

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102021\
 Data File : VD070786.D
 Acq On : 20 Oct 2021 20:07
 Operator : VA/SY
 Sample : M4285-16
 Misc : 5.47G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Oct 21 05:41:53 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)

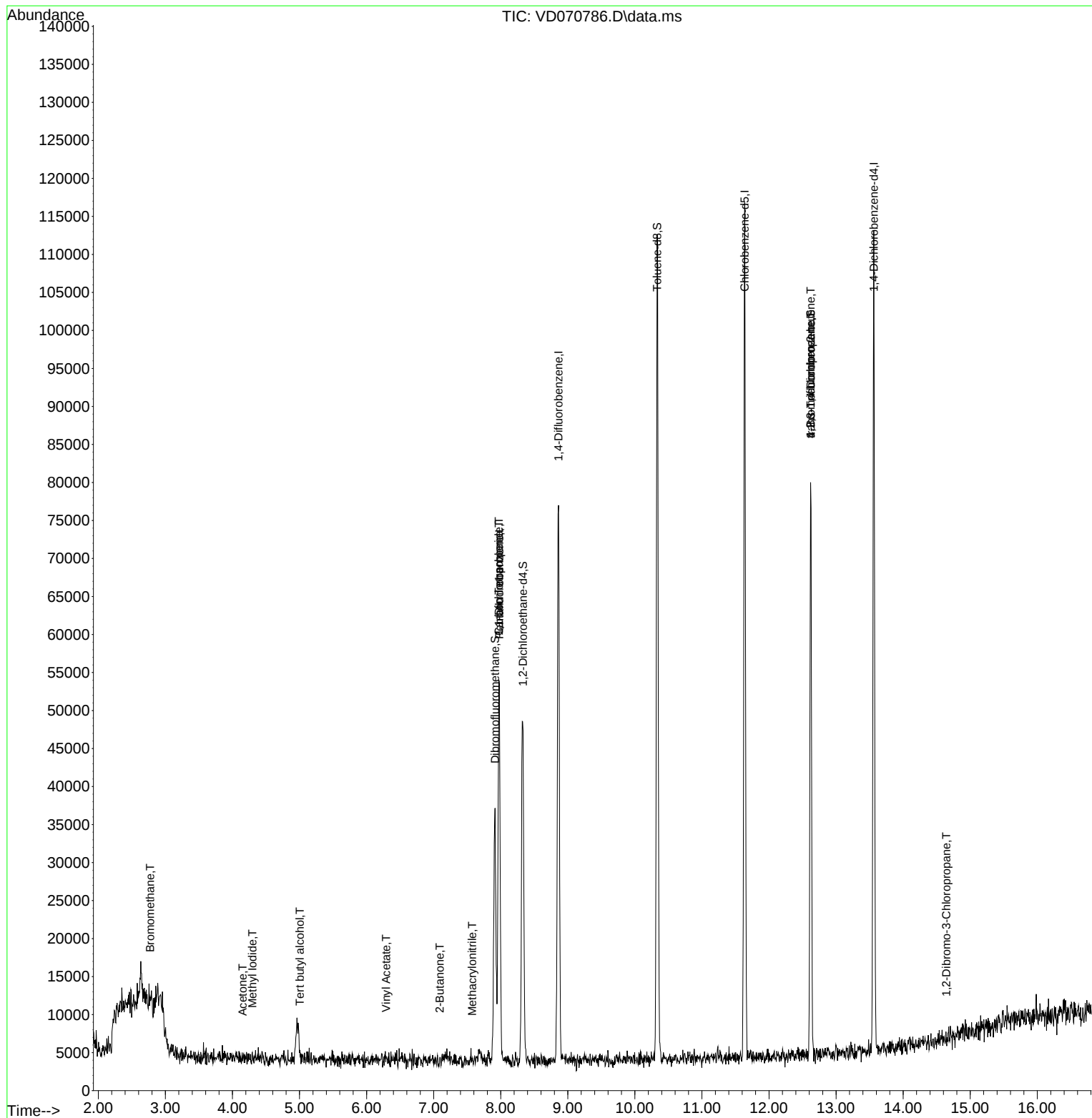
Internal Standards						
1) Pentafluorobenzene	7.979	168	36139	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	58480	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	63292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	26571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	38096	89.001	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 178.000%#			
35) Dibromofluoromethane	7.914	113	22174	59.217	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 118.440%			
50) Toluene-d8	10.332	98	74090	51.616	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.240%			
62) 4-Bromofluorobenzene	12.620	95	25175	50.936	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.880%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	1520	3.880	ug/l #	36
10) Methyl Iodide	4.297	142	70	3.465	ug/l #	38
11) Tert butyl alcohol	5.003	59	57	2.379	ug/l #	83
16) Acetone	4.150	43	282	2.731	ug/l #	40
20) Methylene Chloride	4.956	84	2296	Below Cal	#	73
23) Vinyl Acetate	6.291	43	60	16.402	ug/l #	69
25) 2-Butanone	7.091	43	144	1.129	ug/l #	43
36) 1,1-Dichloropropene	7.973	75	3273	5.024	ug/l #	46
38) Carbon Tetrachloride	7.973	117	3247	5.204	ug/l #	12
41) Methacrylonitrile	7.573	41	58	2.271	ug/l #	10
76) 1,2,3-Trichloropropane	12.620	75	11859	51.659	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	11859	113.149	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.643	75	95	1.590	ug/l #	6

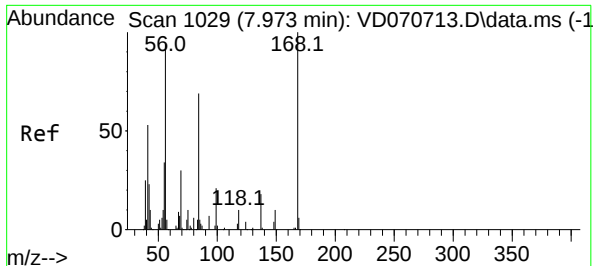
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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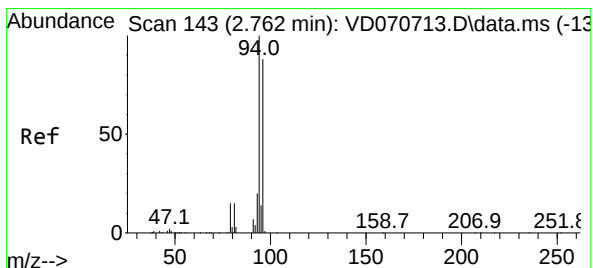
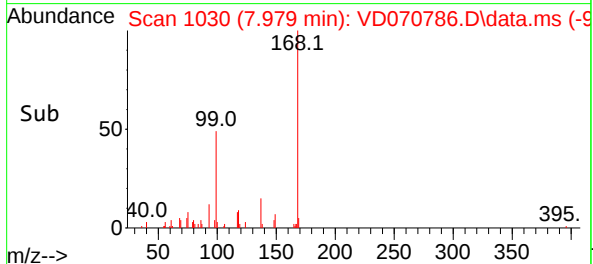
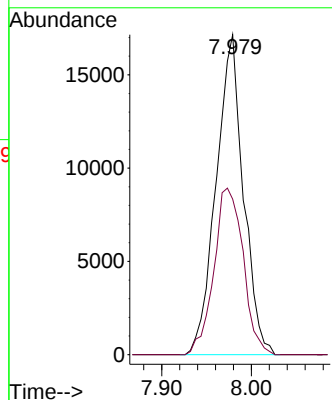
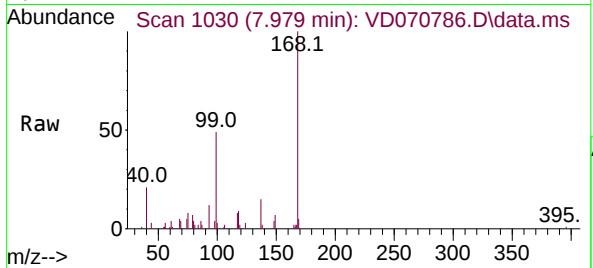




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070786.D
Acq: 20 Oct 2021 20:07

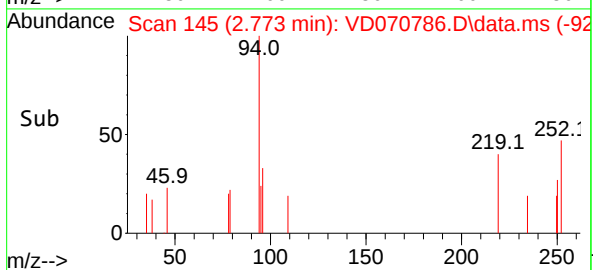
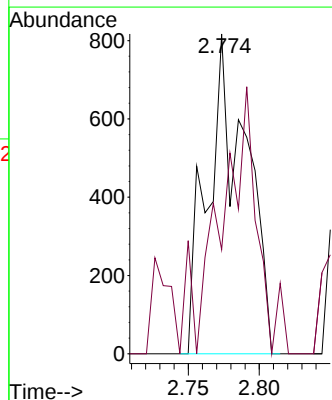
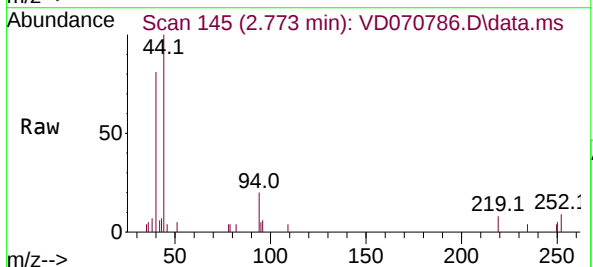
Instrument :
MSVOA_D
ClientSampleId :
MH-FB-(1)

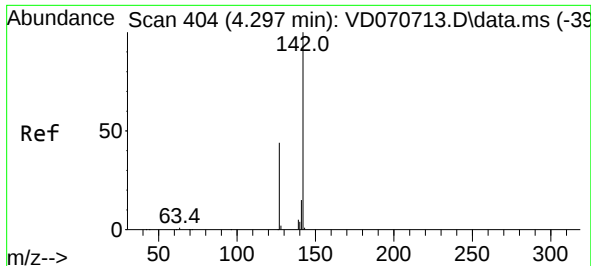
Tgt Ion:168 Resp: 36139
Ion Ratio Lower Upper
168 100
99 48.6 51.4 77.0#



#5
Bromomethane
Concen: 3.880 ug/l
RT: 2.773 min Scan# 145
Delta R.T. 0.012 min
Lab File: VD070786.D
Acq: 20 Oct 2021 20:07

Tgt Ion: 94 Resp: 1520
Ion Ratio Lower Upper
94 100
96 32.6 75.5 113.3#

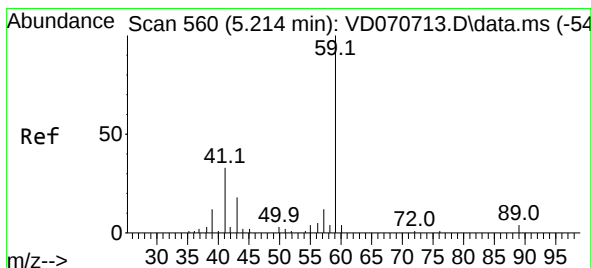
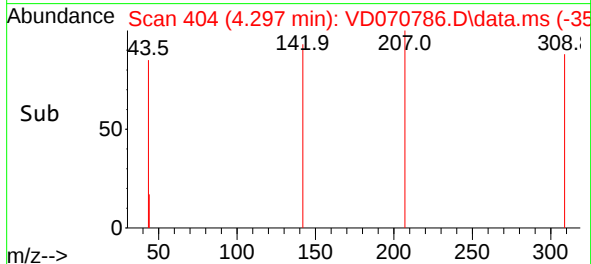
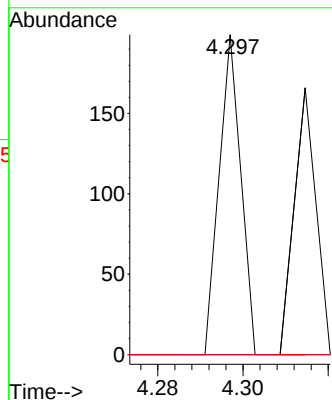
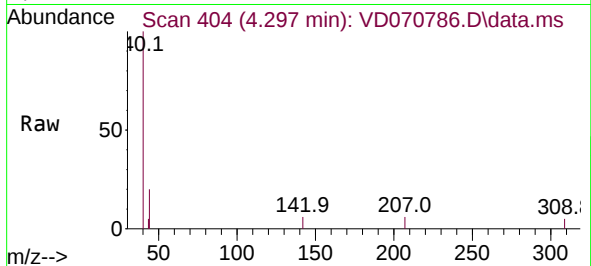




#10
Methyl Iodide
Concen: 3.465 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070786.D
Acq: 20 Oct 2021 20:07

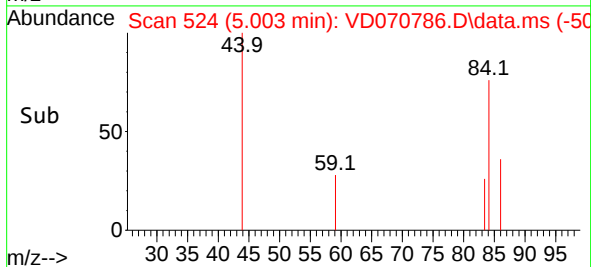
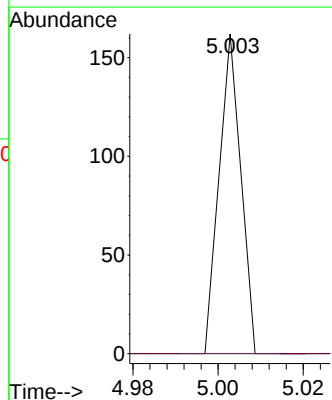
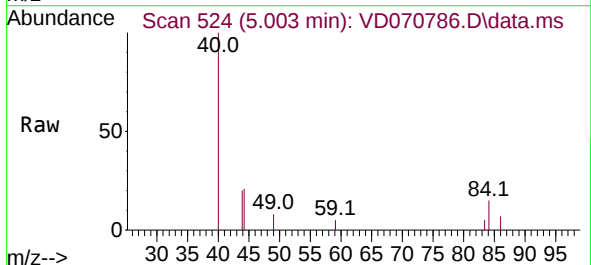
Instrument :
MSVOA_D
ClientSampleId :
MH-FB-(1)

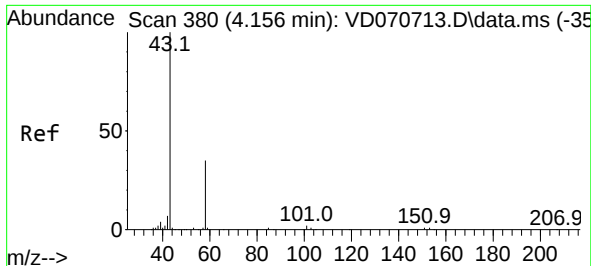
Tgt Ion:142 Resp: 70
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: 2.379 ug/l
RT: 5.003 min Scan# 524
Delta R.T. -0.212 min
Lab File: VD070786.D
Acq: 20 Oct 2021 20:07

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

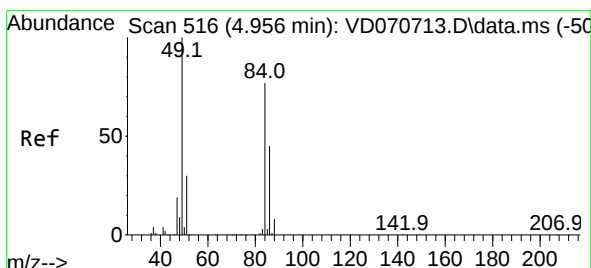
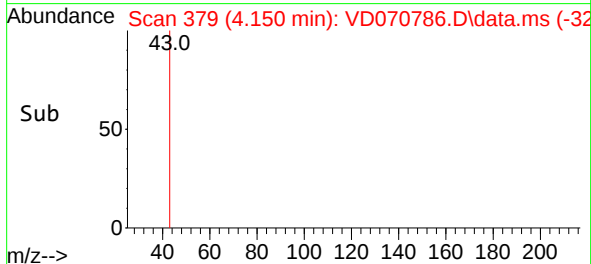
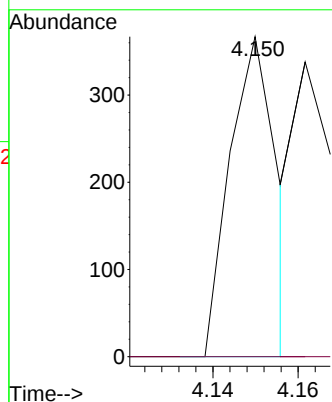
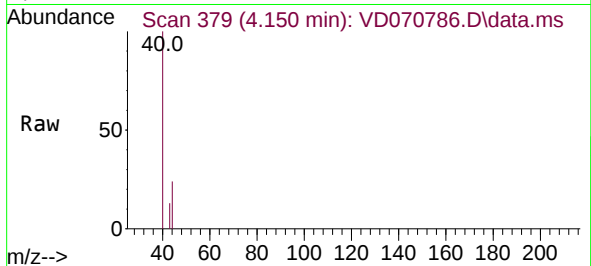




#16
Acetone
Concen: 2.731 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070786.D
Acq: 20 Oct 2021 20:07

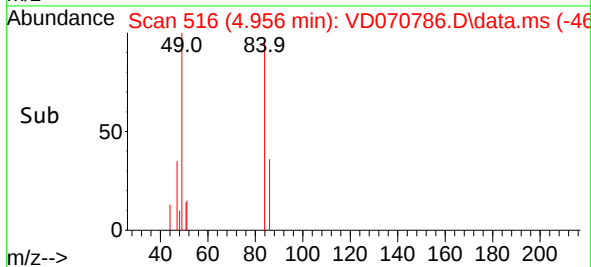
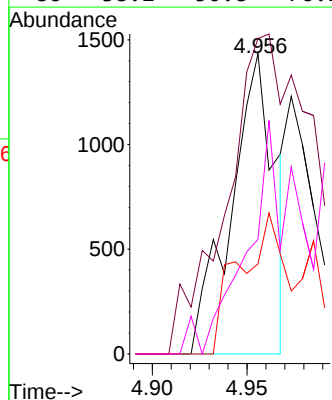
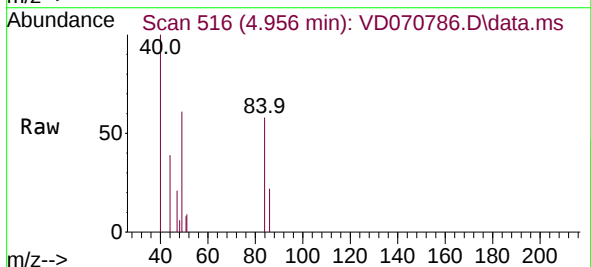
Instrument :
MSVOA_D
ClientSampled :
MH-FB-(1)

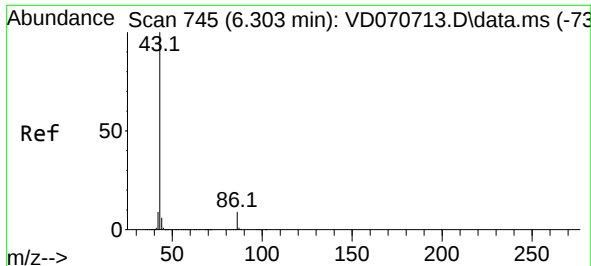
Tgt Ion: 43 Resp: 282
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.000 min
Lab File: VD070786.D
Acq: 20 Oct 2021 20:07

Tgt Ion: 84 Resp: 2296
Ion Ratio Lower Upper
84 100
49 81.8 91.4 137.2#
51 30.0 26.7 40.1
86 38.2 50.8 76.2#

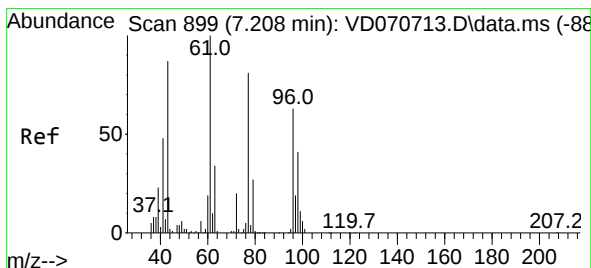
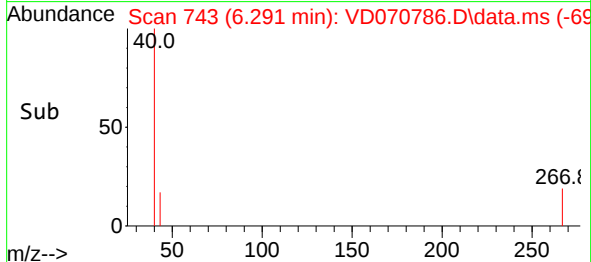
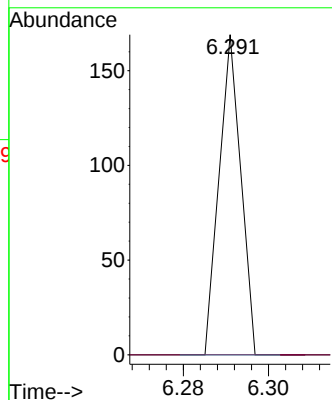
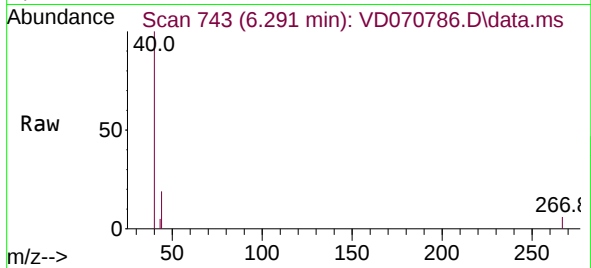




#23
 Vinyl Acetate
 Concen: 16.402 ug/l
 RT: 6.291 min Scan# 743
 Delta R.T. -0.012 min
 Lab File: VD070786.D
 Acq: 20 Oct 2021 20:07

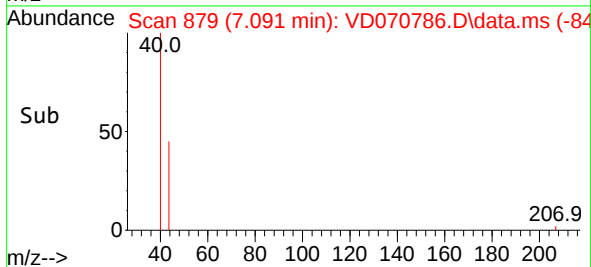
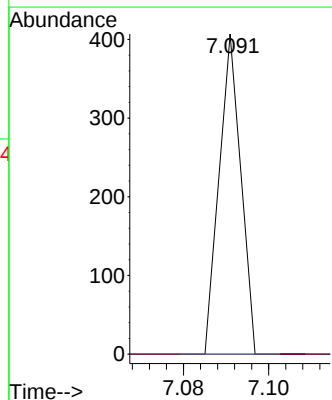
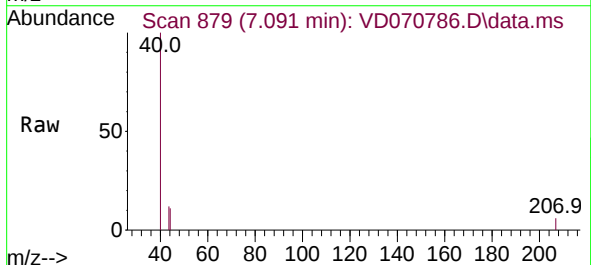
Instrument :
 MSVOA_D
 ClientSampleID :
 MH-FB-(1)

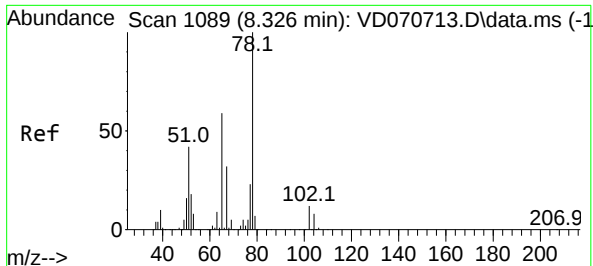
Tgt Ion: 43 Resp: 60
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.8 14.6#



#25
 2-Butanone
 Concen: 1.129 ug/l
 RT: 7.091 min Scan# 879
 Delta R.T. -0.117 min
 Lab File: VD070786.D
 Acq: 20 Oct 2021 20:07

Tgt Ion: 43 Resp: 144
 Ion Ratio Lower Upper
 43 100
 72 0.0 25.2 37.8#

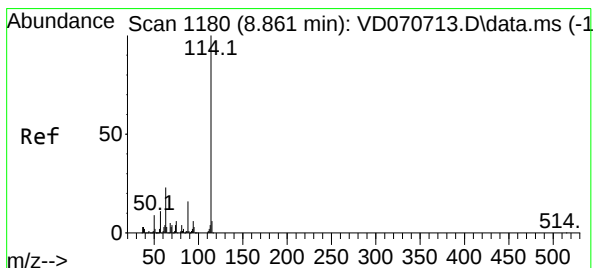
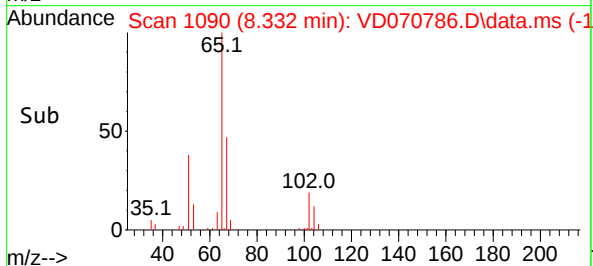
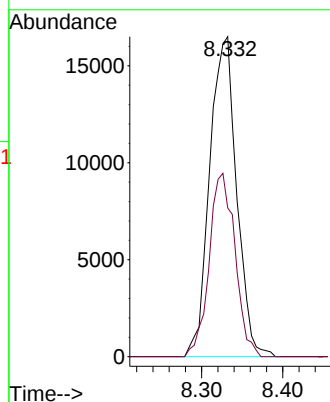
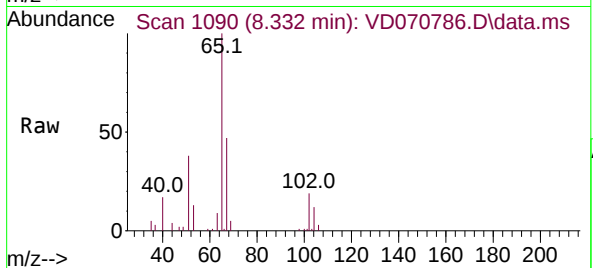




#33
1,2-Dichloroethane-d4
Concen: 89.001 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070786.D
Acq: 20 Oct 2021 20:07

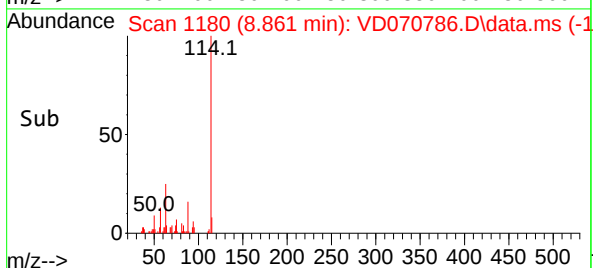
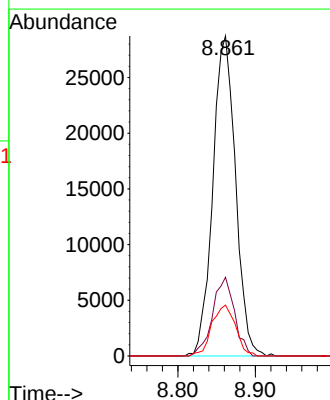
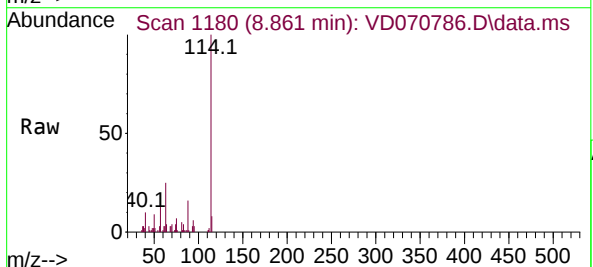
Instrument :
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ClientSampleId :
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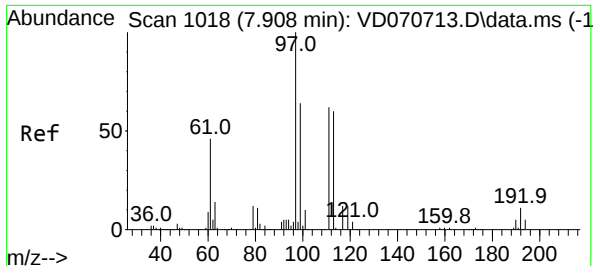
Tgt Ion: 65 Resp: 38096
Ion Ratio Lower Upper
65 100
67 54.8 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070786.D
Acq: 20 Oct 2021 20:07

Tgt Ion: 114 Resp: 58480
Ion Ratio Lower Upper
114 100
63 24.6 0.0 41.8
88 15.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 59.217 ug/l

RT: 7.914 min Scan# 1019

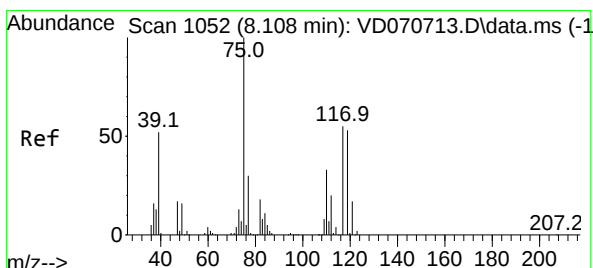
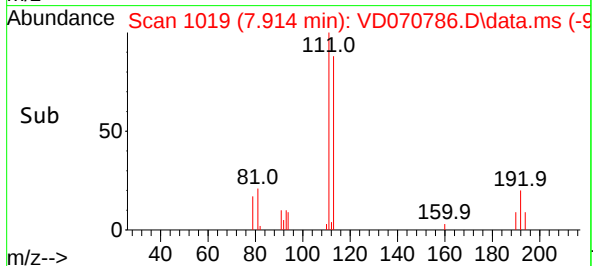
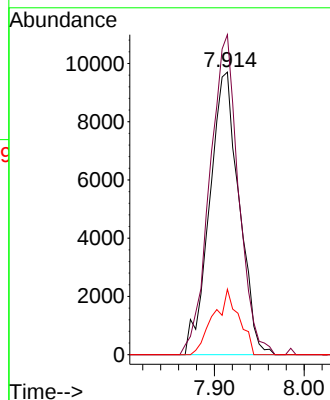
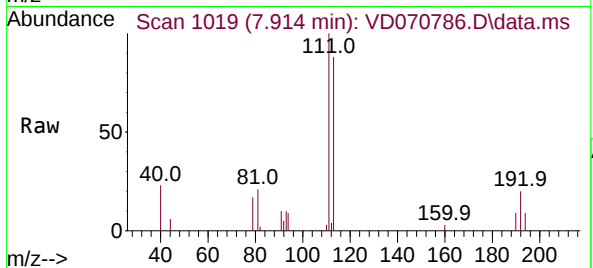
Delta R.T. 0.006 min

Lab File: VD070786.D

Acq: 20 Oct 2021 20:07

Tgt Ion:	113	Resp:	22174
Ion	Ratio	Lower	Upper
113	100		
111	110.3	83.1	124.7
192	20.0	12.7	19.1#

Instrument :
MSVOA_D
ClientSampleId :
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#36

1,1-Dichloropropene

Concen: 5.024 ug/l

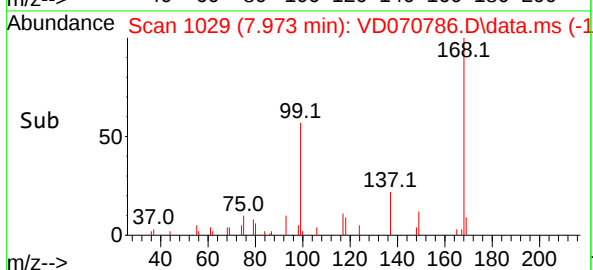
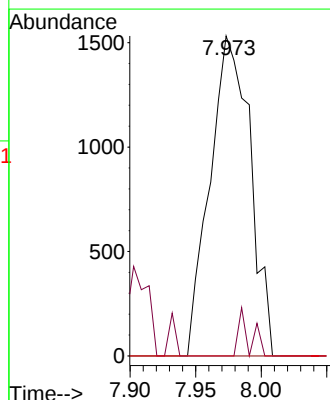
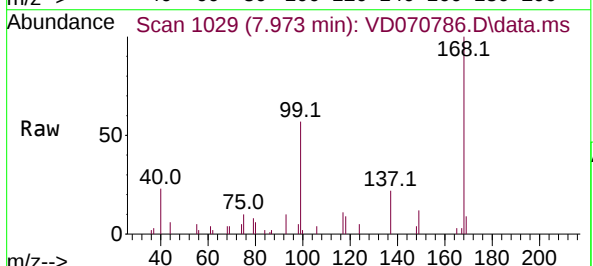
RT: 7.973 min Scan# 1029

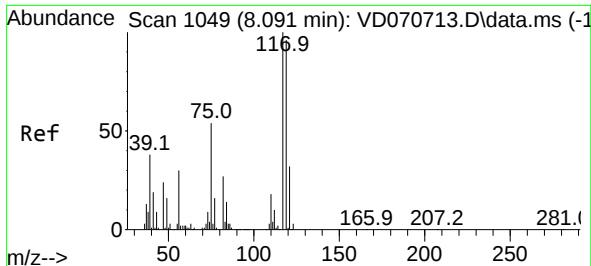
Delta R.T. -0.135 min

Lab File: VD070786.D

Acq: 20 Oct 2021 20:07

Tgt Ion:	75	Resp:	3273
Ion	Ratio	Lower	Upper
75	100		
110	4.2	17.2	51.6#
77	0.0	24.2	36.4#

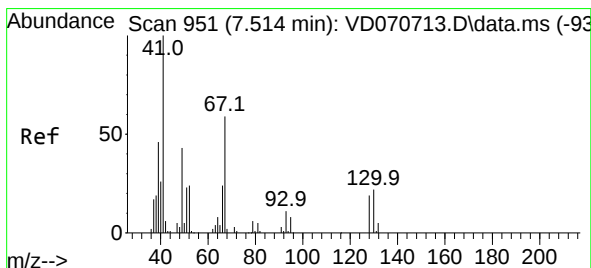
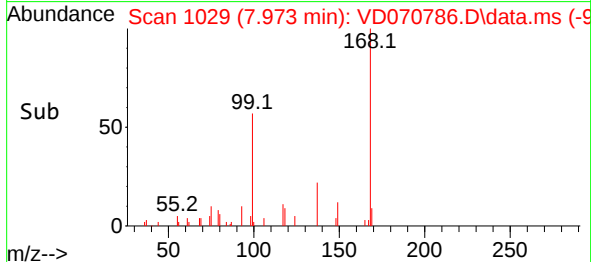
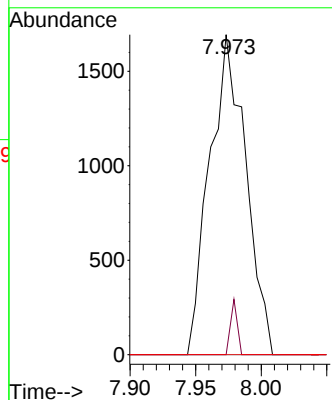
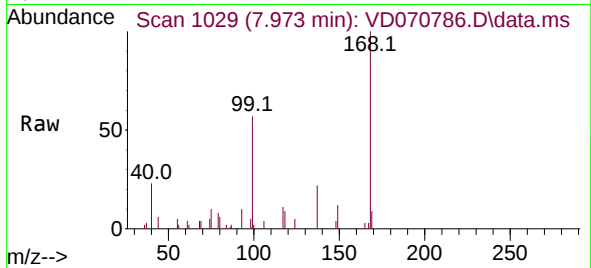




#38
Carbon Tetrachloride
Concen: 5.204 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.117 min
Lab File: VD070786.D
Acq: 20 Oct 2021 20:07

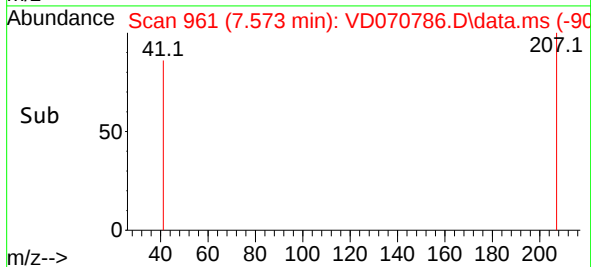
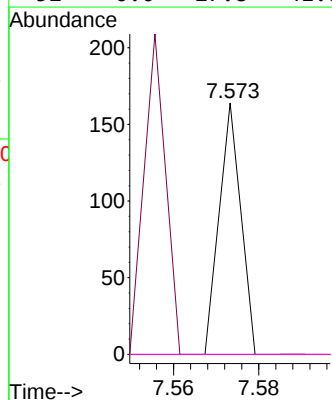
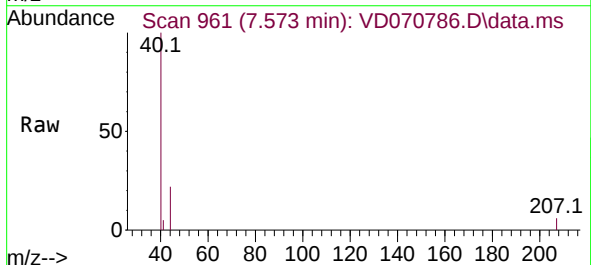
Instrument :
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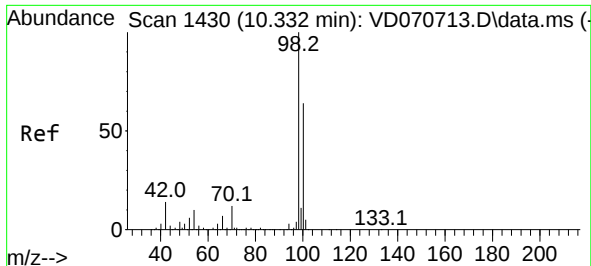
Tgt Ion:117 Resp: 3247
Ion Ratio Lower Upper
117 100
119 0.0 77.4 116.0#
121 0.0 25.4 38.0#



#41
Methacrylonitrile
Concen: 2.271 ug/l
RT: 7.573 min Scan# 961
Delta R.T. 0.059 min
Lab File: VD070786.D
Acq: 20 Oct 2021 20:07

Tgt Ion: 41 Resp: 58
Ion Ratio Lower Upper
41 100
39 127.6 45.2 67.8#
67 0.0 75.8 113.6#
52 0.0 27.8 41.8#

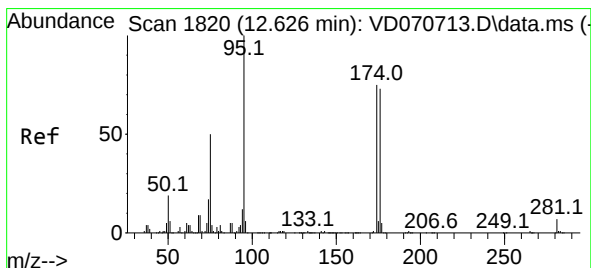
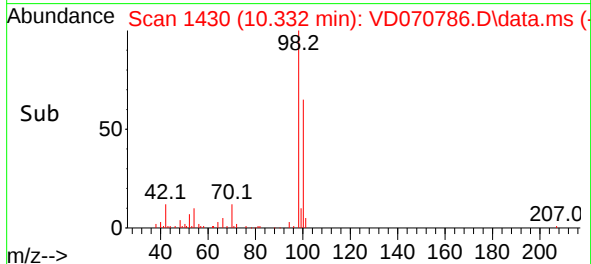
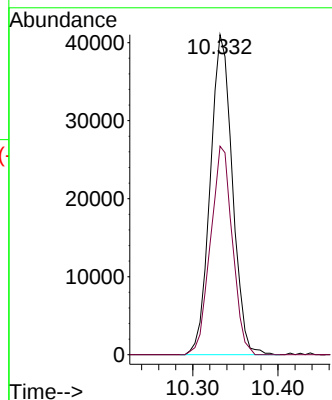
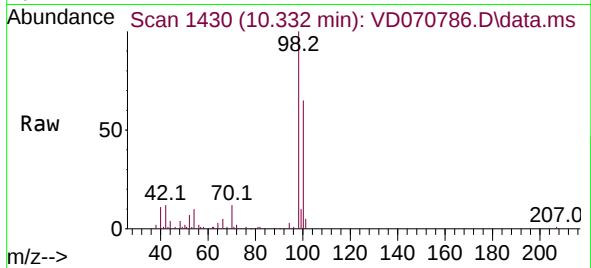




#50
Toluene-d8
Concen: 51.616 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070786.D
Acq: 20 Oct 2021 20:07

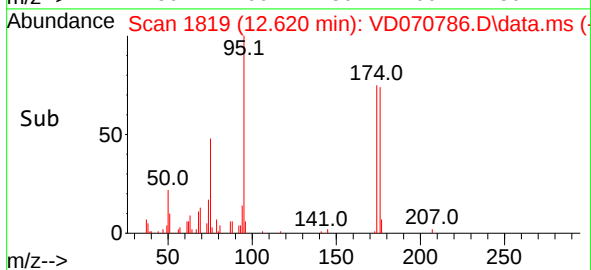
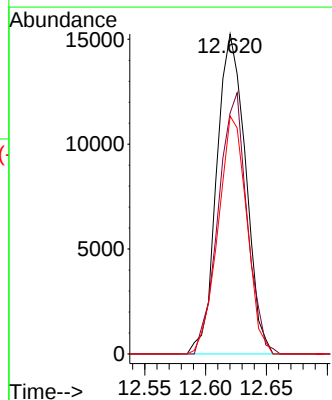
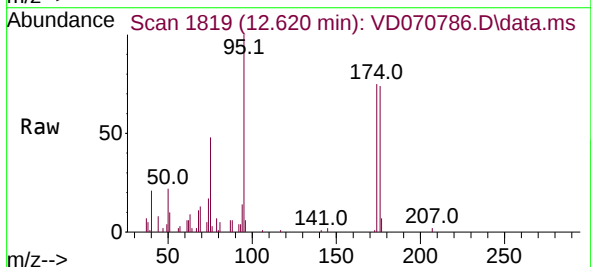
Instrument :
MSVOA_D
ClientSampled :
MH-FB-(1)

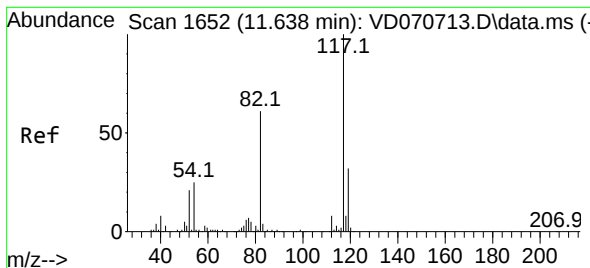
Tgt Ion: 98 Resp: 74090
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 50.936 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070786.D
Acq: 20 Oct 2021 20:07

Tgt Ion: 95 Resp: 25175
Ion Ratio Lower Upper
95 100
174 80.8 0.0 138.0
176 73.8 0.0 135.6

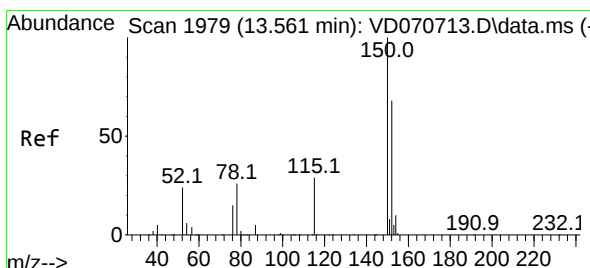
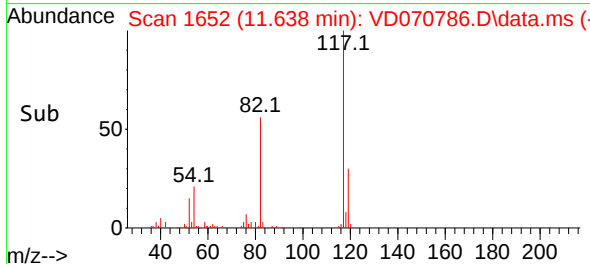
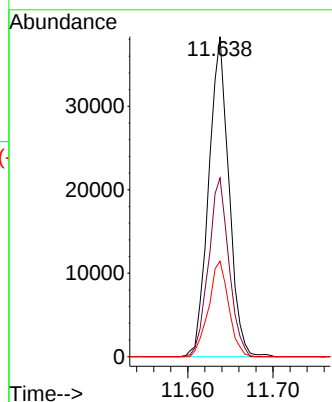
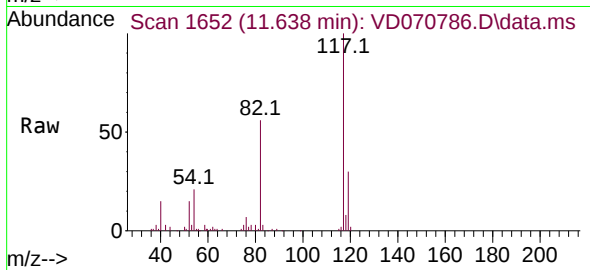




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070786.D
Acq: 20 Oct 2021 20:07

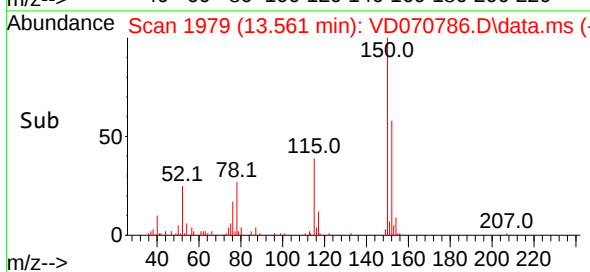
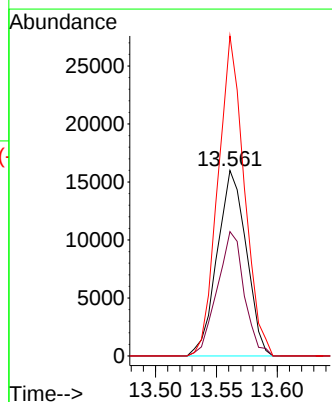
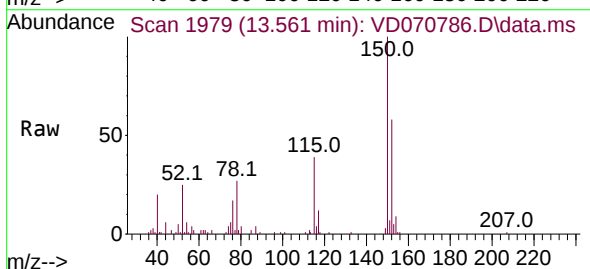
Instrument :
MSVOA_D
ClientSampleId :
MH-FB-(1)

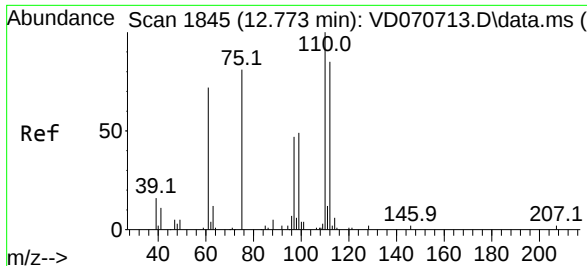
Tgt Ion:117 Resp: 63292
Ion Ratio Lower Upper
117 100
82 55.8 45.4 68.2
119 29.9 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070786.D
Acq: 20 Oct 2021 20:07

Tgt Ion:152 Resp: 26571
Ion Ratio Lower Upper
152 100
115 62.4 31.9 95.7
150 156.2 0.0 350.0

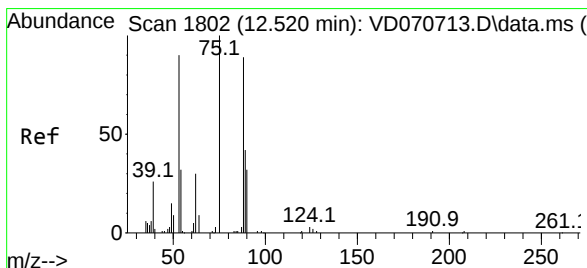
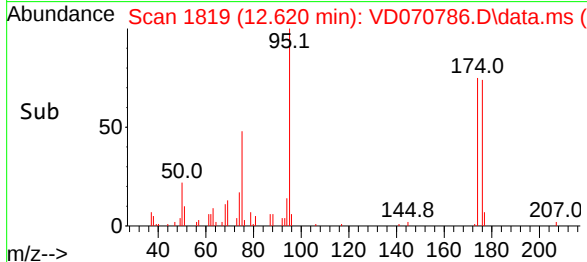
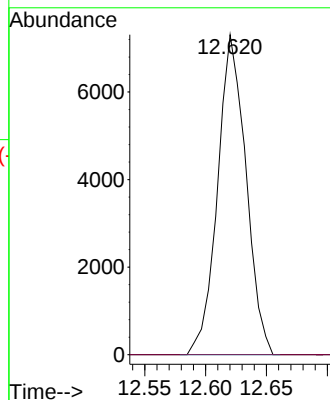
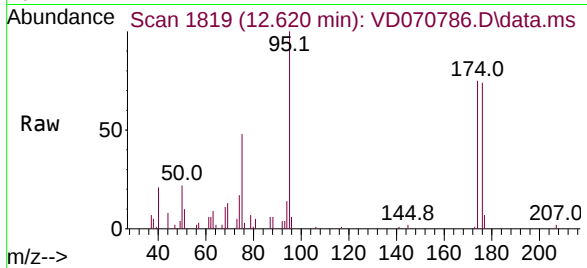




#76
1,2,3-Trichloropropane
Concen: 51.659 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070786.D
Acq: 20 Oct 2021 20:07

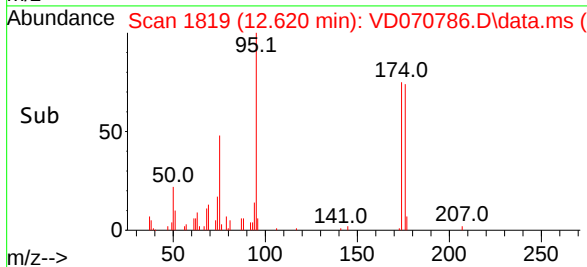
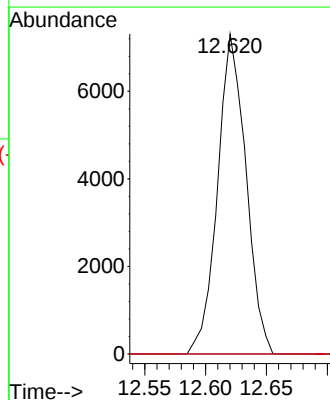
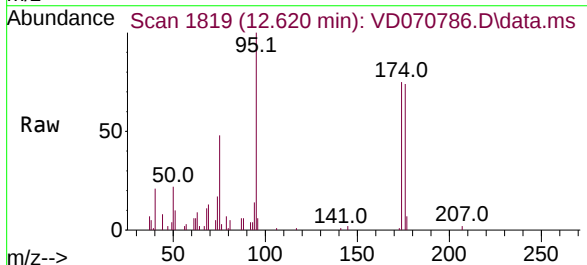
Instrument :
MSVOA_D
ClientSampleId :
MH-FB-(1)

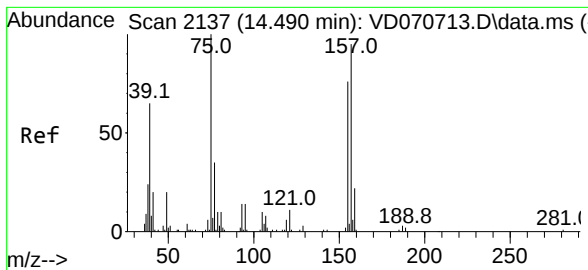
Tgt Ion: 75 Resp: 11859
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 113.149 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070786.D
Acq: 20 Oct 2021 20:07

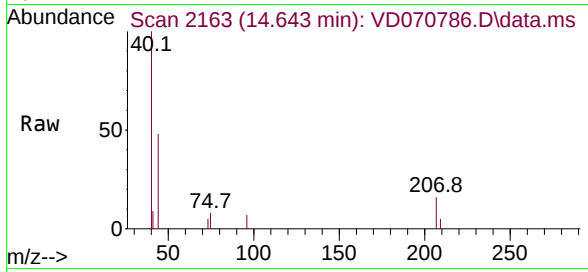
Tgt Ion: 75 Resp: 11859
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 35.3 52.9#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.590 ug/l
 RT: 14.643 min Scan# 2163
 Delta R.T. 0.153 min
 Lab File: VD070786.D
 Acq: 20 Oct 2021 20:07

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



Tgt Ion: 75 Resp: 95
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.1 114.5#
 157 0.0 47.6 142.9#

