

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101821\
 Data File : VD070737.D
 Acq On : 18 Oct 2021 18:37
 Operator : VA/SY
 Sample : M4252-04
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TEST-BB-(1)

Quant Time: Oct 19 06:42:16 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)

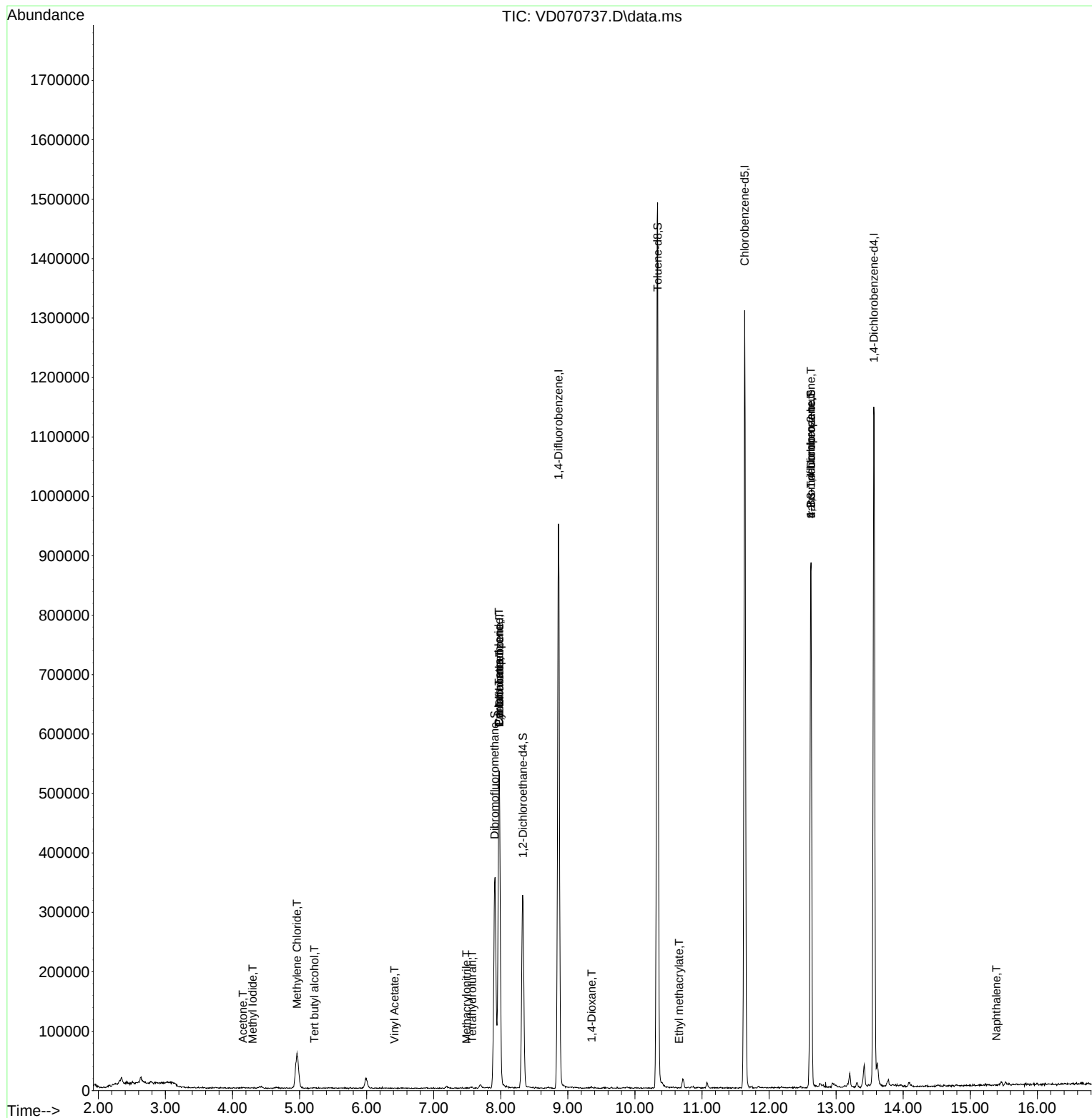
Internal Standards						
1) Pentafluorobenzene	7.979	168	375294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	748178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	715012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	301882	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	259052	58.278	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.560%			
35) Dibromofluoromethane	7.908	113	251897	52.581	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.160%			
50) Toluene-d8	10.338	98	992715	54.057	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.120%			
62) 4-Bromofluorobenzene	12.626	95	299384	47.346	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.700%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.303	142	376	3.395	ug/l #	38
11) Tert butyl alcohol	5.220	59	329	1.322	ug/l #	83
16) Acetone	4.156	43	2290	2.136	ug/l #	76
20) Methylene Chloride	4.962	84	43411	1.765	ug/l	90
23) Vinyl Acetate	6.414	43	67	16.337	ug/l #	69
29) Tetrahydrofuran	7.573	42	1752	2.161	ug/l #	54
31) Cyclohexane	7.979	56	10360	1.152	ug/l #	10
36) 1,1-Dichloropropene	7.979	75	37551	4.505	ug/l #	51
38) Carbon Tetrachloride	7.973	117	39788	4.984	ug/l #	15
41) Methacrylonitrile	7.491	41	114	1.994	ug/l #	31
49) 1,4-Dioxane	9.355	88	66	2.024	ug/l #	23
56) Ethyl methacrylate	10.661	69	173	4.183	ug/l #	37
76) 1,2,3-Trichloropropane	12.626	75	153927	59.018	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	153927	129.268	ug/l #	17
95) Naphthalene	15.390	128	286	4.819	ug/l #	79

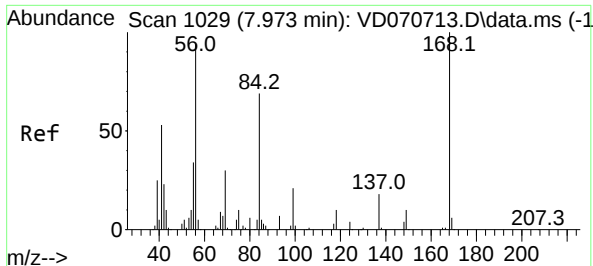
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 19 06:42:16 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

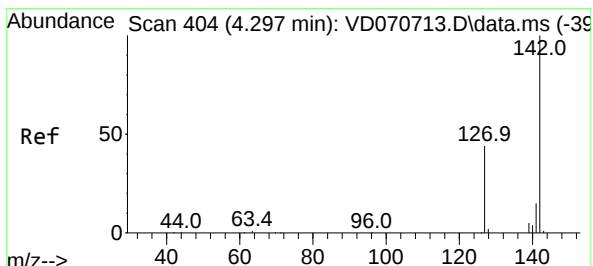
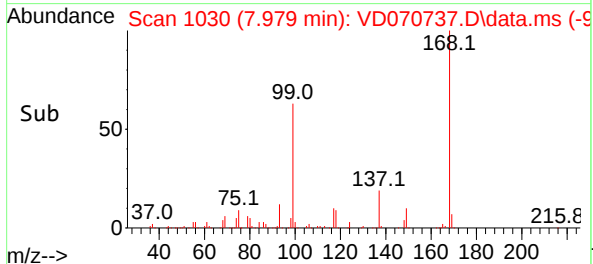
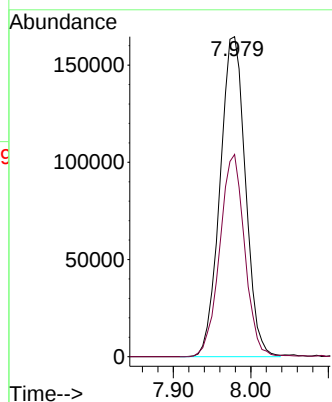
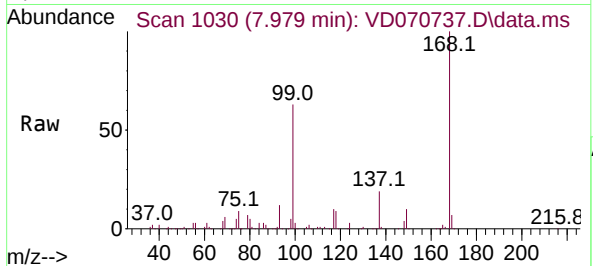




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070737.D
Acq: 18 Oct 2021 18:37

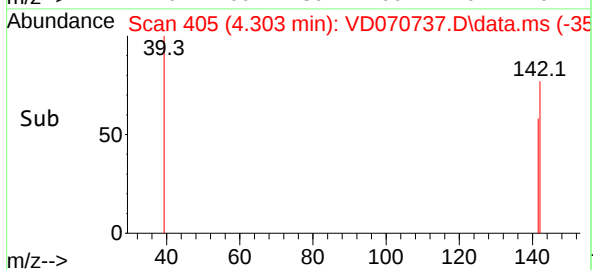
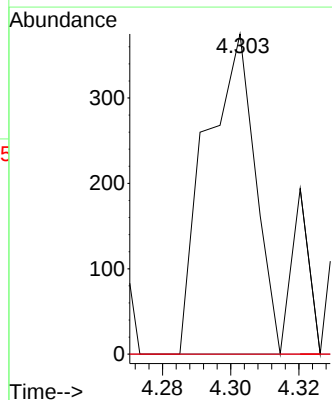
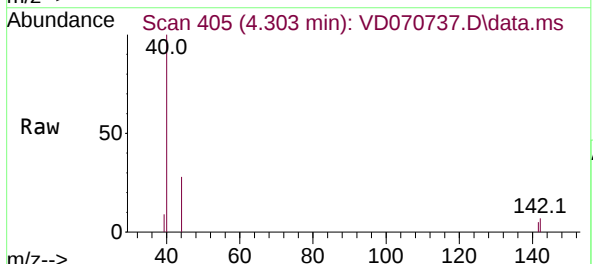
Instrument :
MSVOA_D
ClientSampleId :
TEST-BB-(1)

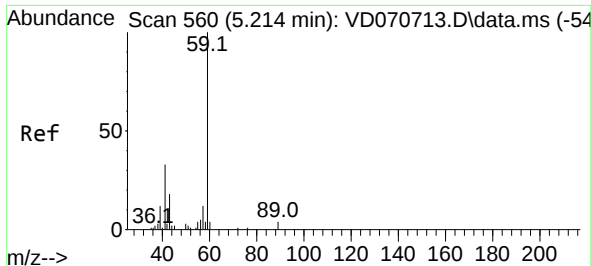
Tgt Ion:168 Resp: 375294
Ion Ratio Lower Upper
168 100
99 63.2 51.4 77.0



#10
Methyl Iodide
Concen: 3.395 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070737.D
Acq: 18 Oct 2021 18:37

Tgt Ion:142 Resp: 376
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 12.1 18.1#



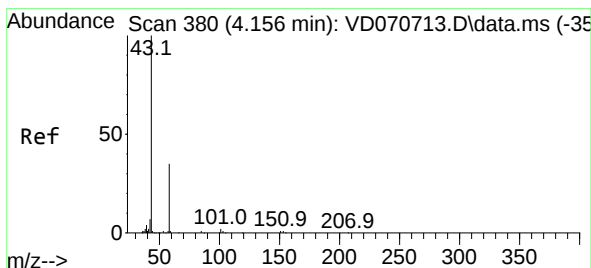
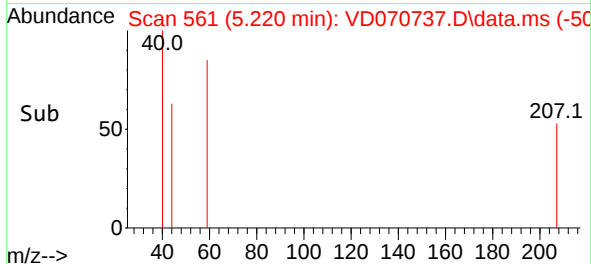
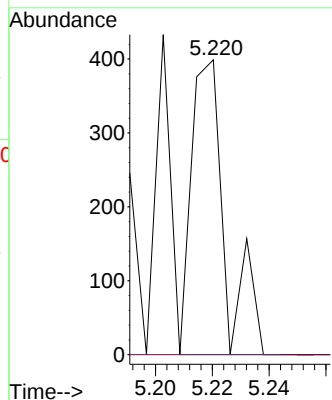
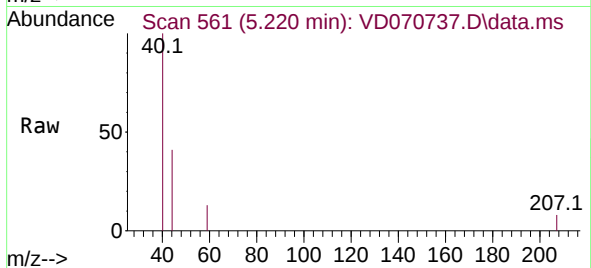


#11

Tert butyl alcohol
Concen: 1.322 ug/l
RT: 5.220 min Scan# 561
Delta R.T. 0.006 min
Lab File: VD070737.D
Acq: 18 Oct 2021 18:37

Instrument :
MSVOA_D
ClientSampleId :
TEST-BB-(1)

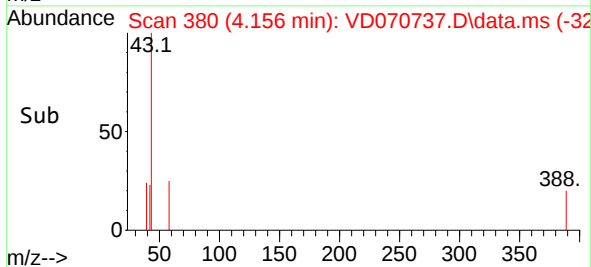
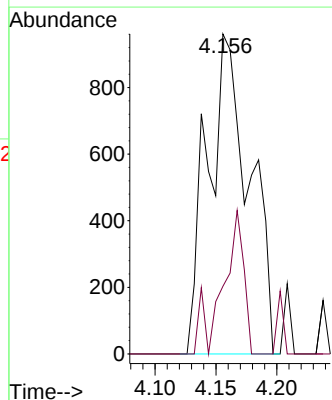
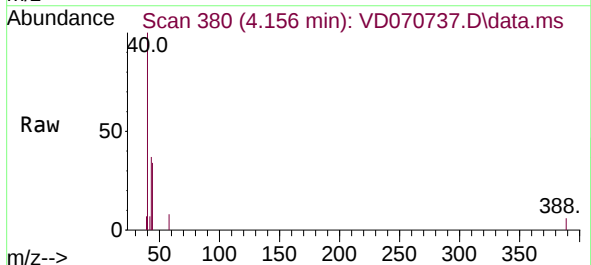
Tgt Ion: 59 Resp: 329
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

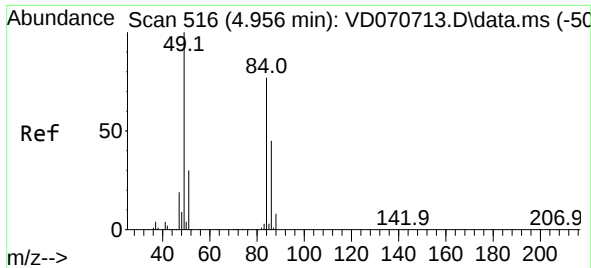


#16

Acetone
Concen: 2.136 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070737.D
Acq: 18 Oct 2021 18:37

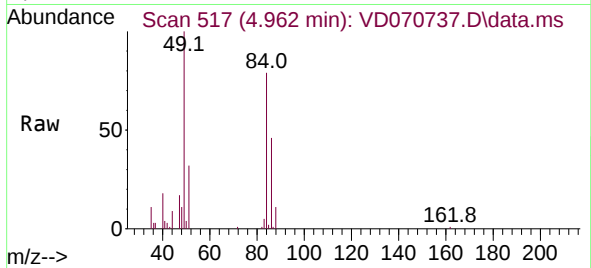
Tgt Ion: 43 Resp: 2290
Ion Ratio Lower Upper
43 100
58 21.1 28.2 42.2#



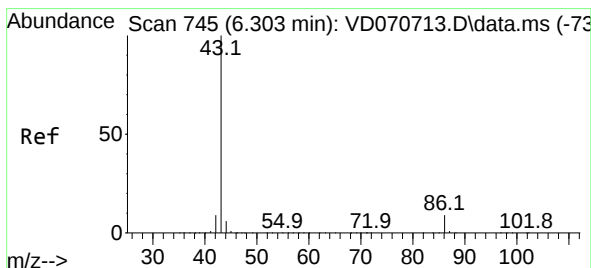
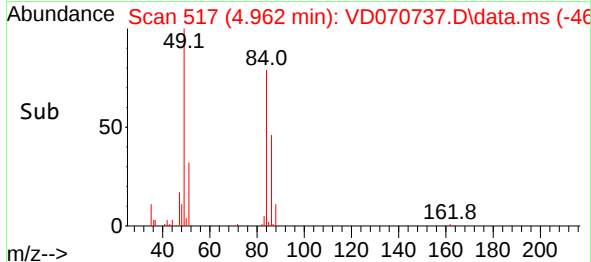
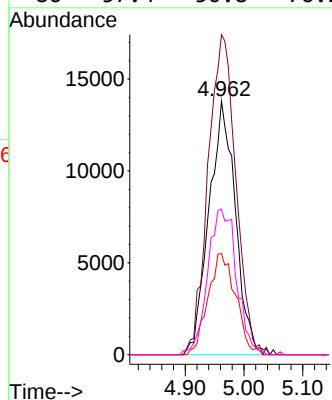


#20
Methylene Chloride
Concen: 1.765 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD070737.D
Acq: 18 Oct 2021 18:37

Instrument :
MSVOA_D
ClientSampleId :
TEST-BB-(1)

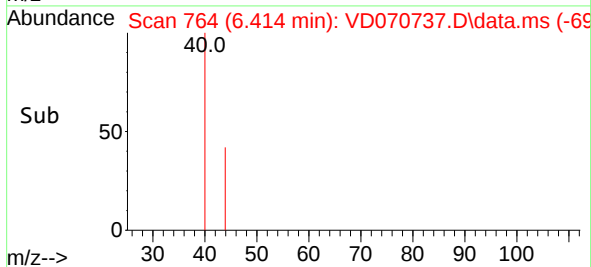
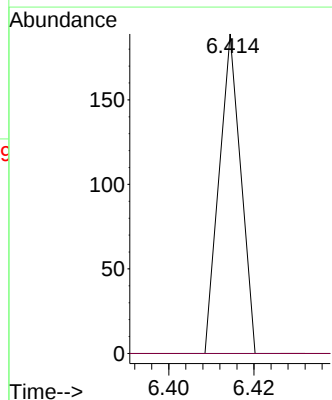
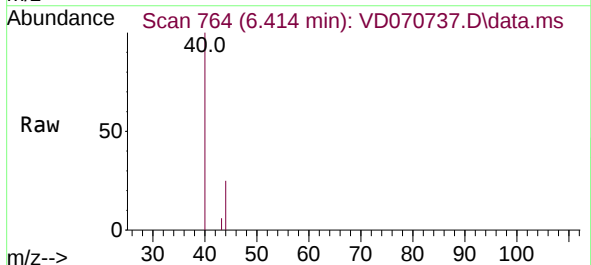


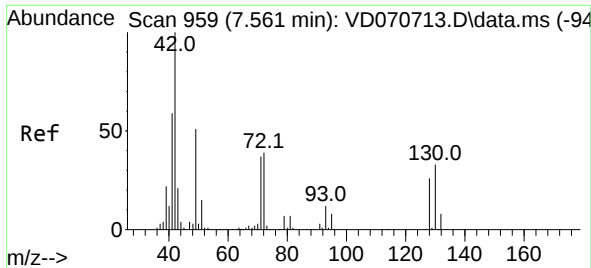
Tgt Ion:	84	Resp:	43411
Ion	Ratio	Lower	Upper
84	100		
49	126.1	91.4	137.2
51	39.9	26.7	40.1
86	57.4	50.8	76.2



#23
Vinyl Acetate
Concen: 16.337 ug/l
RT: 6.414 min Scan# 764
Delta R.T. 0.111 min
Lab File: VD070737.D
Acq: 18 Oct 2021 18:37

Tgt Ion:	43	Resp:	67
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.8	14.6#





#29

Tetrahydrofuran

Concen: 2.161 ug/l

RT: 7.573 min Scan# 961

Delta R.T. 0.012 min

Lab File: VD070737.D

Acq: 18 Oct 2021 18:37

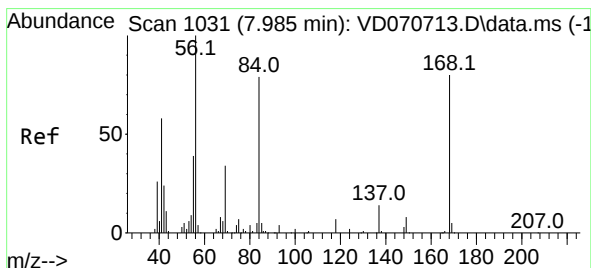
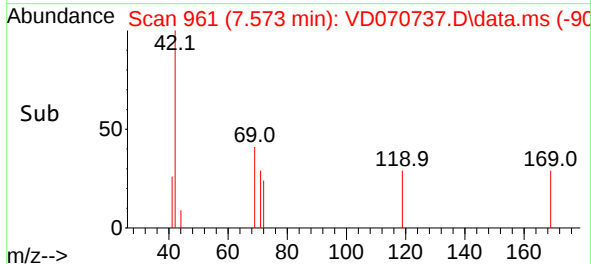
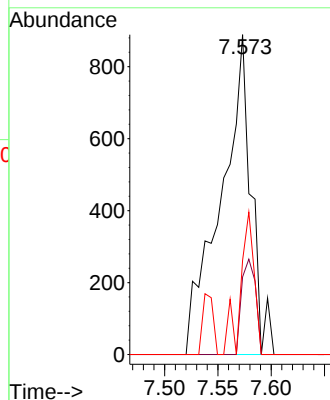
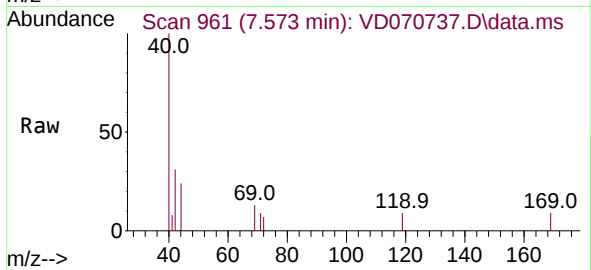
Instrument :

MSVOA_D

ClientSampleId :

TEST-BB-(1)

Tgt Ion:	42	Resp:	1752
Ion Ratio	Lower	Upper	
42	100		
72	13.8	40.2	60.4#
71	20.4	37.2	55.8#



#31

Cyclohexane

Concen: 1.152 ug/l

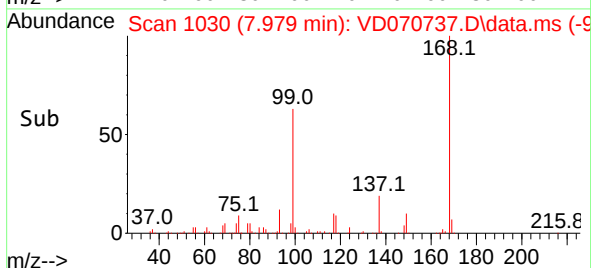
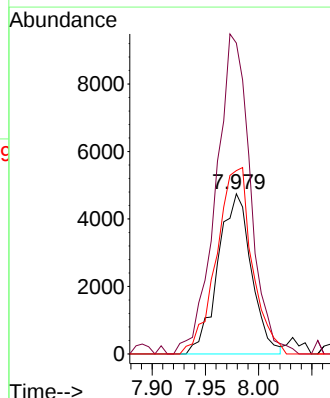
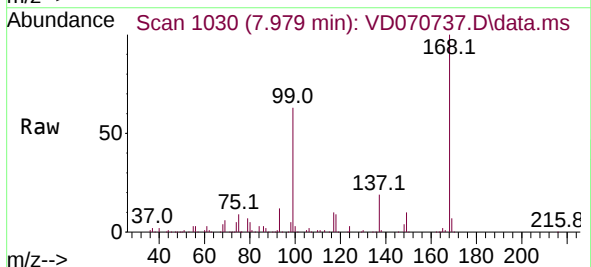
RT: 7.979 min Scan# 1030

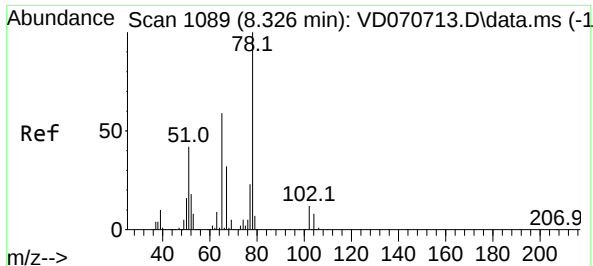
Delta R.T. -0.006 min

Lab File: VD070737.D

Acq: 18 Oct 2021 18:37

Tgt Ion:	56	Resp:	10360
Ion Ratio	Lower	Upper	
56	100		
69	187.7	27.4	41.2#
84	114.5	73.6	110.4#



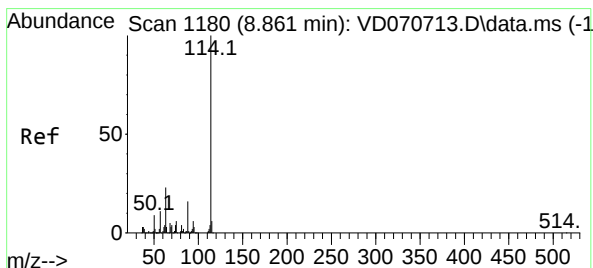
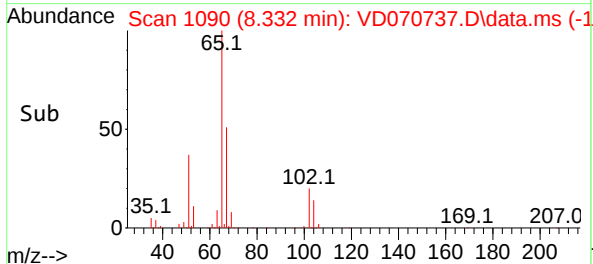
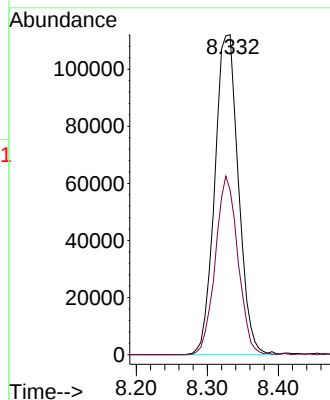
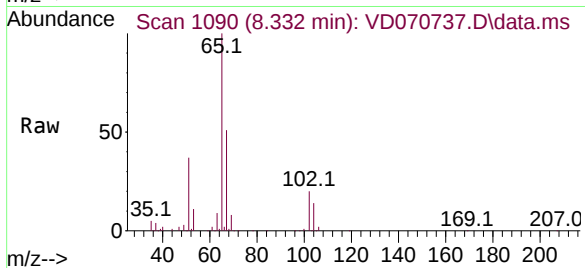


#33

1,2-Dichloroethane-d4
Concen: 58.278 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070737.D
Acq: 18 Oct 2021 18:37

Instrument :
MSVOA_D
ClientSampleId :
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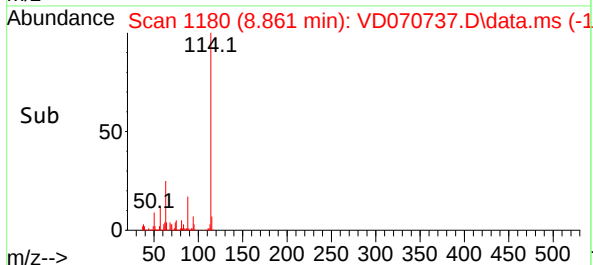
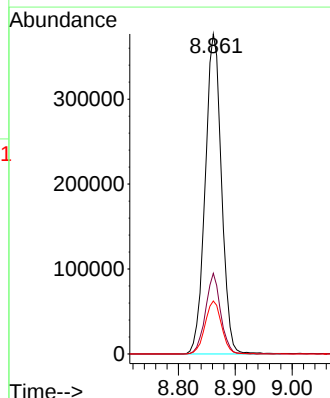
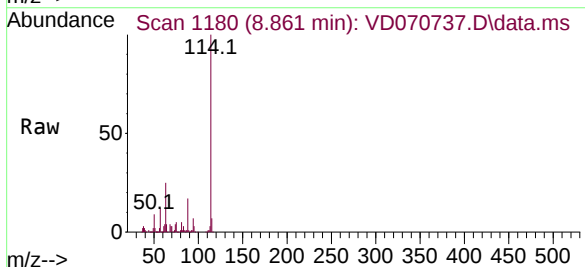
Tgt Ion: 65 Resp: 259052
Ion Ratio Lower Upper
65 100
67 53.3 0.0 110.2

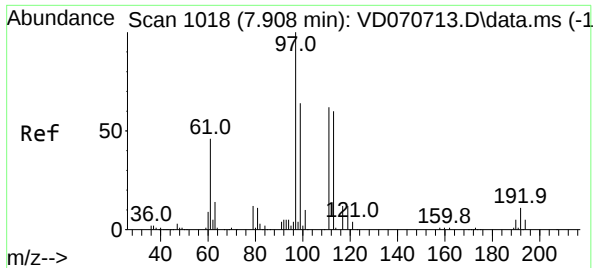


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070737.D
Acq: 18 Oct 2021 18:37

Tgt Ion: 114 Resp: 748178
Ion Ratio Lower Upper
114 100
63 25.2 0.0 41.8
88 16.6 0.0 32.6

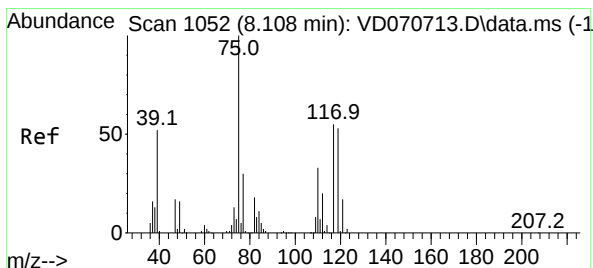
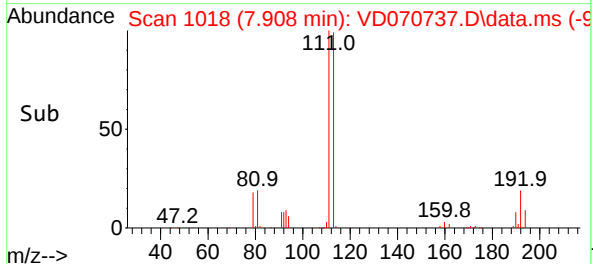
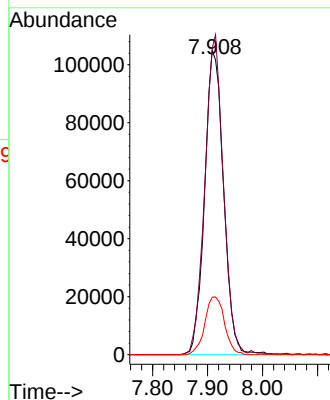
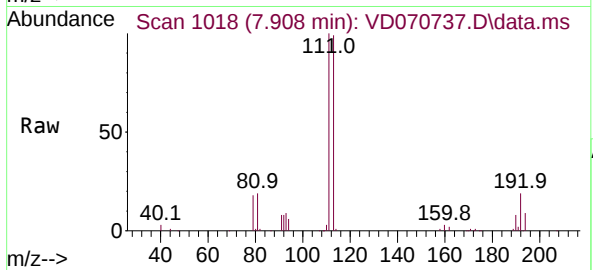




#35
Dibromofluoromethane
Concen: 52.581 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD070737.D
Acq: 18 Oct 2021 18:37

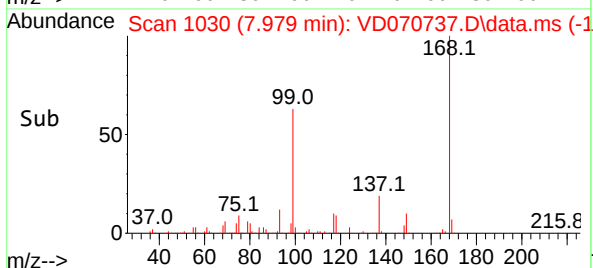
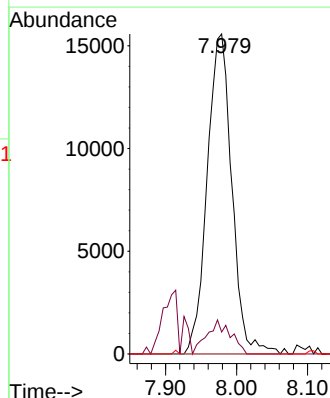
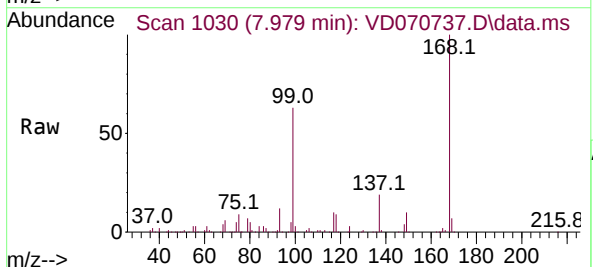
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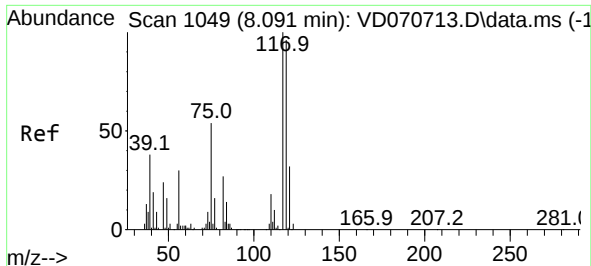
Tgt Ion:113 Resp: 251897
Ion Ratio Lower Upper
113 100
111 102.1 83.1 124.7
192 19.7 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.505 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070737.D
Acq: 18 Oct 2021 18:37

Tgt Ion: 75 Resp: 37551
Ion Ratio Lower Upper
75 100
110 9.7 17.2 51.6#
77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 4.984 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD070737.D

Acq: 18 Oct 2021 18:37

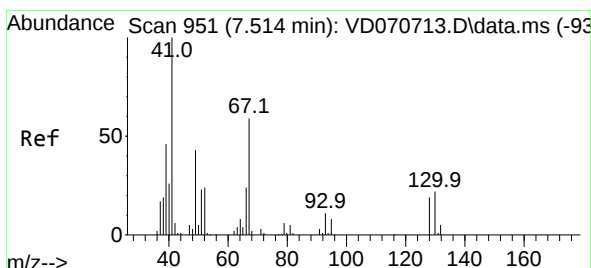
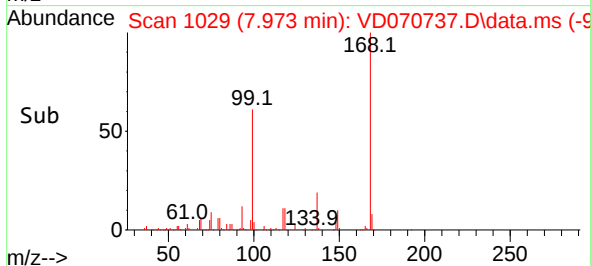
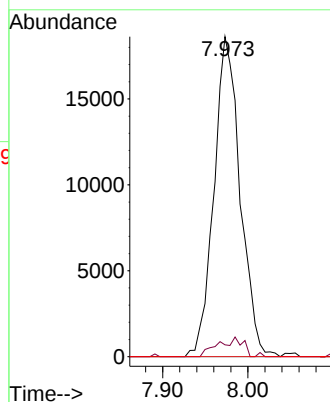
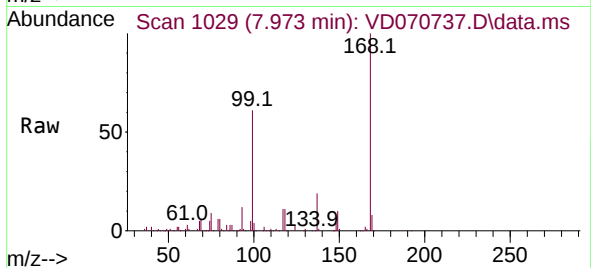
Instrument :

MSVOA_D

ClientSampleId :

TEST-BB-(1)

Tgt Ion:117	Resp:	39788
Ion	Ratio	Lower Upper
117	100	
119	3.7	77.4 116.0#
121	0.0	25.4 38.0#



#41

Methacrylonitrile

Concen: 1.994 ug/l

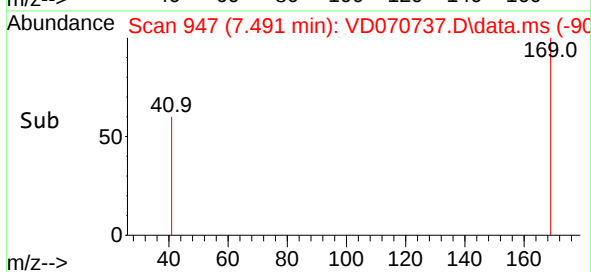
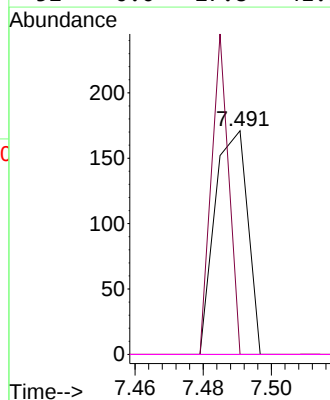
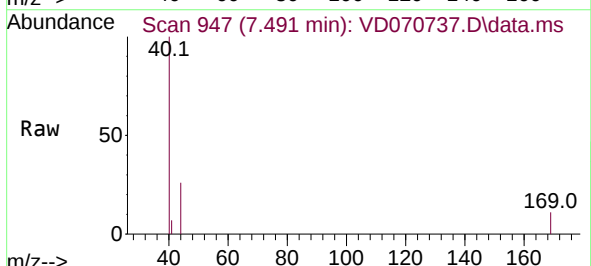
RT: 7.491 min Scan# 947

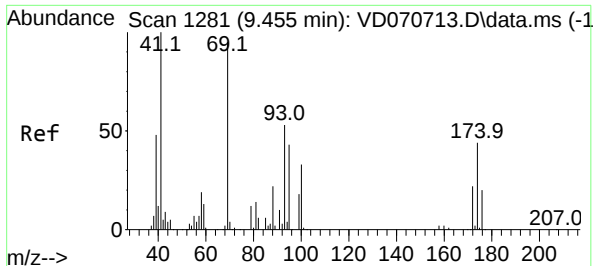
Delta R.T. -0.023 min

Lab File: VD070737.D

Acq: 18 Oct 2021 18:37

Tgt Ion: 41	Resp:	114
Ion	Ratio	Lower Upper
41	100	
39	75.4	45.2 67.8#
67	0.0	75.8 113.6#
52	0.0	27.8 41.8#

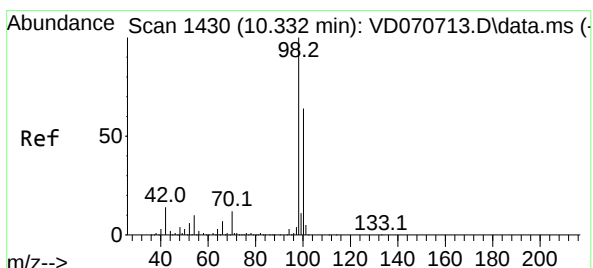
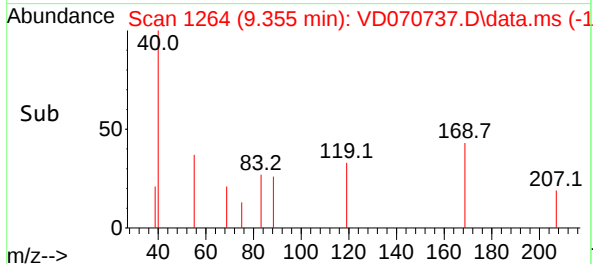
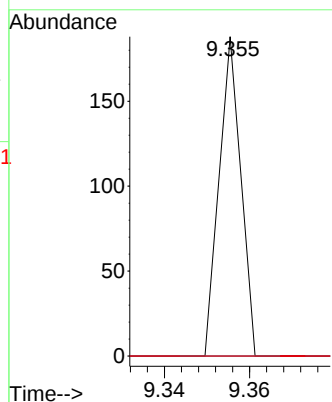
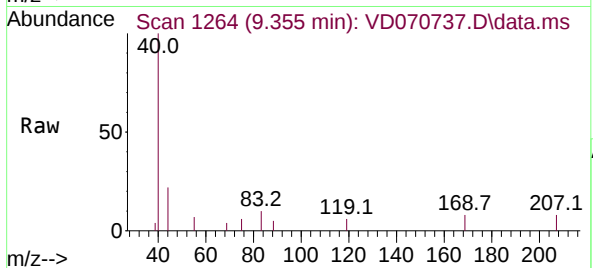




#49
1,4-Dioxane
Concen: 2.024 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. -0.100 min
Lab File: VD070737.D
Acq: 18 Oct 2021 18:37

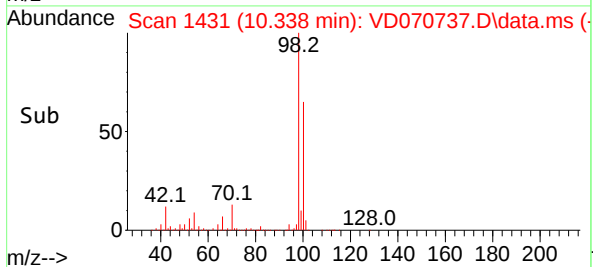
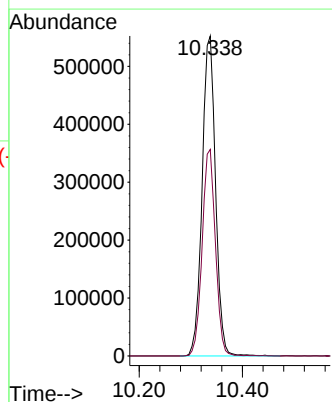
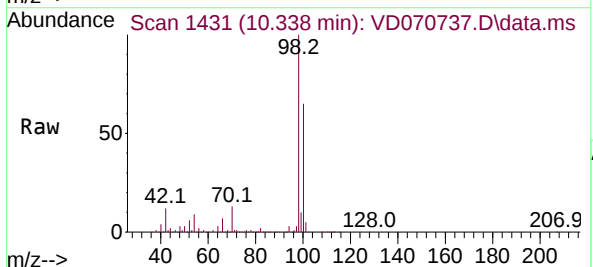
Instrument :
MSVOA_D
ClientSampleId :
TEST-BB-(1)

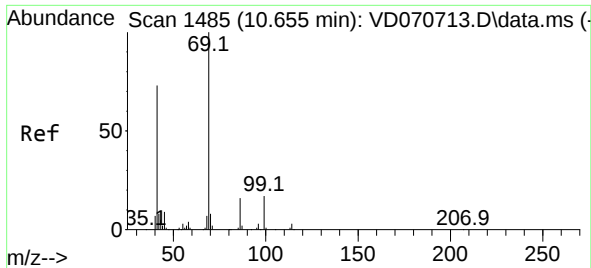
Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 0.0 25.1 37.7#
58 0.0 57.4 86.0#



#50
Toluene-d8
Concen: 54.057 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070737.D
Acq: 18 Oct 2021 18:37

Tgt Ion: 98 Resp: 992715
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4

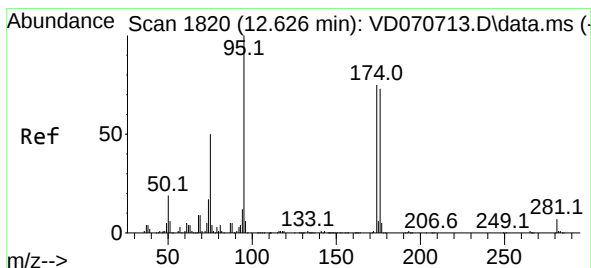
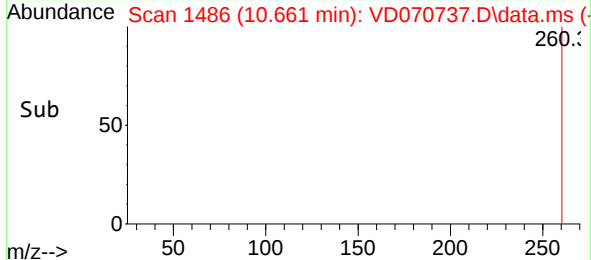
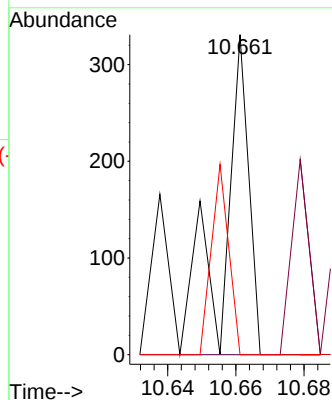
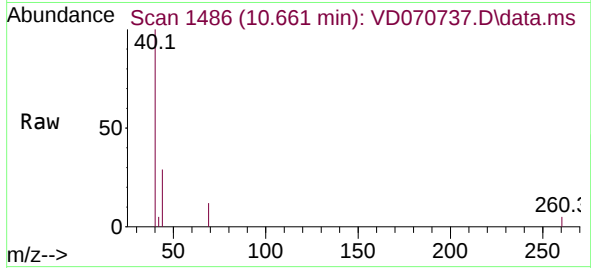




#56
Ethyl methacrylate
Concen: 4.183 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD070737.D
Acq: 18 Oct 2021 18:37

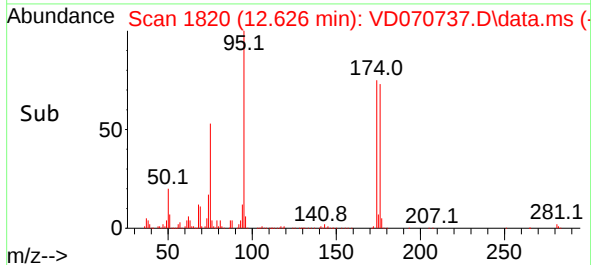
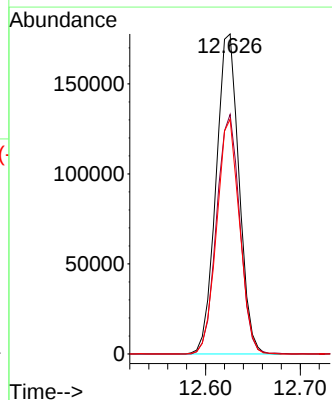
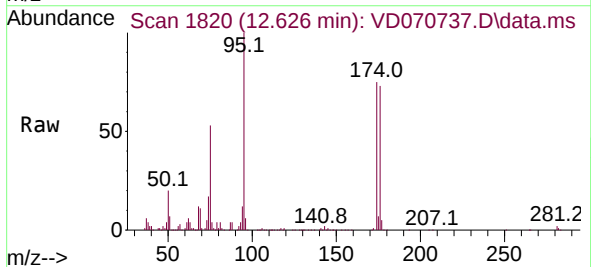
Instrument :
MSVOA_D
ClientSampleId :
TEST-BB-(1)

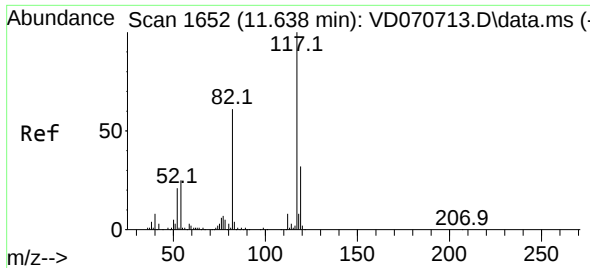
Tgt Ion:	69	Resp:	173
Ion	Ratio	Lower	Upper
69	100		
41	0.0	44.7	67.1#
39	40.5	19.5	29.3#



#62
4-Bromofluorobenzene
Concen: 47.346 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070737.D
Acq: 18 Oct 2021 18:37

Tgt Ion:	95	Resp:	299384
Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	138.0
176	72.7	0.0	135.6

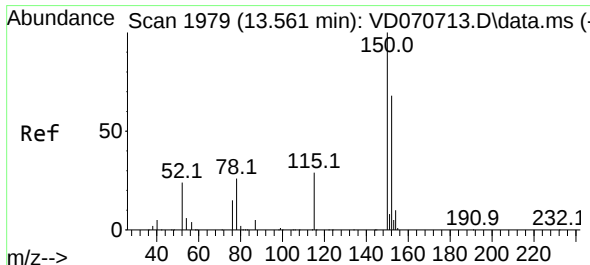
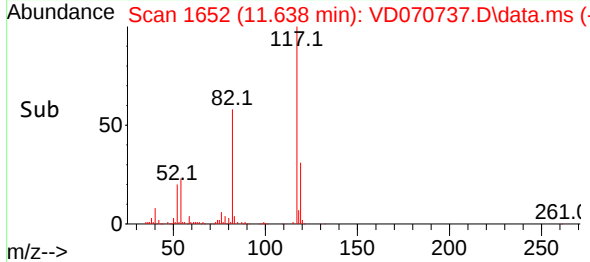
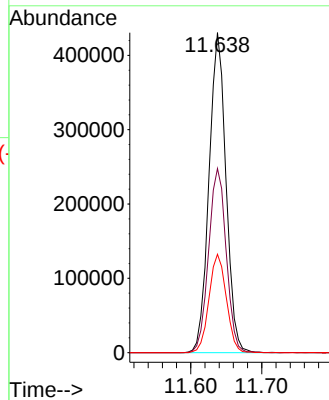
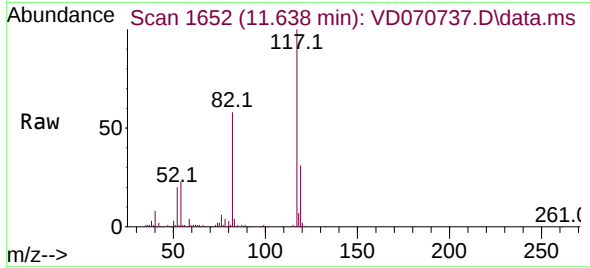




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070737.D
Acq: 18 Oct 2021 18:37

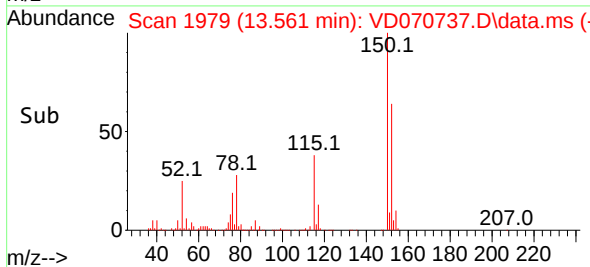
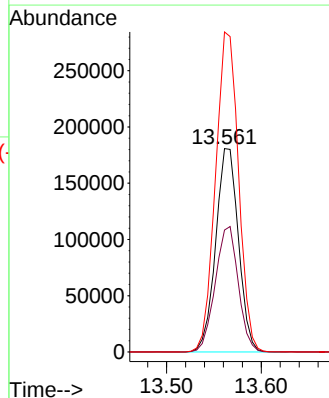
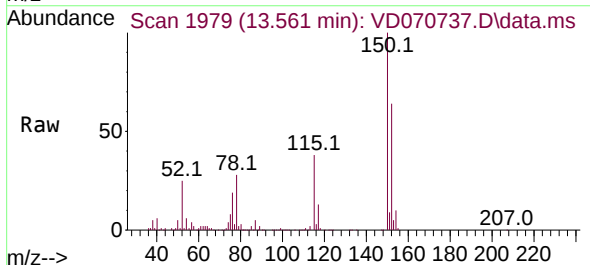
Instrument :
MSVOA_D
ClientSampleId :
TEST-BB-(1)

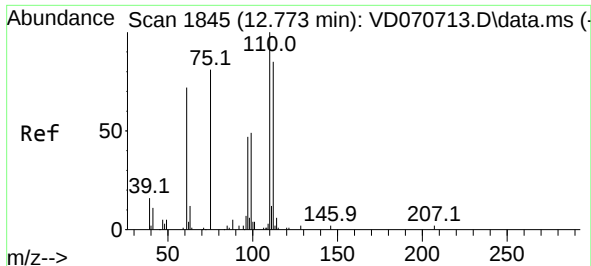
Tgt Ion:	117	Resp:	715012
Ion	Ratio	Lower	Upper
117	100		
82	57.6	45.4	68.2
119	30.7	24.7	37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070737.D
Acq: 18 Oct 2021 18:37

Tgt Ion:	152	Resp:	301882
Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.9	95.7
150	159.0	0.0	350.0

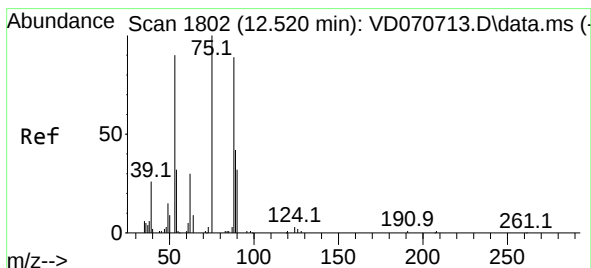
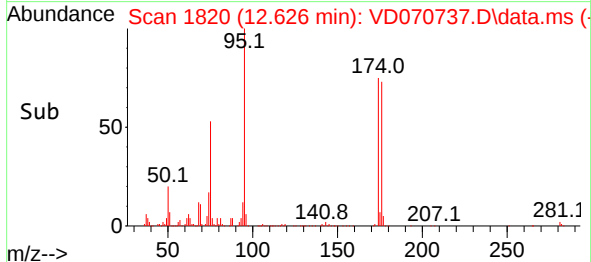
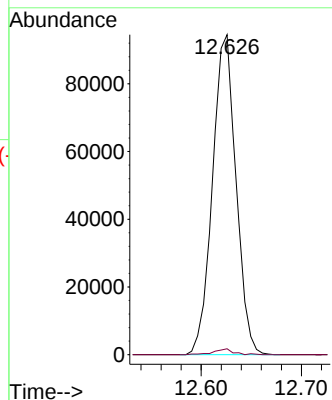
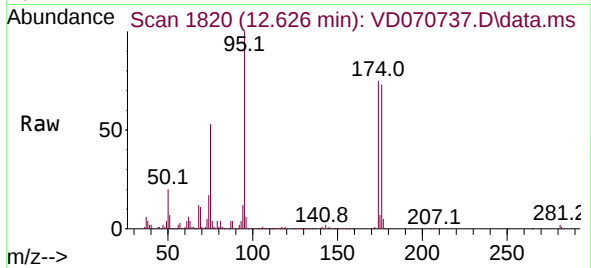




#76
1,2,3-Trichloropropane
Concen: 59.018 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070737.D
Acq: 18 Oct 2021 18:37

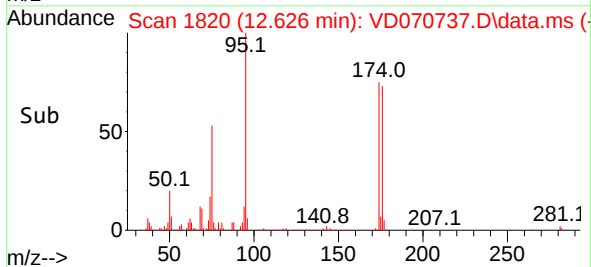
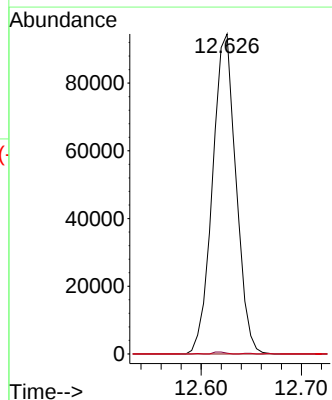
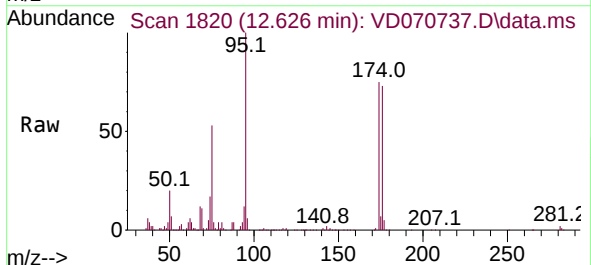
Instrument :
MSVOA_D
ClientSampleId :
TEST-BB-(1)

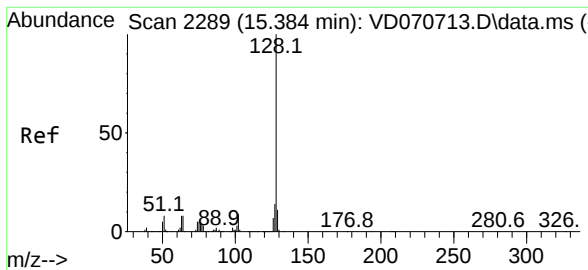
Tgt Ion: 75 Resp: 153927
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.268 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070737.D
Acq: 18 Oct 2021 18:37

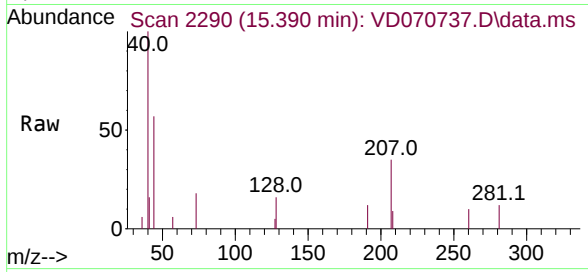
Tgt Ion: 75 Resp: 153927
Ion Ratio Lower Upper
75 100
53 0.4 64.5 96.7#
89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 4.819 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD070737.D
Acq: 18 Oct 2021 18:37

Instrument :
MSVOA_D
ClientSampleId :
TEST-BB-(1)



Tgt Ion	Ratio	Lower	Upper
128	100		
127	19.6	10.9	16.3#
129	0.0	8.6	12.8#

