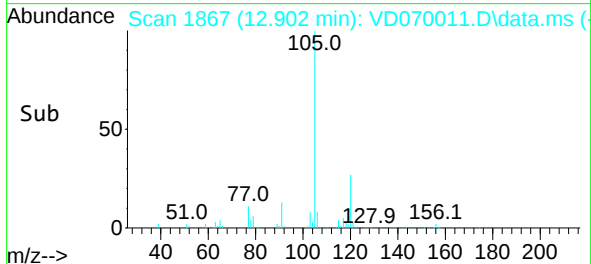
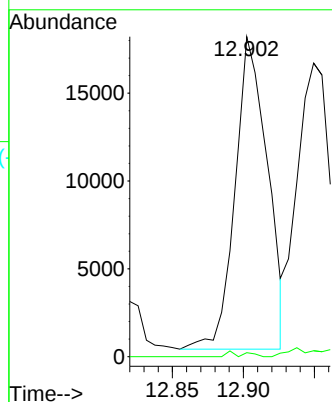
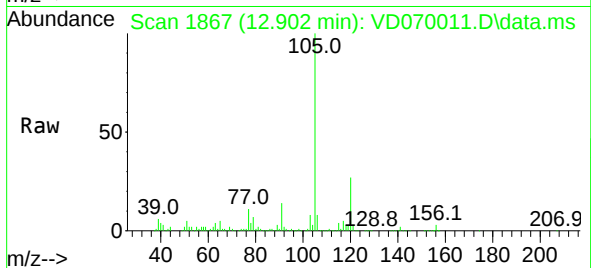
Acq: 09 Aug 2021 22:14

Tgt Ion: 91 Resp: 28095

Ion Ratio Lower Upper

91 100

126 0.4 15.9 47.7#



#80

1,3,5-Trimethylbenzene

Concen: 8.281 ug/l

RT: 12.949 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VD070011.D

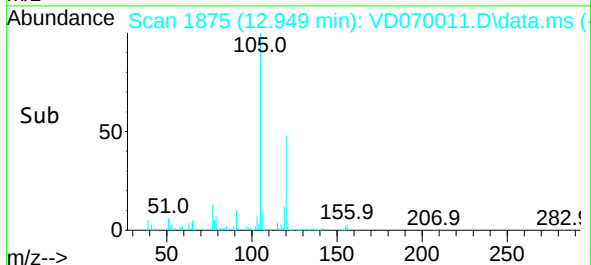
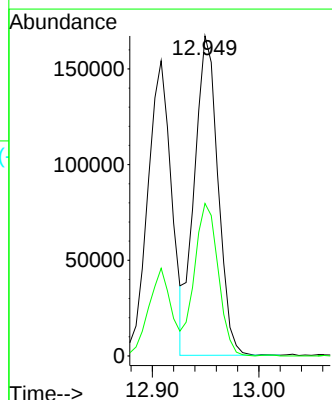
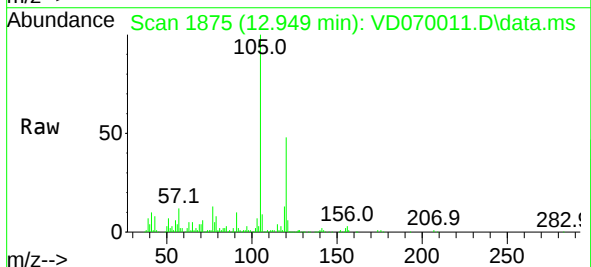
Acq: 09 Aug 2021 22:14

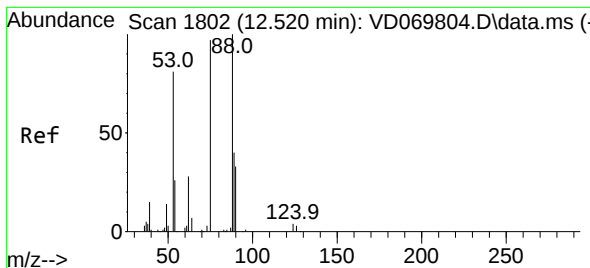
Tgt Ion: 105 Resp: 256677

Ion Ratio Lower Upper

105 100

120 48.4 23.8 71.2

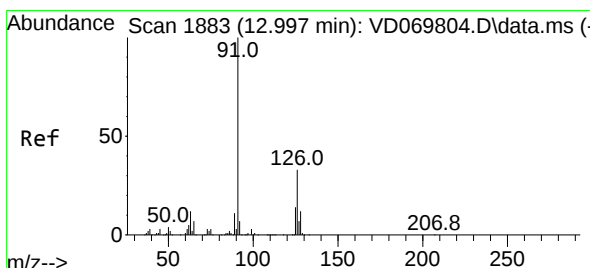
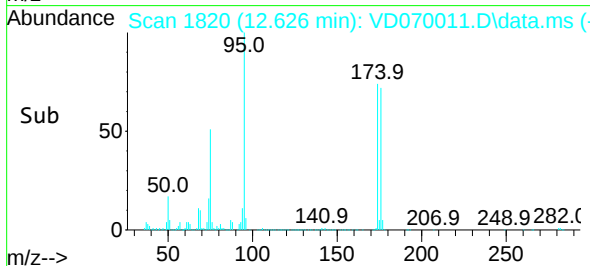
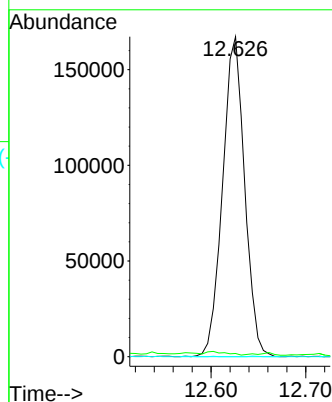
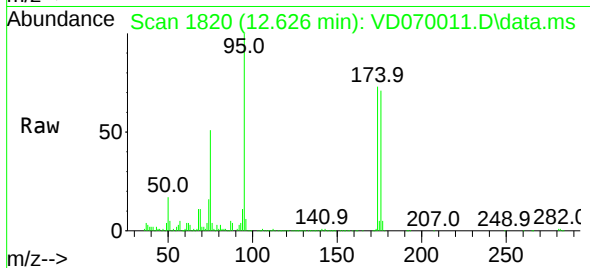




#81
trans-1,4-Dichloro-2-butene
Concen: 153.165 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

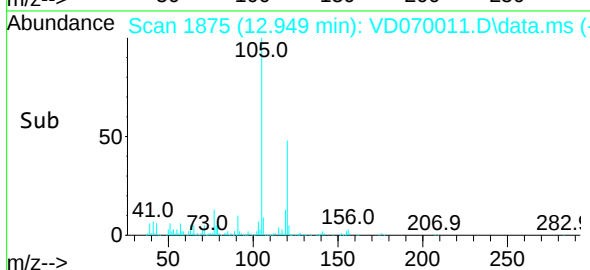
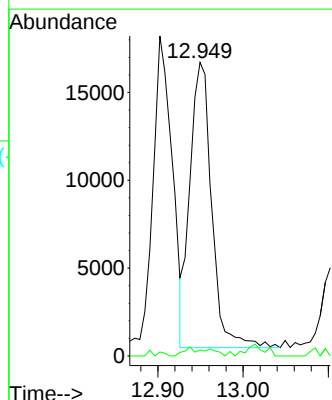
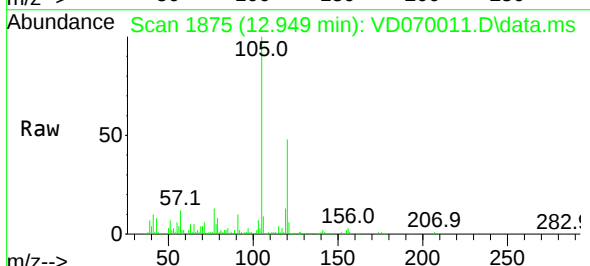
Instrument :
MSVOA_D
ClientSampleId :

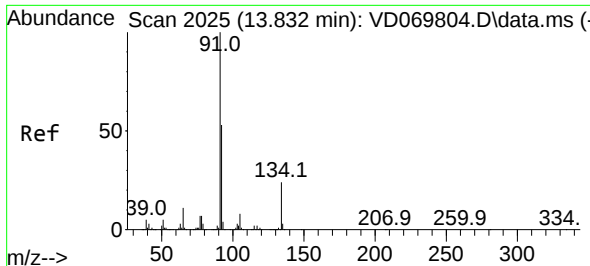
Tgt Ion: 75 Resp: 270619
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.0 35.8 53.6#



#82
4-Chlorotoluene
Concen: 1.023 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.047 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

Tgt Ion: 91 Resp: 28915
Ion Ratio Lower Upper
91 100
126 2.2 15.9 47.6#

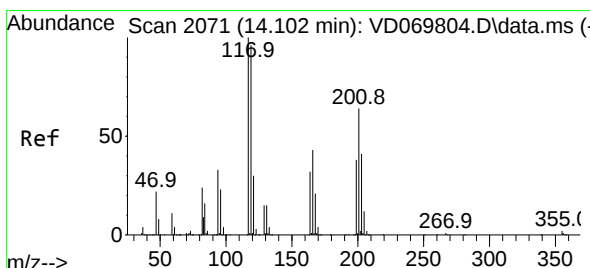
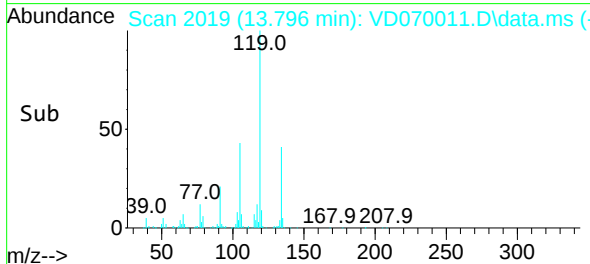
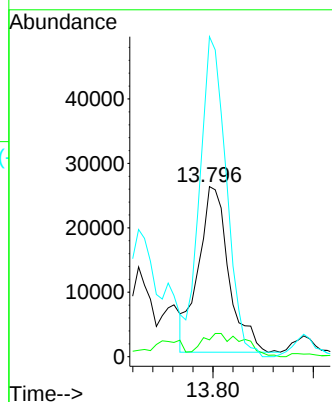
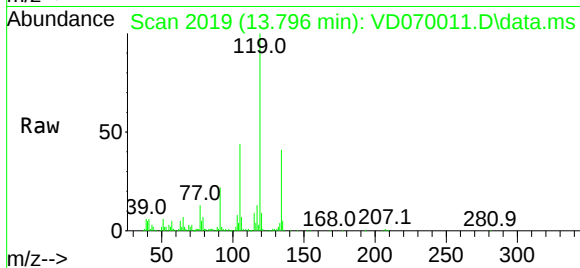




#89
n-Butylbenzene
Concen: 1.693 ug/l
RT: 13.796 min Scan# 2019
Delta R.T. -0.035 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

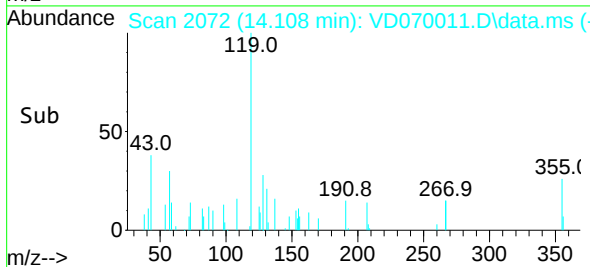
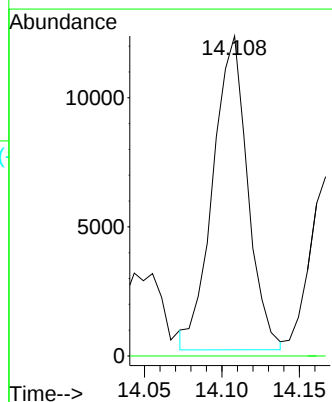
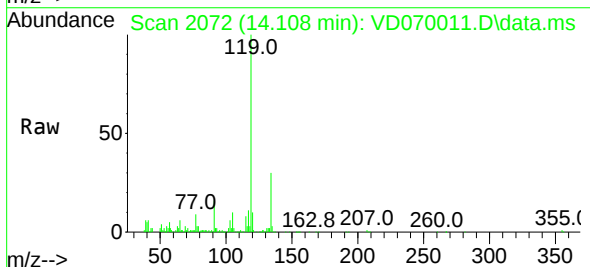
Instrument :
MSVOA_D
ClientSampleId :

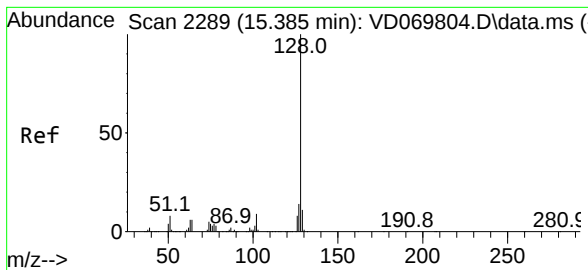
Tgt Ion: 91 Resp: 54079
Ion Ratio Lower Upper
91 100
92 19.1 26.6 79.7#
134 167.2 11.9 35.7#



#90
Hexachloroethane
Concen: 2.756 ug/l
RT: 14.108 min Scan# 2072
Delta R.T. 0.006 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

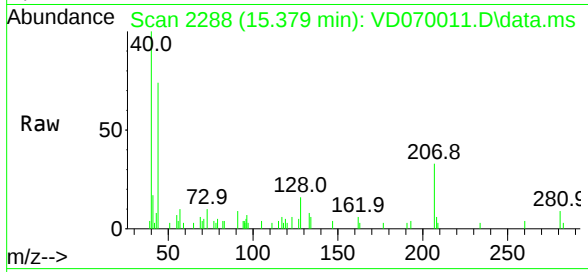
Tgt Ion: 117 Resp: 18897
Ion Ratio Lower Upper
117 100
201 0.0 31.9 95.5#





#95
Naphthalene
Concen: 5.085 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD070011.D
Acq: 09 Aug 2021 22:14

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	128	Resp:	1585
Ion	Ratio	Lower	Upper
128	100		
127	6.2	10.6	16.0#
129	0.0	8.6	12.8#

