

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101921\
 Data File : VD070754.D
 Acq On : 19 Oct 2021 13:08
 Operator : VA/SY
 Sample : M4259-07RE
 Misc : 3.90G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1-BD

Quant Time: Oct 20 04:40:16 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)

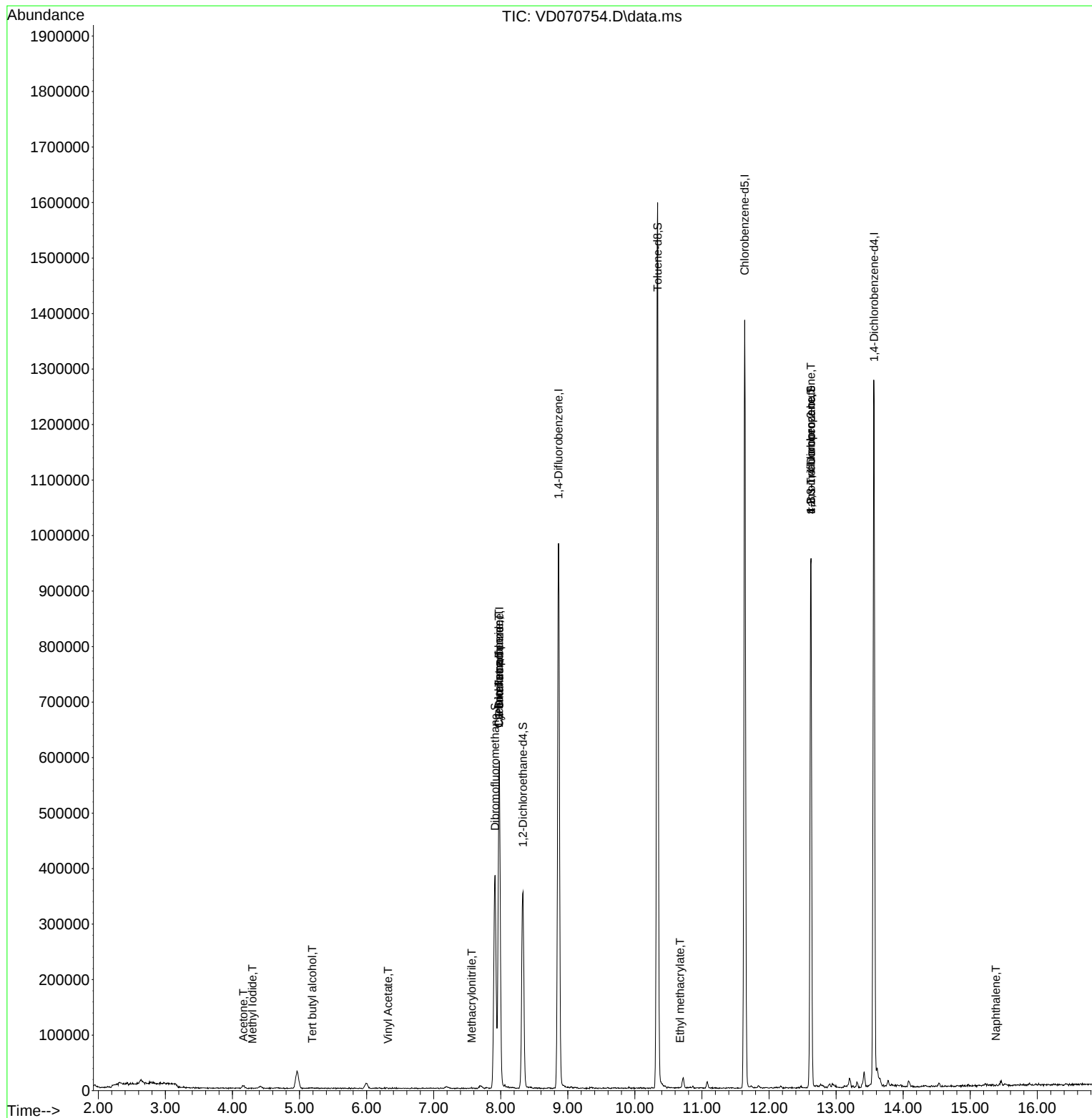
Internal Standards						
1) Pentafluorobenzene	7.979	168	403832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	783089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	767005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	331451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	292254	61.101	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.200%			
35) Dibromofluoromethane	7.914	113	274687	54.782	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.560%			
50) Toluene-d8	10.338	98	1049464	54.600	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.200%			
62) 4-Bromofluorobenzene	12.626	95	323267	48.844	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.680%			
Target Compounds						Qvalue
10) Methyl Iodide	4.297	142	769	3.462	ug/l #	43
11) Tert butyl alcohol	5.191	59	564	2.106	ug/l #	83
16) Acetone	4.162	43	7481	6.485	ug/l	91
20) Methylene Chloride	4.973	84	23559	Below Cal		90
23) Vinyl Acetate	6.320	43	103	16.340	ug/l #	69
31) Cyclohexane	7.973	56	11455	1.184	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	38131	4.371	ug/l #	50
38) Carbon Tetrachloride	7.973	117	43121	5.161	ug/l #	16
41) Methacrylonitrile	7.567	41	437	2.128	ug/l #	38
56) Ethyl methacrylate	10.673	69	198	4.186	ug/l #	41
76) 1,2,3-Trichloropropane	12.626	75	163487	57.091	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	163487	125.048	ug/l #	17
95) Naphthalene	15.385	128	505	4.835	ug/l #	69

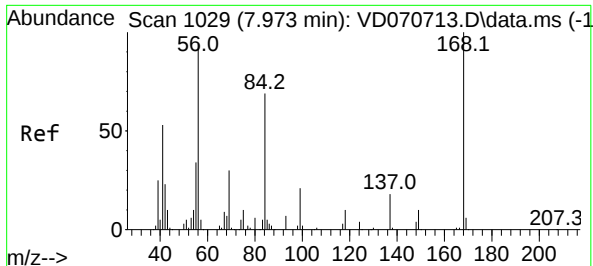
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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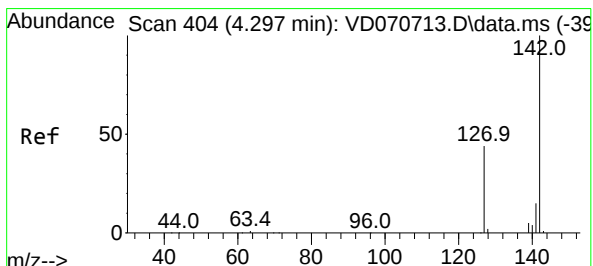
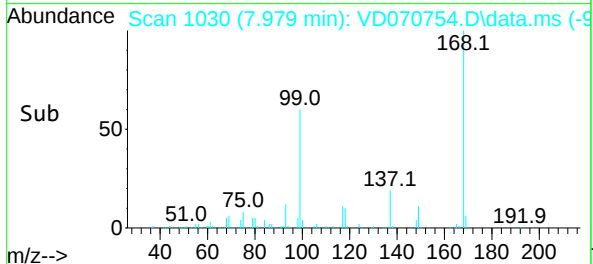
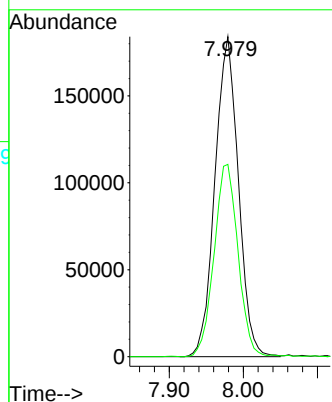
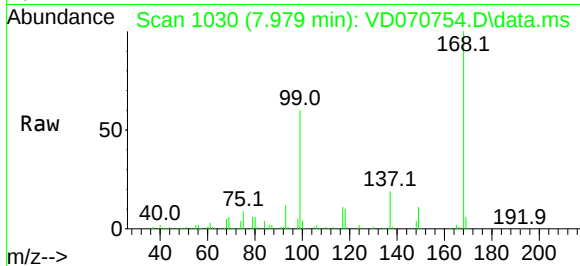




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070754.D
Acq: 19 Oct 2021 13:08

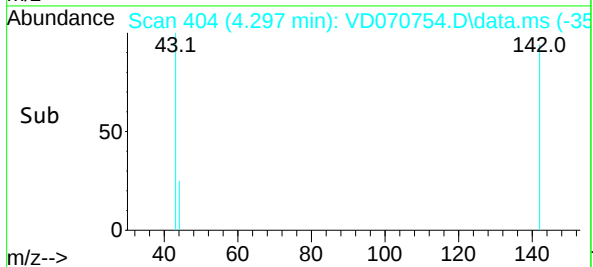
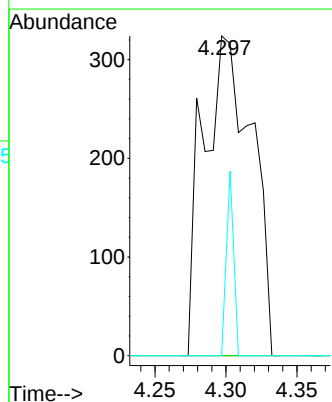
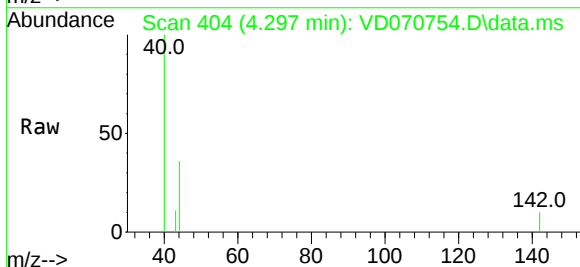
Instrument :
MSVOA_D
ClientSampleId :
WC-1-BD

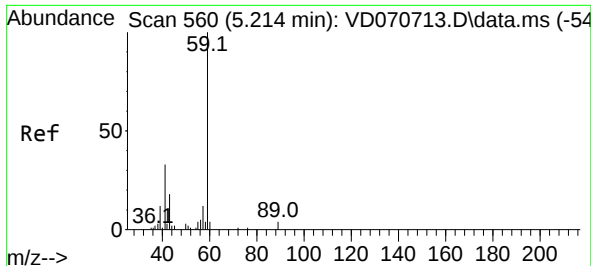
Tgt Ion:168 Resp: 403832
Ion Ratio Lower Upper
168 100
99 60.1 51.4 77.0



#10
Methyl Iodide
Concen: 3.462 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070754.D
Acq: 19 Oct 2021 13:08

Tgt Ion:142 Resp: 769
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 8.6 12.1 18.1#

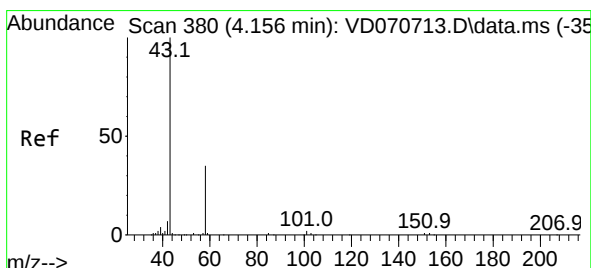
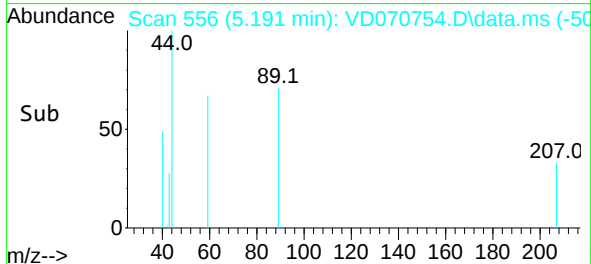
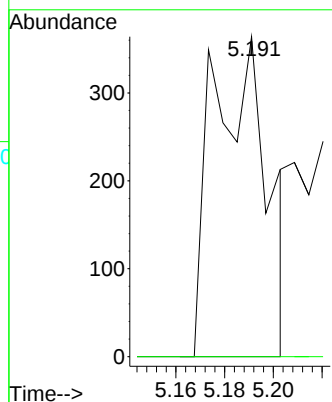
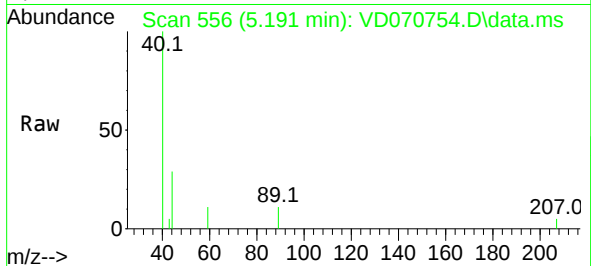




#11
Tert butyl alcohol
Concen: 2.106 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.023 min
Lab File: VD070754.D
Acq: 19 Oct 2021 13:08

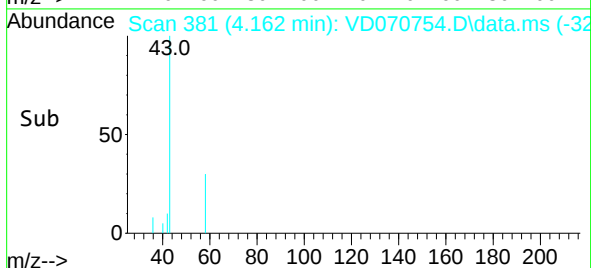
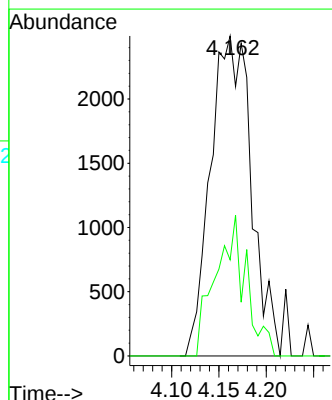
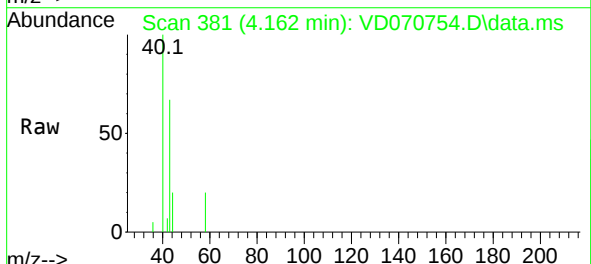
Instrument :
MSVOA_D
ClientSampleId :
WC-1-BD

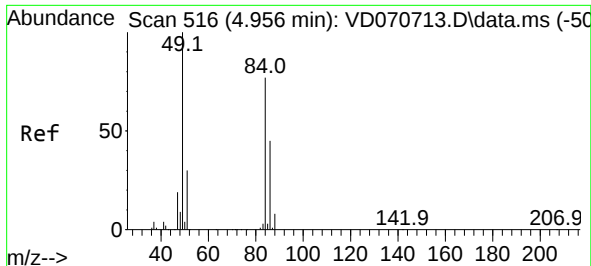
Tgt Ion: 59 Resp: 564
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#



#16
Acetone
Concen: 6.485 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070754.D
Acq: 19 Oct 2021 13:08

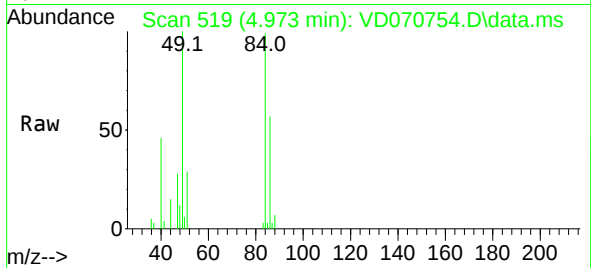
Tgt Ion: 43 Resp: 7481
Ion Ratio Lower Upper
43 100
58 30.1 28.2 42.2



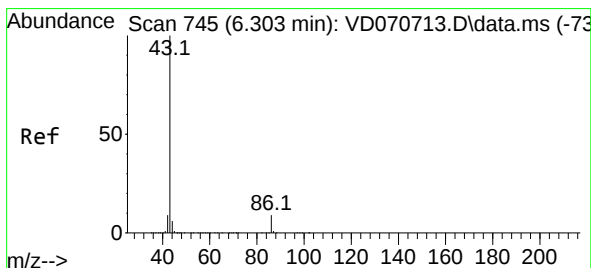
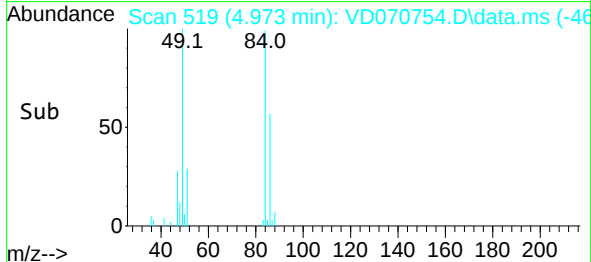
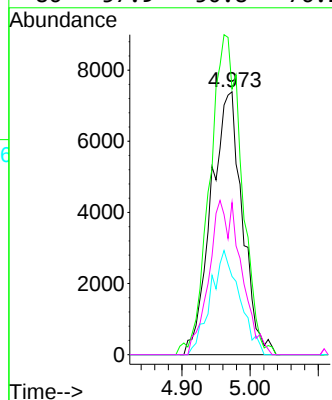


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.017 min
Lab File: VD070754.D
Acq: 19 Oct 2021 13:08

Instrument :
MSVOA_D
ClientSampleId :
WC-1-BD

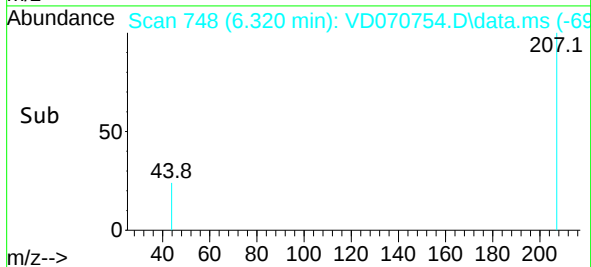
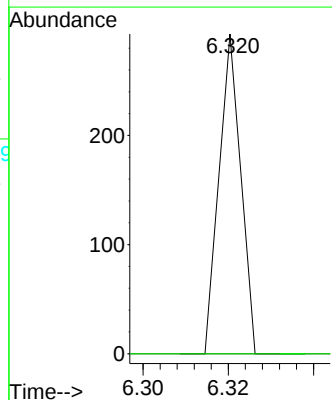
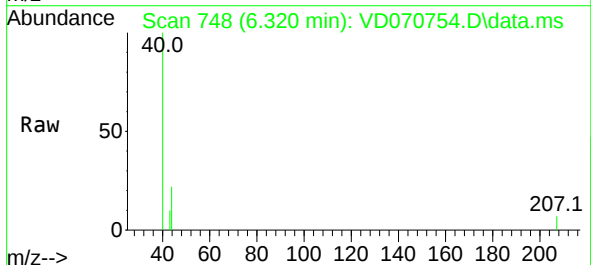


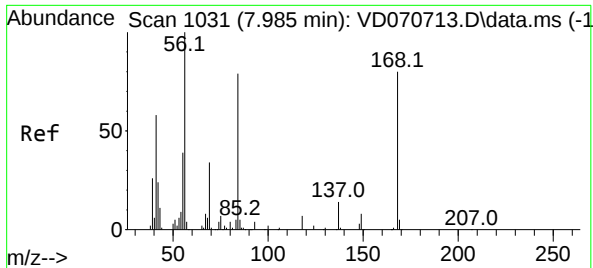
Tgt Ion:	84	Resp:	23559
Ion	Ratio	Lower	Upper
84	100		
49	101.0	91.4	137.2
51	29.8	26.7	40.1
86	57.9	50.8	76.2



#23
Vinyl Acetate
Concen: 16.340 ug/l
RT: 6.320 min Scan# 748
Delta R.T. 0.017 min
Lab File: VD070754.D
Acq: 19 Oct 2021 13:08

Tgt Ion:	43	Resp:	103
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.8	14.6#

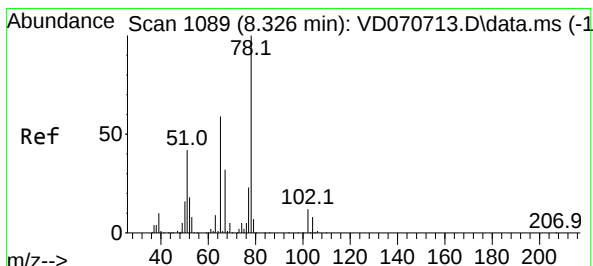
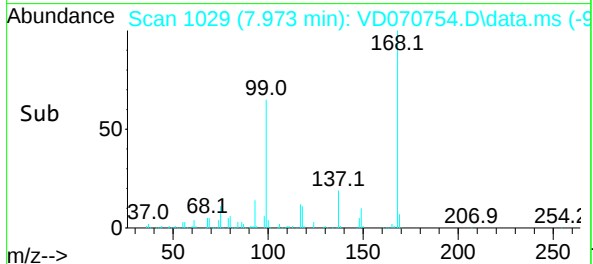
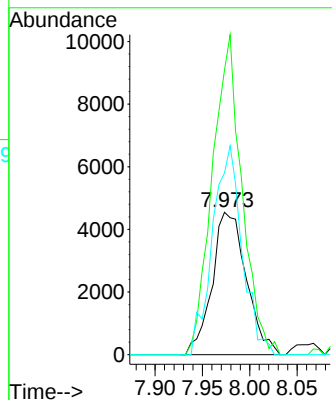
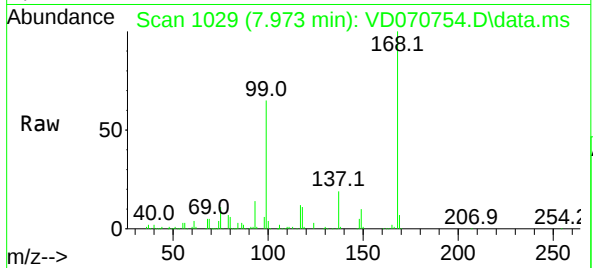




#31
Cyclohexane
Concen: 1.184 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070754.D
Acq: 19 Oct 2021 13:08

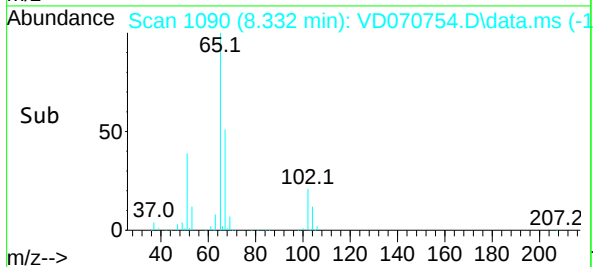
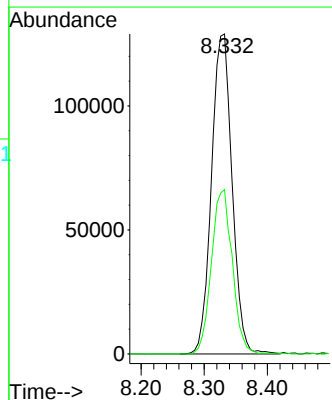
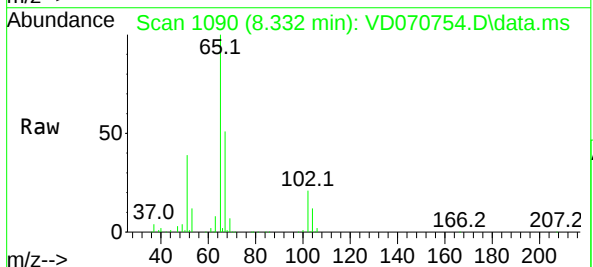
Instrument :
MSVOA_D
ClientSampleId :
WC-1-BD

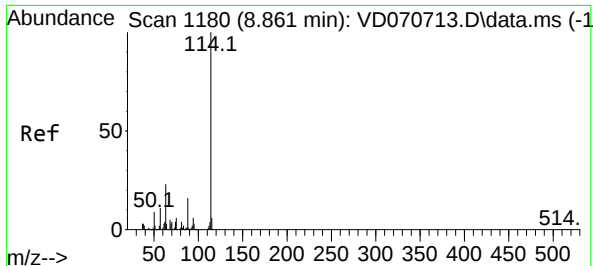
Tgt Ion: 56 Resp: 11455
Ion Ratio Lower Upper
56 100
69 200.0 27.4 41.2#
84 127.7 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 61.101 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070754.D
Acq: 19 Oct 2021 13:08

Tgt Ion: 65 Resp: 292254
Ion Ratio Lower Upper
65 100
67 52.0 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: VD070754.D

Acq: 19 Oct 2021 13:08

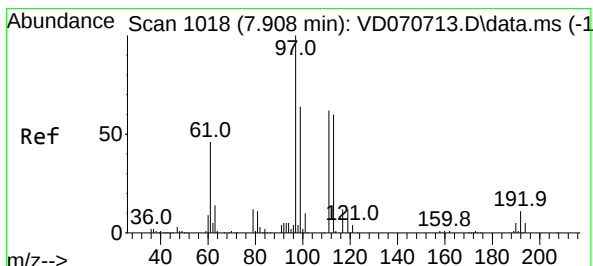
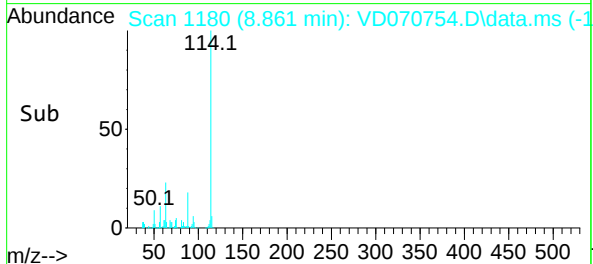
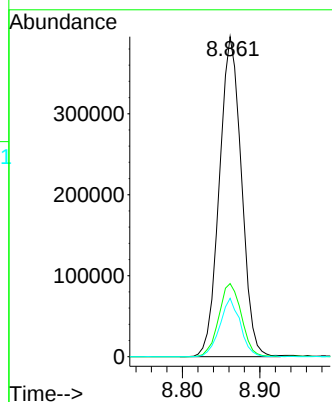
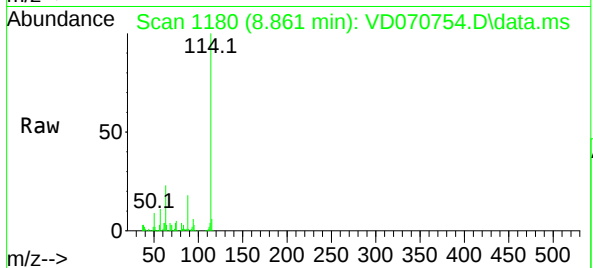
Tgt Ion:114 Resp: 783089

Ion Ratio Lower Upper

114 100

63 22.9 0.0 41.8

88 18.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.782 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD070754.D

Acq: 19 Oct 2021 13:08

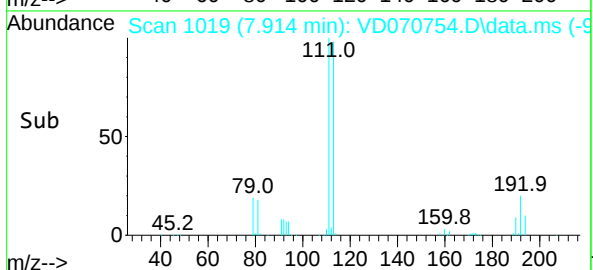
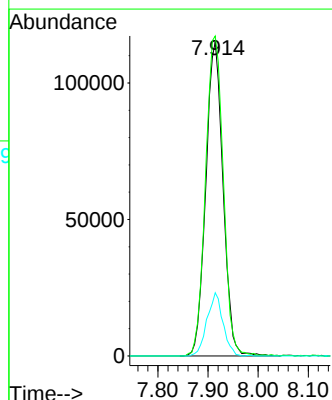
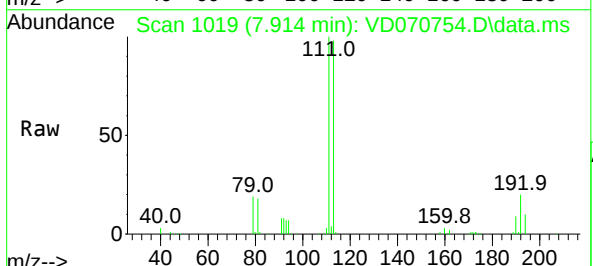
Tgt Ion:113 Resp: 274687

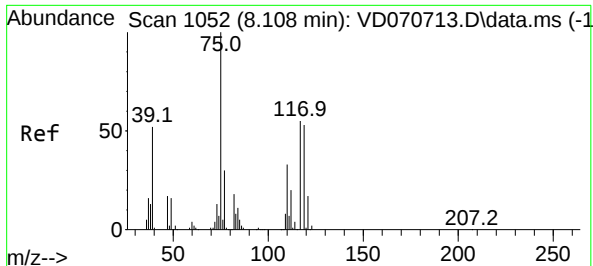
Ion Ratio Lower Upper

113 100

111 105.2 83.1 124.7

192 18.7 12.7 19.1

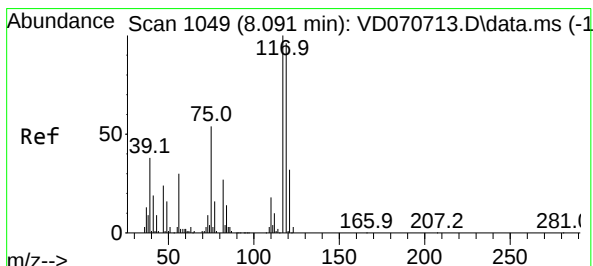
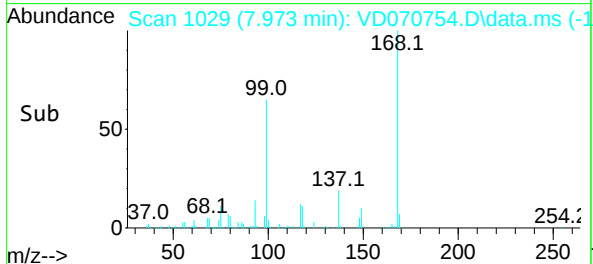
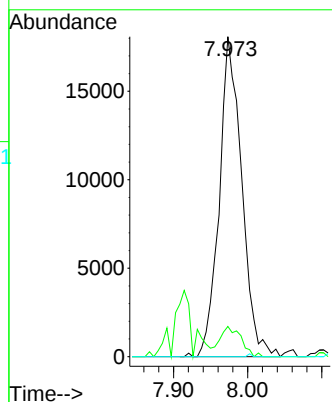
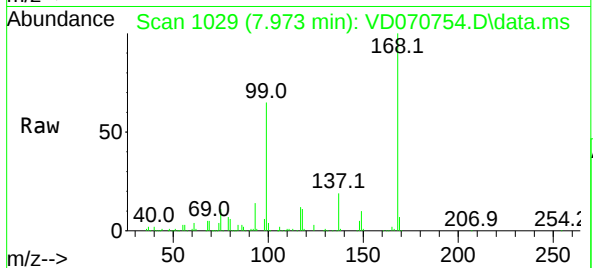




#36
1,1-Dichloropropene
Concen: 4.371 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070754.D
Acq: 19 Oct 2021 13:08

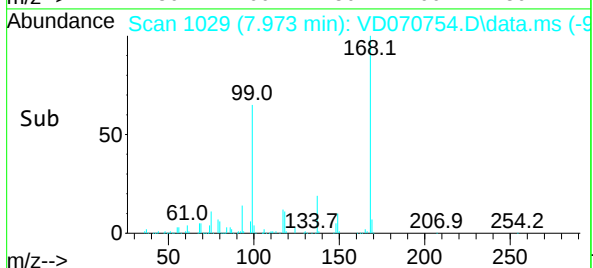
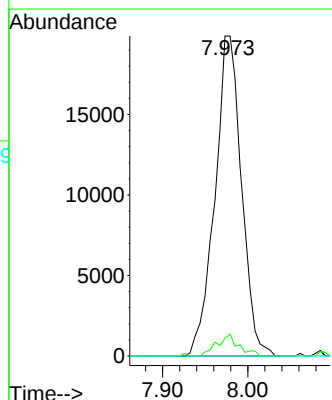
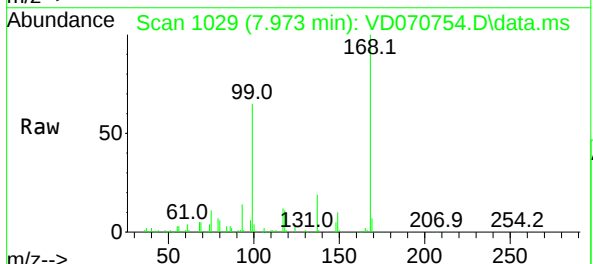
Instrument :
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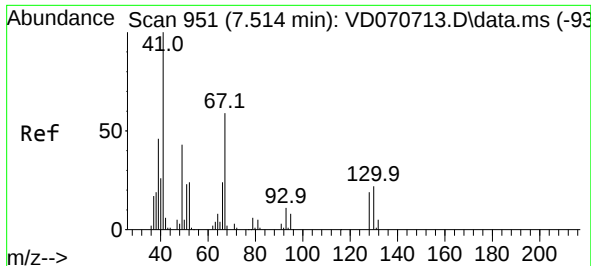
Tgt Ion: 75 Resp: 38131
Ion Ratio Lower Upper
75 100
110 8.9 17.2 51.6#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 5.161 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.117 min
Lab File: VD070754.D
Acq: 19 Oct 2021 13:08

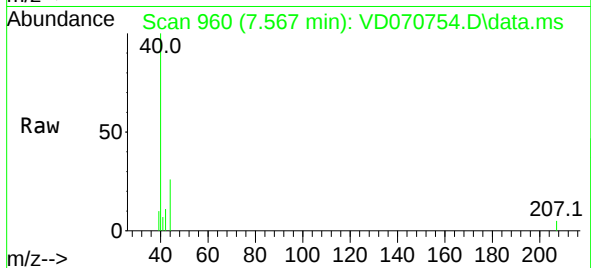
Tgt Ion: 117 Resp: 43121
Ion Ratio Lower Upper
117 100
119 5.5 77.4 116.0#
121 0.0 25.4 38.0#



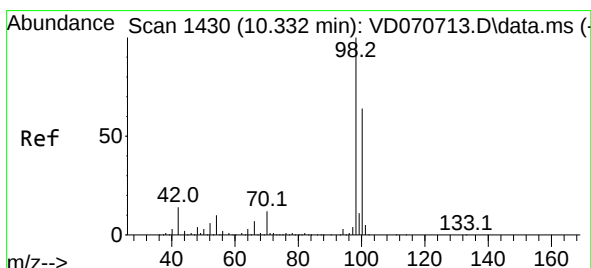
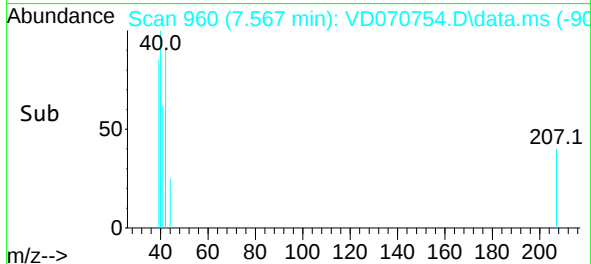
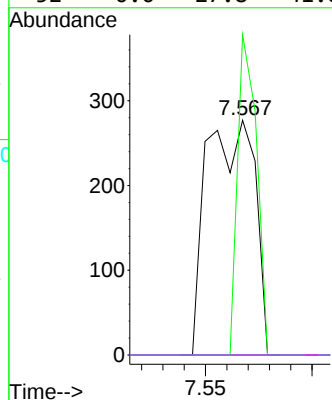


#41
Methacrylonitrile
Concen: 2.128 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.053 min
Lab File: VD070754.D
Acq: 19 Oct 2021 13:08

Instrument :
MSVOA_D
ClientSampleId :
WC-1-BD

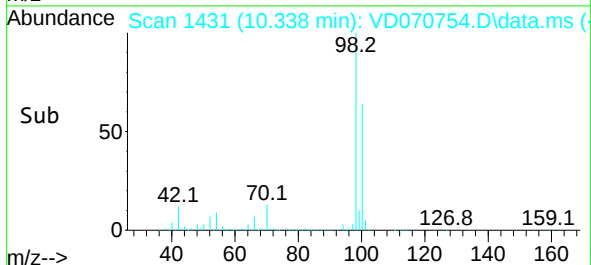
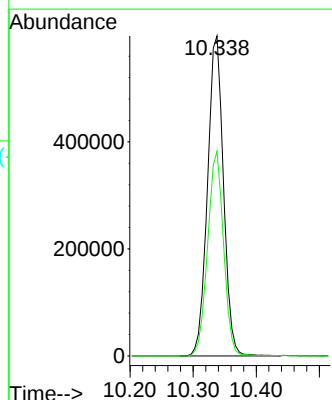
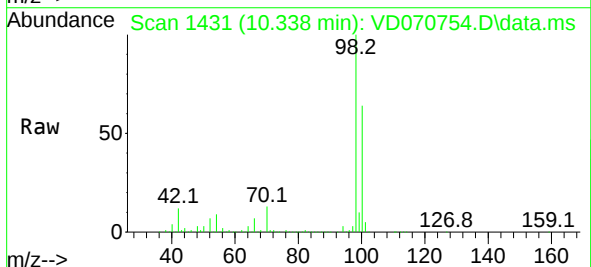


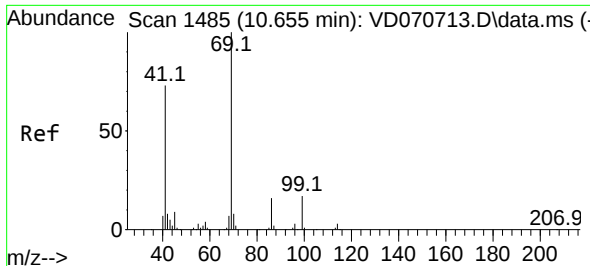
Tgt Ion: 41	Resp: 437
Ion Ratio	Lower Upper
41 100	
39 53.8	45.2 67.8
67 0.0	75.8 113.6#
52 0.0	27.8 41.8#



#50
Toluene-d8
Concen: 54.600 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070754.D
Acq: 19 Oct 2021 13:08

Tgt Ion: 98	Resp: 1049464
Ion Ratio	Lower Upper
98 100	
100 63.9	52.2 78.4

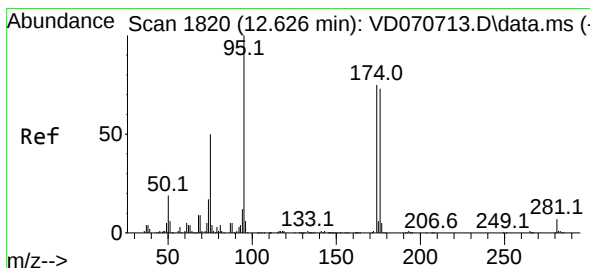
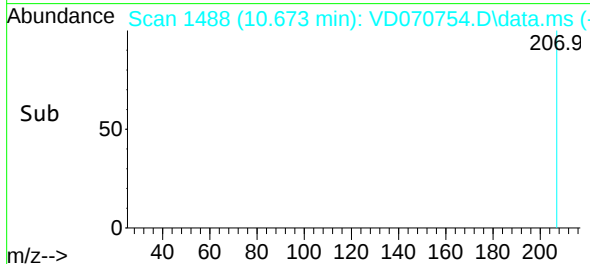
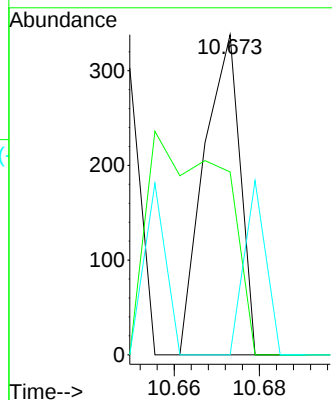
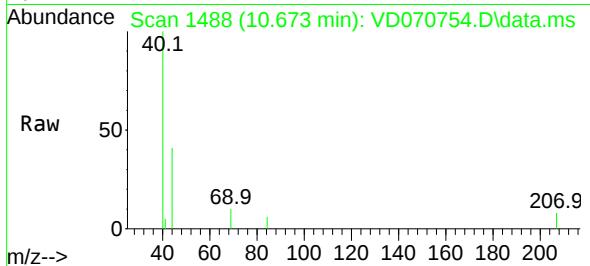




#56
Ethyl methacrylate
Concen: 4.186 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD070754.D
Acq: 19 Oct 2021 13:08

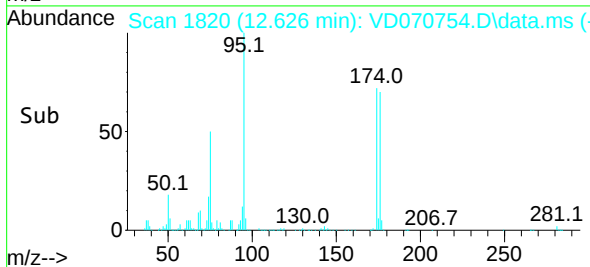
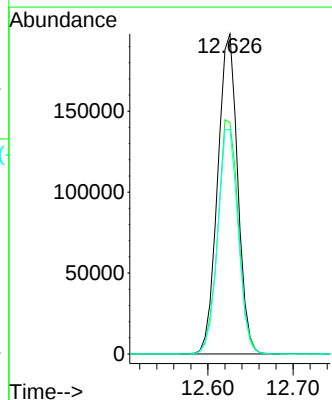
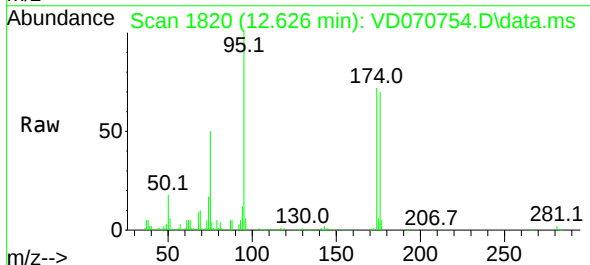
Instrument :
MSVOA_D
ClientSampleId :
WC-1-BD

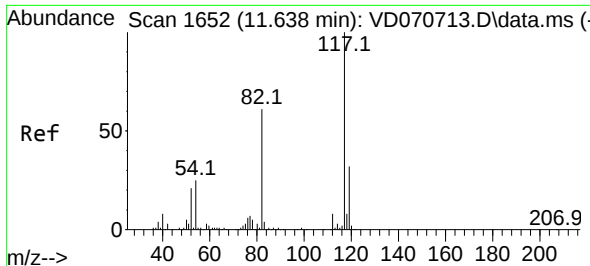
Tgt Ion: 69 Resp: 198
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 32.8 19.5 29.3#



#62
4-Bromofluorobenzene
Concen: 48.844 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070754.D
Acq: 19 Oct 2021 13:08

Tgt Ion: 95 Resp: 323267
Ion Ratio Lower Upper
95 100
174 74.8 0.0 138.0
176 71.4 0.0 135.6

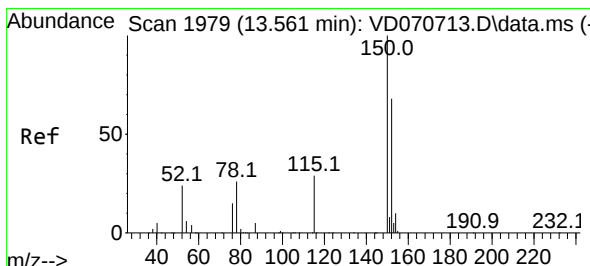
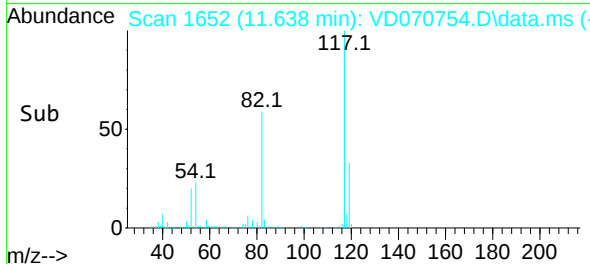
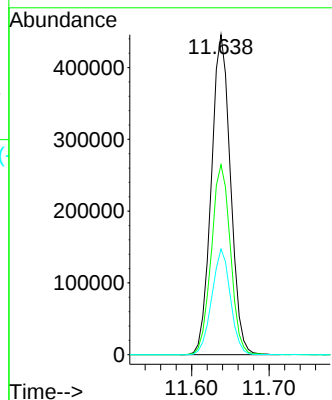
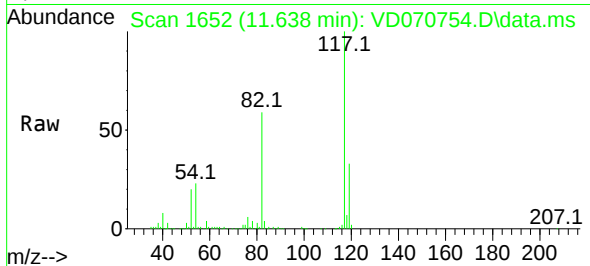




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070754.D
Acq: 19 Oct 2021 13:08

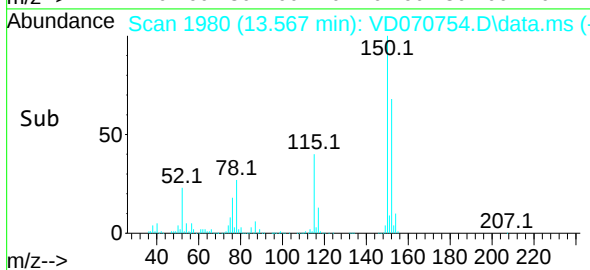
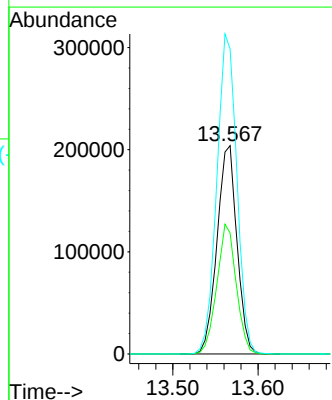
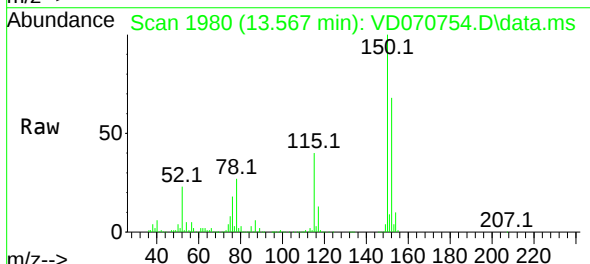
Instrument :
MSVOA_D
ClientSampleId :
WC-1-BD

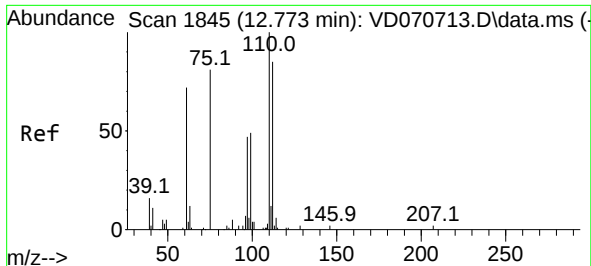
Tgt Ion:117 Resp: 767005
Ion Ratio Lower Upper
117 100
82 59.4 45.4 68.2
119 33.0 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD070754.D
Acq: 19 Oct 2021 13:08

Tgt Ion:152 Resp: 331451
Ion Ratio Lower Upper
152 100
115 60.5 31.9 95.7
150 154.0 0.0 350.0

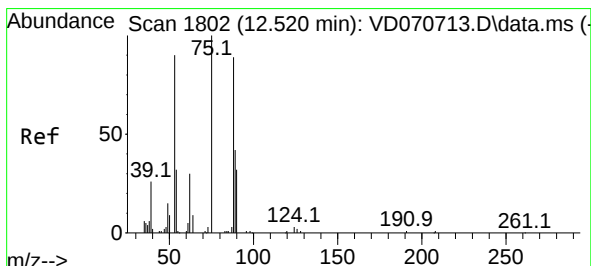
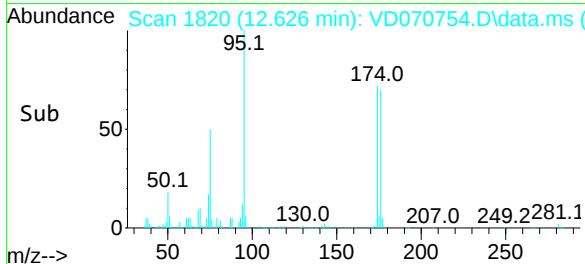
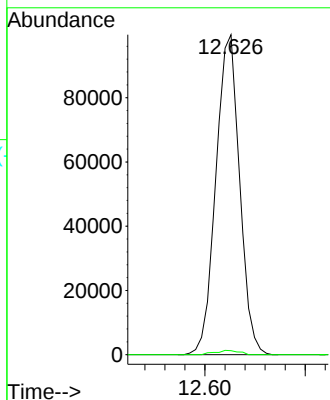
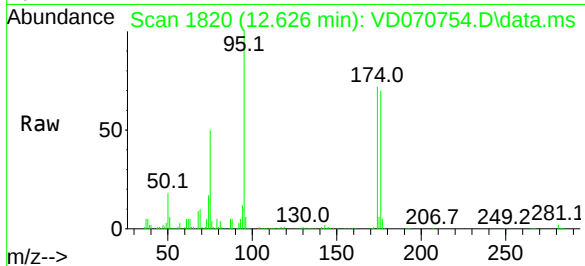




#76
1,2,3-Trichloropropane
Concen: 57.091 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070754.D
Acq: 19 Oct 2021 13:08

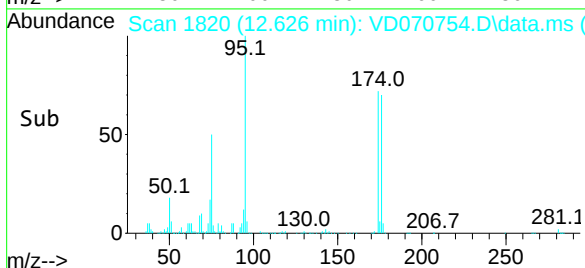
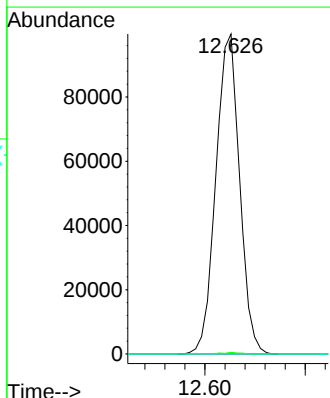
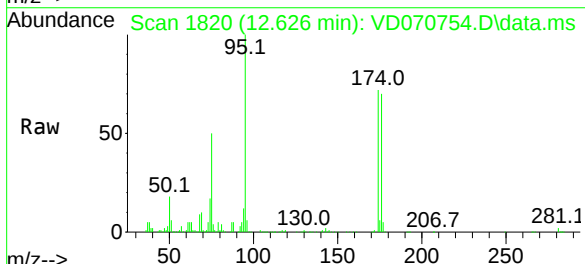
Instrument :
MSVOA_D
ClientSampleId :
WC-1-BD

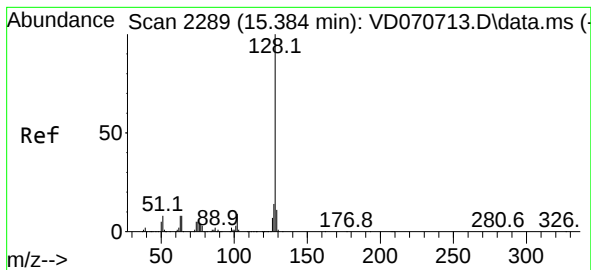
Tgt Ion: 75 Resp: 163487
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.048 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070754.D
Acq: 19 Oct 2021 13:08

Tgt Ion: 75 Resp: 163487
Ion Ratio Lower Upper
75 100
53 0.4 64.5 96.7#
89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 4.835 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.001 min
Lab File: VD070754.D
Acq: 19 Oct 2021 13:08

Instrument :
MSVOA_D
ClientSampleId :
WC-1-BD

Tgt Ion:128 Resp: 505
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

