

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101921\
 Data File : VD070753.D
 Acq On : 19 Oct 2021 12:40
 Operator : VA/SY
 Sample : M4259-04RE
 Misc : 4.83G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1-BSRE

Quant Time: Oct 20 04:40:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

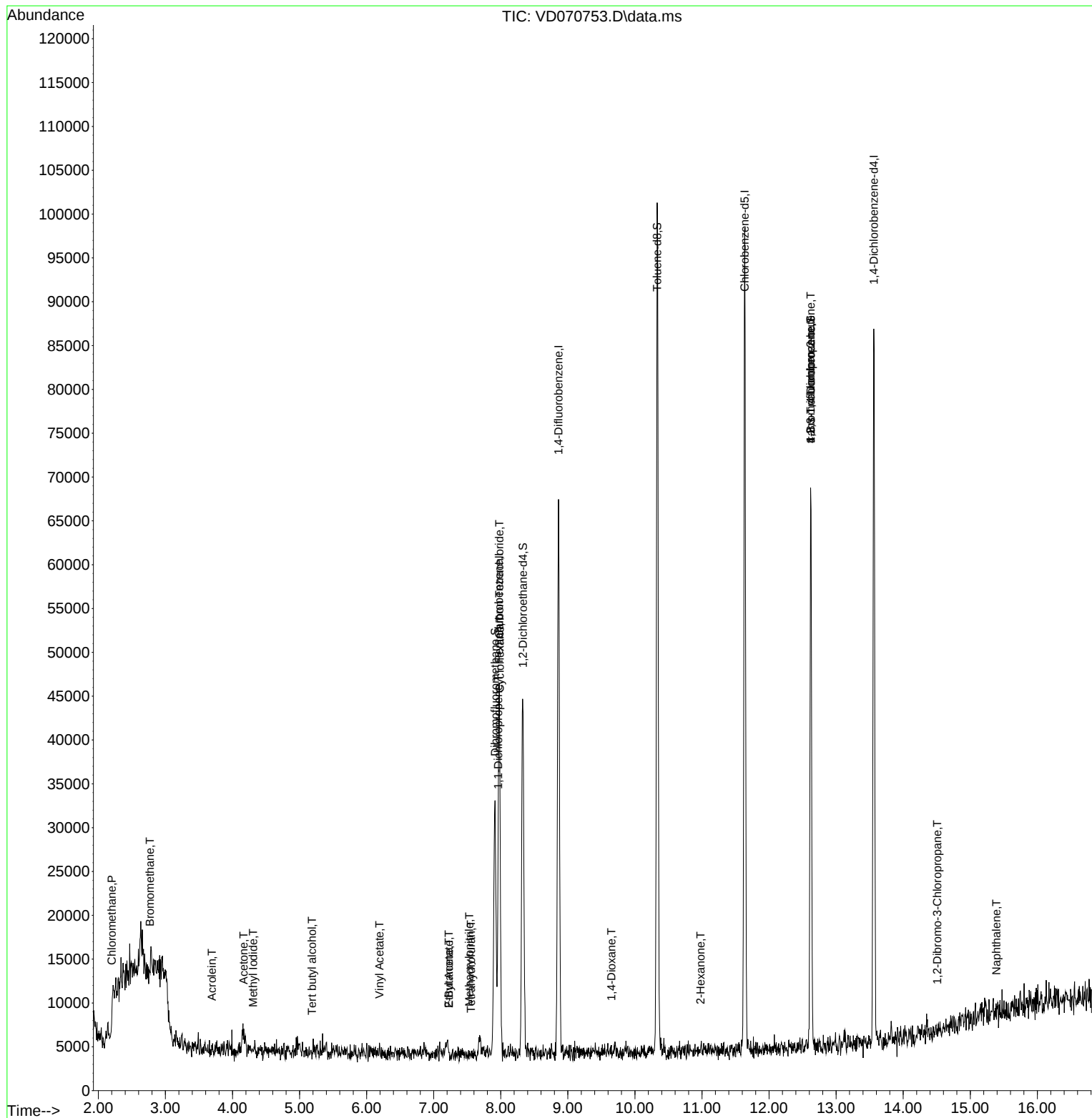
Internal Standards						
1) Pentafluorobenzene	7.973	168	29790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	47882	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	52912	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	21925	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	33178	94.031	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	188.060%	#
35) Dibromofluoromethane	7.914	113	20312	66.251	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	132.500%	
50) Toluene-d8	10.332	98	66042	56.193	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	=	112.380%	
62) 4-Bromofluorobenzene	12.620	95	21659	53.521	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	=	107.040%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	1036	2.005	ug/l #	81
5) Bromomethane	2.768	94	561	1.737	ug/l #	5
10) Methyl Iodide	4.309	142	211	3.850	ug/l #	25
11) Tert butyl alcohol	5.185	59	63	3.190	ug/l #	83
13) Acrolein	3.691	56	54	2.825	ug/l #	14
16) Acetone	4.167	43	4425	51.996	ug/l	99
20) Methylene Chloride	4.956	84	503	Below Cal	#	27
23) Vinyl Acetate	6.191	43	62	16.421	ug/l #	69
25) 2-Butanone	7.226	43	735	6.991	ug/l #	43
29) Tetrahydrofuran	7.556	42	108	1.678	ug/l #	29
31) Cyclohexane	7.985	56	930	1.303	ug/l #	56
36) 1,1-Dichloropropene	7.961	75	2796	5.242	ug/l #	51
37) Ethyl Acetate	7.226	43	735	3.326	ug/l #	65
38) Carbon Tetrachloride	7.979	117	2887	5.651	ug/l #	25
41) Methacrylonitrile	7.532	41	58	2.343	ug/l #	16
49) 1,4-Dioxane	9.649	88	69	33.061	ug/l #	23
59) 2-Hexanone	10.979	43	356	2.276	ug/l #	20
76) 1,2,3-Trichloropropane	12.620	75	10605	55.986	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	10605	122.626	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.508	75	54	1.096	ug/l #	6
95) Naphthalene	15.390	128	134	4.963	ug/l #	69

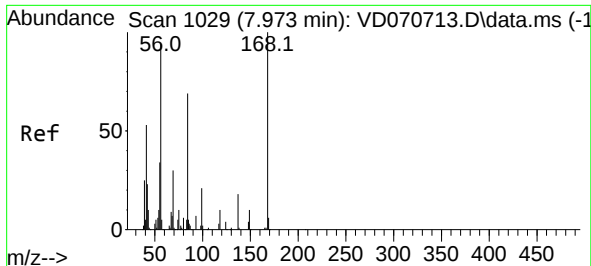
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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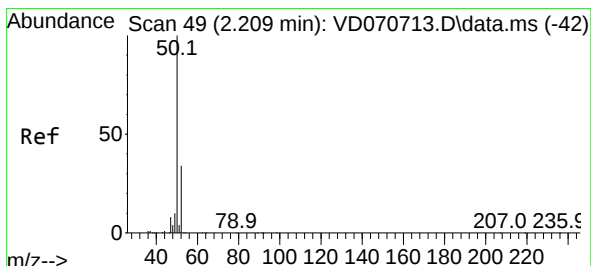
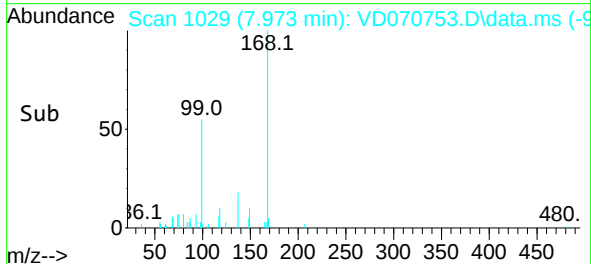
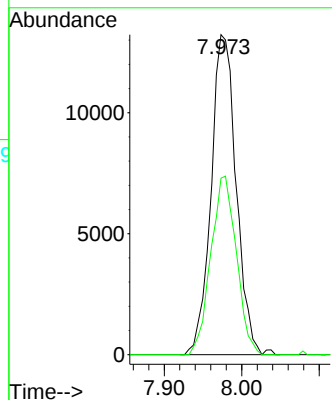
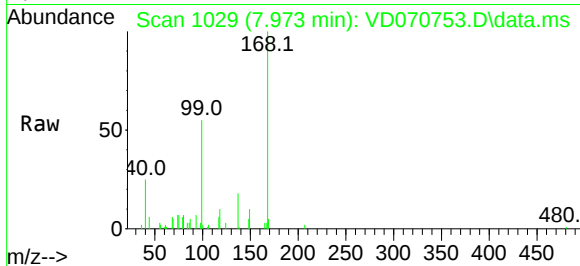




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD070753.D
Acq: 19 Oct 2021 12:40

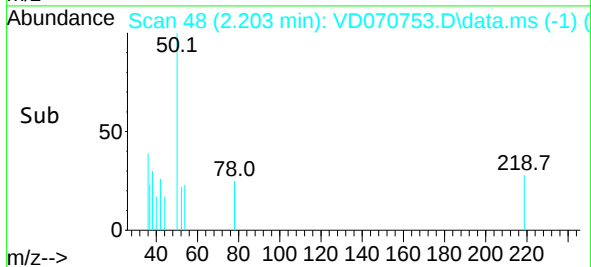
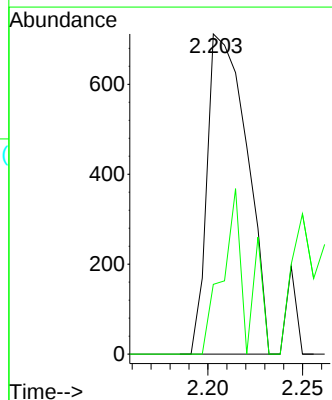
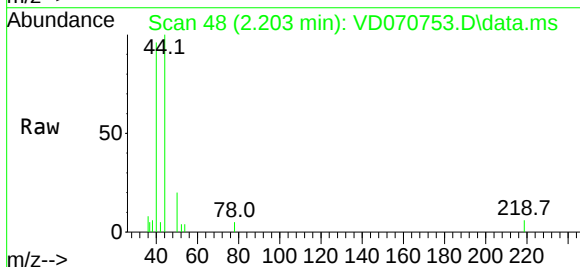
Instrument :
MSVOA_D
ClientSampleId :
WC-1-BSRE

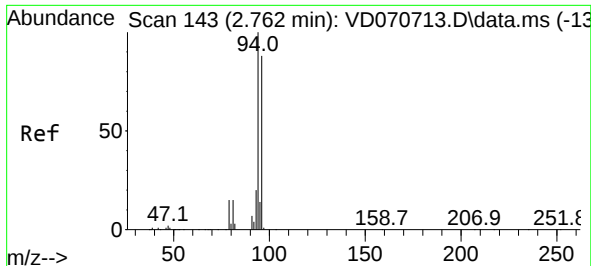
Tgt Ion:168 Resp: 29790
Ion Ratio Lower Upper
168 100
99 55.2 51.4 77.0



#3
Chloromethane
Concen: 2.005 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070753.D
Acq: 19 Oct 2021 12:40

Tgt Ion: 50 Resp: 1036
Ion Ratio Lower Upper
50 100
52 21.8 26.0 39.0#

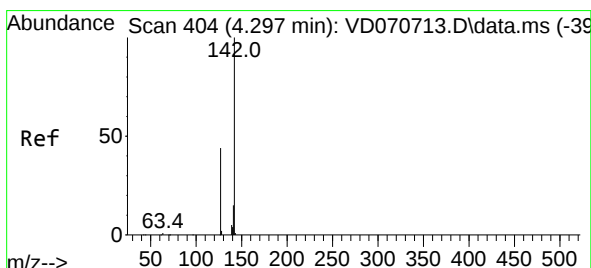
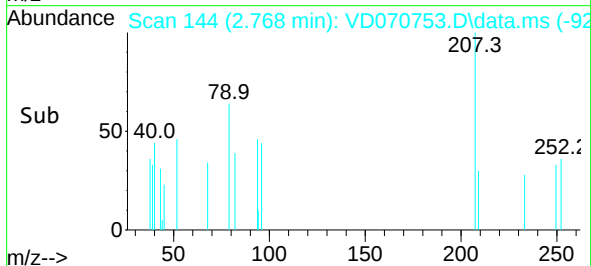
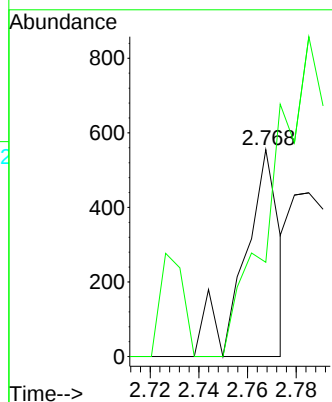
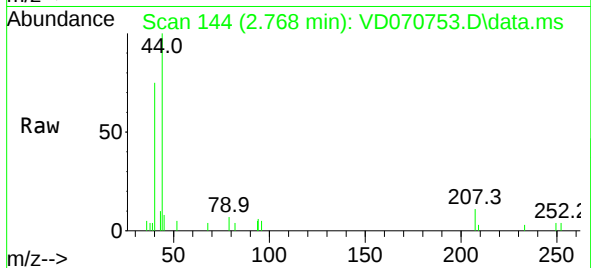




#5
Bromomethane
Concen: 1.737 ug/l
RT: 2.768 min Scan# 144
Delta R.T. 0.006 min
Lab File: VD070753.D
Acq: 19 Oct 2021 12:40

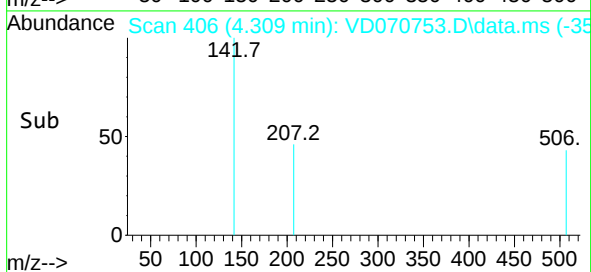
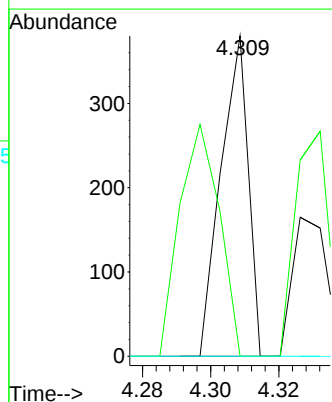
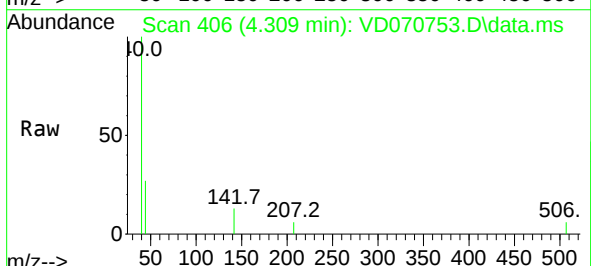
Instrument :
MSVOA_D
ClientSampleId :
WC-1-BSRE

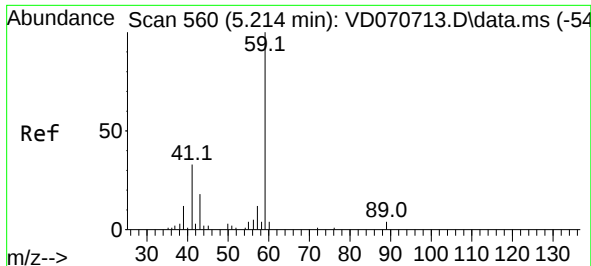
Tgt Ion: 94 Resp: 561
Ion Ratio Lower Upper
94 100
96 2.7 75.5 113.3#



#10
Methyl Iodide
Concen: 3.850 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD070753.D
Acq: 19 Oct 2021 12:40

Tgt Ion:142 Resp: 211
Ion Ratio Lower Upper
142 100
127 105.2 37.5 56.3#
141 0.0 12.1 18.1#

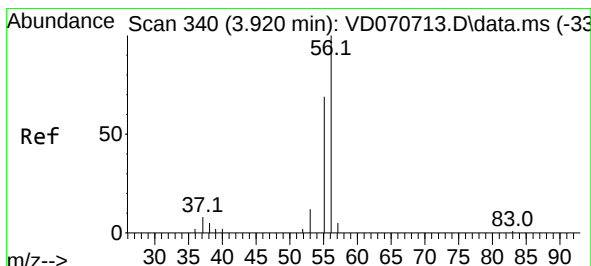
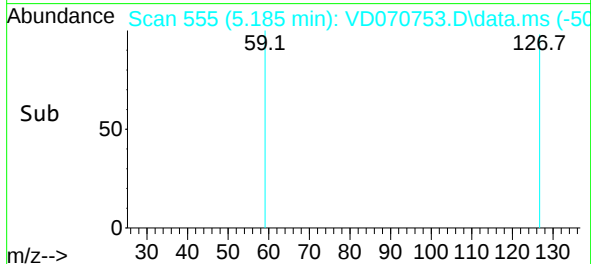
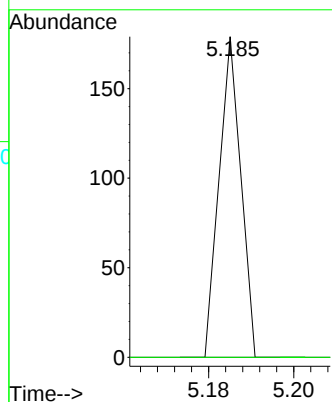
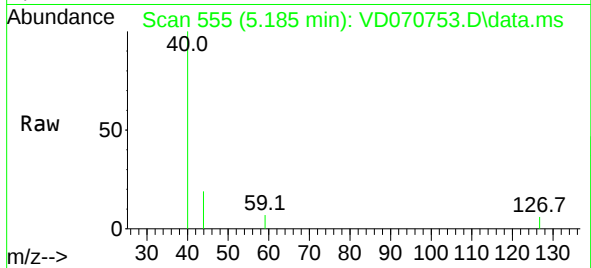




#11
Tert butyl alcohol
Concen: 3.190 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.029 min
Lab File: VD070753.D
Acq: 19 Oct 2021 12:40

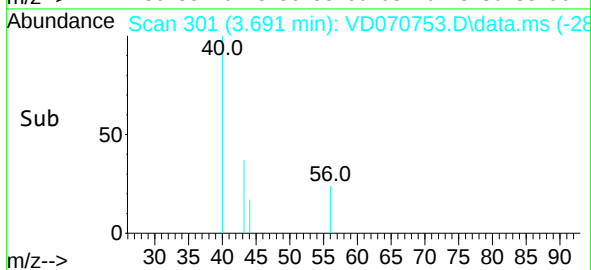
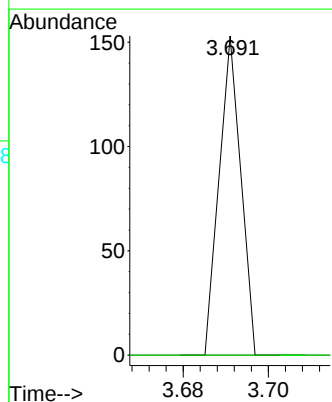
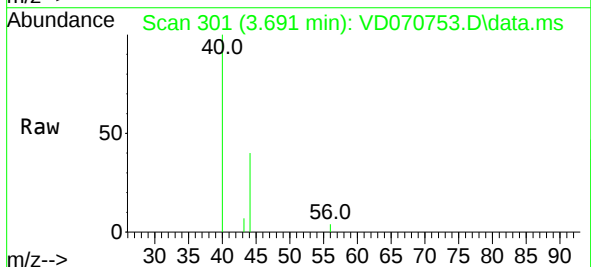
Instrument :
MSVOA_D
ClientSampleId :
WC-1-BSRE

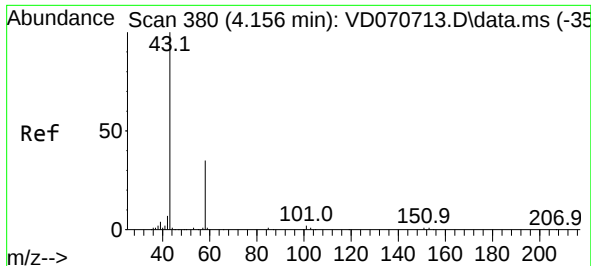
Tgt Ion: 59 Resp: 63
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#



#13
Acrolein
Concen: 2.825 ug/l
RT: 3.691 min Scan# 301
Delta R.T. -0.229 min
Lab File: VD070753.D
Acq: 19 Oct 2021 12:40

Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 56.8 85.2#

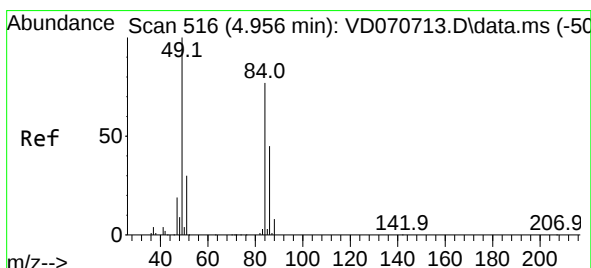
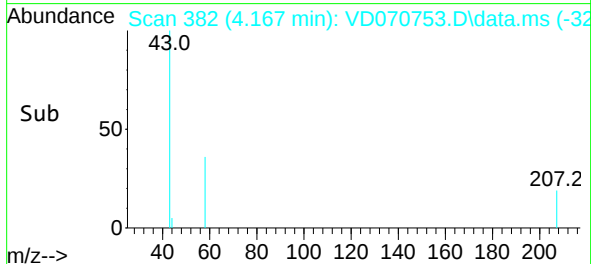
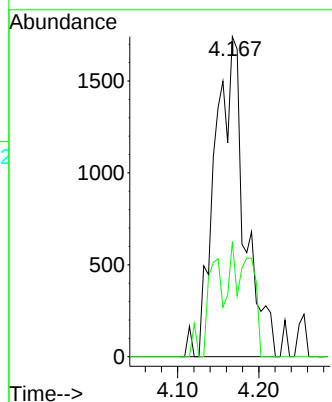
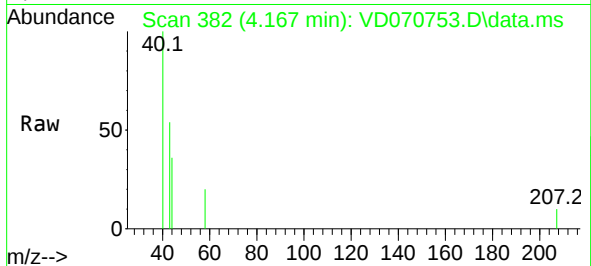




#16
Acetone
Concen: 51.996 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070753.D
Acq: 19 Oct 2021 12:40

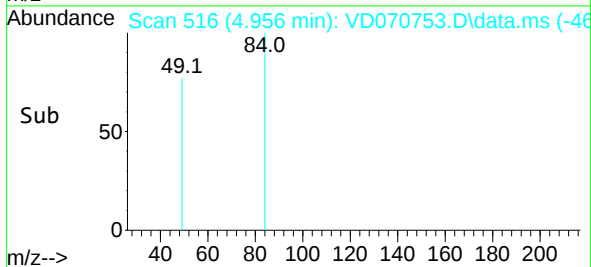
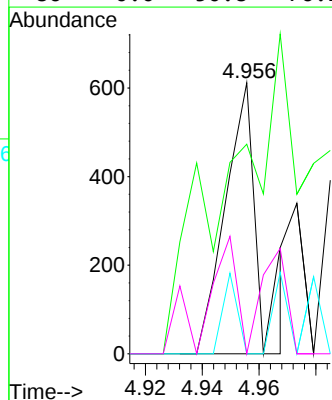
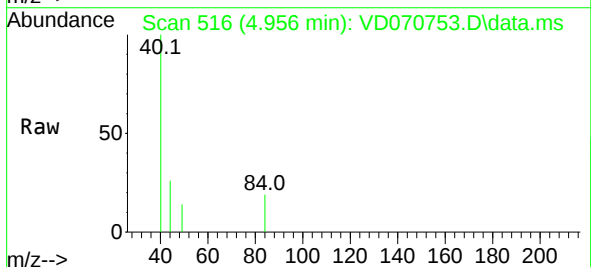
Instrument :
MSVOA_D
ClientSampleId :
WC-1-BSRE

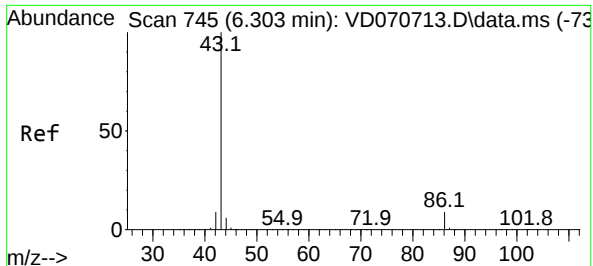
Tgt Ion: 43 Resp: 4425
Ion Ratio Lower Upper
43 100
58 36.0 28.2 42.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.000 min
Lab File: VD070753.D
Acq: 19 Oct 2021 12:40

Tgt Ion: 84 Resp: 503
Ion Ratio Lower Upper
84 100
49 35.9 91.4 137.2#
51 0.0 26.7 40.1#
86 0.0 50.8 76.2#

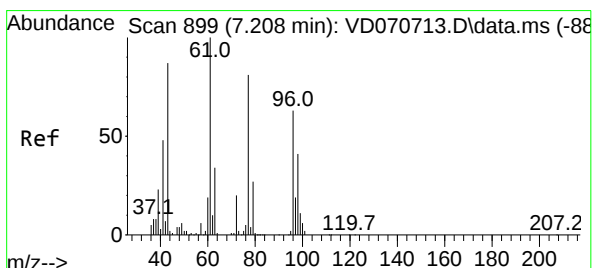
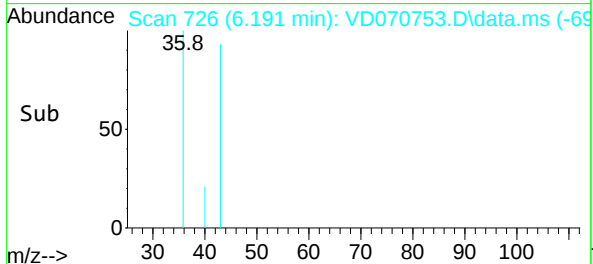
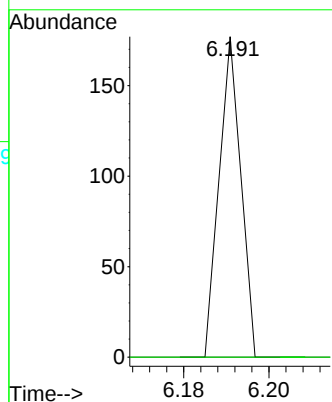
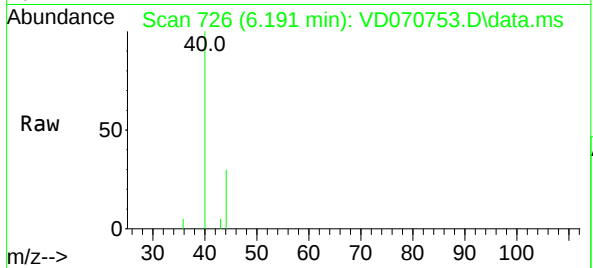




#23
 Vinyl Acetate
 Concen: 16.421 ug/l
 RT: 6.191 min Scan# 726
 Delta R.T. -0.112 min
 Lab File: VD070753.D
 Acq: 19 Oct 2021 12:40

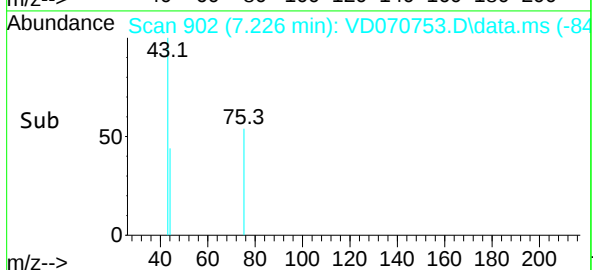
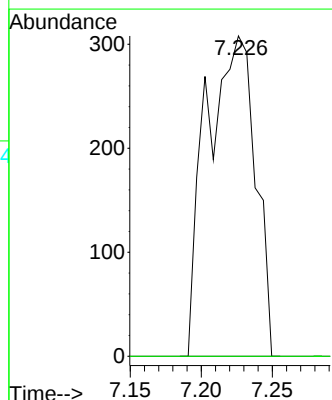
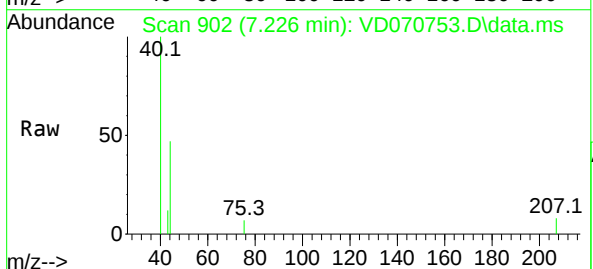
Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1-BSRE

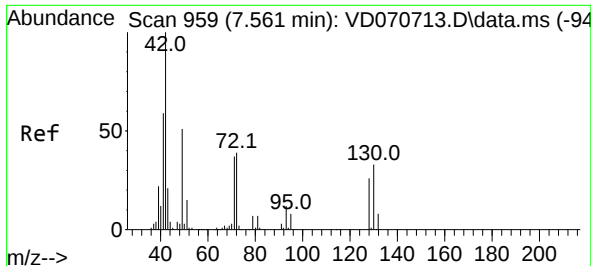
Tgt Ion: 43 Resp: 62
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.8 14.6#



#25
 2-Butanone
 Concen: 6.991 ug/l
 RT: 7.226 min Scan# 902
 Delta R.T. 0.018 min
 Lab File: VD070753.D
 Acq: 19 Oct 2021 12:40

Tgt Ion: 43 Resp: 735
 Ion Ratio Lower Upper
 43 100
 72 0.0 25.2 37.8#





#29

Tetrahydrofuran

Concen: 1.678 ug/l

RT: 7.556 min Scan# 958

Delta R.T. -0.006 min

Lab File: VD070753.D

Acq: 19 Oct 2021 12:40

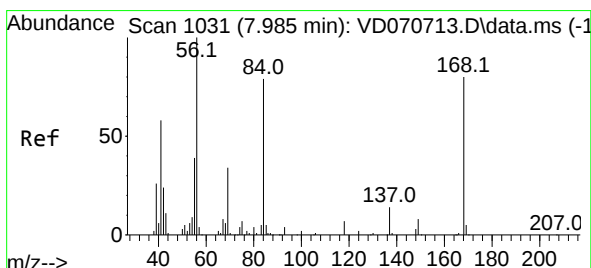
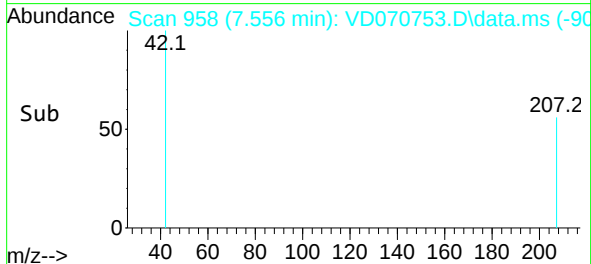
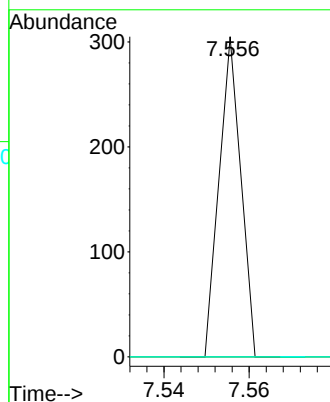
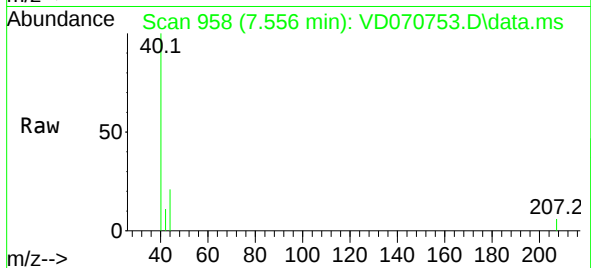
Instrument :

MSVOA_D

ClientSampleId :

WC-1-BSRE

Tgt Ion:	42	Resp:	108
Ion	Ratio	Lower	Upper
42	100		
72	0.0	40.2	60.4#
71	0.0	37.2	55.8#



#31

Cyclohexane

Concen: 1.303 ug/l

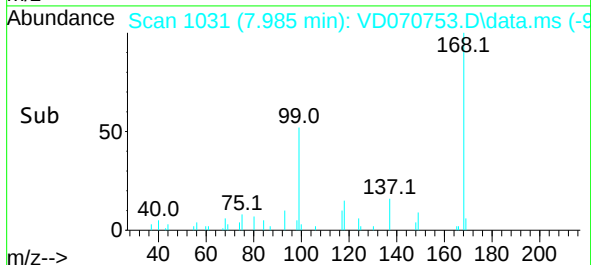
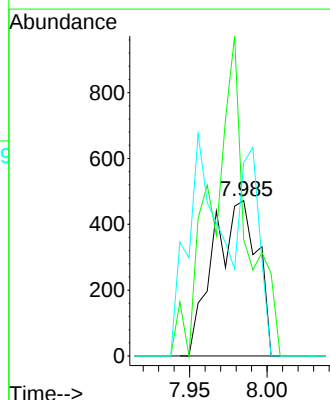
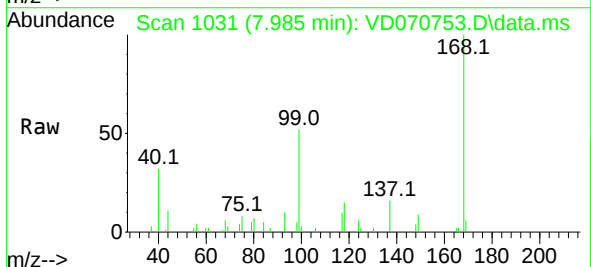
RT: 7.985 min Scan# 1031

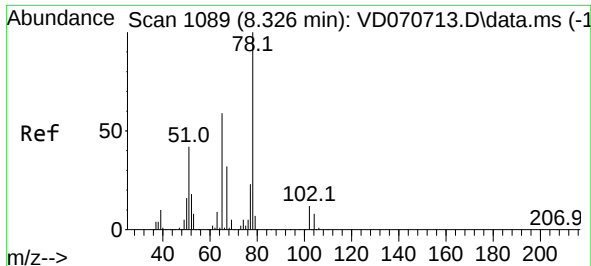
Delta R.T. 0.000 min

Lab File: VD070753.D

Acq: 19 Oct 2021 12:40

Tgt Ion:	56	Resp:	930
Ion	Ratio	Lower	Upper
56	100		
69	75.0	27.4	41.2#
84	124.4	73.6	110.4#

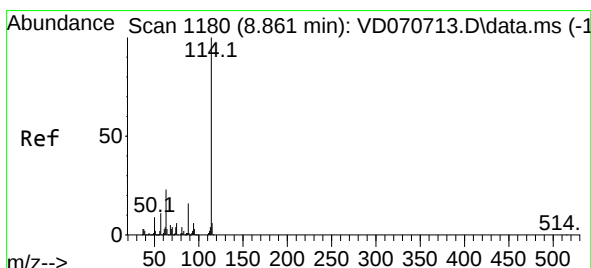
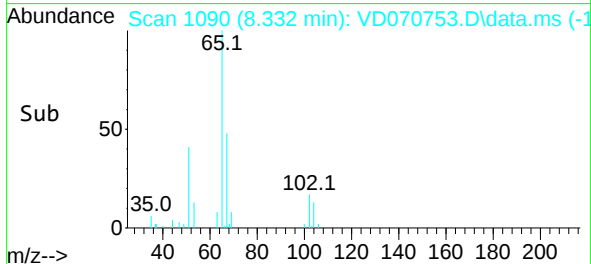
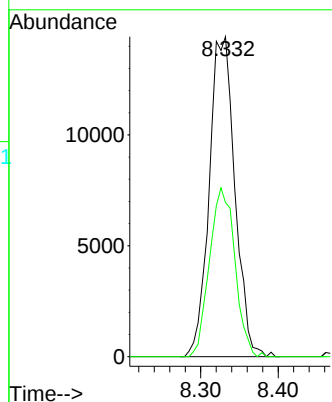
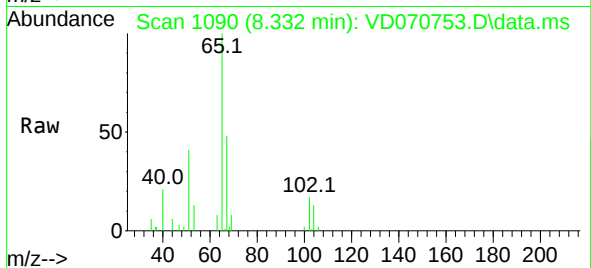




#33
1,2-Dichloroethane-d4
Concen: 94.031 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070753.D
Acq: 19 Oct 2021 12:40

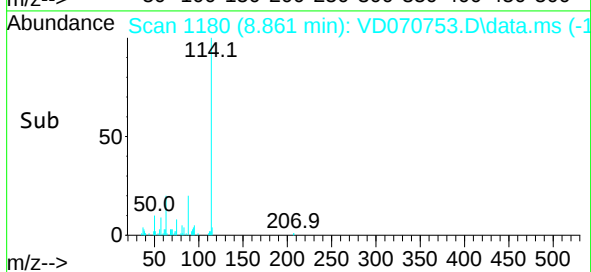
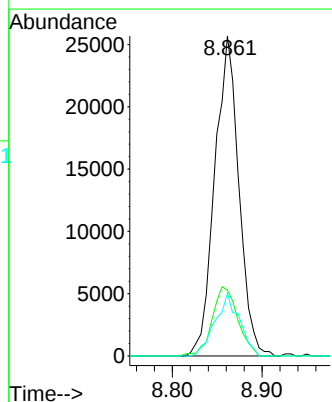
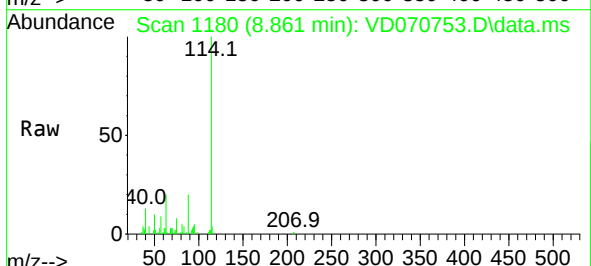
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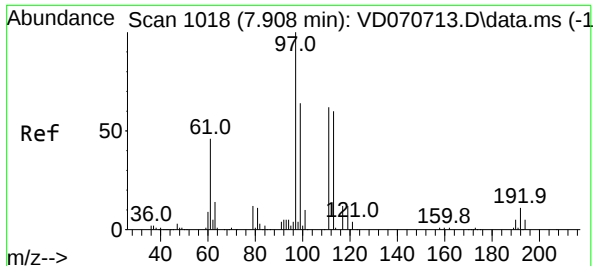
Tgt Ion: 65 Resp: 33178
Ion Ratio Lower Upper
65 100
67 52.2 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070753.D
Acq: 19 Oct 2021 12:40

Tgt Ion: 114 Resp: 47882
Ion Ratio Lower Upper
114 100
63 20.5 0.0 41.8
88 19.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 66.251 ug/l

RT: 7.914 min Scan# 1019

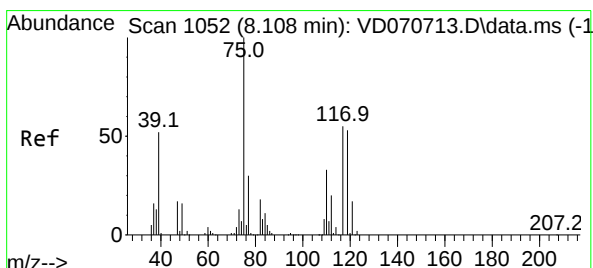
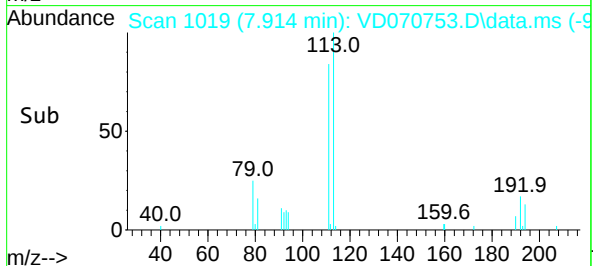
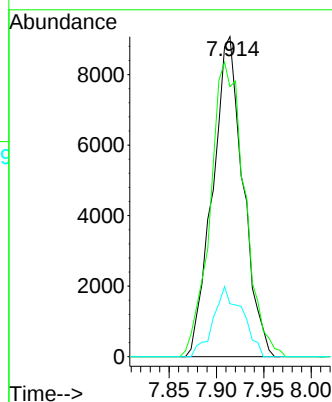
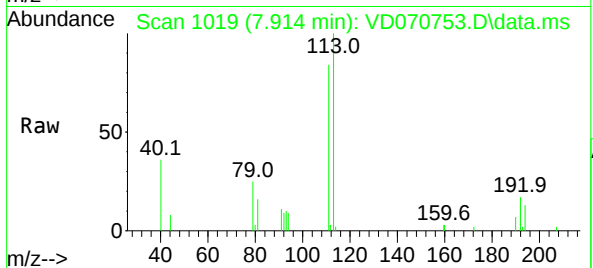
Delta R.T. 0.006 min

Lab File: VD070753.D

Acq: 19 Oct 2021 12:40

Tgt Ion:	113	Resp:	20312
Ion Ratio	Lower	Upper	
113	100		
111	103.5	83.1	124.7
192	21.0	12.7	19.1#

Instrument :
MSVOA_D
ClientSampleId :
WC-1-BSRE



#36

1,1-Dichloropropene

Concen: 5.242 ug/l

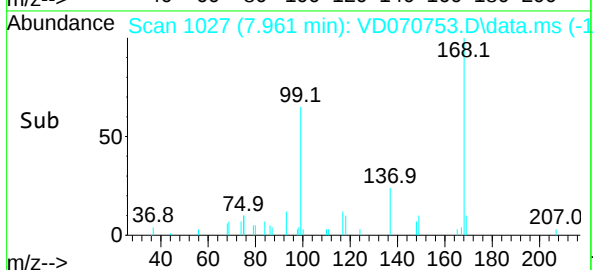
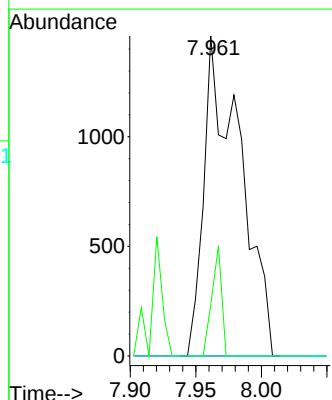
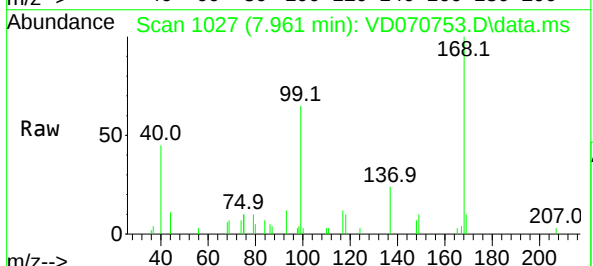
RT: 7.961 min Scan# 1027

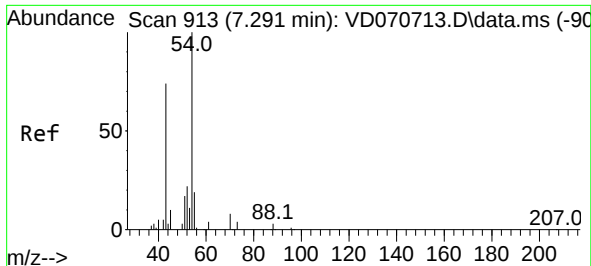
Delta R.T. -0.147 min

Lab File: VD070753.D

Acq: 19 Oct 2021 12:40

Tgt Ion:	75	Resp:	2796
Ion Ratio	Lower	Upper	
75	100		
110	9.3	17.2	51.6#
77	0.0	24.2	36.4#





#37

Ethyl Acetate

Concen: 3.326 ug/l

RT: 7.226 min Scan# 902

Delta R.T. -0.065 min

Lab File: VD070753.D

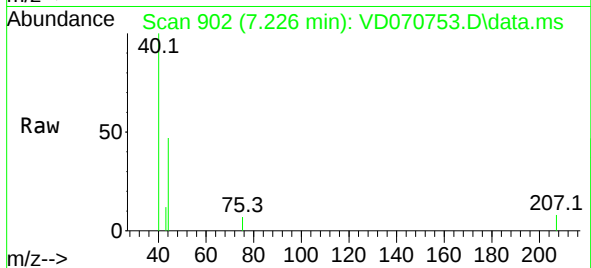
Acq: 19 Oct 2021 12:40

Instrument :

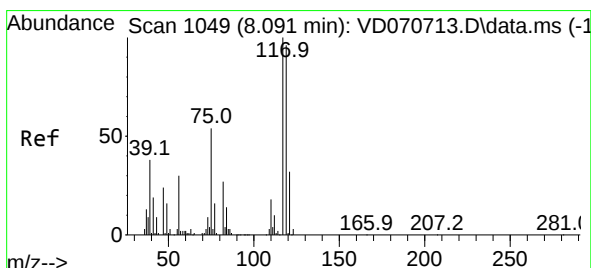
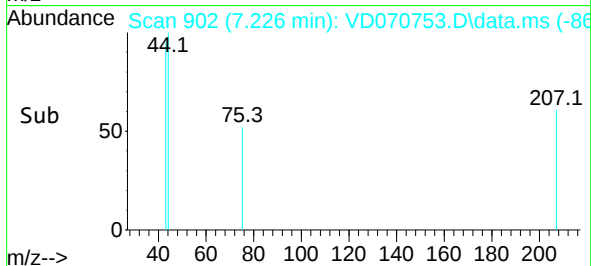
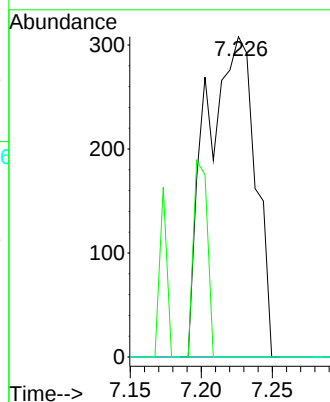
MSVOA_D

ClientSampleId :

WC-1-BSRE



Tgt Ion:	43	Resp:	735
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.9	19.3#
70	0.0	9.9	14.9#



#38

Carbon Tetrachloride

Concen: 5.651 ug/l

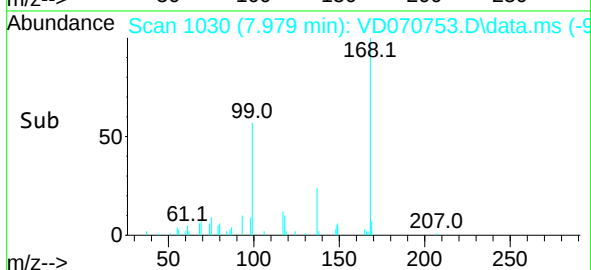
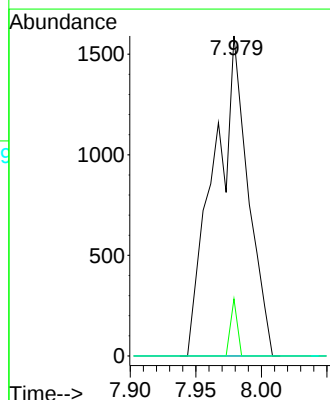
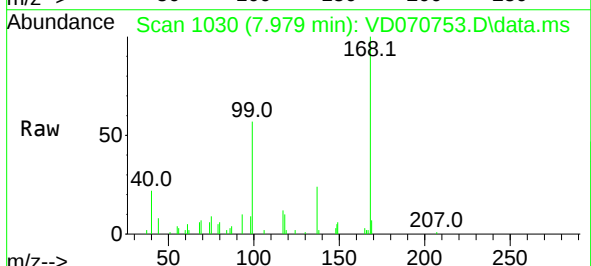
RT: 7.979 min Scan# 1030

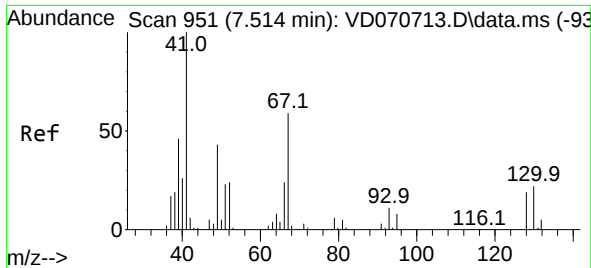
Delta R.T. -0.112 min

Lab File: VD070753.D

Acq: 19 Oct 2021 12:40

Tgt Ion:	117	Resp:	2887
Ion	Ratio	Lower	Upper
117	100		
119	17.9	77.4	116.0#
121	0.0	25.4	38.0#

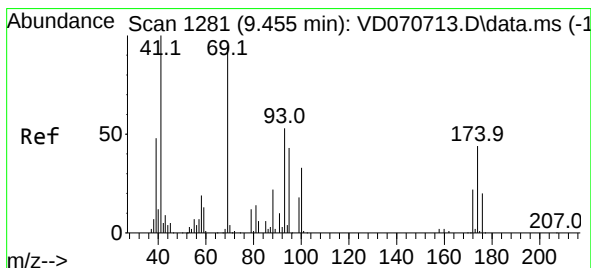
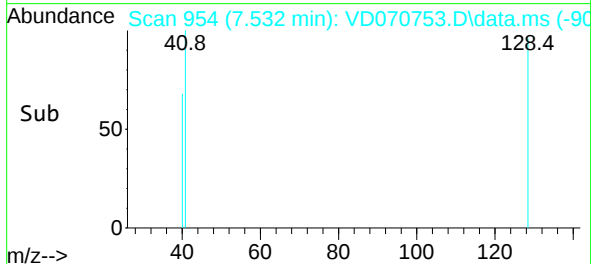
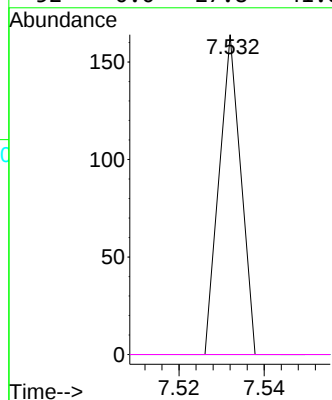
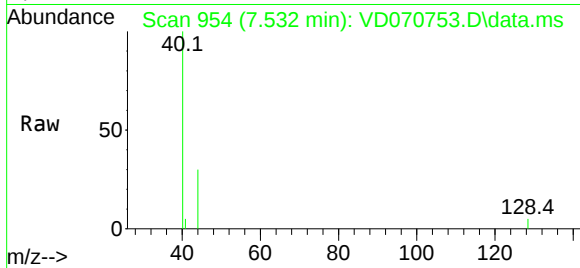




#41
Methacrylonitrile
Concen: 2.343 ug/l
RT: 7.532 min Scan# 954
Delta R.T. 0.018 min
Lab File: VD070753.D
Acq: 19 Oct 2021 12:40

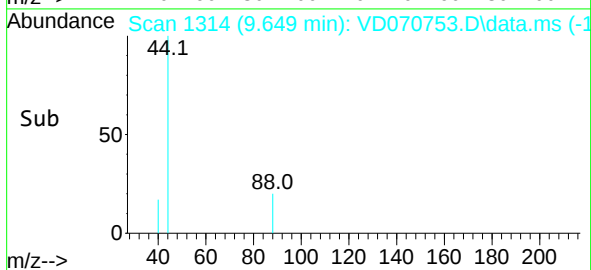
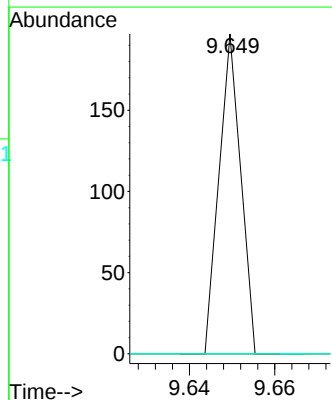
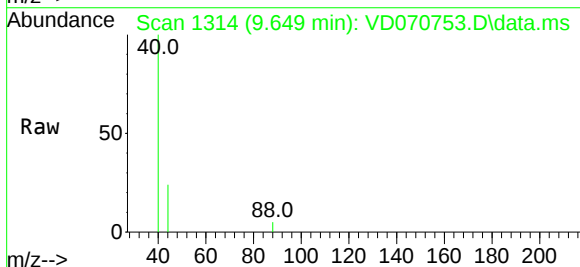
Instrument :
MSVOA_D
ClientSampleId :
WC-1-BSRE

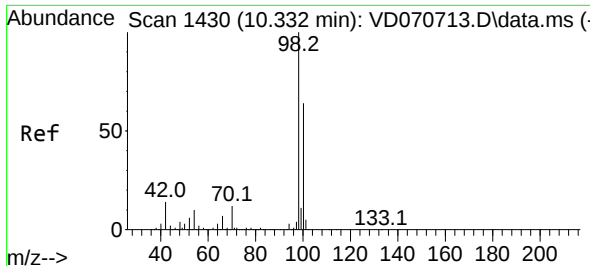
Tgt Ion:	41	Resp:	58
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.2	67.8#
67	0.0	75.8	113.6#
52	0.0	27.8	41.8#



#49
1,4-Dioxane
Concen: 33.061 ug/l
RT: 9.649 min Scan# 1314
Delta R.T. 0.194 min
Lab File: VD070753.D
Acq: 19 Oct 2021 12:40

Tgt Ion:	88	Resp:	69
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.1	37.7#
58	0.0	57.4	86.0#

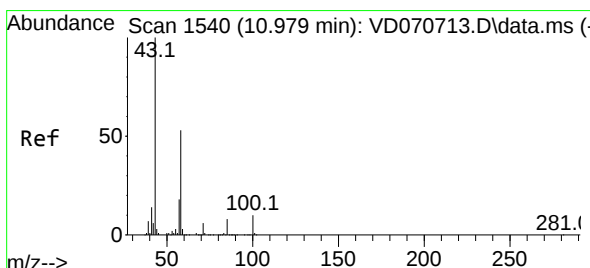
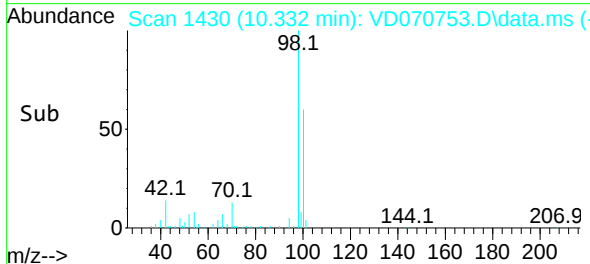
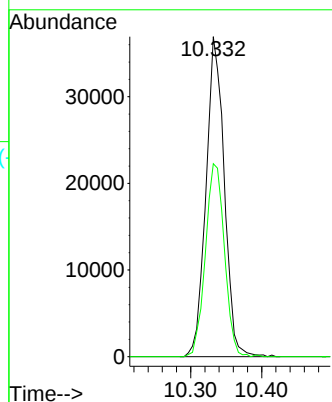
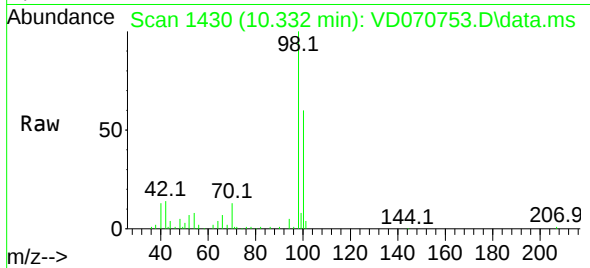




#50
Toluene-d8
Concen: 56.193 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070753.D
Acq: 19 Oct 2021 12:40

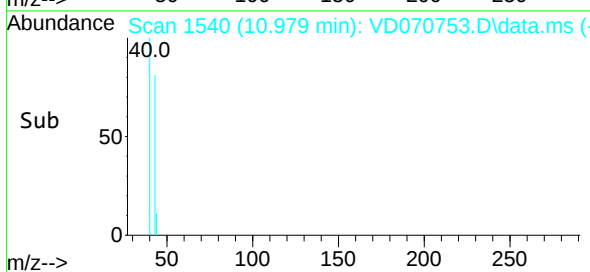
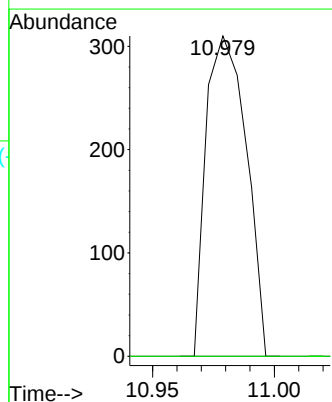
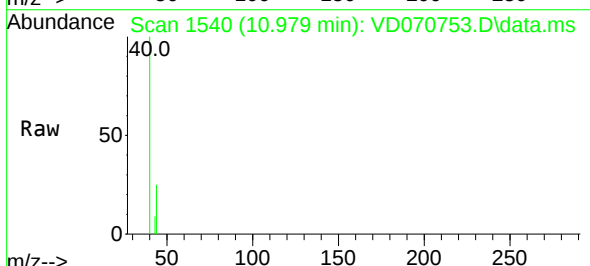
Instrument :
MSVOA_D
ClientSampleId :
WC-1-BSRE

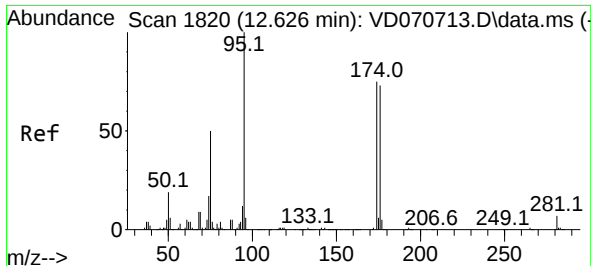
Tgt Ion: 98 Resp: 66042
Ion Ratio Lower Upper
98 100
100 62.8 52.2 78.4



#59
2-Hexanone
Concen: 2.276 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VD070753.D
Acq: 19 Oct 2021 12:40

Tgt Ion: 43 Resp: 356
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#

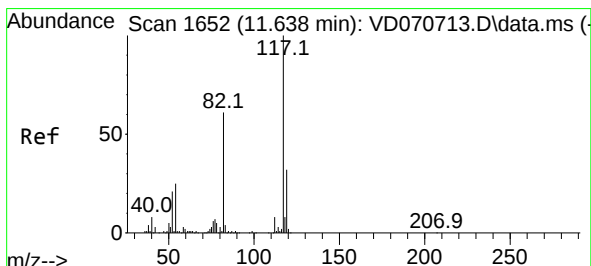
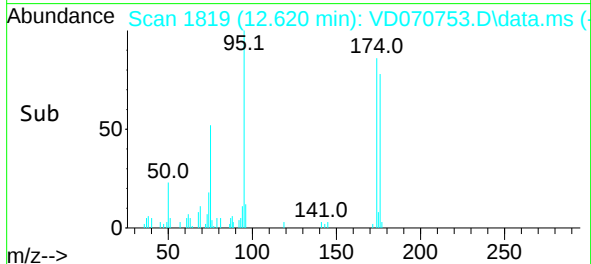
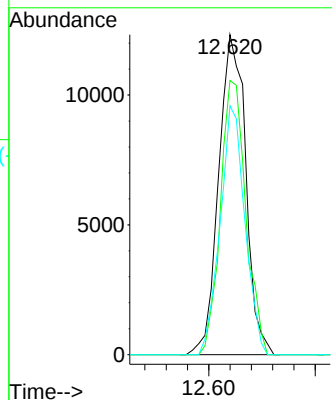
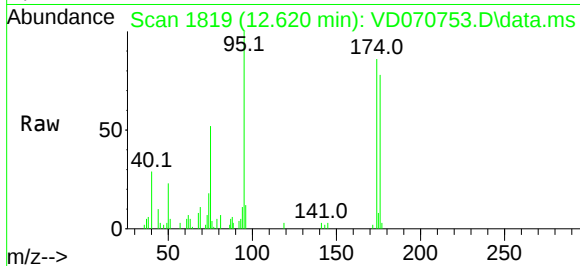




#62
4-Bromofluorobenzene
Concen: 53.521 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070753.D
Acq: 19 Oct 2021 12:40

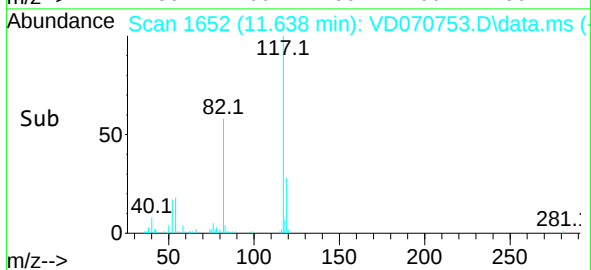
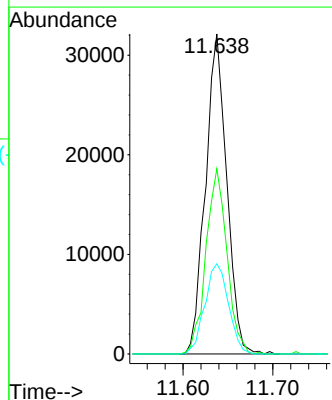
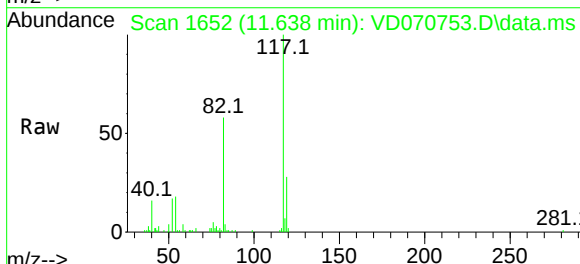
Instrument :
MSVOA_D
ClientSampleId :
WC-1-BSRE

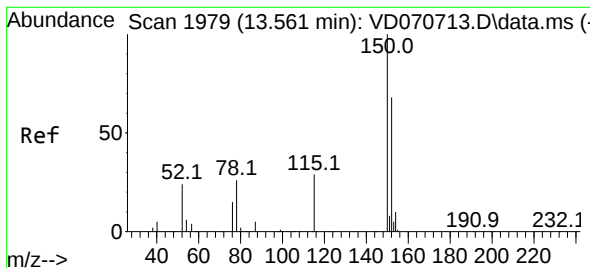
Tgt Ion:	95	Resp:	21659
Ion Ratio	Lower	Upper	
95	100		
174	80.3	0.0	138.0
176	71.2	0.0	135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070753.D
Acq: 19 Oct 2021 12:40

Tgt Ion:	117	Resp:	52912
Ion Ratio	Lower	Upper	
117	100		
82	57.9	45.4	68.2
119	28.2	24.7	37.1

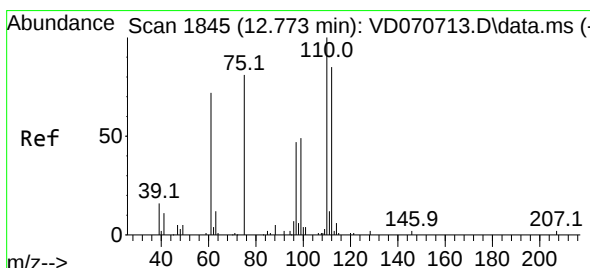
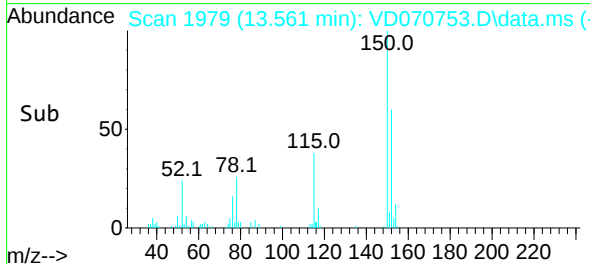
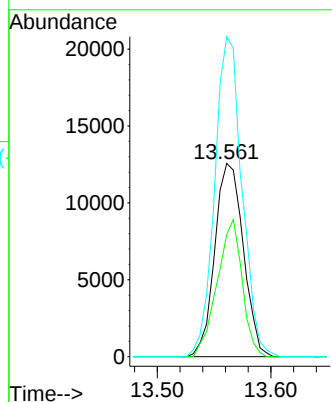
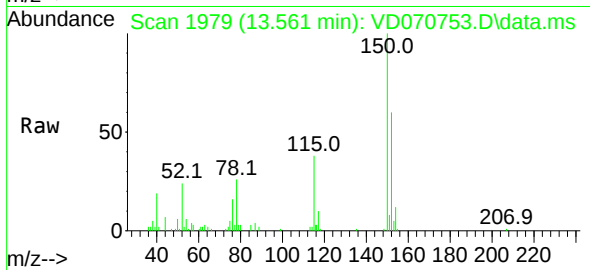




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070753.D
Acq: 19 Oct 2021 12:40

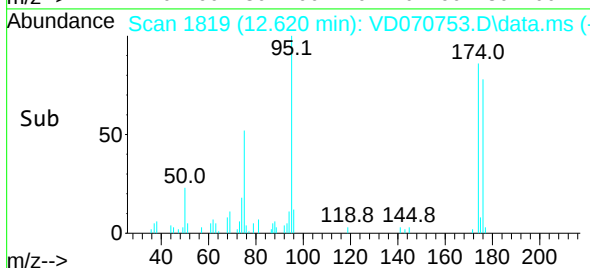
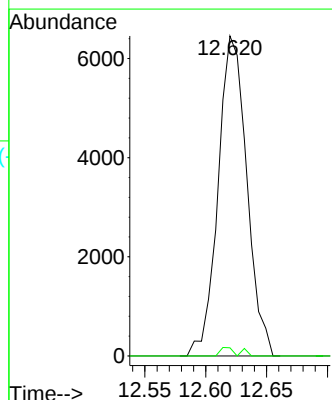
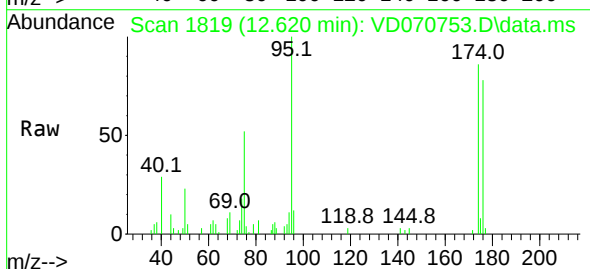
Instrument :
MSVOA_D
ClientSampleId :
WC-1-BSRE

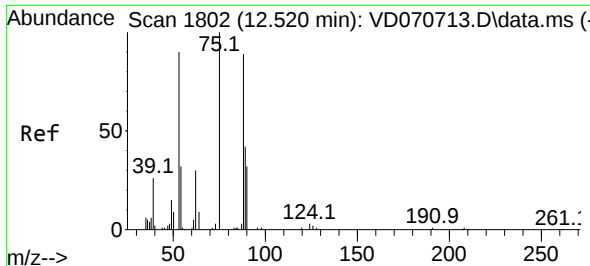
Tgt Ion:152 Resp: 21925
Ion Ratio Lower Upper
152 100
115 62.2 31.9 95.7
150 158.6 0.0 350.0



#76
1,2,3-Trichloropropane
Concen: 55.986 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070753.D
Acq: 19 Oct 2021 12:40

Tgt Ion: 75 Resp: 10605
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#

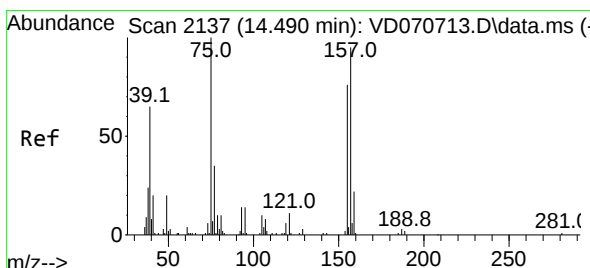
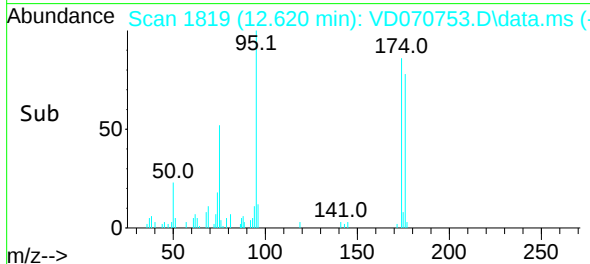
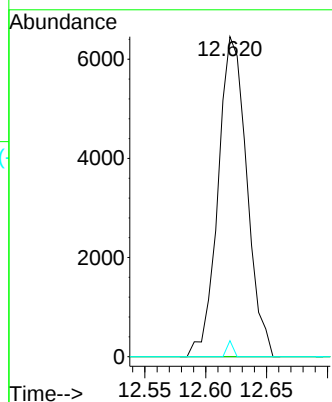
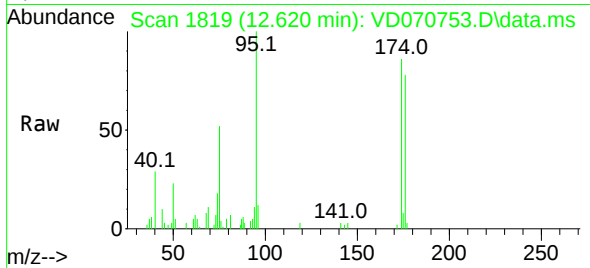




#81
trans-1,4-Dichloro-2-butene
Concen: 122.626 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070753.D
Acq: 19 Oct 2021 12:40

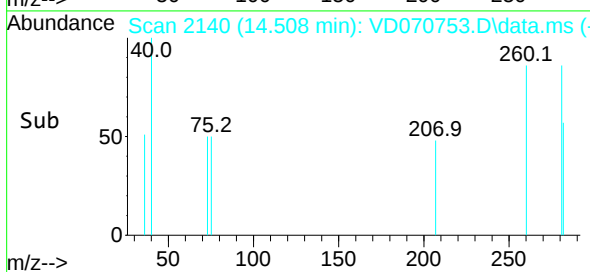
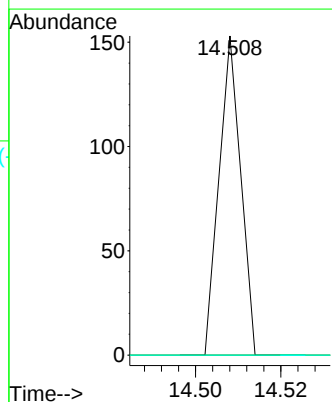
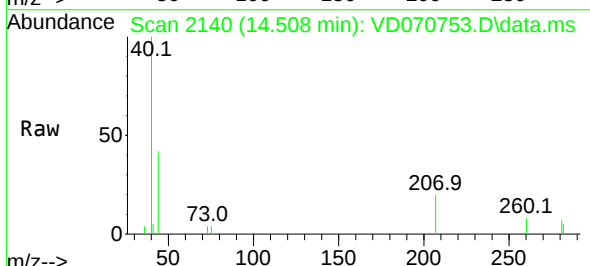
Instrument :
MSVOA_D
ClientSampleId :
WC-1-BSRE

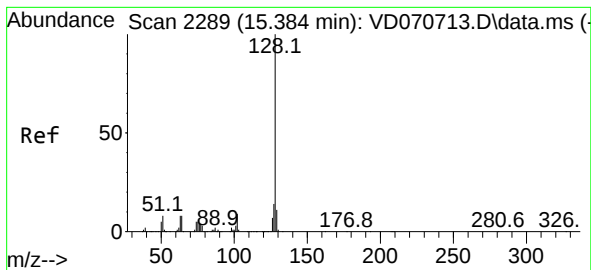
Tgt Ion: 75 Resp: 10605
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 1.1 35.3 52.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.096 ug/l
RT: 14.508 min Scan# 2140
Delta R.T. 0.018 min
Lab File: VD070753.D
Acq: 19 Oct 2021 12:40

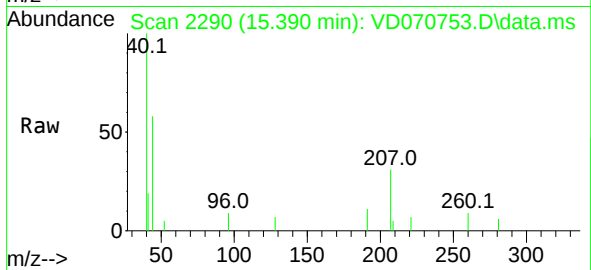
Tgt Ion: 75 Resp: 54
Ion Ratio Lower Upper
75 100
155 0.0 38.1 114.5#
157 0.0 47.6 142.9#





#95
Naphthalene
Concen: 4.963 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD070753.D
Acq: 19 Oct 2021 12:40

Instrument :
MSVOA_D
ClientSampleId :
WC-1-BSRE



Tgt Ion:128 Resp: 134
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

