

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101821\
 Data File : VD070739.D
 Acq On : 18 Oct 2021 19:34
 Operator : VA/SY
 Sample : M4252-10
 Misc : 5.35G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Oct 19 06:42:36 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

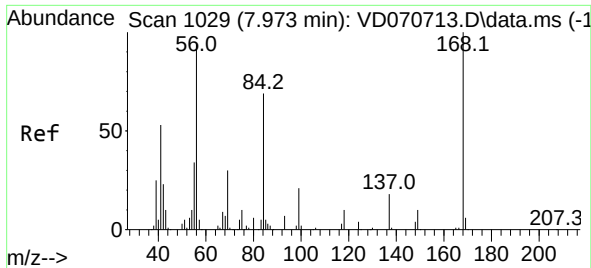
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	5028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	9051	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	8788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	3115	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	5491	92.203	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 184.400%#			
35) Dibromofluoromethane	7.903	113	3105	53.577	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.160%			
50) Toluene-d8	10.332	98	11665	52.508	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.020%			
62) 4-Bromofluorobenzene	12.626	95	3731	48.774	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.540%			
Target Compounds						Qvalue
3) Chloromethane	2.209	50	259	2.969	ug/l #	1
5) Bromomethane	2.803	94	60	1.101	ug/l #	2
6) Chloroethane	2.644	64	57	1.013	ug/l #	41
11) Tert butyl alcohol	5.144	59	66	19.797	ug/l #	83
12) 1,1-Dichloroethene	3.938	96	55	1.006	ug/l #	1
15) Acrylonitrile	5.638	53	79	5.573	ug/l #	18
16) Acetone	4.168	43	56	3.899	ug/l #	40
18) Methyl Acetate	4.715	43	115	2.303	ug/l #	47
20) Methylene Chloride	4.944	84	120	Below Cal	#	27
21) trans-1,2-Dichloroethene	5.691	96	166	2.648	ug/l #	1
23) Vinyl Acetate	6.038	43	67	16.916	ug/l #	69
25) 2-Butanone	7.209	43	89	5.016	ug/l #	43
29) Tetrahydrofuran	7.414	42	58	5.339	ug/l #	29
37) Ethyl Acetate	7.285	43	125	2.992	ug/l #	65
38) Carbon Tetrachloride	7.985	117	135	1.398	ug/l #	12
43) Isopropyl Acetate	8.326	43	134	1.682	ug/l #	46
48) Methyl methacrylate	9.261	41	55	1.409	ug/l #	11
51) 4-Methyl-2-Pentanone	9.979	43	59	1.405	ug/l #	32
59) 2-Hexanone	11.038	43	55	1.860	ug/l #	20
60) Dibromochloromethane	11.302	129	72	1.242	ug/l #	11
74) N-amyl acetate	12.214	43	129	2.233	ug/l #	37
76) 1,2,3-Trichloropropane	12.879	75	65	2.415	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.579	75	86	6.999	ug/l #	17

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

Quant Time: Oct 19 06:42:36 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

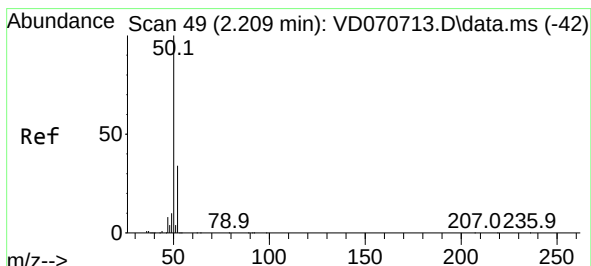
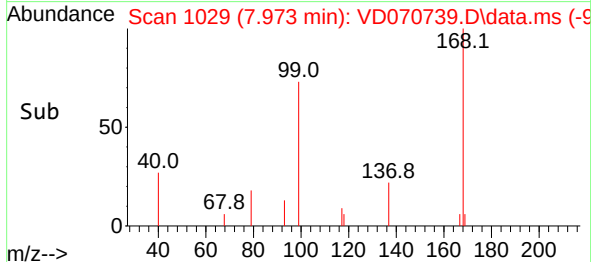
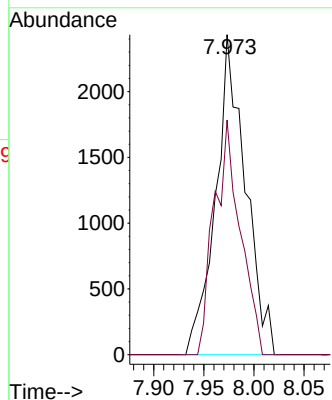
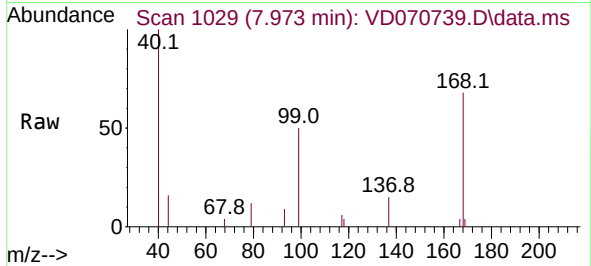




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

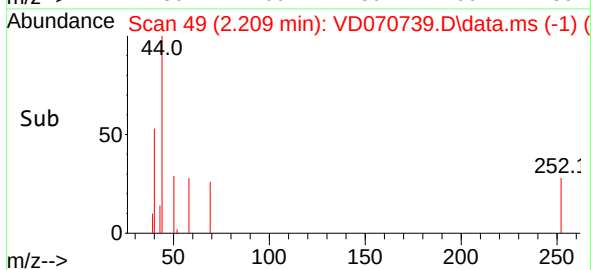
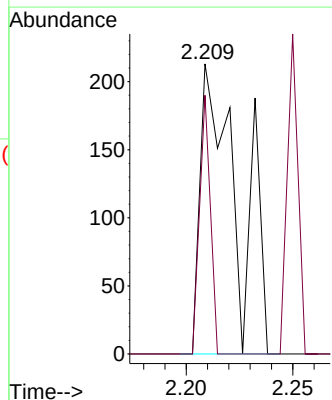
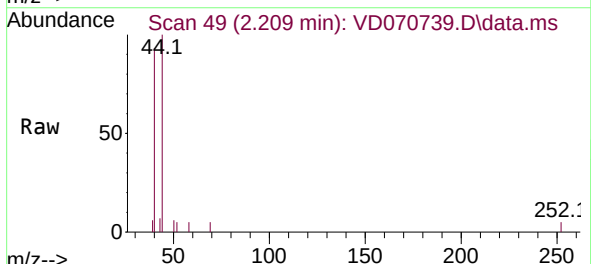
Instrument :
MSVOA_D
ClientSampleId :
MH-CB-(1)

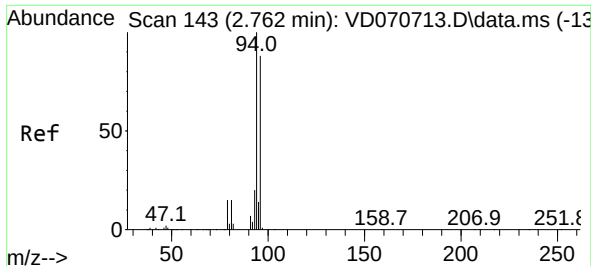
Tgt Ion:168 Resp: 5028
Ion Ratio Lower Upper
168 100
99 73.3 51.4 77.0



#3
Chloromethane
Concen: 2.969 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

Tgt Ion: 50 Resp: 259
Ion Ratio Lower Upper
50 100
52 89.2 26.0 39.0#

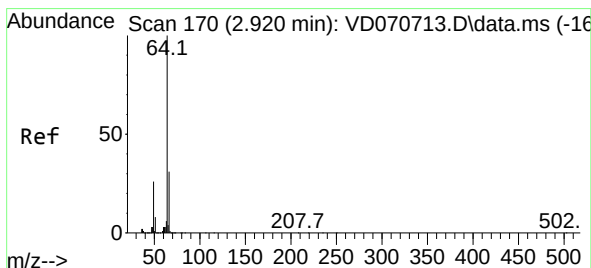
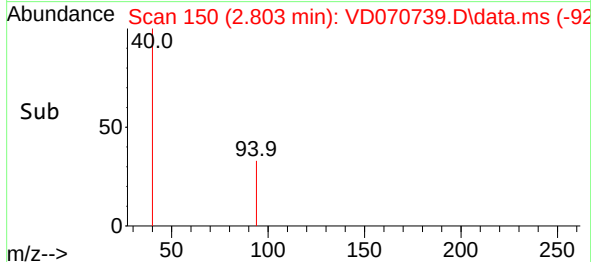
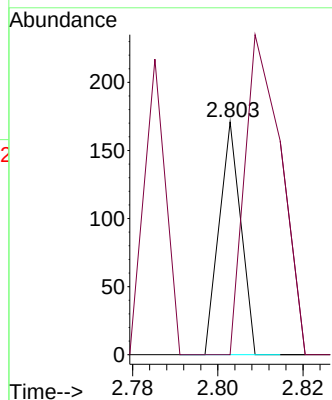
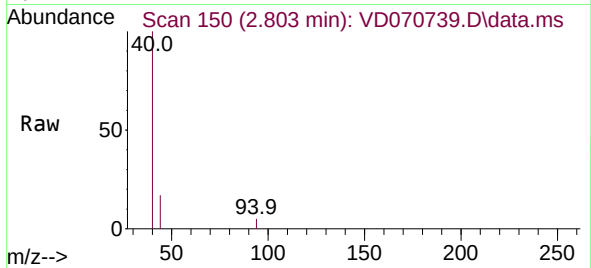




#5
Bromomethane
Concen: 1.101 ug/l
RT: 2.803 min Scan# 150
Delta R.T. 0.041 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

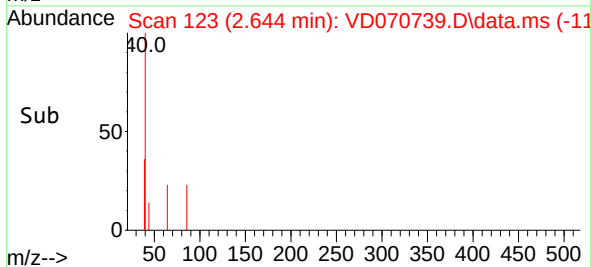
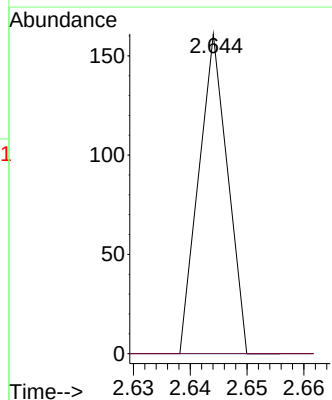
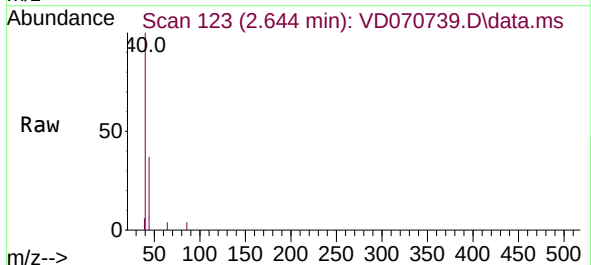
Instrument :
MSVOA_D
ClientSampleId :
MH-CB-(1)

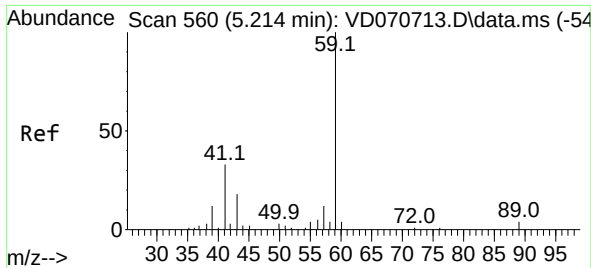
Tgt Ion: 94 Resp: 60
Ion Ratio Lower Upper
94 100
96 0.0 75.5 113.3#



#6
Chloroethane
Concen: 1.013 ug/l
RT: 2.644 min Scan# 123
Delta R.T. -0.276 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

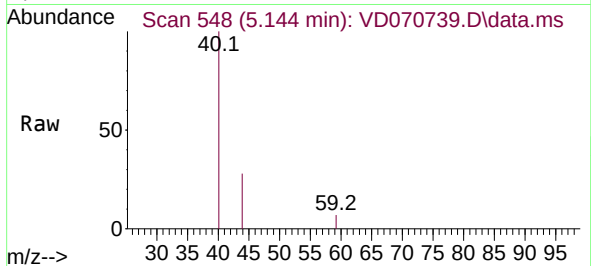
Tgt Ion: 64 Resp: 57
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#



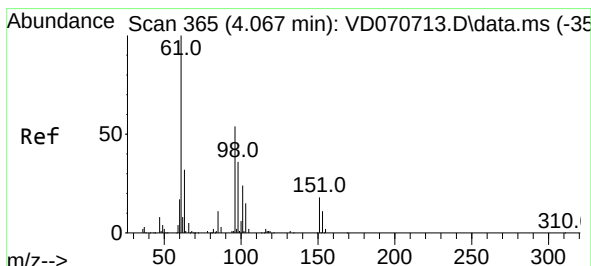
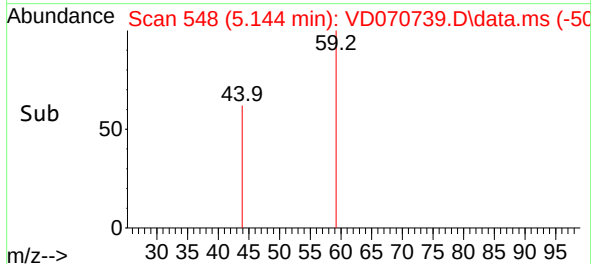
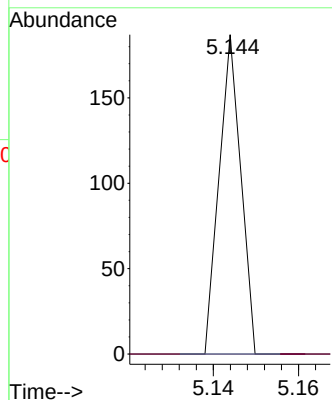


#11
Tert butyl alcohol
Concen: 19.797 ug/l
RT: 5.144 min Scan# 548
Delta R.T. -0.070 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

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

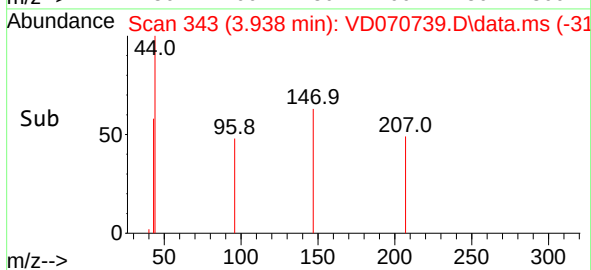
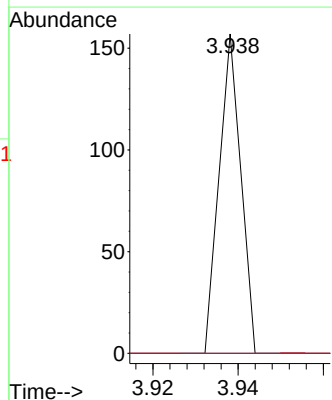
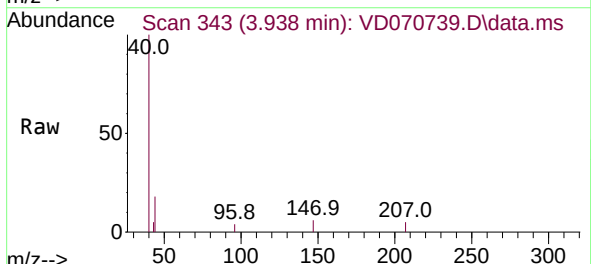


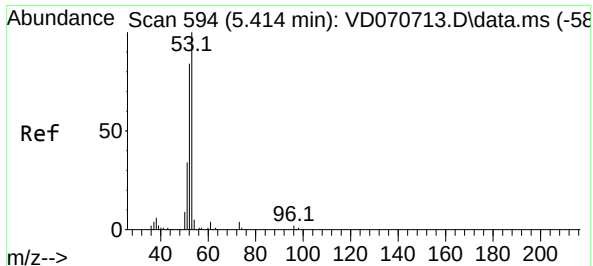
Tgt Ion: 59 Resp: 66
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#



#12
1,1-Dichloroethene
Concen: 1.006 ug/l
RT: 3.938 min Scan# 343
Delta R.T. -0.129 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

Tgt Ion: 96 Resp: 55
Ion Ratio Lower Upper
96 100
61 0.0 125.9 188.9#
98 0.0 52.3 78.5#

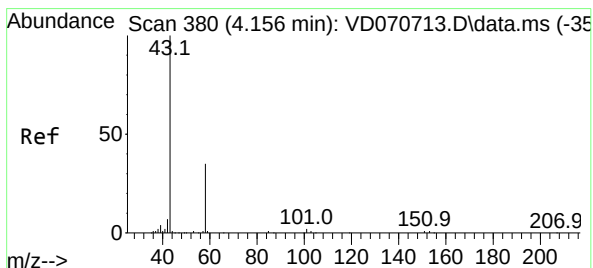
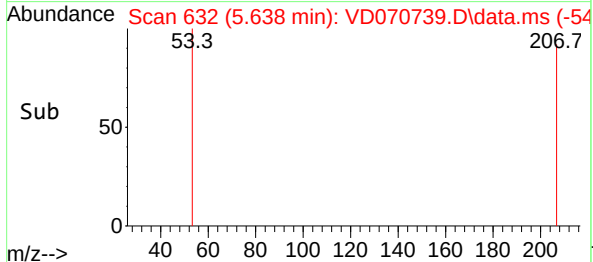
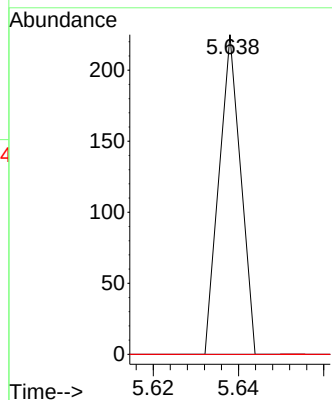
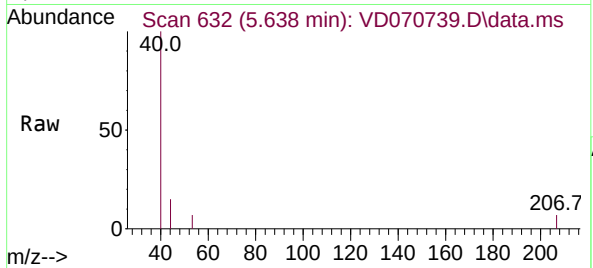




#15
Acrylonitrile
Concen: 5.573 ug/l
RT: 5.638 min Scan# 632
Delta R.T. 0.224 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

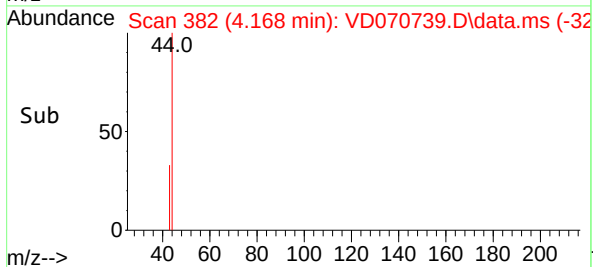
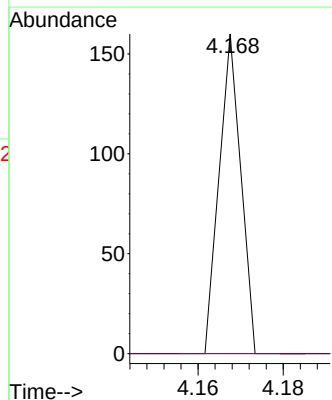
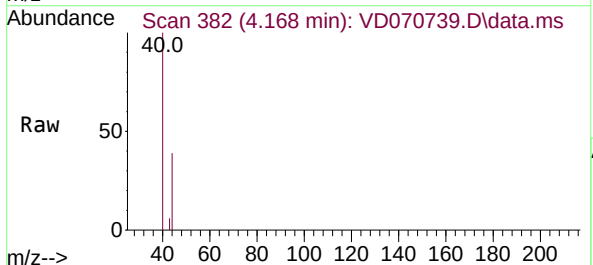
Instrument :
MSVOA_D
ClientSampleId :
MH-CB-(1)

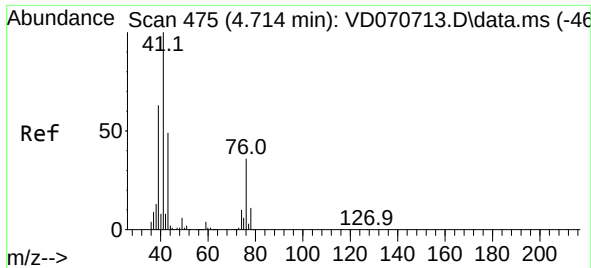
Tgt Ion: 53 Resp: 79
Ion Ratio Lower Upper
53 100
52 0.0 64.6 97.0#
51 0.0 28.7 43.1#



#16
Acetone
Concen: 3.899 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#

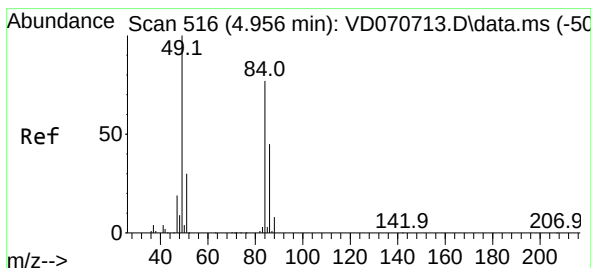
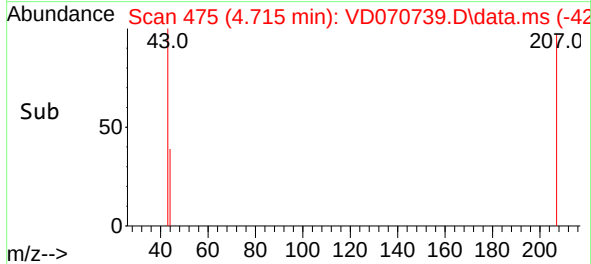
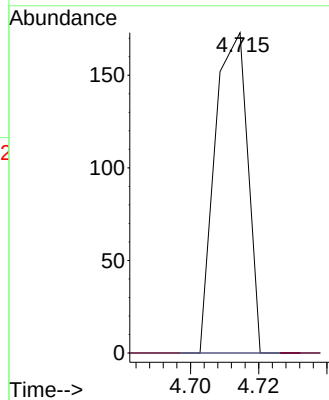
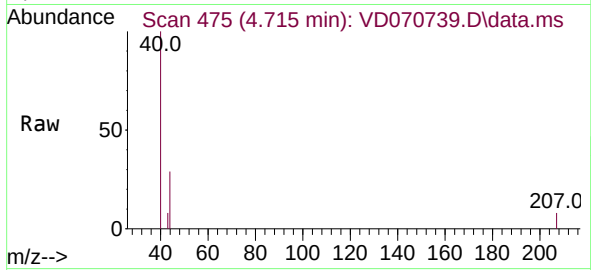




#18
Methyl Acetate
Concen: 2.303 ug/l
RT: 4.715 min Scan# 475
Delta R.T. 0.000 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

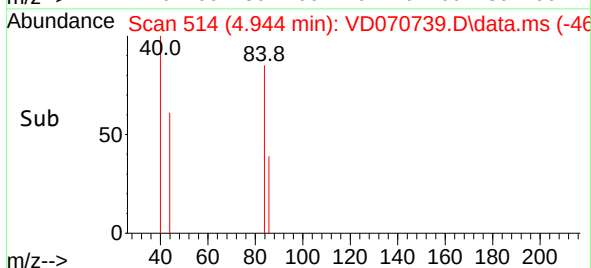
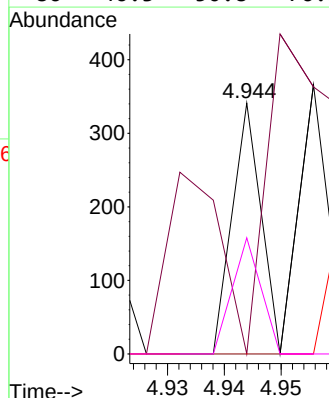
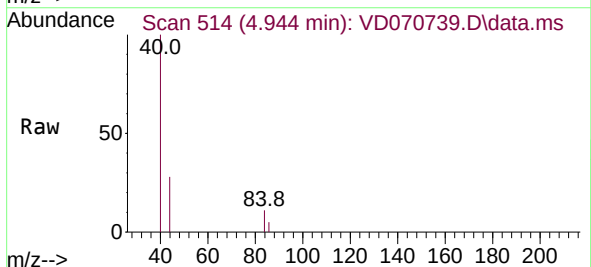
Instrument :
MSVOA_D
ClientSampleId :
MH-CB-(1)

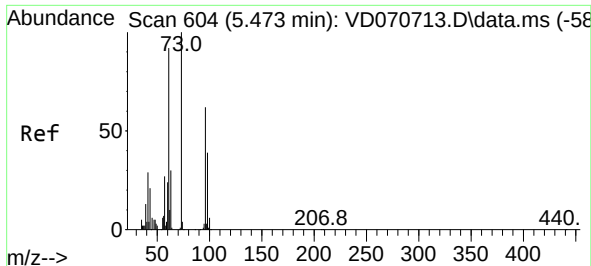
Tgt Ion: 43 Resp: 115
Ion Ratio Lower Upper
43 100
74 0.0 22.6 33.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.944 min Scan# 514
Delta R.T. -0.012 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

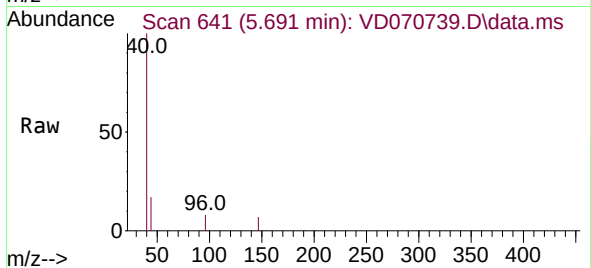
Tgt Ion: 84 Resp: 120
Ion Ratio Lower Upper
84 100
49 0.0 91.4 137.2#
51 0.0 26.7 40.1#
86 46.3 50.8 76.2#



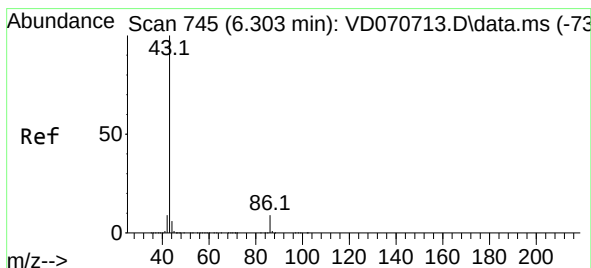
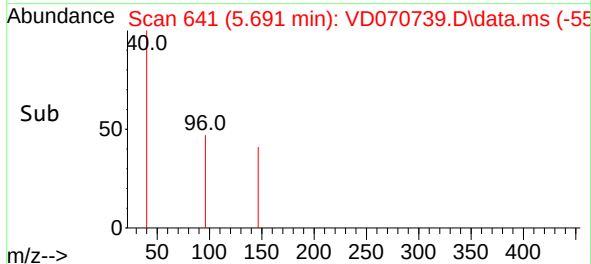
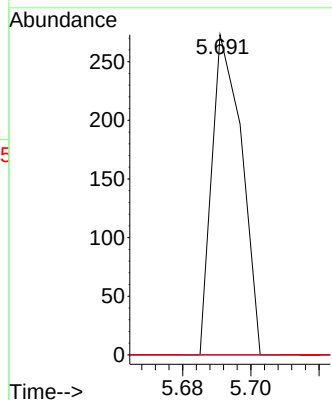


#21
trans-1,2-Dichloroethene
Concen: 2.648 ug/l
RT: 5.691 min Scan# 641
Delta R.T. 0.218 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

Instrument :
MSVOA_D
ClientSampleId :
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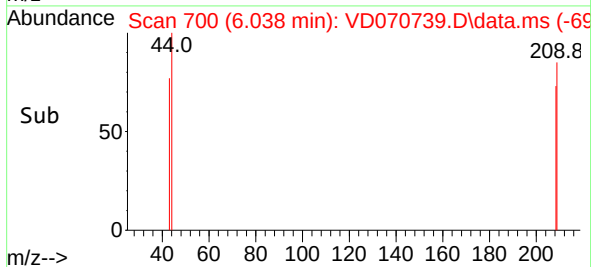
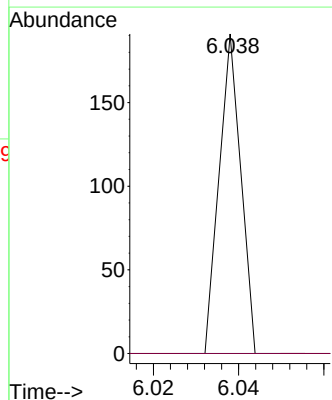
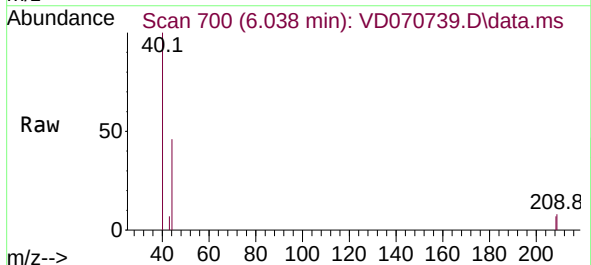


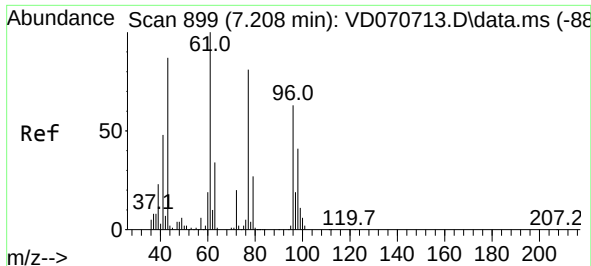
Tgt Ion: 96 Resp: 166
Ion Ratio Lower Upper
96 100
61 0.0 111.1 166.7#
98 0.0 51.9 77.9#



#23
Vinyl Acetate
Concen: 16.916 ug/l
RT: 6.038 min Scan# 700
Delta R.T. -0.265 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

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

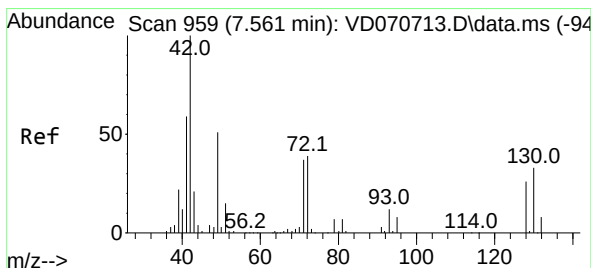
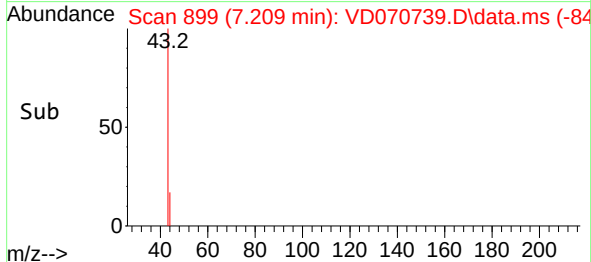
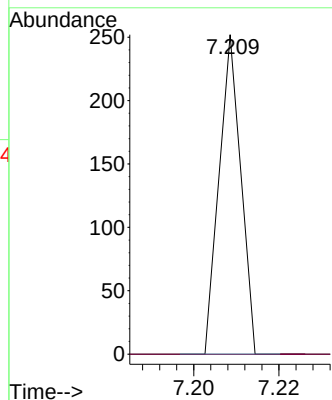
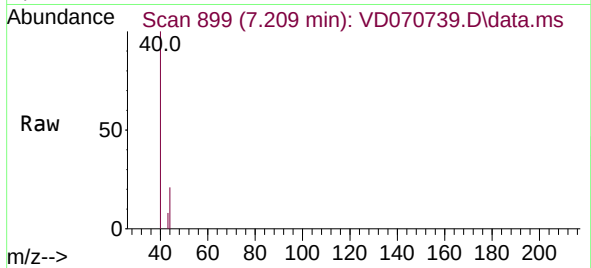




#25
2-Butanone
Concen: 5.016 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

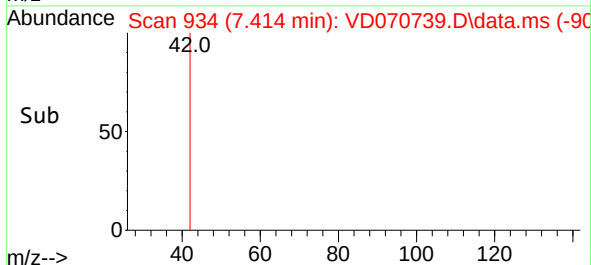
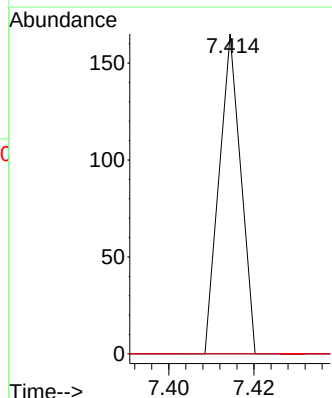
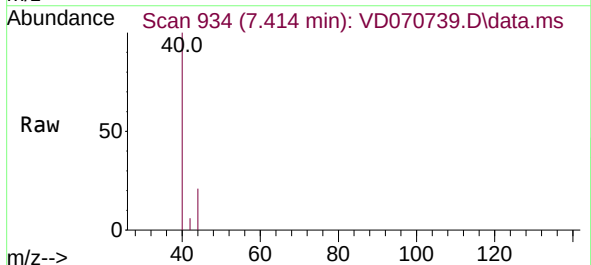
Instrument :
MSVOA_D
ClientSampleId :
MH-CB-(1)

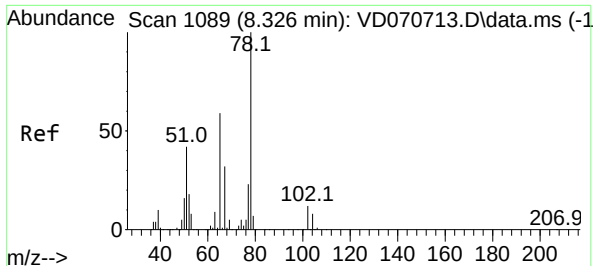
Tgt Ion: 43 Resp: 89
Ion Ratio Lower Upper
43 100
72 0.0 25.2 37.8#



#29
Tetrahydrofuran
Concen: 5.339 ug/l
RT: 7.414 min Scan# 934
Delta R.T. -0.147 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

Tgt Ion: 42 Resp: 58
Ion Ratio Lower Upper
42 100
72 0.0 40.2 60.4#
71 0.0 37.2 55.8#

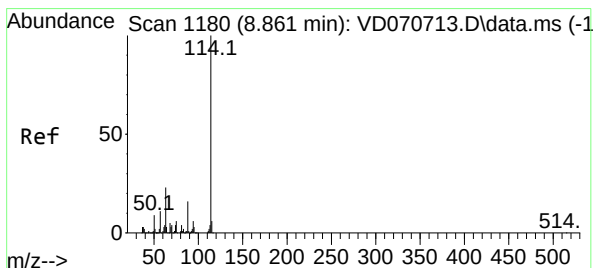
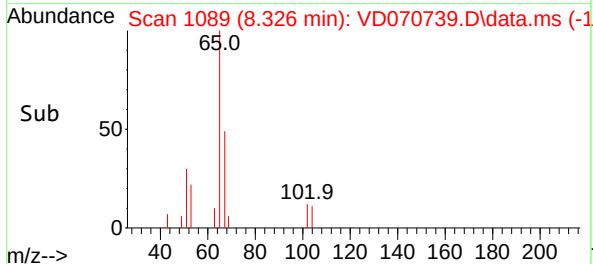
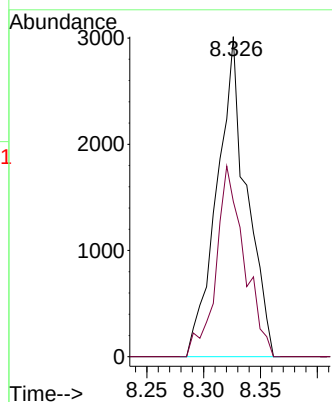
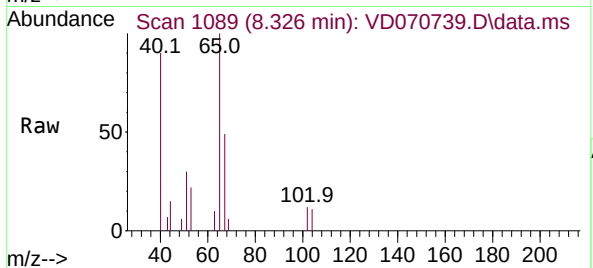




#33
1,2-Dichloroethane-d4
Concen: 92.203 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

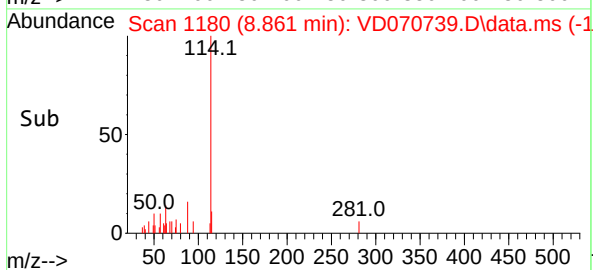
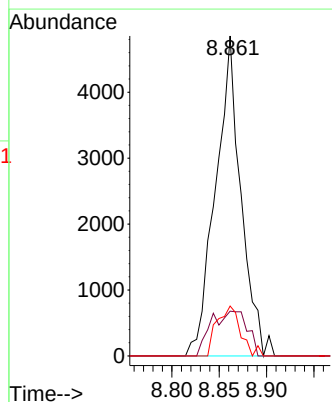
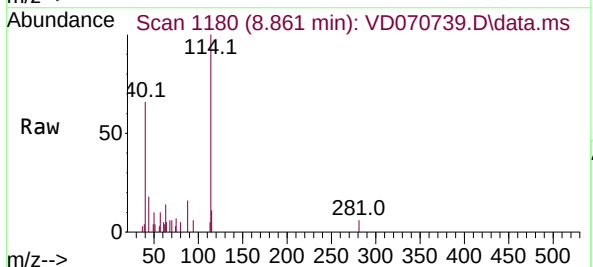
Instrument :
MSVOA_D
ClientSampleId :
MH-CB-(1)

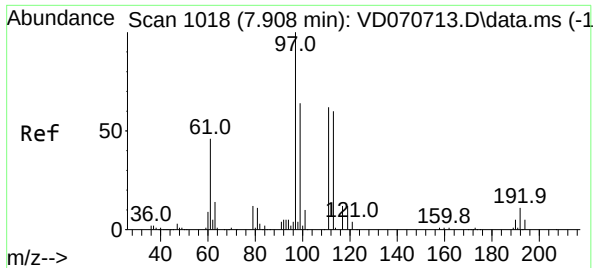
Tgt Ion: 65 Resp: 5491
Ion Ratio Lower Upper
65 100
67 56.8 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

Tgt Ion: 114 Resp: 9051
Ion Ratio Lower Upper
114 100
63 14.0 0.0 41.8
88 15.6 0.0 32.6

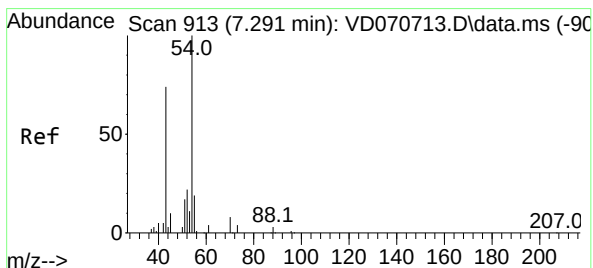
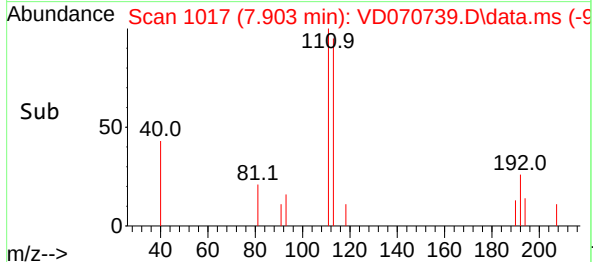
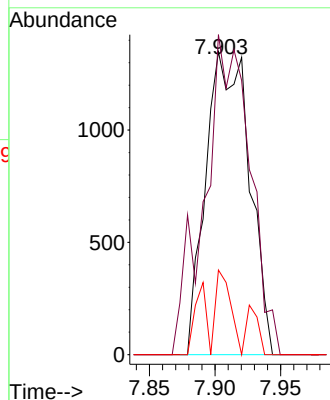
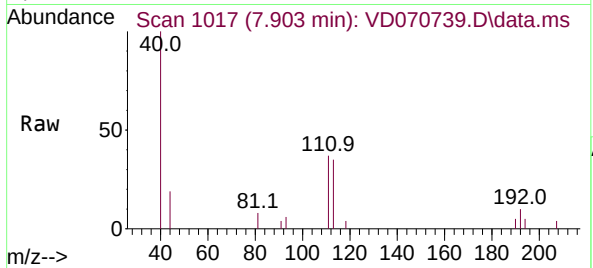




#35
Dibromofluoromethane
Concen: 53.577 ug/l
RT: 7.903 min Scan# 1017
Delta R.T. -0.006 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

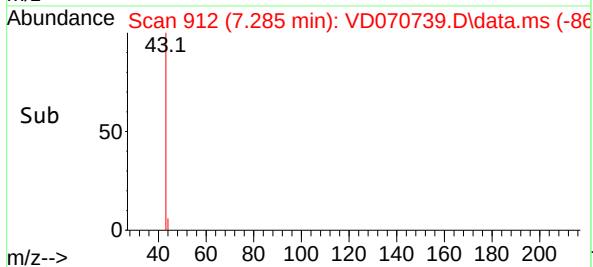
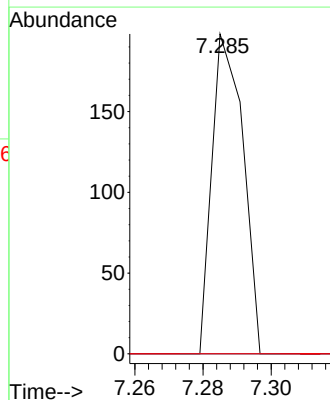
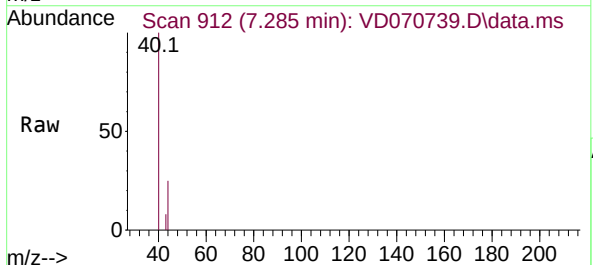
Instrument :
MSVOA_D
ClientSampleId :
MH-CB-(1)

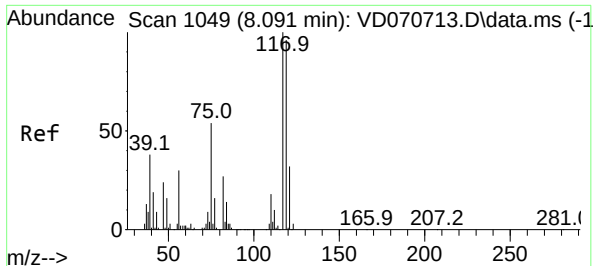
Tgt Ion:113 Resp: 3105
Ion Ratio Lower Upper
113 100
111 110.6 83.1 124.7
192 9.7 12.7 19.1#



#37
Ethyl Acetate
Concen: 2.992 ug/l
RT: 7.285 min Scan# 912
Delta R.T. -0.006 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

Tgt Ion: 43 Resp: 125
Ion Ratio Lower Upper
43 100
61 0.0 12.9 19.3#
70 0.0 9.9 14.9#

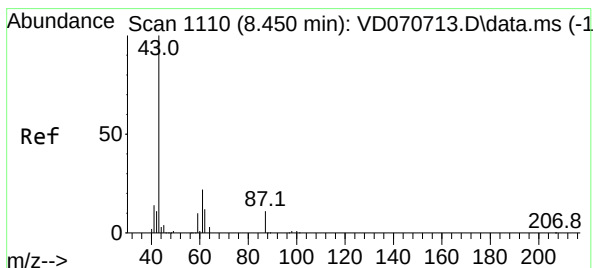
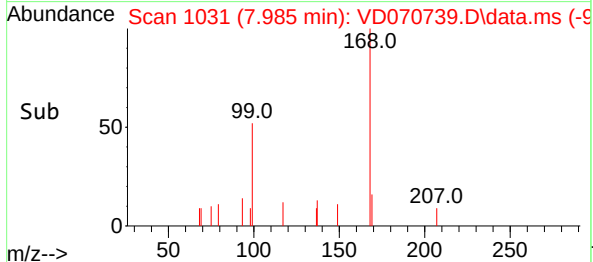
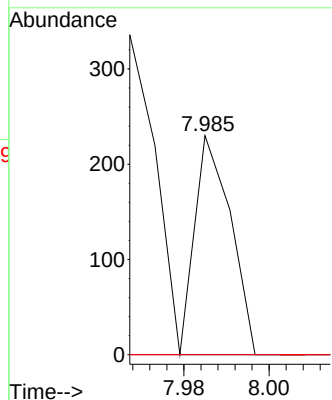
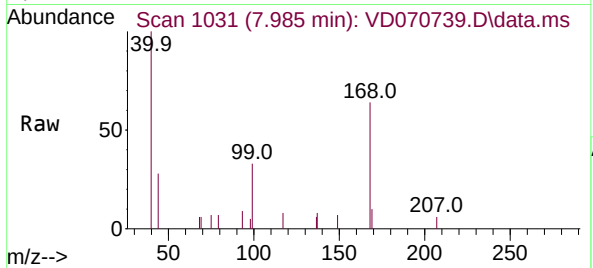




#38
Carbon Tetrachloride
Concen: 1.398 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.106 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

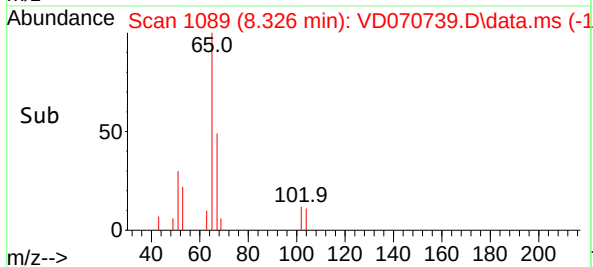
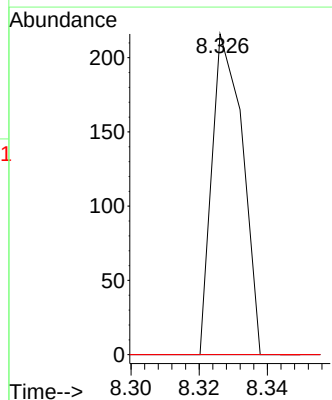
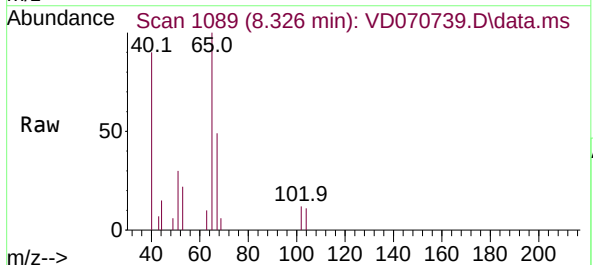
Instrument :
MSVOA_D
ClientSampleId :
MH-CB-(1)

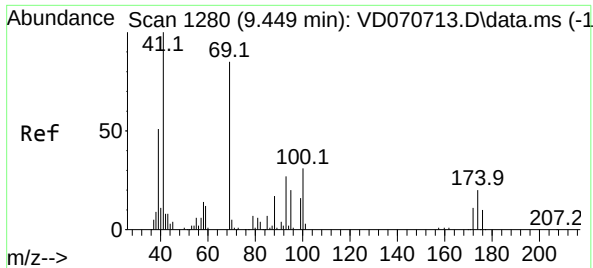
Tgt Ion:117 Resp: 135
Ion Ratio Lower Upper
117 100
119 0.0 77.4 116.0#
121 0.0 25.4 38.0#



#43
Isopropyl Acetate
Concen: 1.682 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.123 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

Tgt Ion: 43 Resp: 134
Ion Ratio Lower Upper
43 100
61 0.0 29.0 43.4#
87 0.0 11.8 17.6#

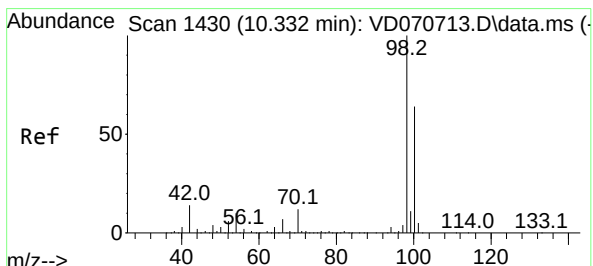
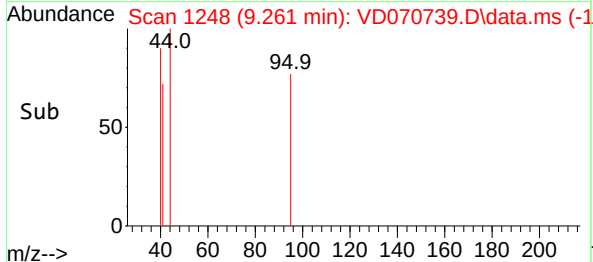
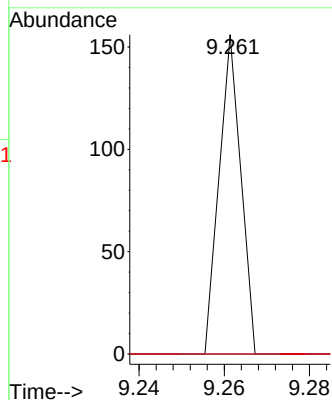
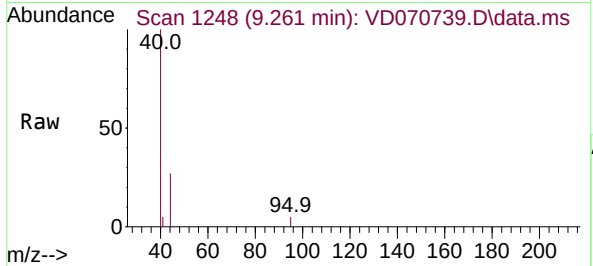




#48
Methyl methacrylate
Concen: 1.409 ug/l
RT: 9.261 min Scan# 1248
Delta R.T. -0.188 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

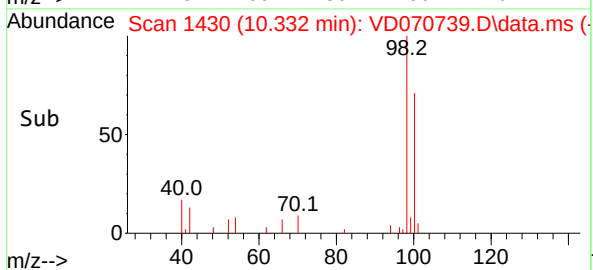
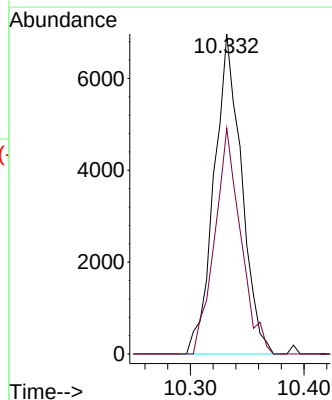
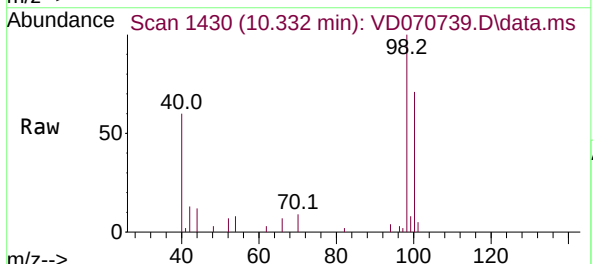
Instrument :
MSVOA_D
ClientSampleId :
MH-CB-(1)

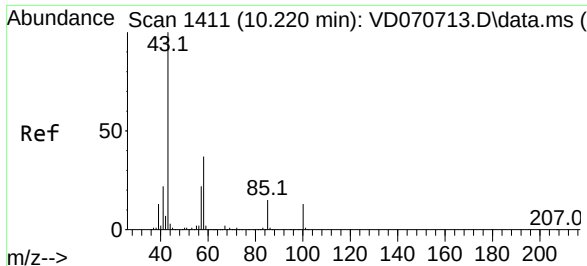
Tgt Ion: 41 Resp: 55
Ion Ratio Lower Upper
41 100
69 0.0 78.5 117.7#
39 0.0 34.9 52.3#



#50
Toluene-d8
Concen: 52.508 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

Tgt Ion: 98 Resp: 11665
Ion Ratio Lower Upper
98 100
100 67.2 52.2 78.4

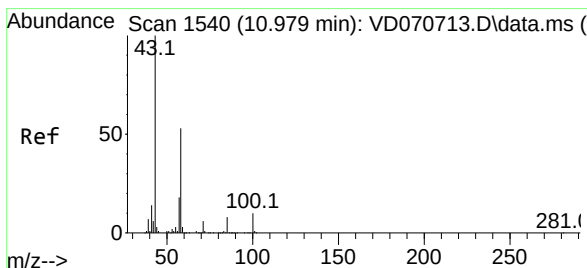
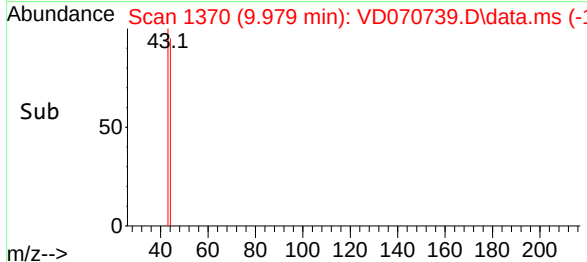
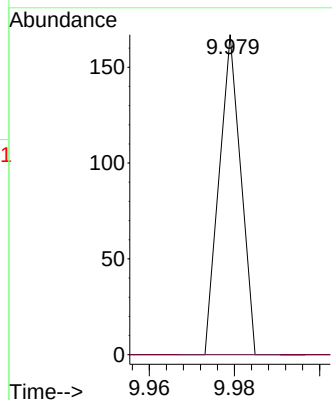
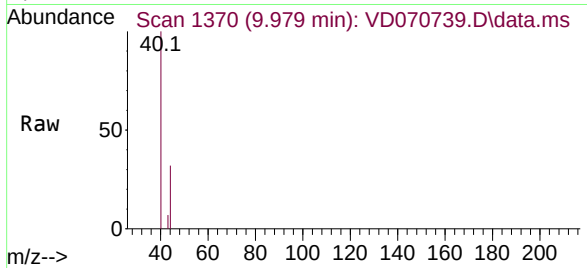




#51
4-Methyl-2-Pentanone
Concen: 1.405 ug/l
RT: 9.979 min Scan# 1370
Delta R.T. -0.241 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

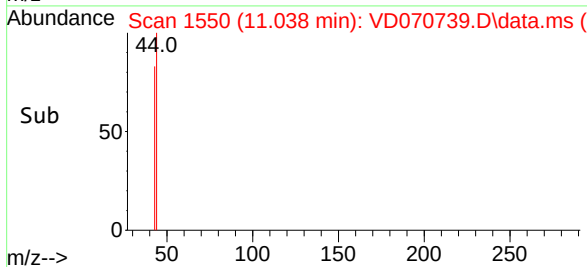
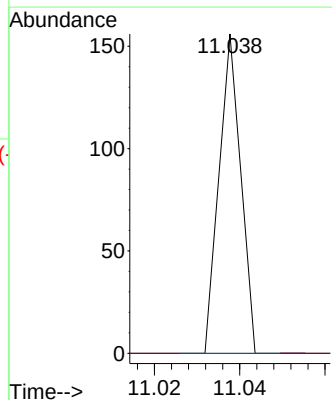
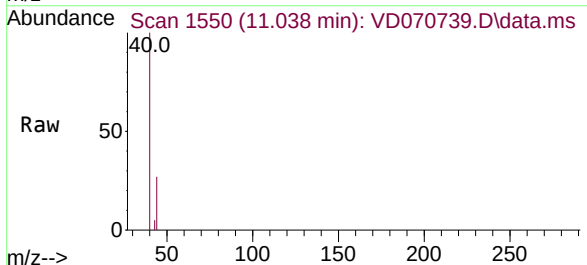
Instrument :
MSVOA_D
ClientSampleId :
MH-CB-(1)

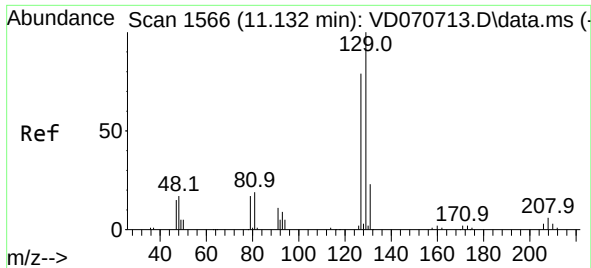
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
58 0.0 35.0 52.6#



#59
2-Hexanone
Concen: 1.860 ug/l
RT: 11.038 min Scan# 1550
Delta R.T. 0.059 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#

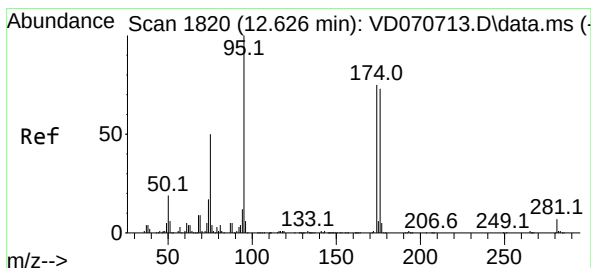
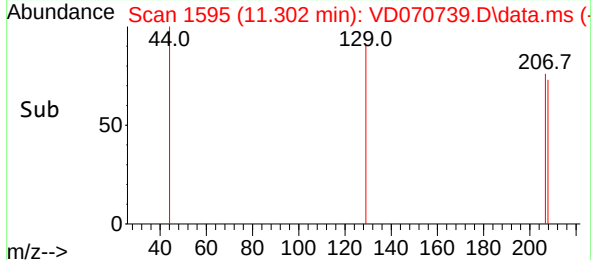
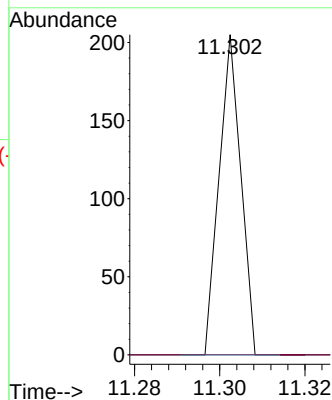
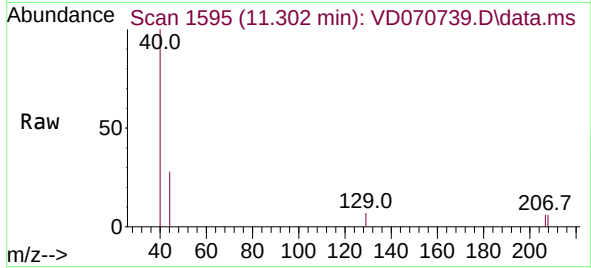




#60
Dibromochloromethane
Concen: 1.242 ug/l
RT: 11.302 min Scan# 1595
Delta R.T. 0.171 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

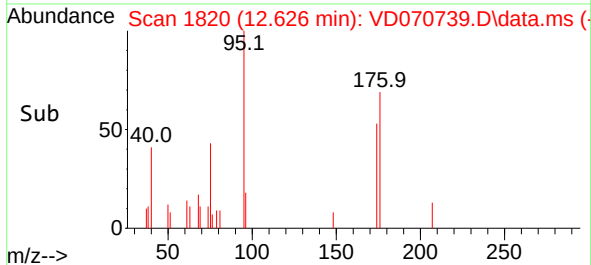
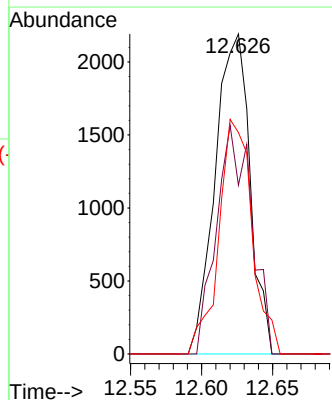
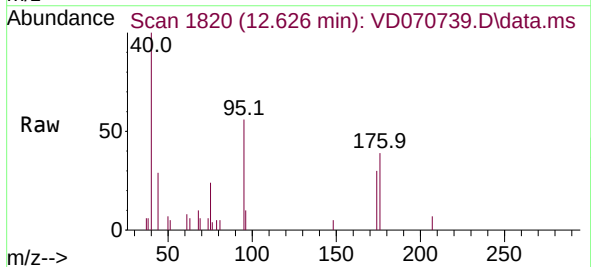
Instrument :
MSVOA_D
ClientSampleId :
MH-CB-(1)

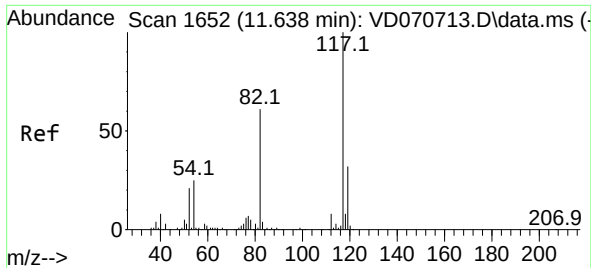
Tgt Ion:129 Resp: 72
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 48.774 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

Tgt Ion: 95 Resp: 3731
Ion Ratio Lower Upper
95 100
174 72.0 0.0 138.0
176 70.1 0.0 135.6

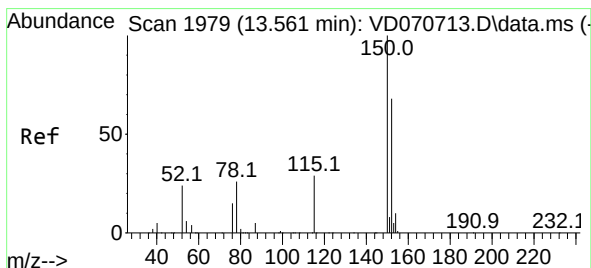
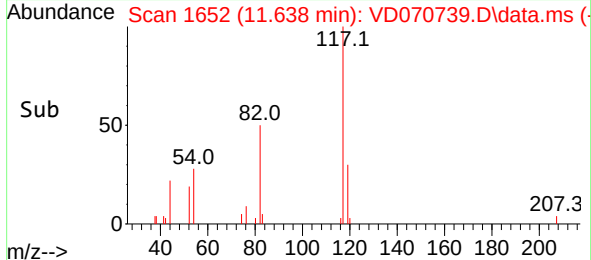
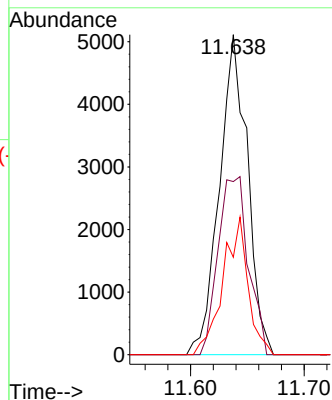
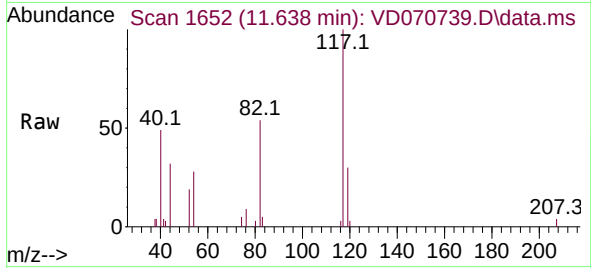




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

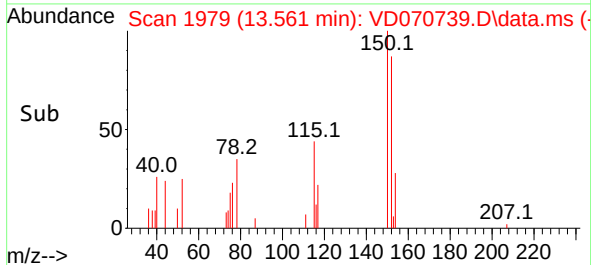
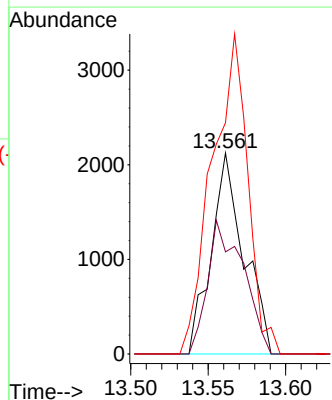
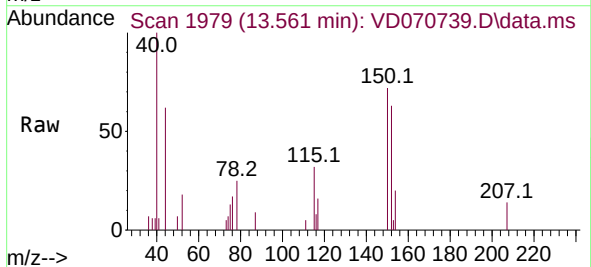
Instrument :
MSVOA_D
ClientSampleID :
MH-CB-(1)

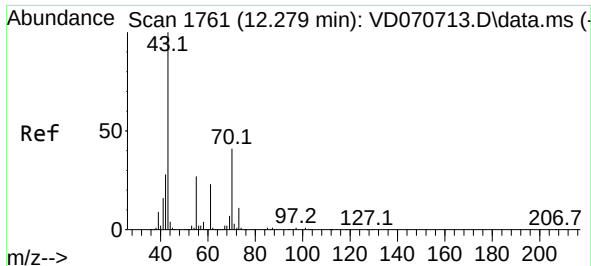
Tgt Ion:	117	Resp:	8788
Ion	Ratio	Lower	Upper
117	100		
82	54.1	45.4	68.2
119	30.4	24.7	37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

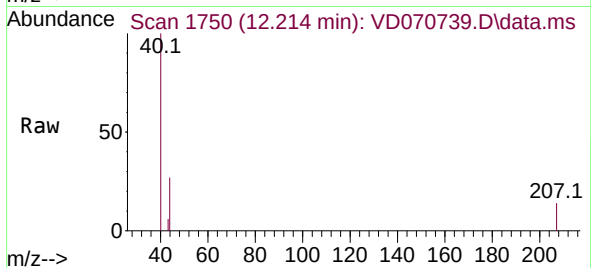
Tgt Ion:	152	Resp:	3115
Ion	Ratio	Lower	Upper
152	100		
115	72.3	31.9	95.7
150	173.3	0.0	350.0



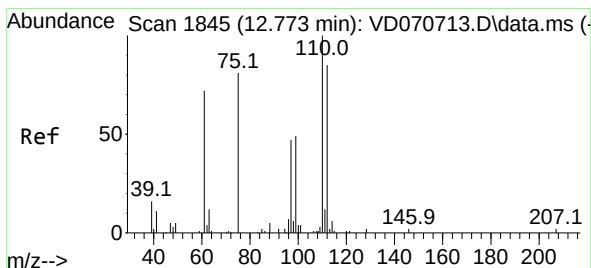
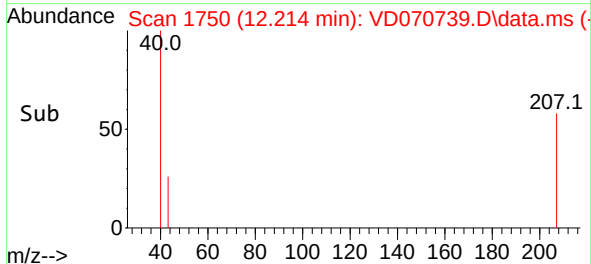
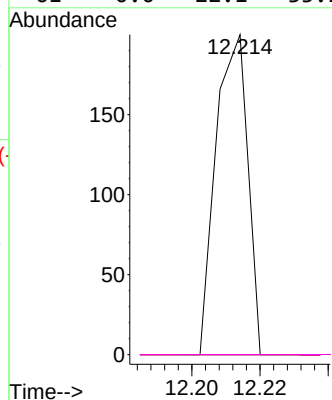


#74
N-amy1 acetate
Concen: 2.233 ug/l
RT: 12.214 min Scan# 1750
Delta R.T. -0.065 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

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

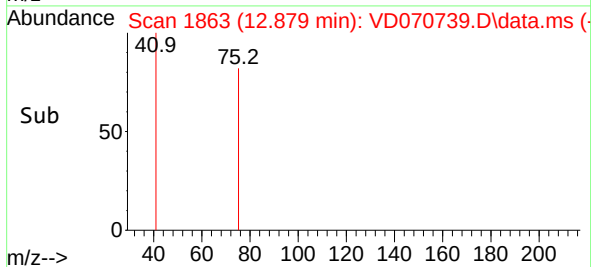
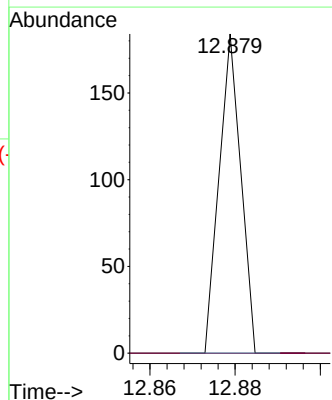
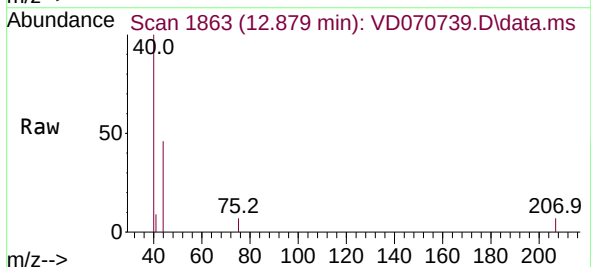


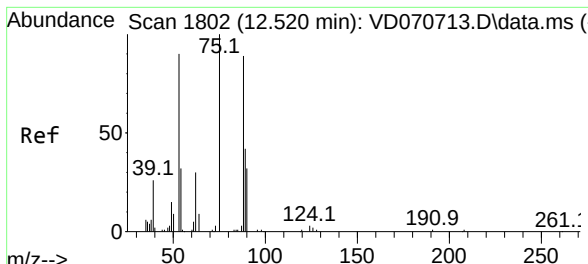
Tgt Ion: 43	Resp: 129
Ion Ratio	Lower Upper
43	100
70	0.0 40.0 60.0#
55	0.0 23.8 35.6#
61	0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 2.415 ug/l
RT: 12.879 min Scan# 1863
Delta R.T. 0.106 min
Lab File: VD070739.D
Acq: 18 Oct 2021 19:34

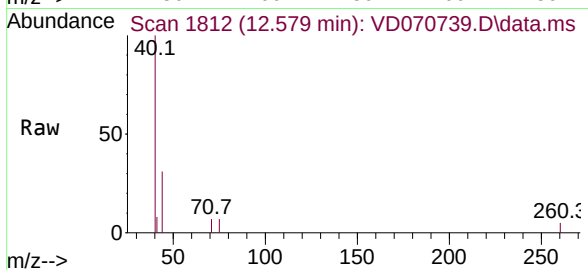
Tgt Ion: 75	Resp: 65
Ion Ratio	Lower Upper
75	100
77	0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 6.999 ug/l
 RT: 12.579 min Scan# 1812
 Delta R.T. 0.059 min
 Lab File: VD070739.D
 Acq: 18 Oct 2021 19:34

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



Tgt Ion: 75 Resp: 86
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.5 96.7#
 89 0.0 35.3 52.9#

