

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101821\
 Data File : VD070738.D
 Acq On : 18 Oct 2021 19:06
 Operator : VA/SY
 Sample : M4252-07
 Misc : 5.67G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-CA-(1)

Quant Time: Oct 19 06:42:26 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)

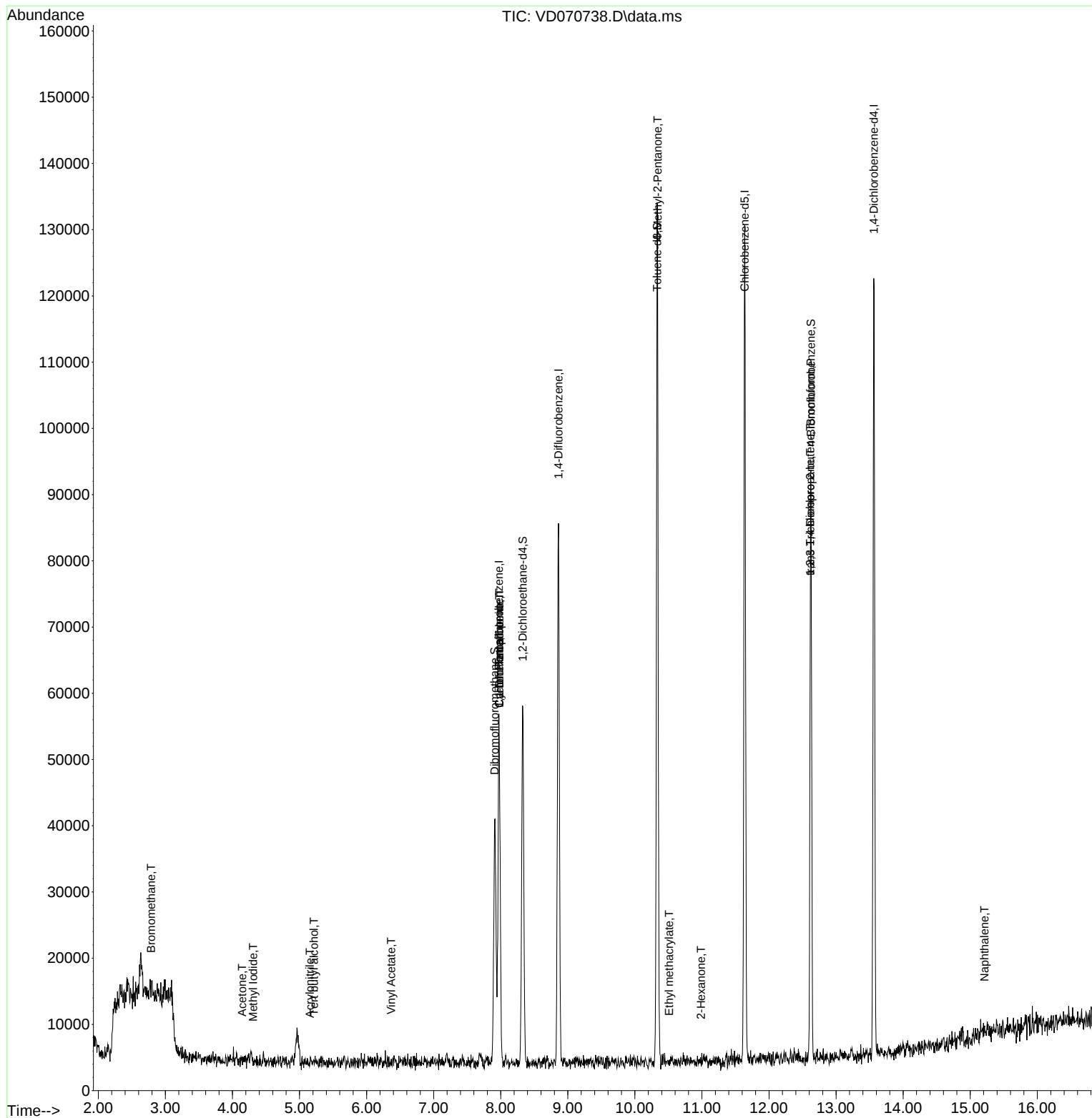
Internal Standards						
1) Pentafluorobenzene	7.973	168	35224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	64059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	69764	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	29706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	43369	103.952	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 207.900%#			
35) Dibromofluoromethane	7.909	113	26716	65.133	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 130.260%			
50) Toluene-d8	10.332	98	84554	53.776	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.560%			
62) 4-Bromofluorobenzene	12.626	95	29697	54.852	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.700%			
Target Compounds						Qvalue
5) Bromomethane	2.785	94	1312	3.436	ug/l	86
10) Methyl Iodide	4.309	142	74	3.477	ug/l #	38
11) Tert butyl alcohol	5.215	59	77	3.297	ug/l #	83
15) Acrylonitrile	5.156	53	182	1.833	ug/l #	18
16) Acetone	4.144	43	124	1.232	ug/l #	40
20) Methylene Chloride	4.962	84	2154	Below Cal	#	65
23) Vinyl Acetate	6.368	43	68	16.414	ug/l #	69
31) Cyclohexane	7.979	56	1244	1.474	ug/l #	28
36) 1,1-Dichloropropene	7.979	75	3419	4.791	ug/l #	46
38) Carbon Tetrachloride	7.979	117	4331	6.336	ug/l #	12
51) 4-Methyl-2-Pentanone	10.338	43	422	1.420	ug/l #	1
56) Ethyl methacrylate	10.508	69	57	4.263	ug/l #	26
59) 2-Hexanone	10.985	43	211	1.008	ug/l #	20
71) Bromoform	12.620	173	504	1.833	ug/l #	28
76) 1,2,3-Trichloropropane	12.614	75	15326	59.716	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	15326	130.797	ug/l #	17
95) Naphthalene	15.214	128	61	4.850	ug/l #	69

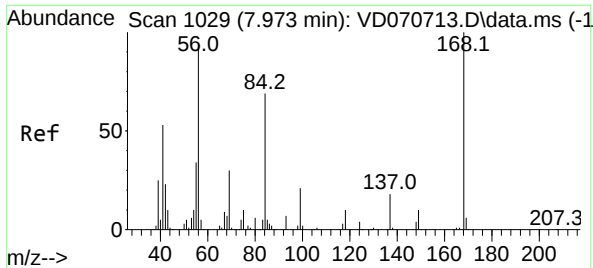
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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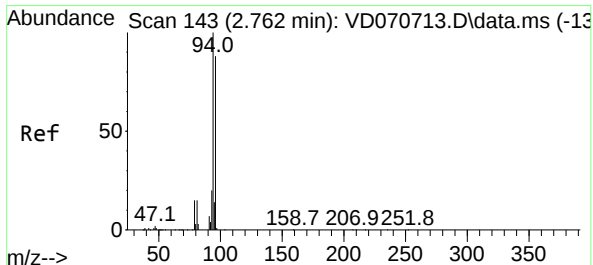
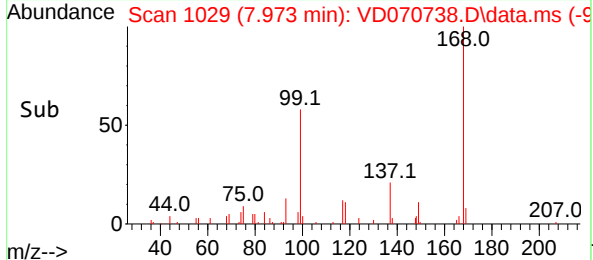
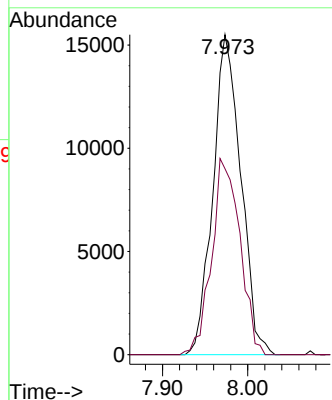
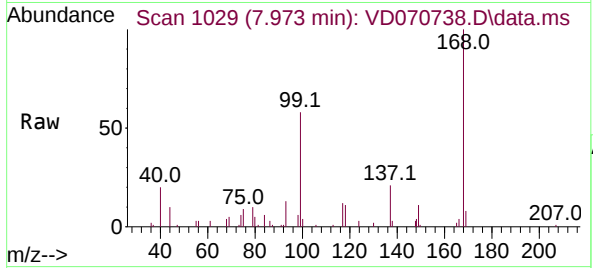




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD070738.D
Acq: 18 Oct 2021 19:06

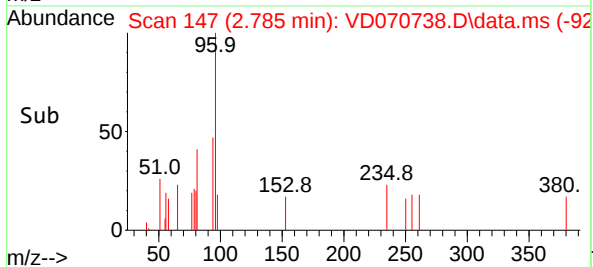
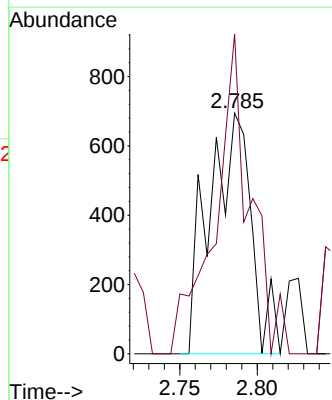
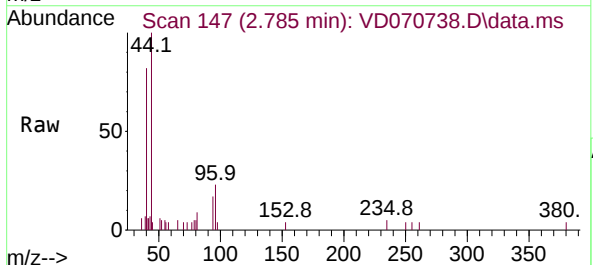
Instrument :
MSVOA_D
ClientSampleID :
MH-CA-(1)

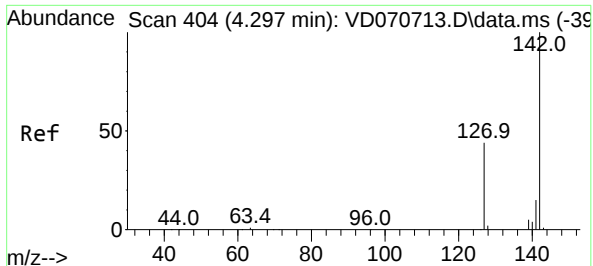
Tgt Ion:168 Resp: 35224
Ion Ratio Lower Upper
168 100
99 58.1 51.4 77.0



#5
Bromomethane
Concen: 3.436 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.024 min
Lab File: VD070738.D
Acq: 18 Oct 2021 19:06

Tgt Ion: 94 Resp: 1312
Ion Ratio Lower Upper
94 100
96 107.9 75.5 113.3

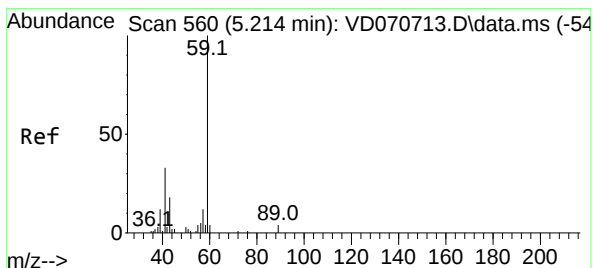
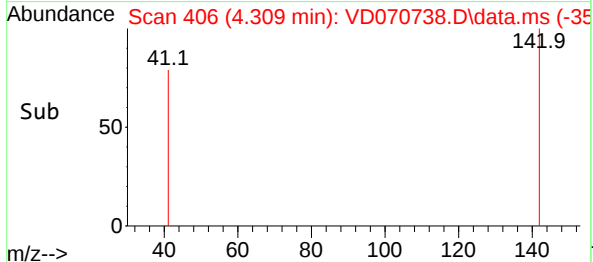
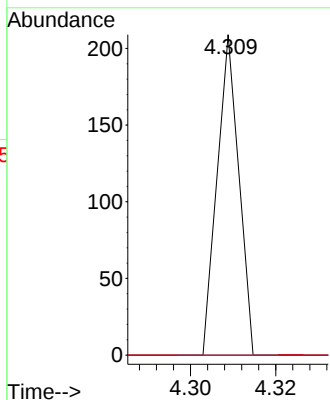
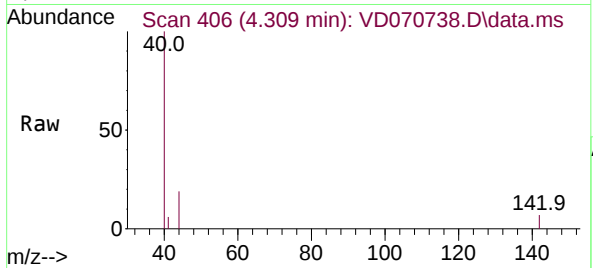




#10
Methyl Iodide
Concen: 3.477 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD070738.D
Acq: 18 Oct 2021 19:06

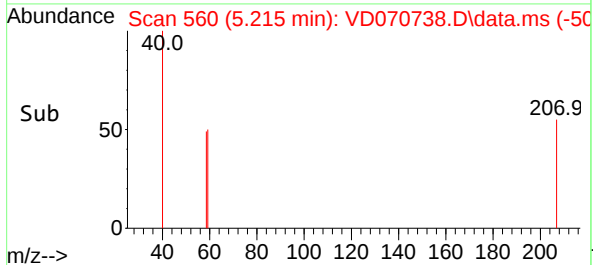
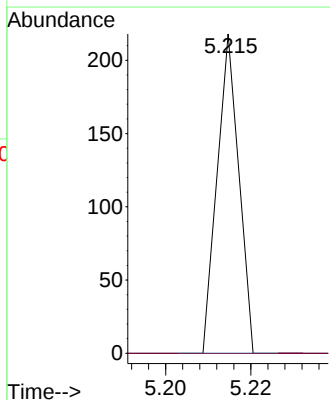
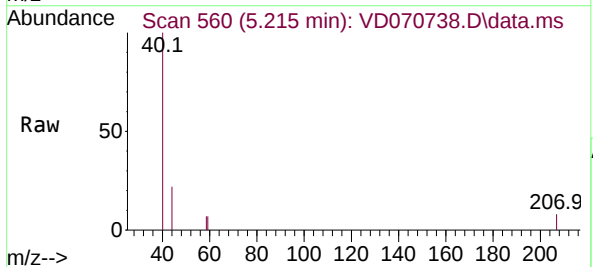
Instrument :
MSVOA_D
ClientSampleId :
MH-CA-(1)

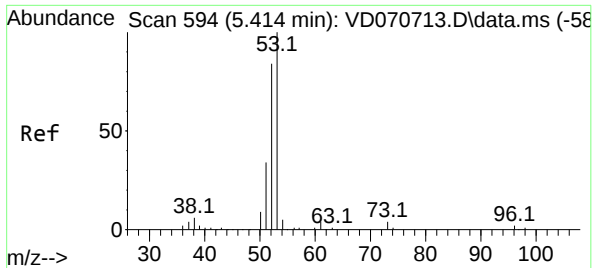
Tgt Ion:142 Resp: 74
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: 3.297 ug/l
RT: 5.215 min Scan# 560
Delta R.T. 0.000 min
Lab File: VD070738.D
Acq: 18 Oct 2021 19:06

Tgt Ion: 59 Resp: 77
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

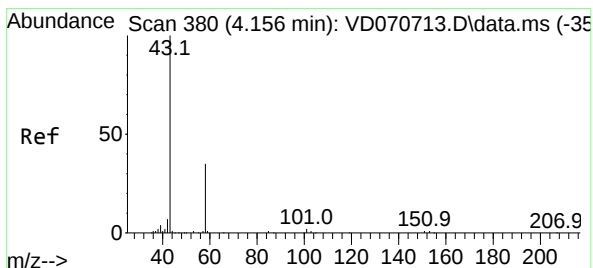
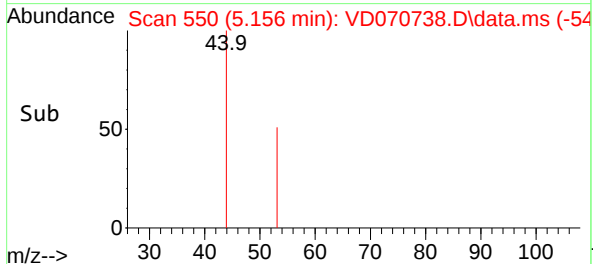
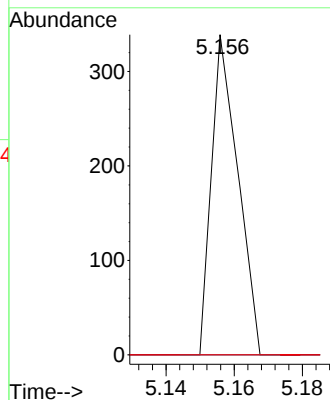
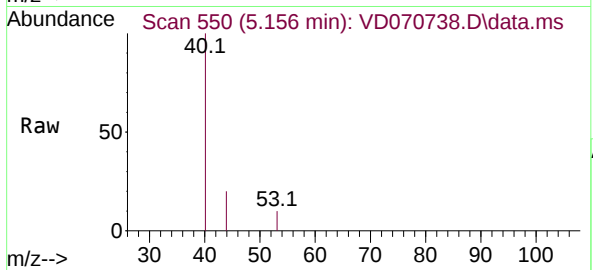




#15
Acrylonitrile
Concen: 1.833 ug/l
RT: 5.156 min Scan# 550
Delta R.T. -0.259 min
Lab File: VD070738.D
Acq: 18 Oct 2021 19:06

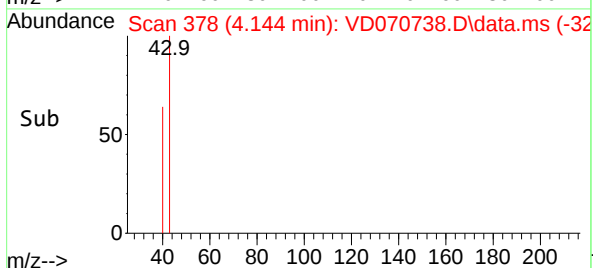
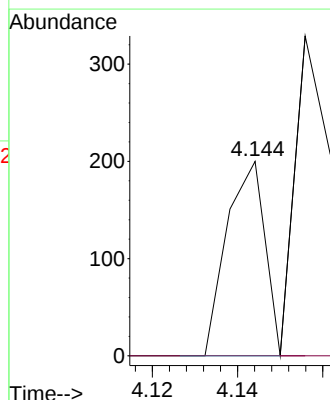
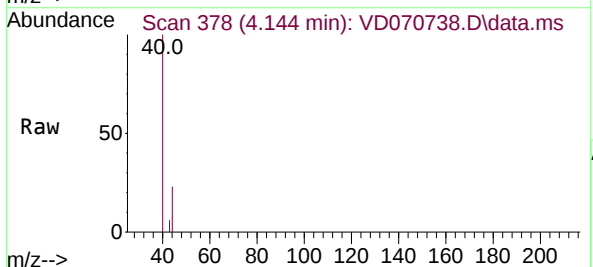
Instrument :
MSVOA_D
ClientSampleId :
MH-CA-(1)

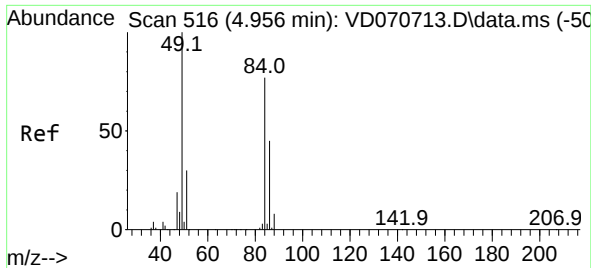
Tgt Ion:	53	Resp:	182
Ion	Ratio	Lower	Upper
53	100		
52	0.0	64.6	97.0#
51	0.0	28.7	43.1#



#16
Acetone
Concen: 1.232 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.012 min
Lab File: VD070738.D
Acq: 18 Oct 2021 19:06

Tgt Ion:	43	Resp:	124
Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.2	42.2#

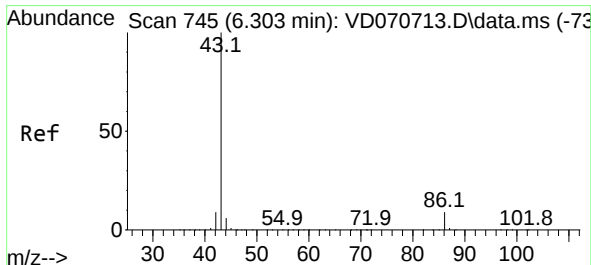
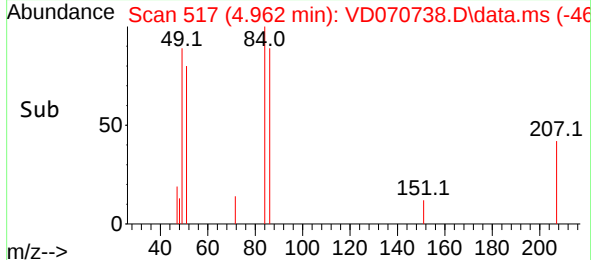
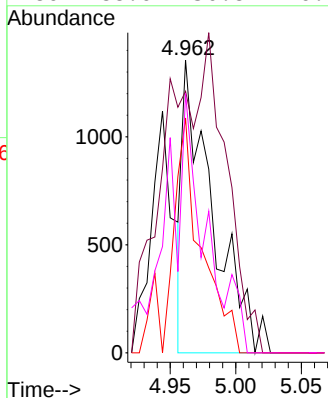
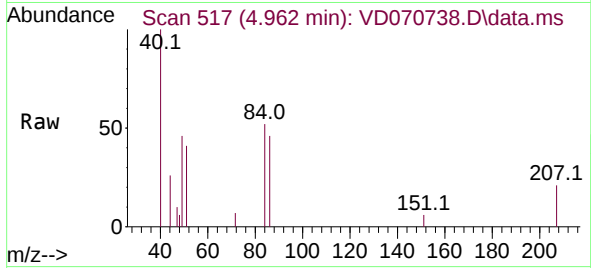




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD070738.D
Acq: 18 Oct 2021 19:06

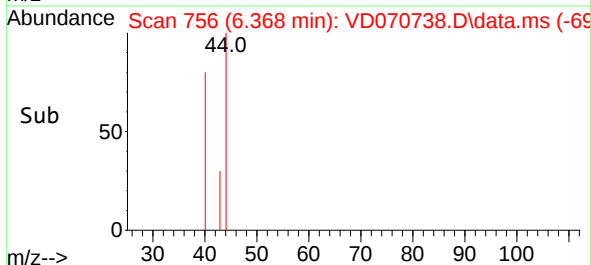
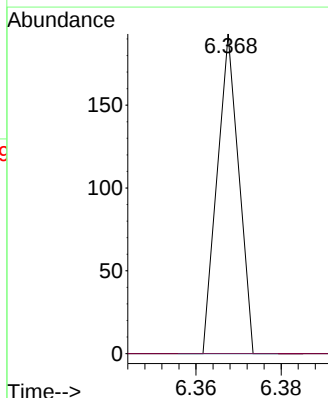
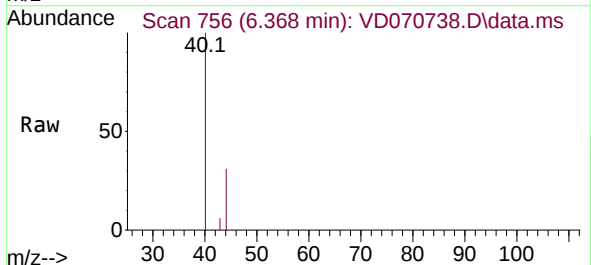
Instrument :
MSVOA_D
ClientSampleID :
MH-CA-(1)

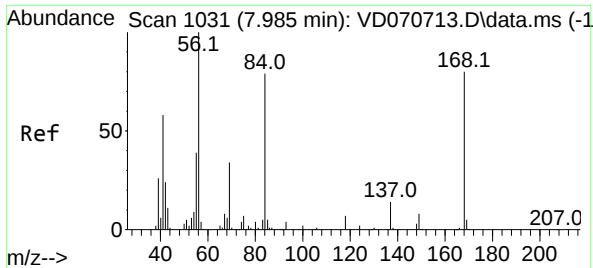
Tgt Ion:	84	Resp:	2154
Ion	Ratio	Lower	Upper
84	100		
49	89.4	91.4	137.2#
51	80.2	26.7	40.1#
86	88.6	50.8	76.2#



#23
Vinyl Acetate
Concen: 16.414 ug/l
RT: 6.368 min Scan# 756
Delta R.T. 0.065 min
Lab File: VD070738.D
Acq: 18 Oct 2021 19:06

Tgt Ion:	43	Resp:	68
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.8	14.6#





#31

Cyclohexane

Concen: 1.474 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD070738.D

Acq: 18 Oct 2021 19:06

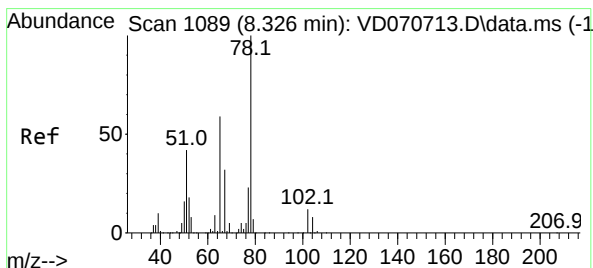
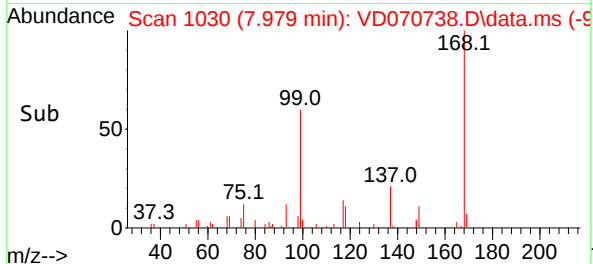
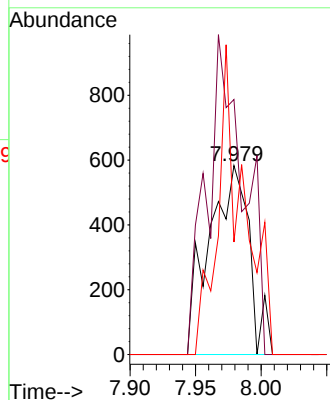
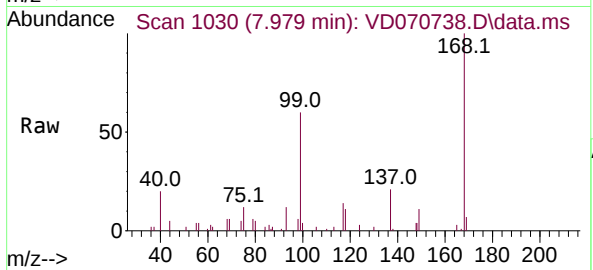
Instrument :

MSVOA_D

ClientSampleId :

MH-CA-(1)

Tgt Ion:	56	Resp:	1244
Ion Ratio	Lower	Upper	
56	100		
69	135.0	27.4	41.2#
84	59.5	73.6	110.4#



#33

1,2-Dichloroethane-d4

Concen: 103.952 ug/l

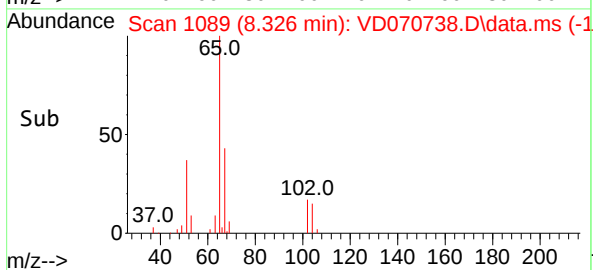
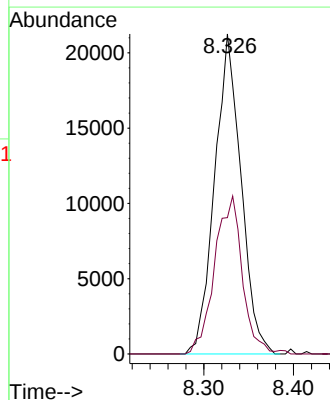
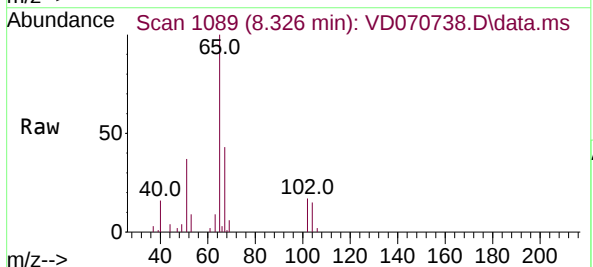
RT: 8.326 min Scan# 1089

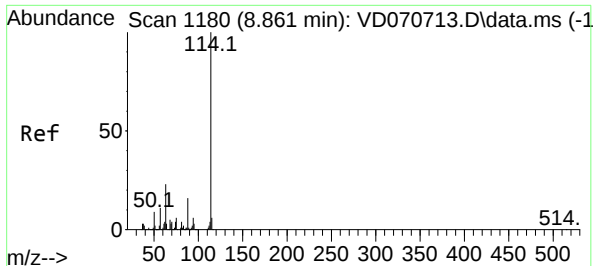
Delta R.T. 0.000 min

Lab File: VD070738.D

Acq: 18 Oct 2021 19:06

Tgt Ion:	65	Resp:	43369
Ion Ratio	Lower	Upper	
65	100		
67	51.9	0.0	110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

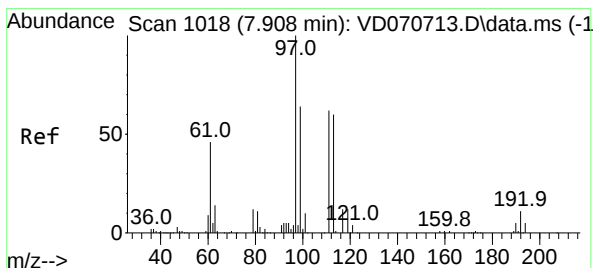
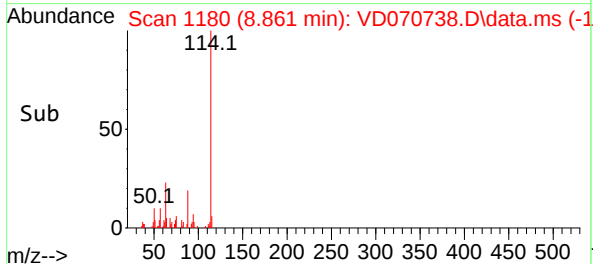
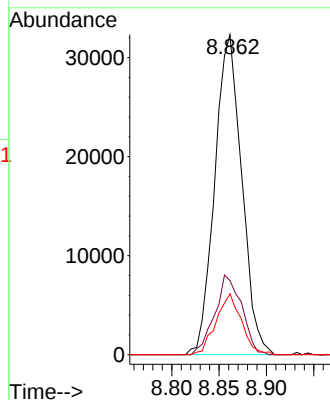
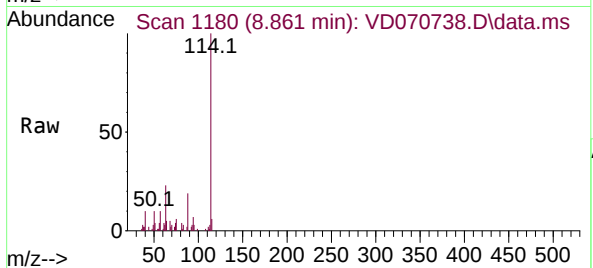
RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070738.D

Acq: 18 Oct 2021 19:06

Tgt Ion:	114	Resp:	64059
Ion Ratio	Lower	Upper	
114	100		
63	23.2	0.0	41.8
88	19.0	0.0	32.6



#35

Dibromofluoromethane

Concen: 65.133 ug/l

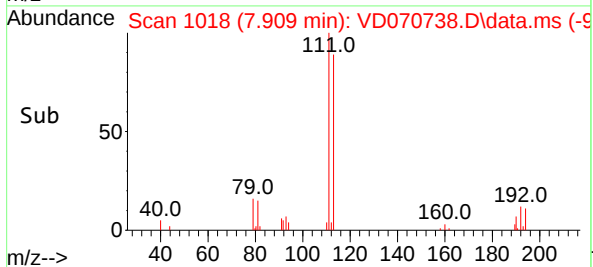
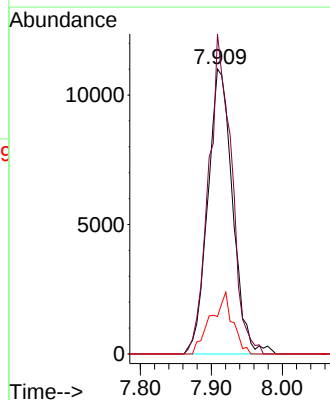
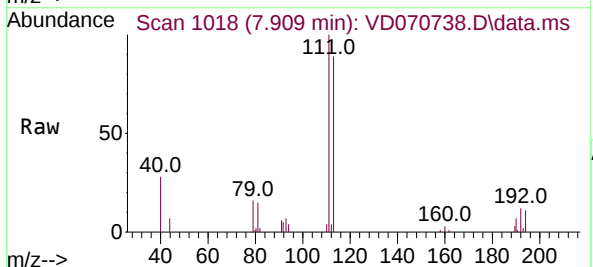
RT: 7.909 min Scan# 1018

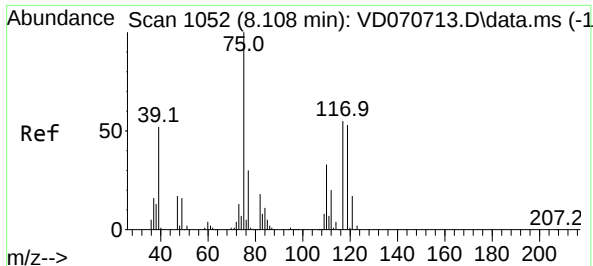
Delta R.T. 0.000 min

Lab File: VD070738.D

Acq: 18 Oct 2021 19:06

Tgt Ion:	113	Resp:	26716
Ion Ratio	Lower	Upper	
113	100		
111	103.9	83.1	124.7
192	19.0	12.7	19.1



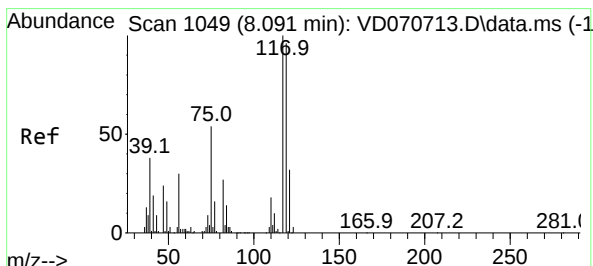
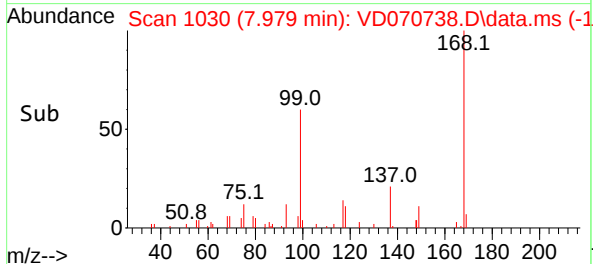
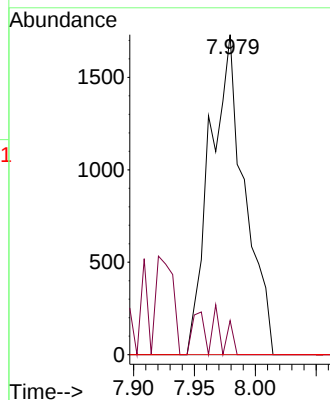
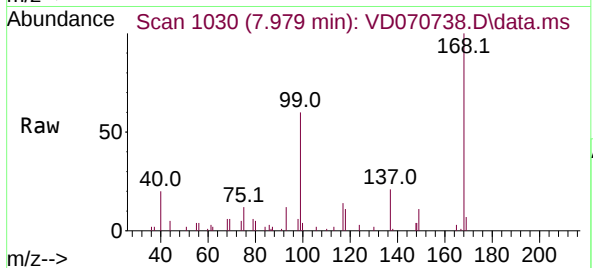


#36

1,1-Dichloropropene
Concen: 4.791 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070738.D
Acq: 18 Oct 2021 19:06

Instrument :
MSVOA_D
ClientSampled :
MH-CA-(1)

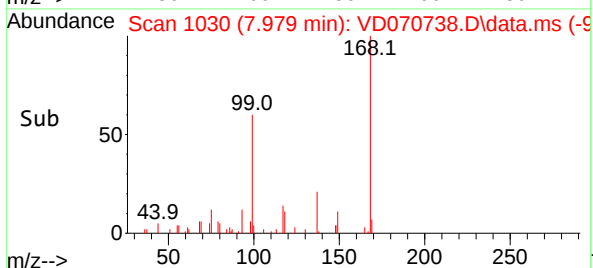
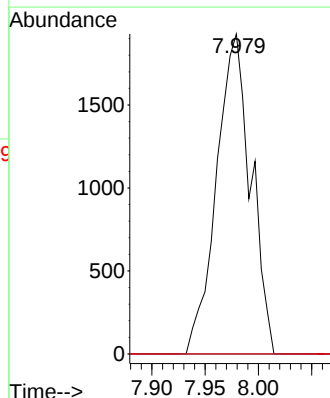
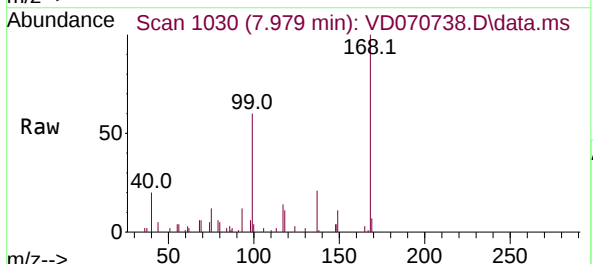
Tgt Ion: 75 Resp: 3419
Ion Ratio Lower Upper
75 100
110 4.7 17.2 51.6#
77 0.0 24.2 36.4#

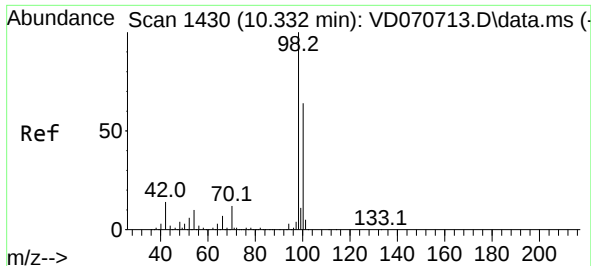


#38

Carbon Tetrachloride
Concen: 6.336 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070738.D
Acq: 18 Oct 2021 19:06

Tgt Ion: 117 Resp: 4331
Ion Ratio Lower Upper
117 100
119 0.0 77.4 116.0#
121 0.0 25.4 38.0#

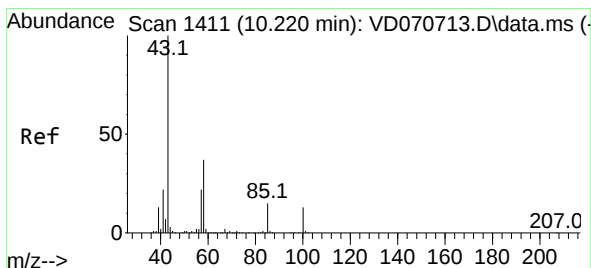
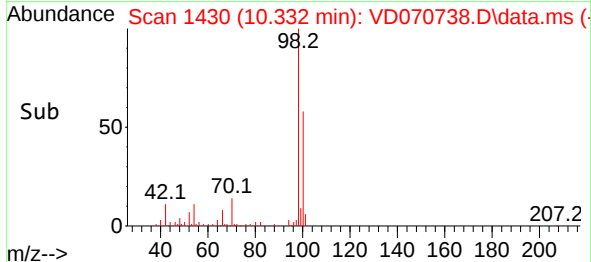
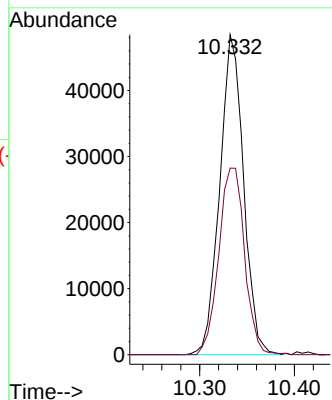
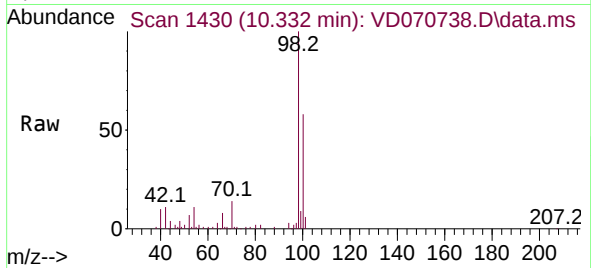




#50
Toluene-d8
Concen: 53.776 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070738.D
Acq: 18 Oct 2021 19:06

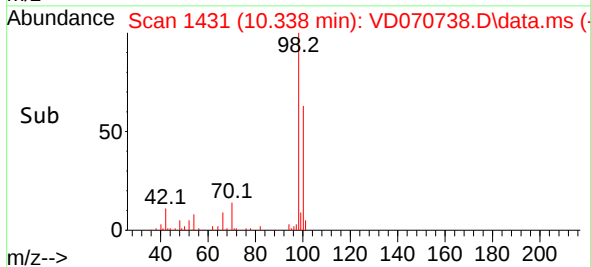
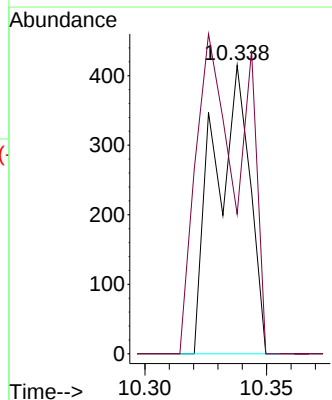
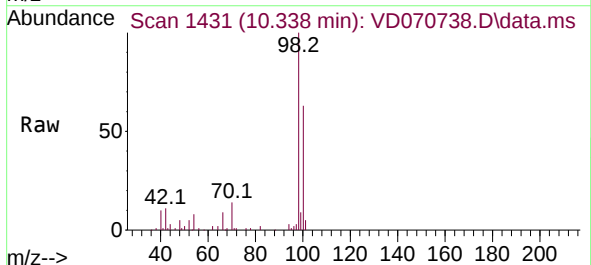
Instrument :
MSVOA_D
ClientSampleId :
MH-CA-(1)

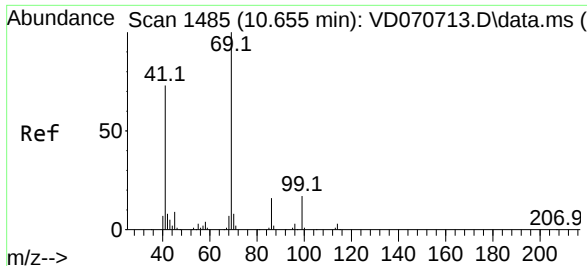
Tgt Ion: 98 Resp: 84554
Ion Ratio Lower Upper
98 100
100 63.3 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.420 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.118 min
Lab File: VD070738.D
Acq: 18 Oct 2021 19:06

Tgt Ion: 43 Resp: 422
Ion Ratio Lower Upper
43 100
58 142.2 35.0 52.6#

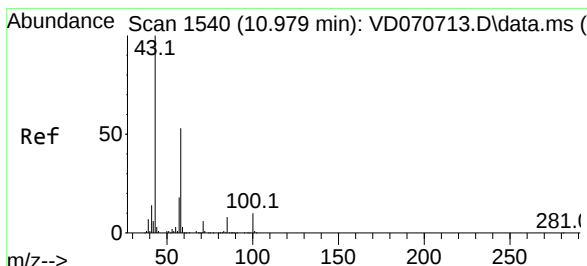
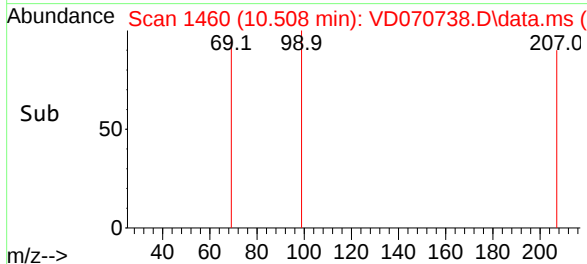
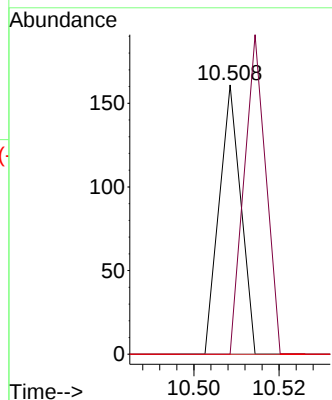
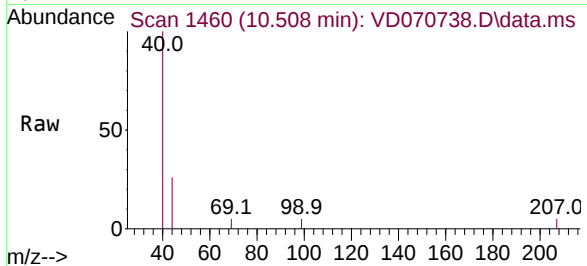




#56
Ethyl methacrylate
Concen: 4.263 ug/l
RT: 10.508 min Scan# 1460
Delta R.T. -0.147 min
Lab File: VD070738.D
Acq: 18 Oct 2021 19:06

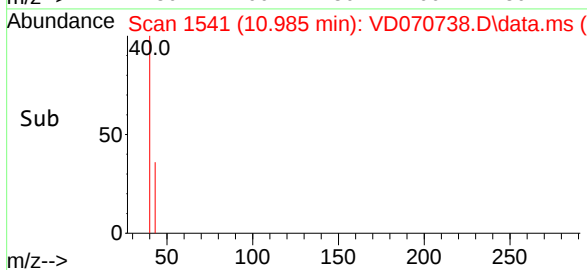
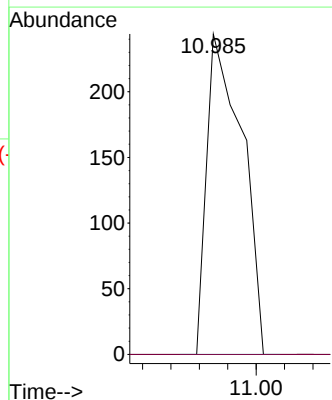
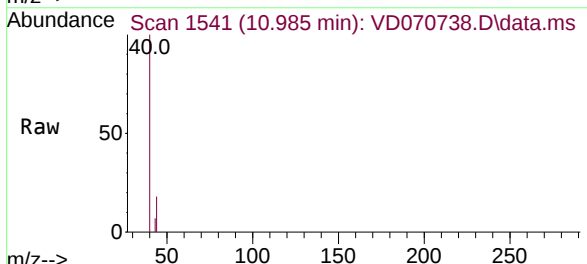
Instrument :
MSVOA_D
ClientSampled :
MH-CA-(1)

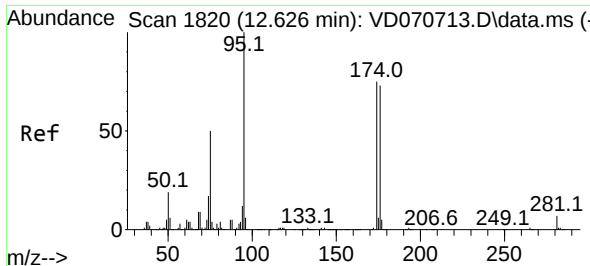
Tgt Ion: 69 Resp: 57
Ion Ratio Lower Upper
69 100
41 117.5 44.7 67.1#
39 0.0 19.5 29.3#



#59
2-Hexanone
Concen: 1.008 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VD070738.D
Acq: 18 Oct 2021 19:06

Tgt Ion: 43 Resp: 211
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#

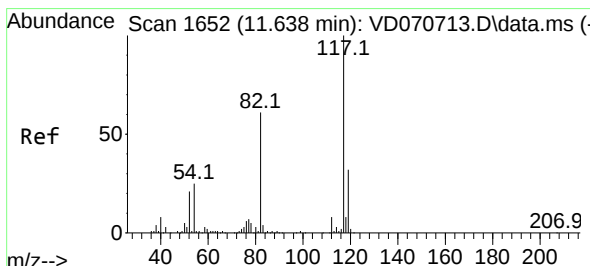
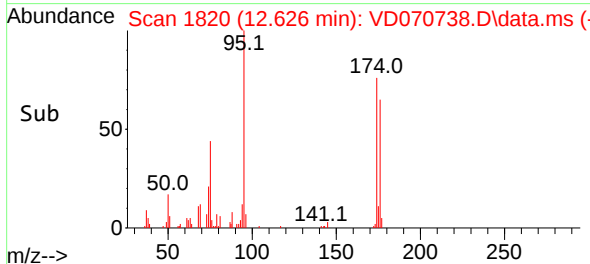
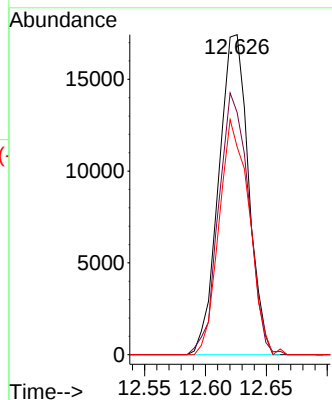
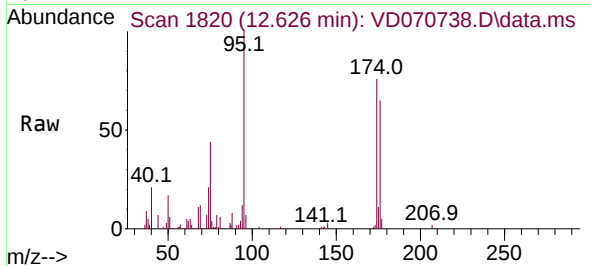




#62
4-Bromofluorobenzene
Concen: 54.852 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070738.D
Acq: 18 Oct 2021 19:06

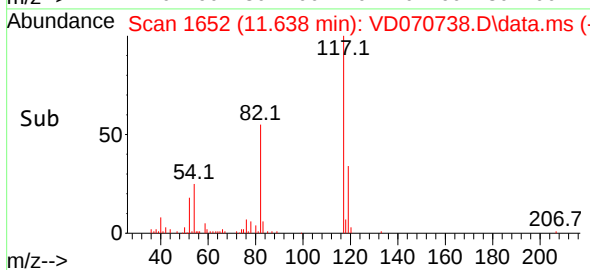
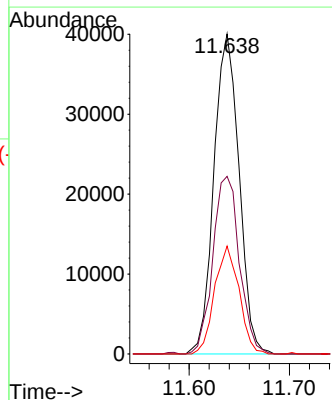
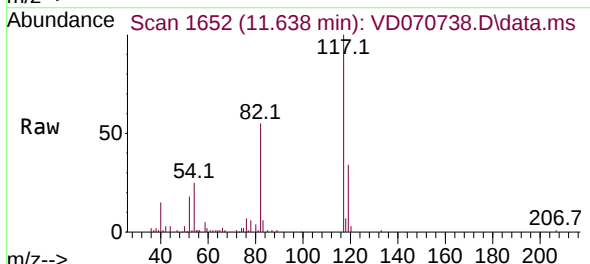
Instrument :
MSVOA_D
ClientSampleId :
MH-CA-(1)

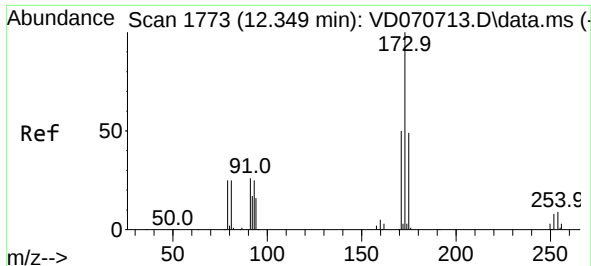
Tgt Ion:	95	Resp:	29697
Ion	Ratio	Lower	Upper
95	100		
174	82.4	0.0	138.0
176	74.1	0.0	135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070738.D
Acq: 18 Oct 2021 19:06

Tgt Ion:	117	Resp:	69764
Ion	Ratio	Lower	Upper
117	100		
82	55.5	45.4	68.2
119	33.7	24.7	37.1

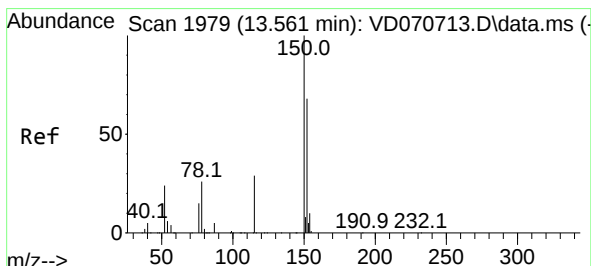
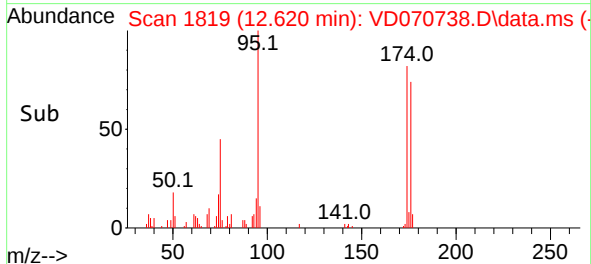
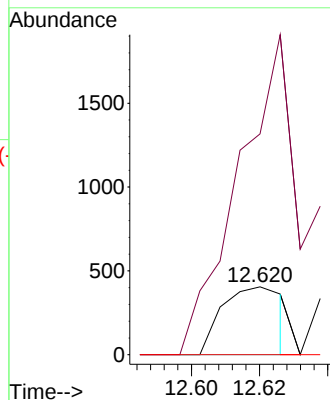
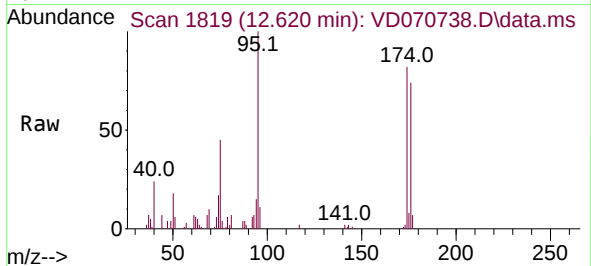




#71
Bromoform
Concen: 1.833 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD070738.D
Acq: 18 Oct 2021 19:06

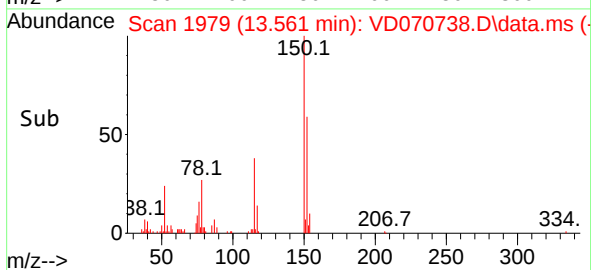
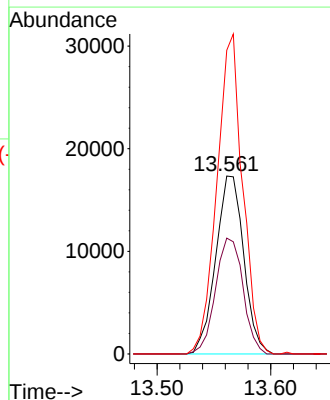
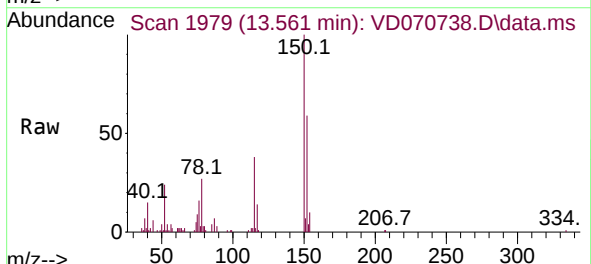
Instrument :
MSVOA_D
ClientSampleId :
MH-CA-(1)

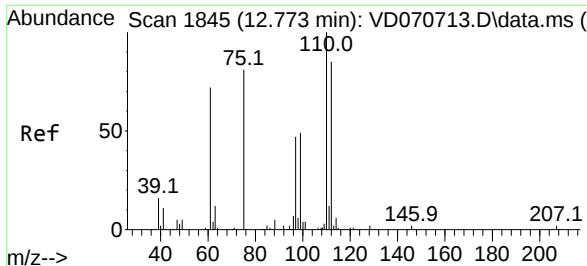
Tgt Ion:173 Resp: 504
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070738.D
Acq: 18 Oct 2021 19:06

Tgt Ion:152 Resp: 29706
Ion Ratio Lower Upper
152 100
115 64.0 31.9 95.7
150 164.9 0.0 350.0

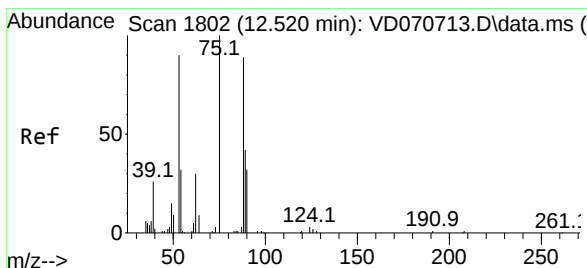
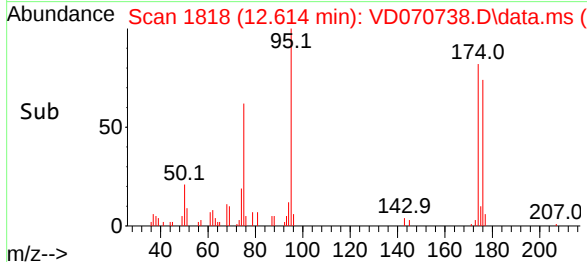
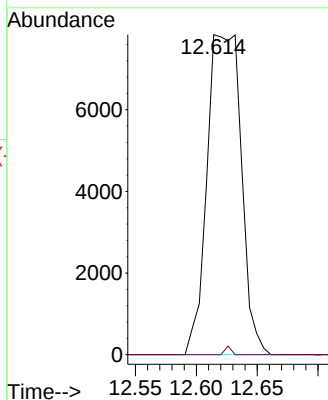
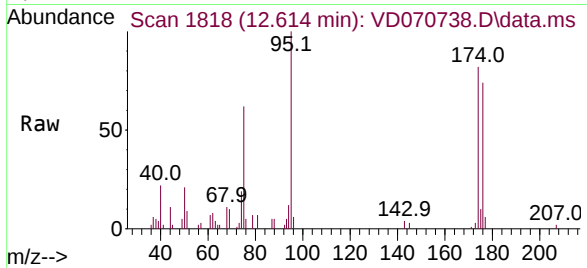




#76
1,2,3-Trichloropropane
Concen: 59.716 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.159 min
Lab File: VD070738.D
Acq: 18 Oct 2021 19:06

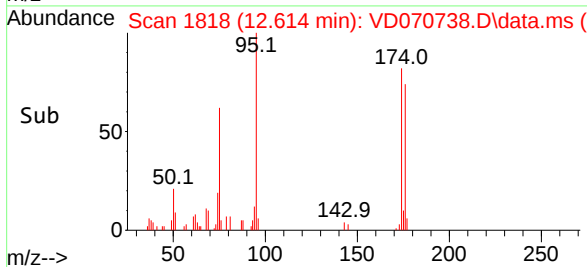
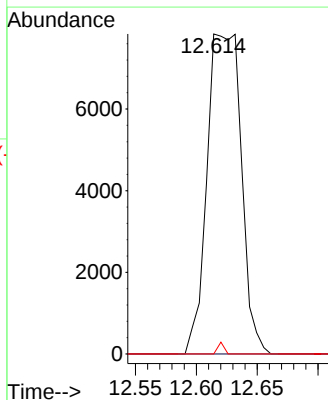
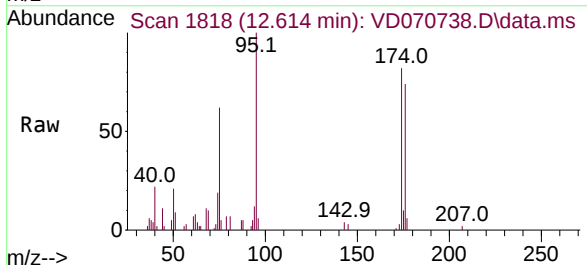
Instrument :
MSVOA_D
ClientSampleId :
MH-CA-(1)

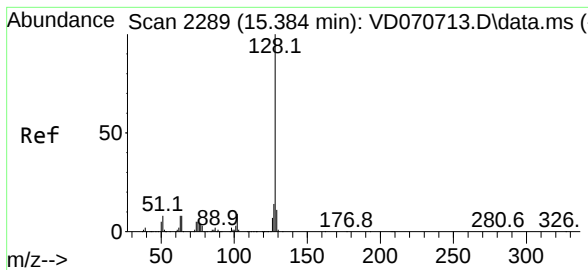
Tgt Ion: 75 Resp: 15326
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.797 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.094 min
Lab File: VD070738.D
Acq: 18 Oct 2021 19:06

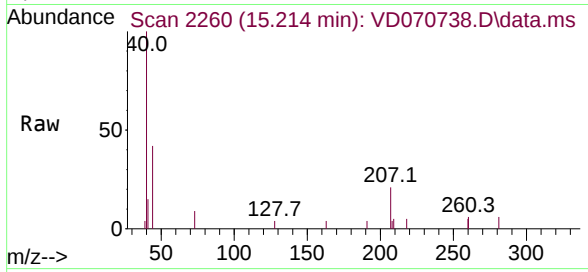
Tgt Ion: 75 Resp: 15326
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.7 35.3 52.9#





#95
 Naphthalene
 Concen: 4.850 ug/l
 RT: 15.214 min Scan# 2260
 Delta R.T. -0.170 min
 Lab File: VD070738.D
 Acq: 18 Oct 2021 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-CA-(1)



Tgt Ion:128	Resp:	61
Ion	Ratio	Lower Upper
128	100	
127	0.0	10.9 16.3#
129	0.0	8.6 12.8#

