

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102021\
 Data File : VD070783.D
 Acq On : 20 Oct 2021 18:42
 Operator : VA/SY
 Sample : M4285-07
 Misc : 4.54G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Oct 21 05:40:58 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)

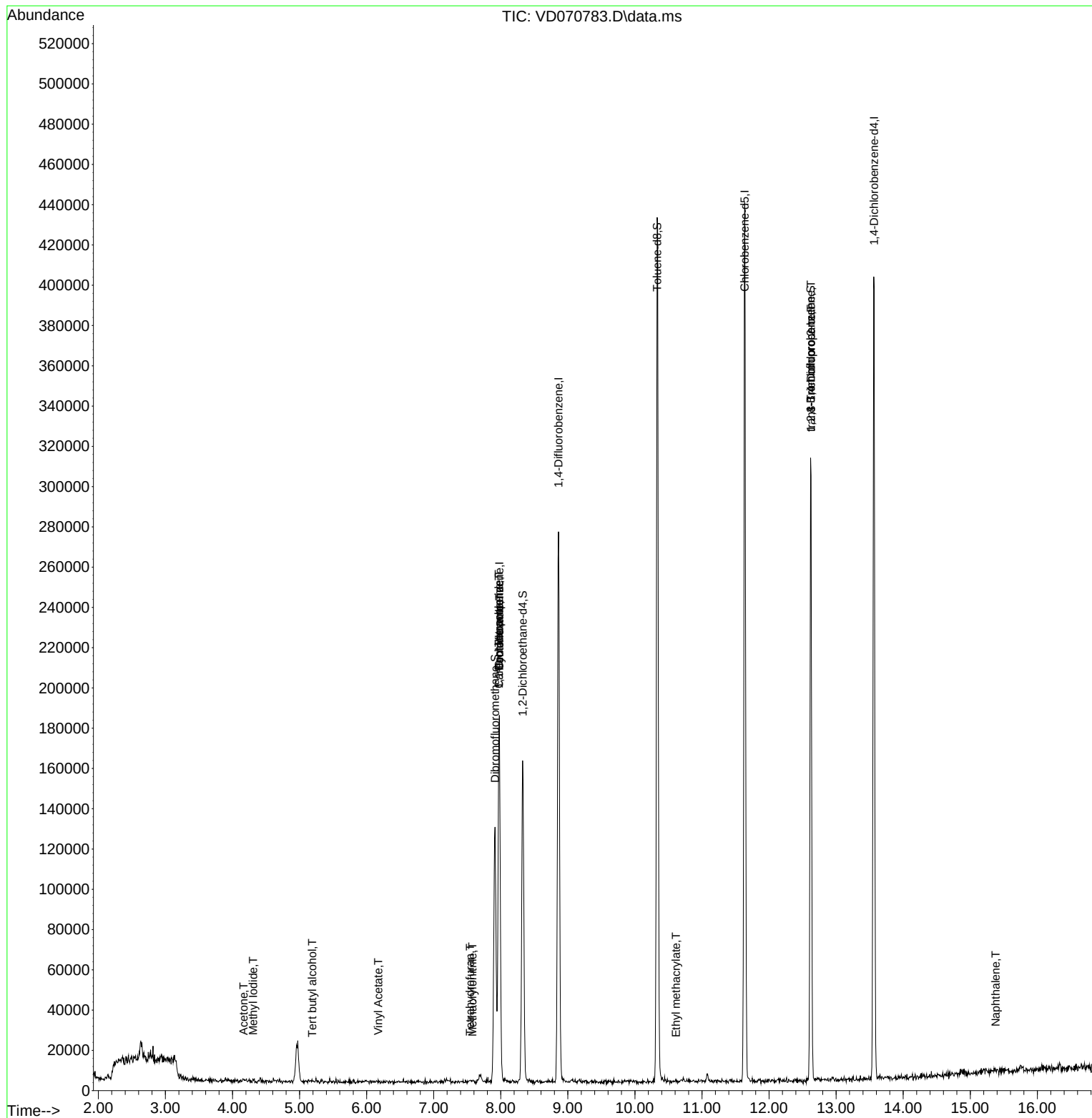
Internal Standards						
1) Pentafluorobenzene	7.979	168	125105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	223869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	242394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	104551	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	125935	84.989	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 169.980%#			
35) Dibromofluoromethane	7.914	113	90067	62.832	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 125.660%			
50) Toluene-d8	10.332	98	295930	53.855	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.720%			
62) 4-Bromofluorobenzene	12.620	95	102534	54.192	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.380%			
Target Compounds						Qvalue
10) Methyl Iodide	4.309	142	70	3.362	ug/l #	38
11) Tert butyl alcohol	5.191	59	96	1.157	ug/l #	83
16) Acetone	4.167	43	1931	5.403	ug/l #	86
20) Methylene Chloride	4.950	84	8891	Below Cal		90
23) Vinyl Acetate	6.173	43	117	16.370	ug/l #	69
29) Tetrahydrofuran	7.544	42	289	1.069	ug/l #	81
31) Cyclohexane	7.979	56	3510	1.171	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	12199	4.891	ug/l #	53
38) Carbon Tetrachloride	7.973	117	14300	5.987	ug/l #	18
41) Methacrylonitrile	7.579	41	186	2.218	ug/l #	36
56) Ethyl methacrylate	10.614	69	77	4.197	ug/l #	70
76) 1,2,3-Trichloropropane	12.626	75	53684	59.432	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	53684	130.175	ug/l #	17
95) Naphthalene	15.379	128	269	4.864	ug/l #	69

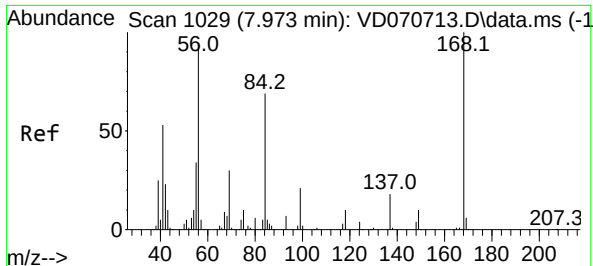
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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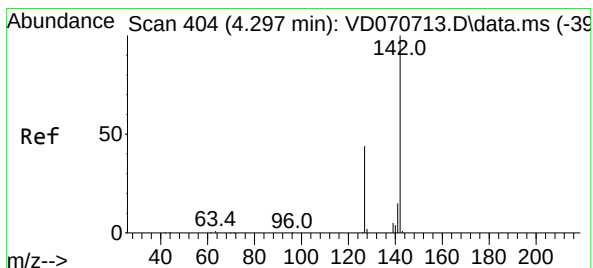
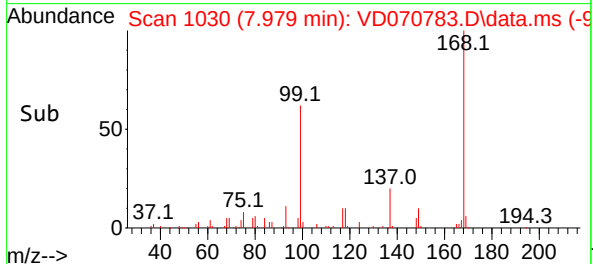
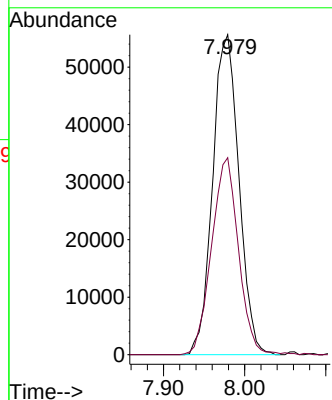
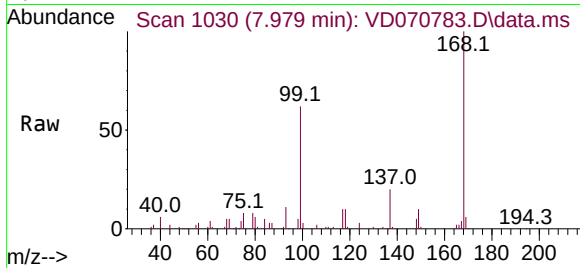




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070783.D
Acq: 20 Oct 2021 18:42

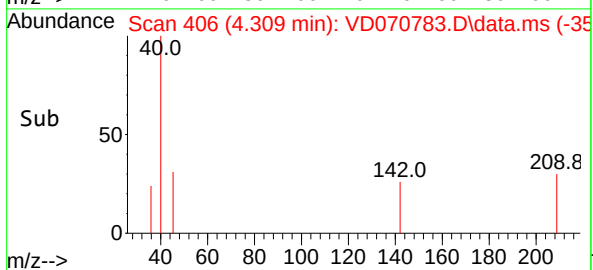
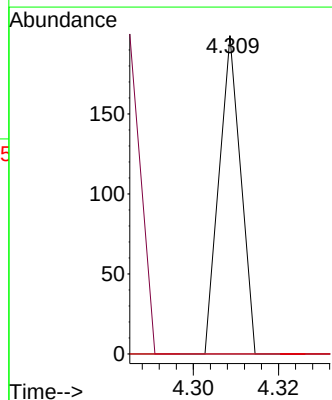
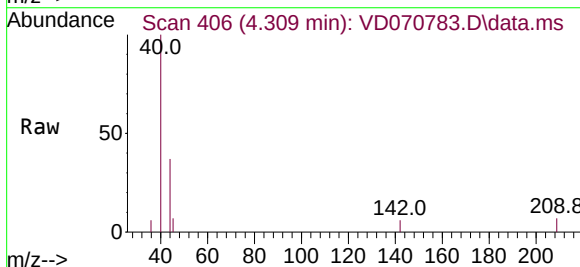
Instrument :
MSVOA_D
ClientSampleId :
MH-FA-(1)

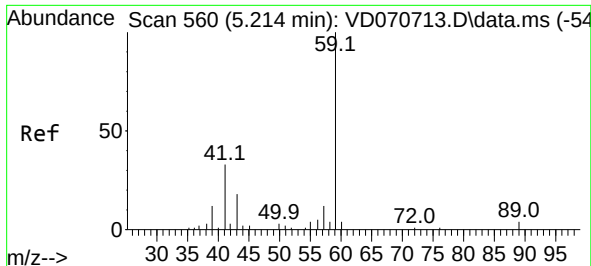
Tgt Ion:168 Resp: 125105
Ion Ratio Lower Upper
168 100
99 61.6 51.4 77.0



#10
Methyl Iodide
Concen: 3.362 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD070783.D
Acq: 20 Oct 2021 18:42

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#



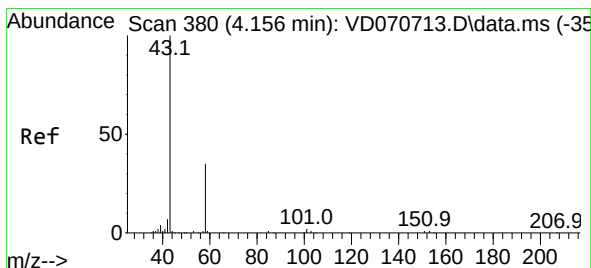
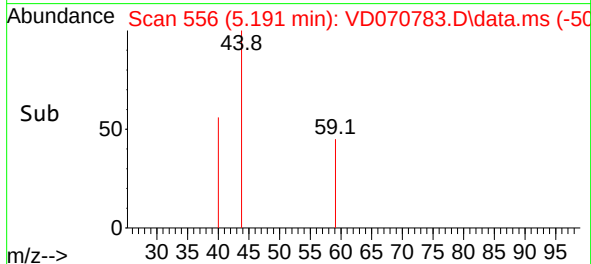
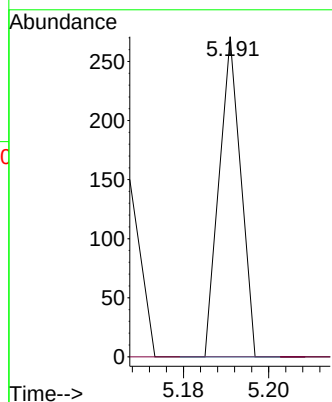
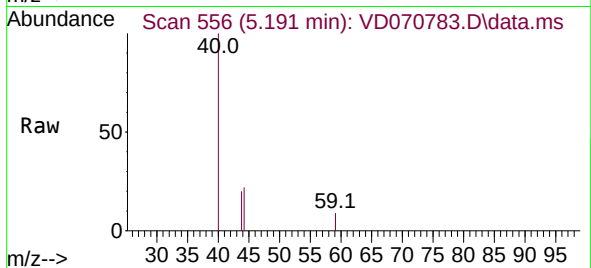


#11

Tert butyl alcohol
Concen: 1.157 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.023 min
Lab File: VD070783.D
Acq: 20 Oct 2021 18:42

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

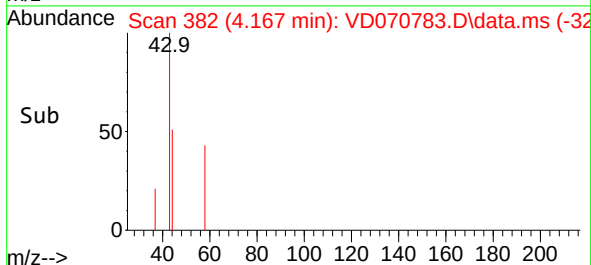
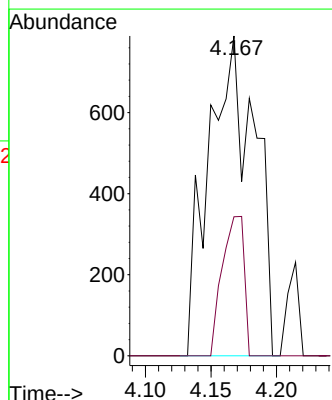
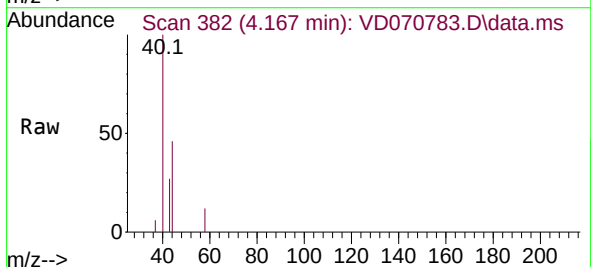
Tgt Ion: 59 Resp: 96
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

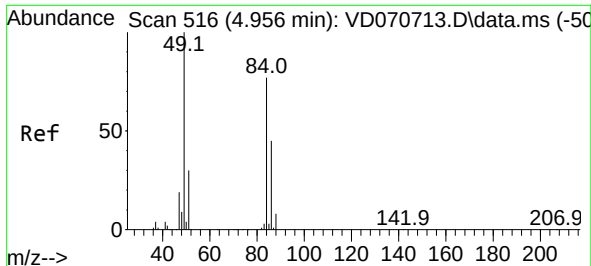


#16

Acetone
Concen: 5.403 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070783.D
Acq: 20 Oct 2021 18:42

Tgt Ion: 43 Resp: 1931
Ion Ratio Lower Upper
43 100
58 43.5 28.2 42.2#

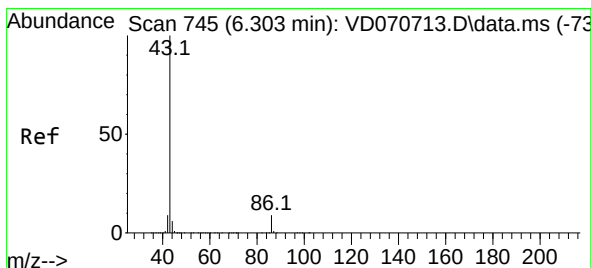
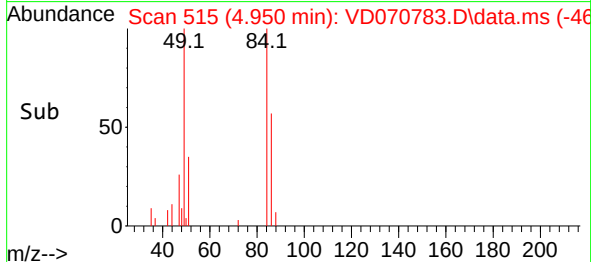
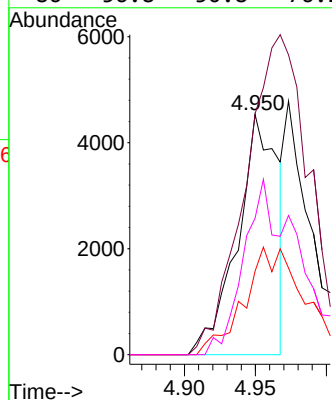
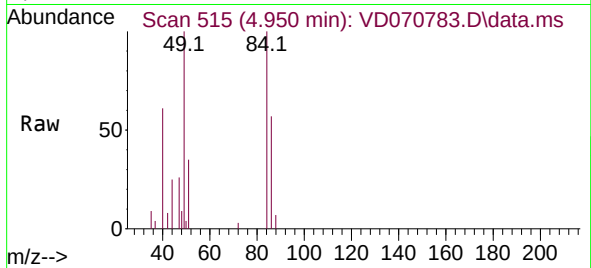




#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.006 min
Lab File: VD070783.D
Acq: 20 Oct 2021 18:42

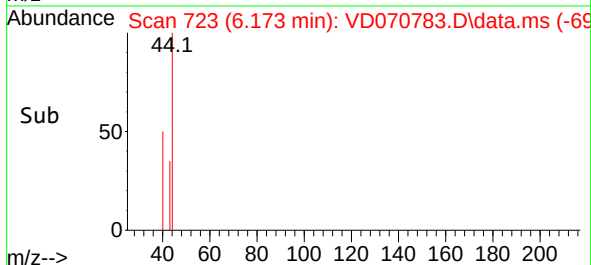
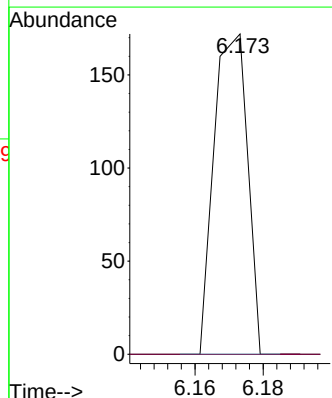
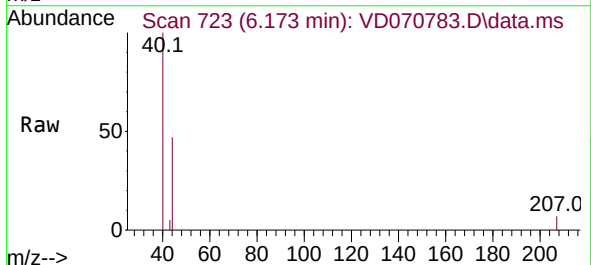
Instrument :
MSVOA_D
ClientSampleId :
MH-FA-(1)

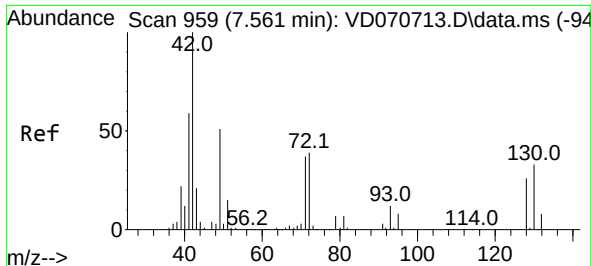
Tgt Ion:	84	Resp:	8891
Ion	Ratio	Lower	Upper
84	100		
49	100.4	91.4	137.2
51	34.8	26.7	40.1
86	56.8	50.8	76.2



#23
Vinyl Acetate
Concen: 16.370 ug/l
RT: 6.173 min Scan# 723
Delta R.T. -0.130 min
Lab File: VD070783.D
Acq: 20 Oct 2021 18:42

Tgt Ion:	43	Resp:	117
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.8	14.6#





#29

Tetrahydrofuran

Concen: 1.069 ug/l

RT: 7.544 min Scan# 956

Delta R.T. -0.018 min

Lab File: VD070783.D

Acq: 20 Oct 2021 18:42

Instrument :

MSVOA_D

ClientSampleId :

MH-FA-(1)

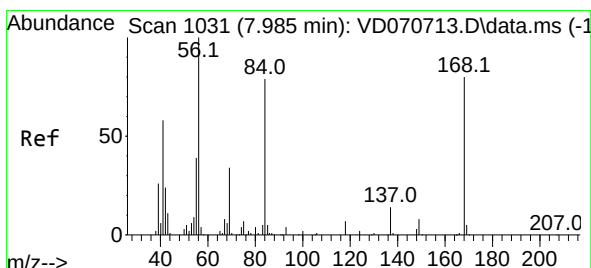
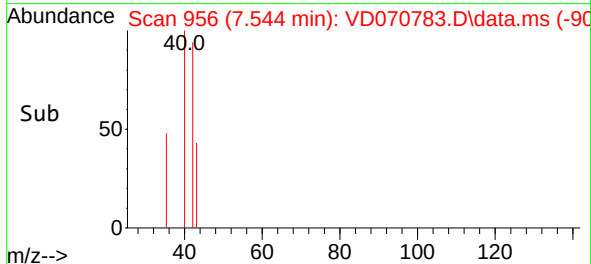
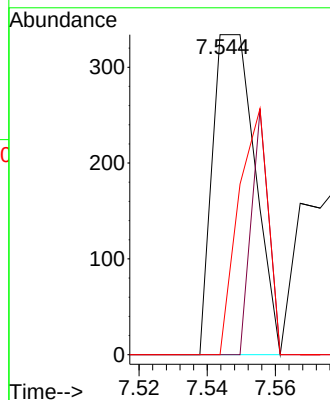
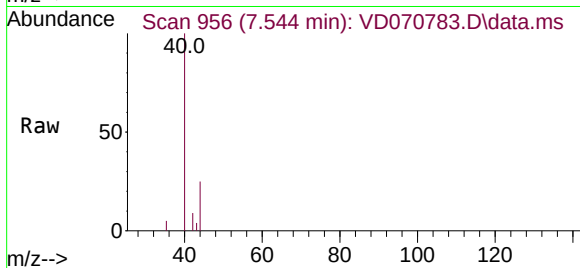
Tgt Ion: 42 Resp: 289

Ion Ratio Lower Upper

42 100

72 31.1 40.2 60.4#

71 53.3 37.2 55.8



#31

Cyclohexane

Concen: 1.171 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD070783.D

Acq: 20 Oct 2021 18:42

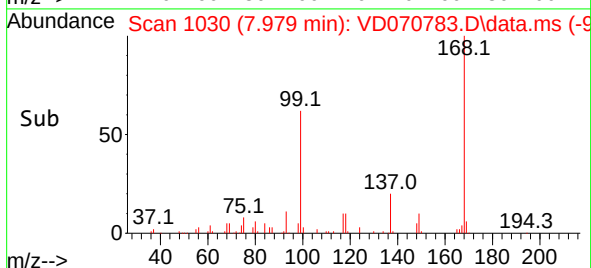
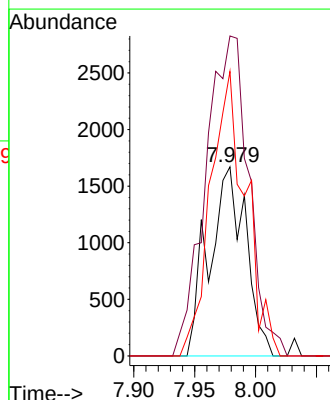
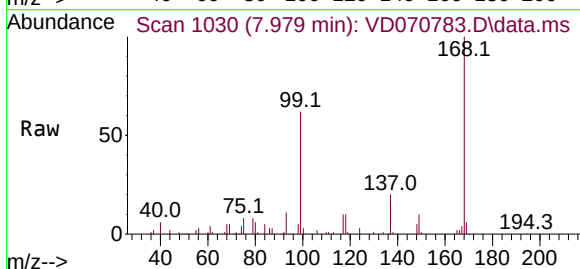
Tgt Ion: 56 Resp: 3510

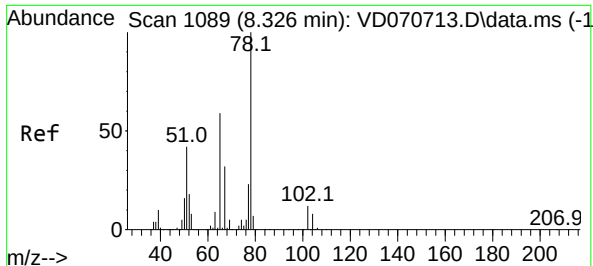
Ion Ratio Lower Upper

56 100

69 159.8 27.4 41.2#

84 150.4 73.6 110.4#

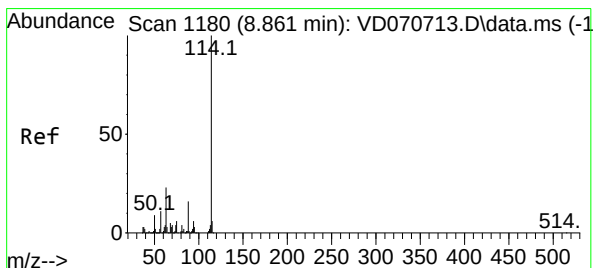
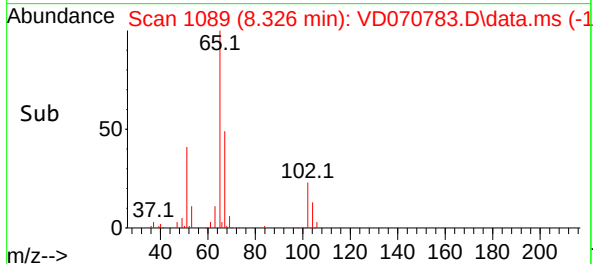
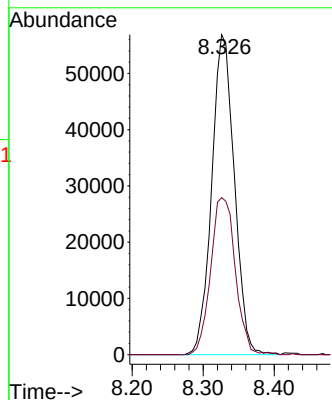
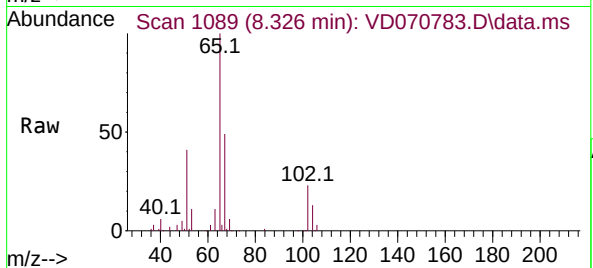




#33
1,2-Dichloroethane-d4
Concen: 84.989 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070783.D
Acq: 20 Oct 2021 18:42

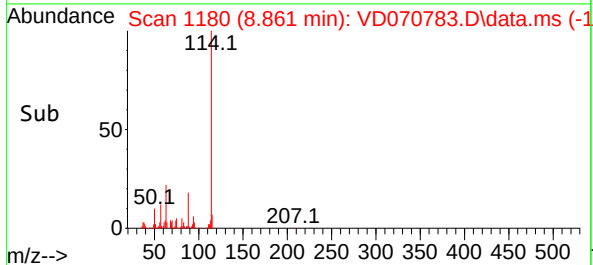
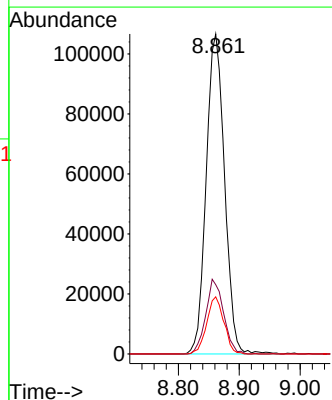
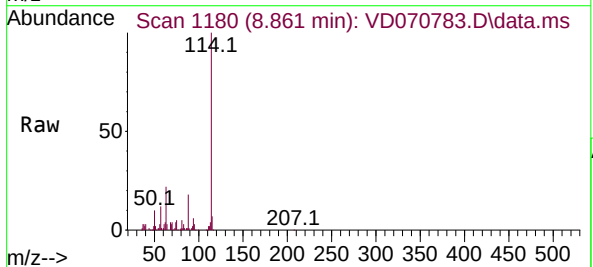
Instrument :
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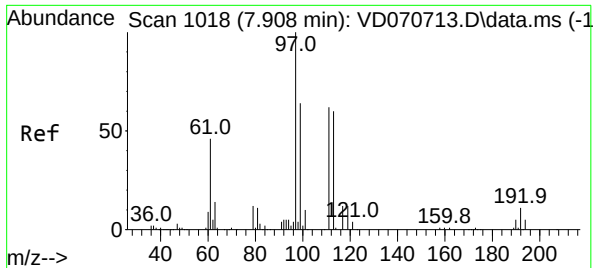
Tgt Ion: 65 Resp: 125935
Ion Ratio Lower Upper
65 100
67 53.5 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070783.D
Acq: 20 Oct 2021 18:42

Tgt Ion: 114 Resp: 223869
Ion Ratio Lower Upper
114 100
63 21.6 0.0 41.8
88 17.9 0.0 32.6



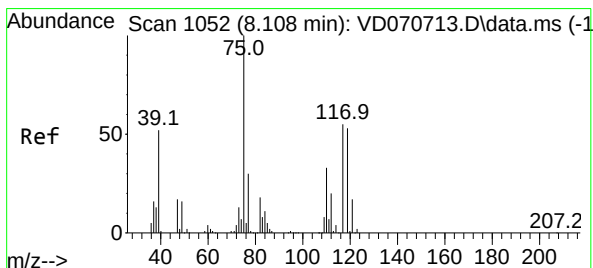
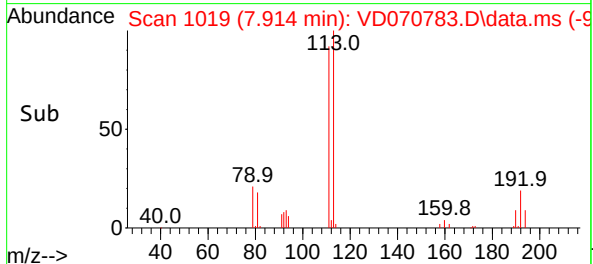
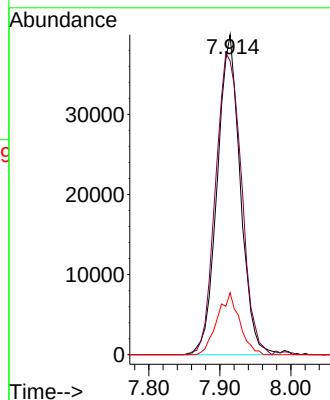
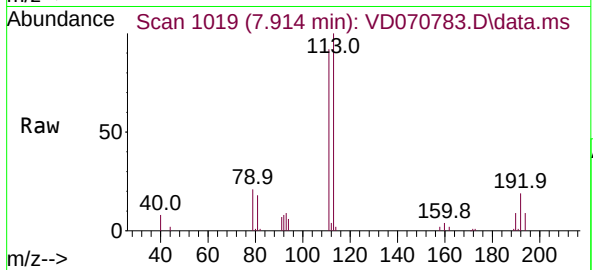


#35

Dibromofluoromethane
Concen: 62.832 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VD070783.D
Acq: 20 Oct 2021 18:42

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

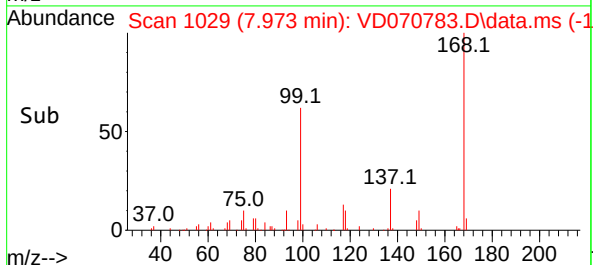
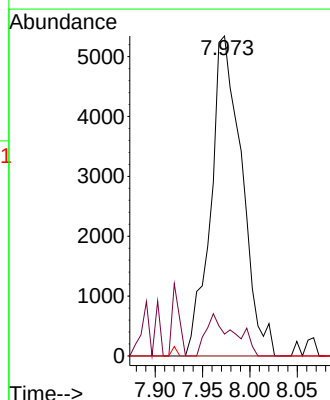
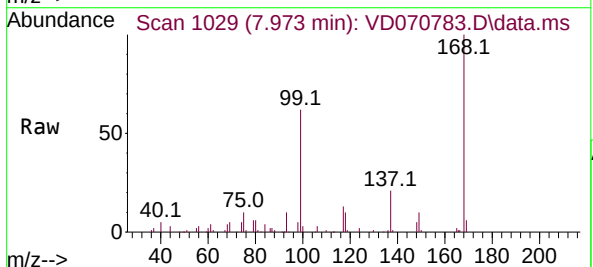
Tgt Ion:113 Resp: 90067
Ion Ratio Lower Upper
113 100
111 105.6 83.1 124.7
192 18.8 12.7 19.1

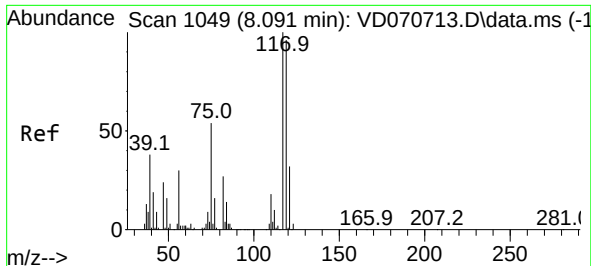


#36

1,1-Dichloropropene
Concen: 4.891 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070783.D
Acq: 20 Oct 2021 18:42

Tgt Ion: 75 Resp: 12199
Ion Ratio Lower Upper
75 100
110 11.8 17.2 51.6#
77 0.0 24.2 36.4#



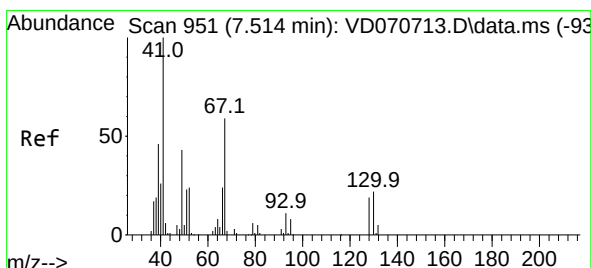
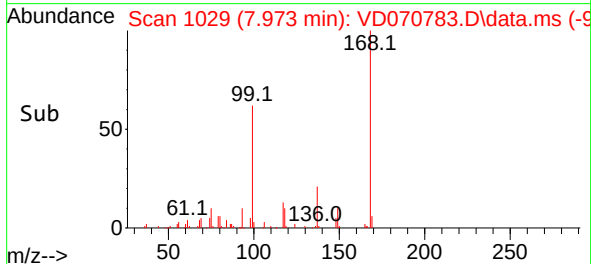
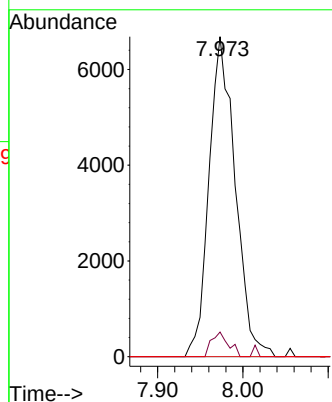
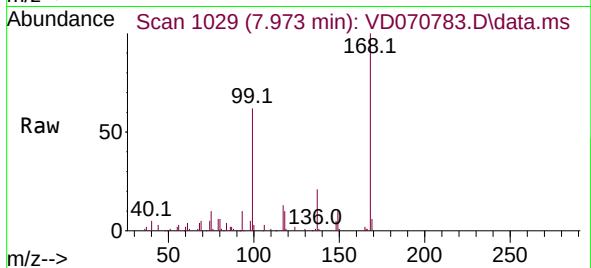


#38

Carbon Tetrachloride
Concen: 5.987 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070783.D
Acq: 20 Oct 2021 18:42

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

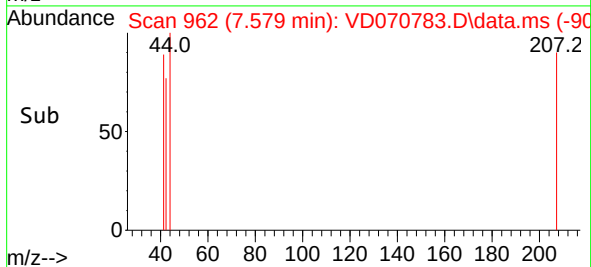
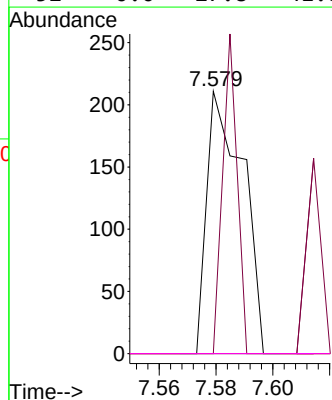
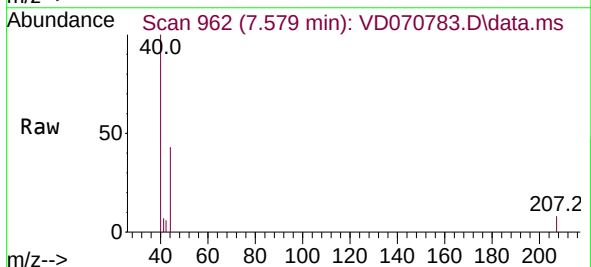
Tgt Ion:117 Resp: 14300
Ion Ratio Lower Upper
117 100
119 7.7 77.4 116.0#
121 0.0 25.4 38.0#

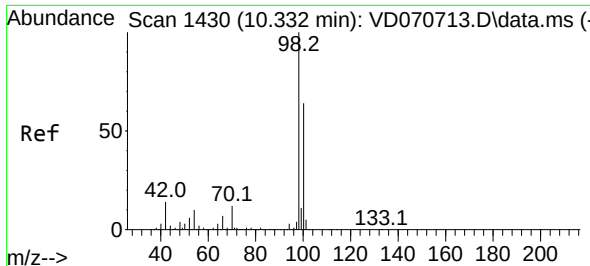


#41

Methacrylonitrile
Concen: 2.218 ug/l
RT: 7.579 min Scan# 962
Delta R.T. 0.065 min
Lab File: VD070783.D
Acq: 20 Oct 2021 18:42

Tgt Ion: 41 Resp: 186
Ion Ratio Lower Upper
41 100
39 48.9 45.2 67.8
67 0.0 75.8 113.6#
52 0.0 27.8 41.8#

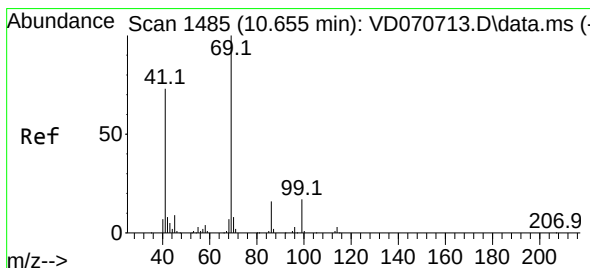
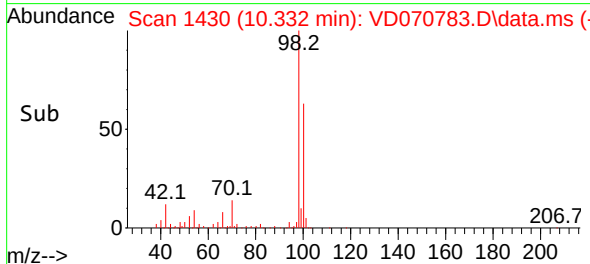
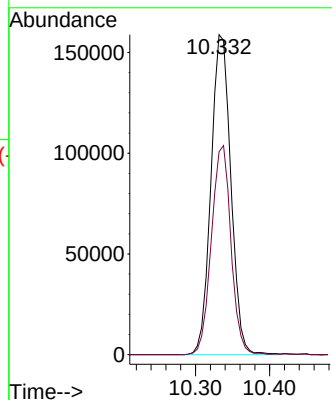
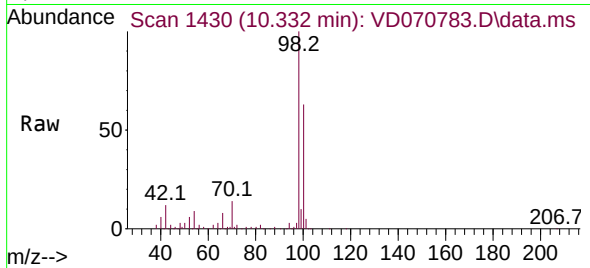




#50
Toluene-d8
Concen: 53.855 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070783.D
Acq: 20 Oct 2021 18:42

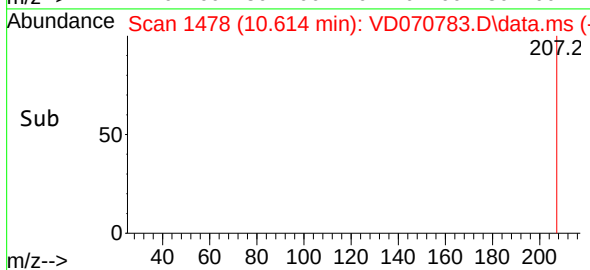
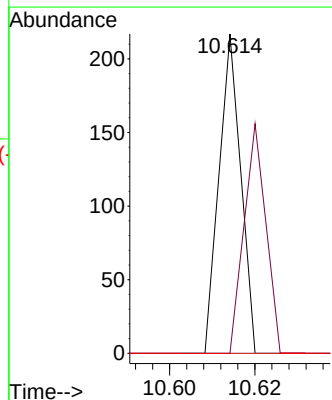
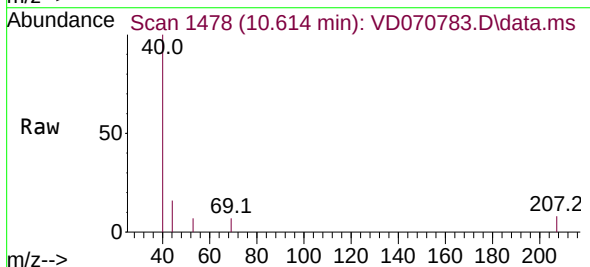
Instrument :
MSVOA_D
ClientSampleId :
MH-FA-(1)

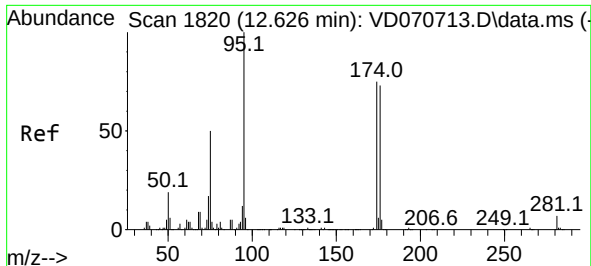
Tgt Ion: 98 Resp: 295930
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4



#56
Ethyl methacrylate
Concen: 4.197 ug/l
RT: 10.614 min Scan# 1478
Delta R.T. -0.041 min
Lab File: VD070783.D
Acq: 20 Oct 2021 18:42

Tgt Ion: 69 Resp: 77
Ion Ratio Lower Upper
69 100
41 71.4 44.7 67.1#
39 0.0 19.5 29.3#

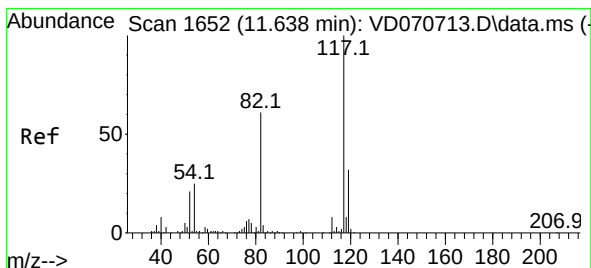
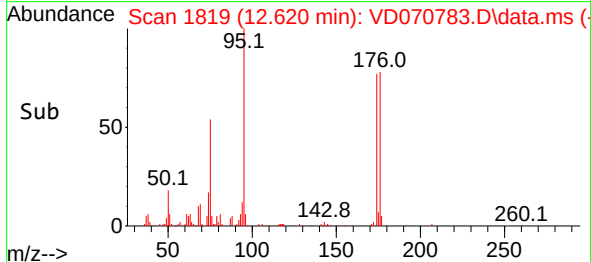
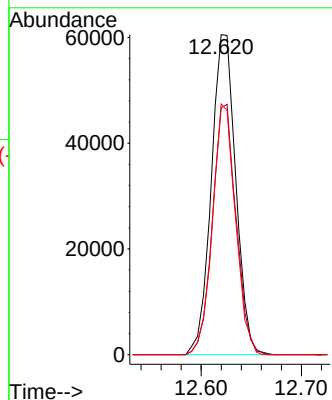
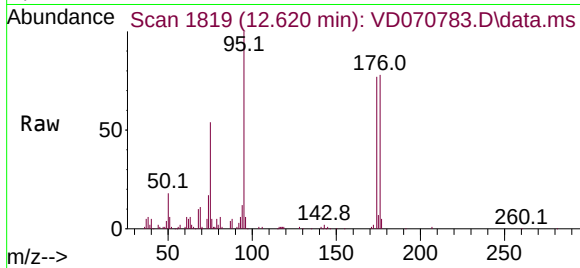




#62
4-Bromofluorobenzene
Concen: 54.192 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070783.D
Acq: 20 Oct 2021 18:42

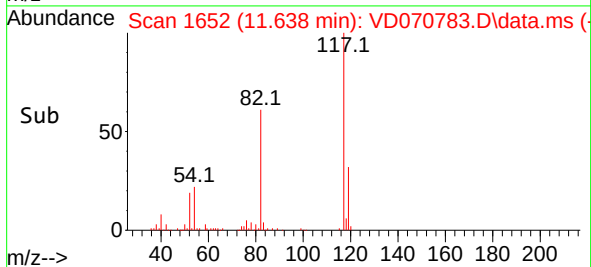
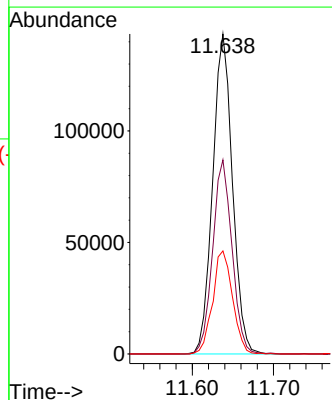
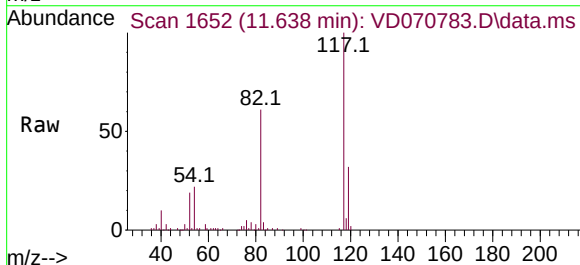
Instrument :
MSVOA_D
ClientSampleId :
MH-FA-(1)

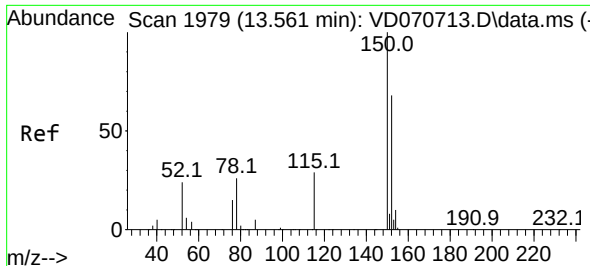
Tgt Ion: 95 Resp: 102534
Ion Ratio Lower Upper
95 100
174 75.6 0.0 138.0
176 73.6 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070783.D
Acq: 20 Oct 2021 18:42

Tgt Ion: 117 Resp: 242394
Ion Ratio Lower Upper
117 100
82 60.7 45.4 68.2
119 32.2 24.7 37.1

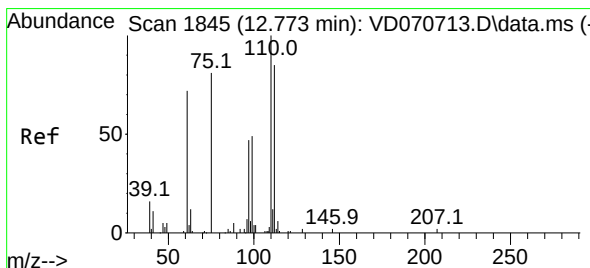
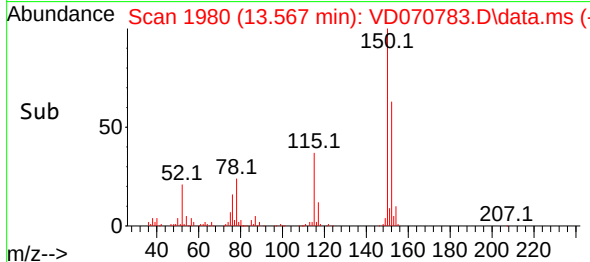
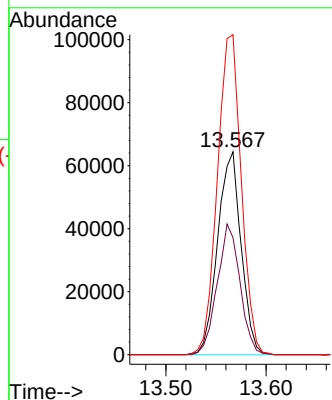
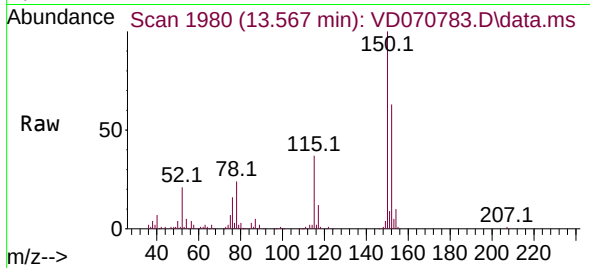




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD070783.D
Acq: 20 Oct 2021 18:42

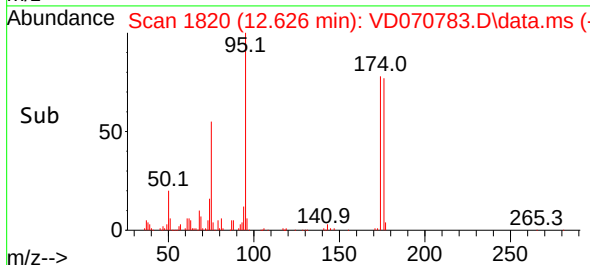
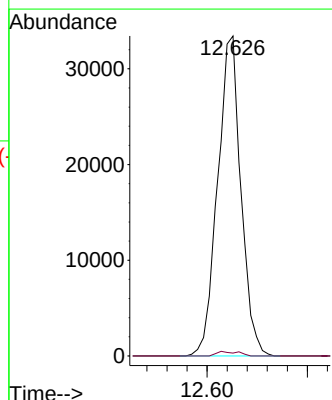
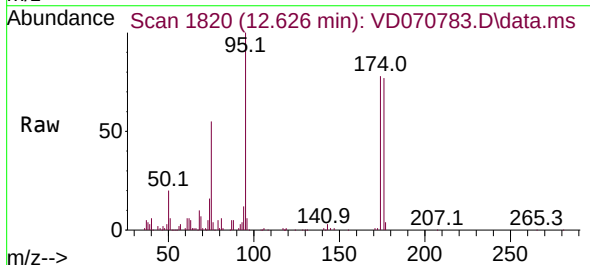
Instrument :
MSVOA_D
ClientSampleId :
MH-FA-(1)

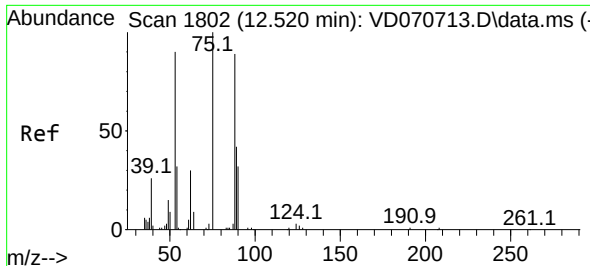
Tgt Ion:152 Resp: 104551
Ion Ratio Lower Upper
152 100
115 62.5 31.9 95.7
150 161.0 0.0 350.0



#76
1,2,3-Trichloropropane
Concen: 59.432 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070783.D
Acq: 20 Oct 2021 18:42

Tgt Ion: 75 Resp: 53684
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

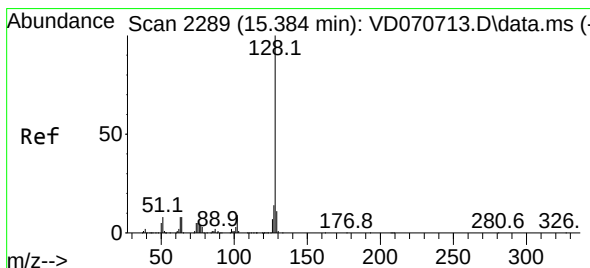
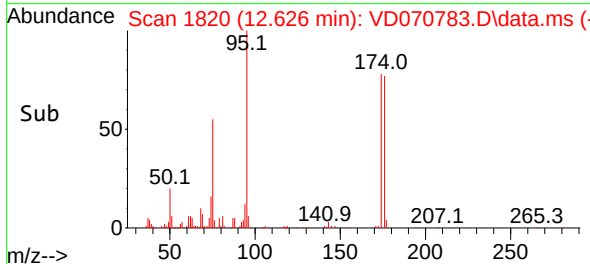
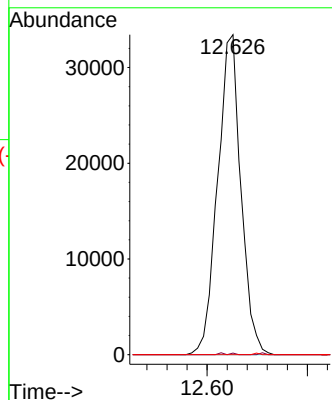
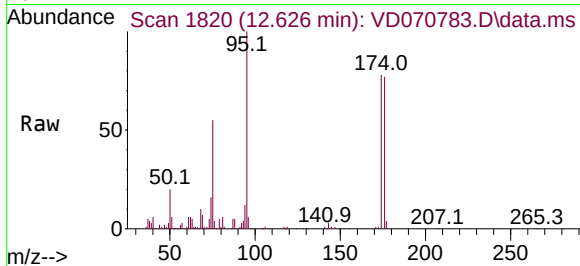




#81
trans-1,4-Dichloro-2-butene
Concen: 130.175 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070783.D
Acq: 20 Oct 2021 18:42

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

Tgt Ion: 75 Resp: 53684
Ion Ratio Lower Upper
75 100
53 0.2 64.5 96.7#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 4.864 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.005 min
Lab File: VD070783.D
Acq: 20 Oct 2021 18:42

Tgt Ion:128 Resp: 269
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

