

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081821\
 Data File : VD070121.D
 Acq On : 18 Aug 2021 12:01
 Operator : VA/SY
 Sample : M3390-18
 Misc : 6.14G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SWCS-10-0510

Quant Time: Aug 19 07:28:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

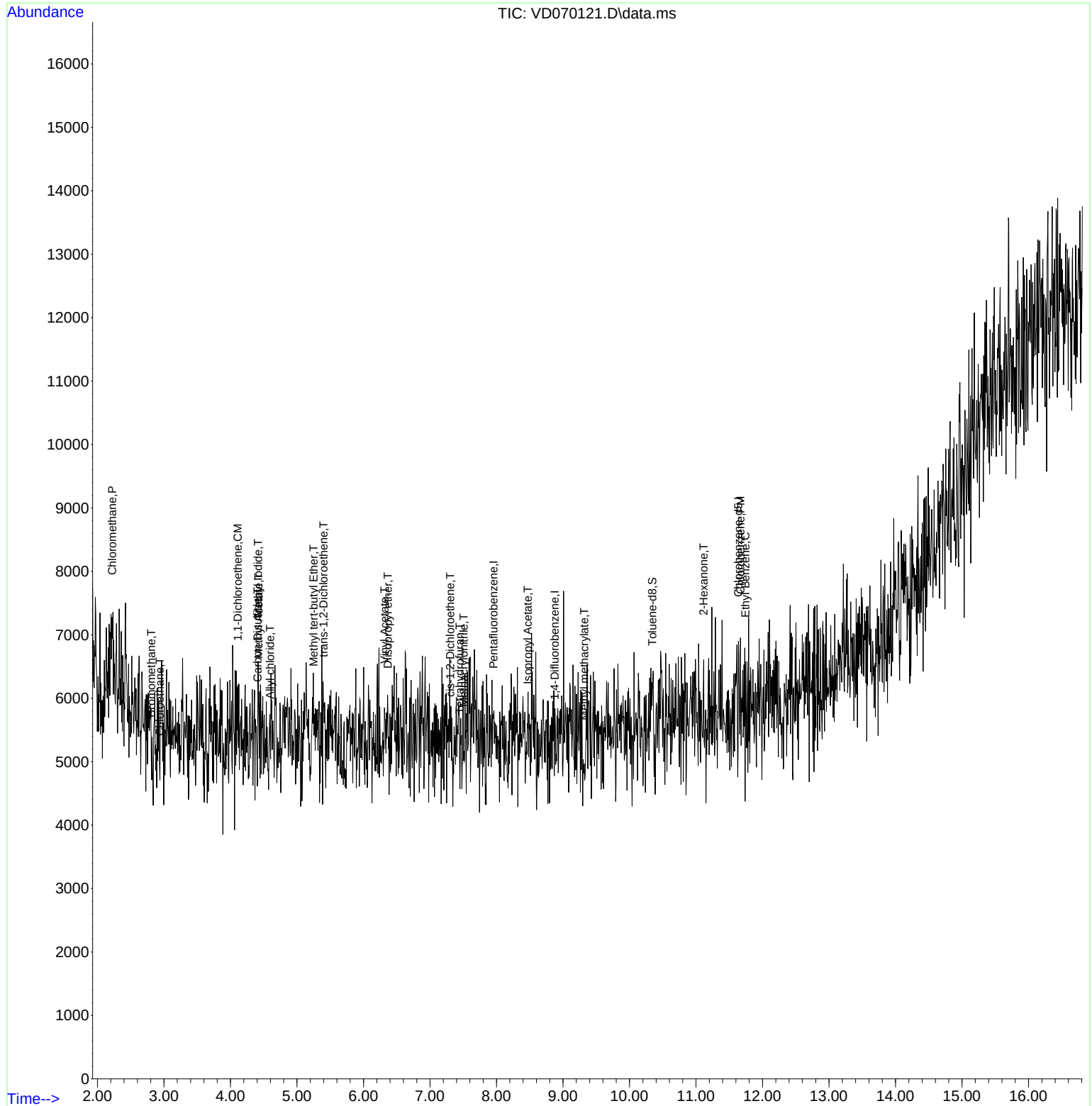
Internal Standards						
1) Pentafluorobenzene	7.956	168	148	50.000	ug/l	#-0.02
34) 1,4-Difluorobenzene	8.873	114	256	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.638	117	132	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.57
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0	0.000	ug/l	
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0	0.000	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.000%#
50) Toluene-d8	10.344	98	60	9.327	ug/l	0.01
Spiked Amount	50.000	Range	49 - 140	Recovery	=	18.660%#
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	25 - 144	Recovery	=	0.000%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.221	50	140	69.986	ug/l #	42
5) Bromomethane	2.809	94	57	40.682	ug/l #	5
6) Chloroethane	2.938	64	156	97.491	ug/l #	42
10) Methyl Iodide	4.415	142	56	32.002	ug/l #	40
12) 1,1-Dichloroethene	4.109	96	103	58.579	ug/l #	1
14) Allyl chloride	4.597	41	53	20.201	ug/l #	27
17) Carbon Disulfide	4.409	76	55	8.652	ug/l #	75
18) Methyl Acetate	4.420	43	57	59.620	ug/l #	50
19) Methyl tert-butyl Ether	5.250	73	125	34.254	ug/l #	53
21) trans-1,2-Dichloroethene	5.397	96	64	31.336	ug/l #	1
22) Diisopropyl ether	6.367	45	81	14.680	ug/l #	38
23) Vinyl Acetate	6.315	43	55	21.994	ug/l #	70
27) cis-1,2-Dichloroethene	7.303	96	129	59.475	ug/l #	1
29) Tetrahydrofuran	7.444	42	131	456.577	ug/l #	32
41) Methacrylonitrile	7.509	41	68	125.734	ug/l #	18
43) Isopropyl Acetate	8.467	43	56	29.986	ug/l #	47
48) Methyl methacrylate	9.320	41	55	61.758	ug/l #	12
59) 2-Hexanone	11.114	43	63	96.875	ug/l #	21
65) Chlorobenzene	11.667	112	91	32.996	ug/l #	43
67) Ethyl Benzene	11.744	91	54	11.074	ug/l #	44

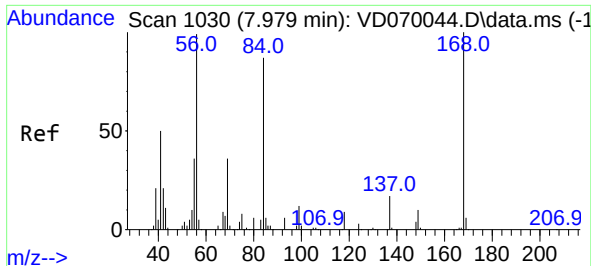
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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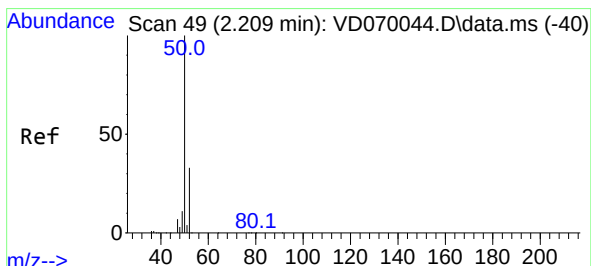
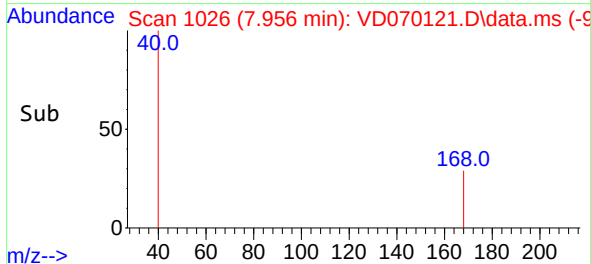
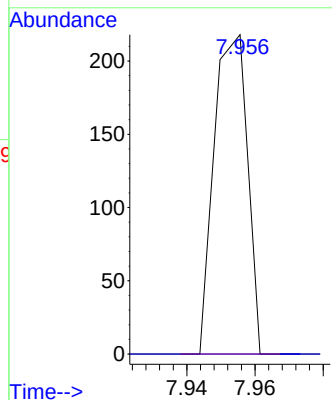
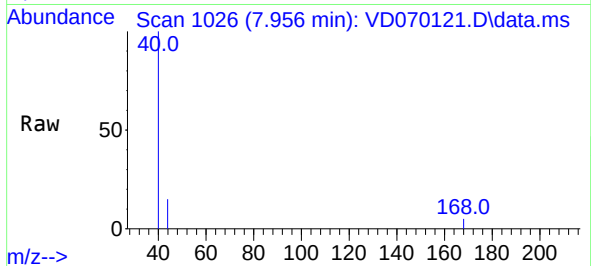




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.956 min Scan# 1026
Delta R.T. -0.023 min
Lab File: VD070121.D
Acq: 18 Aug 2021 12:01

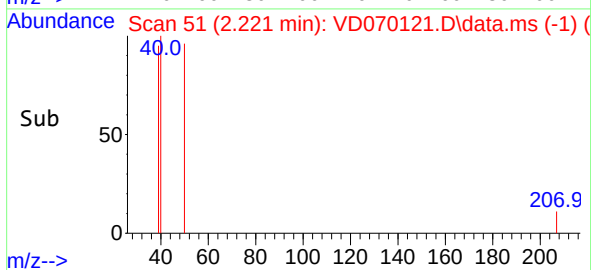
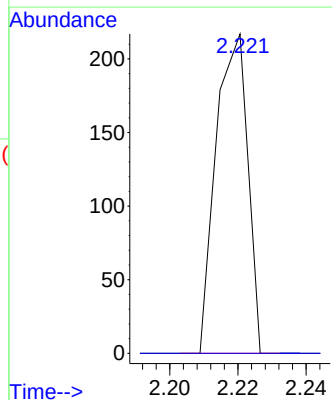
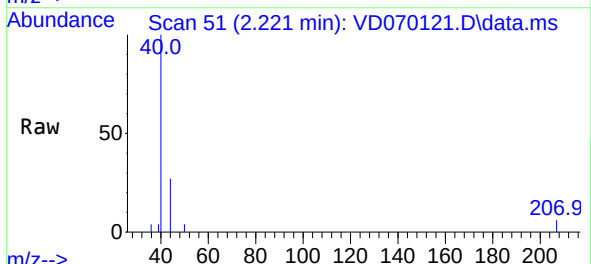
Instrument :
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SWCS-10-0510

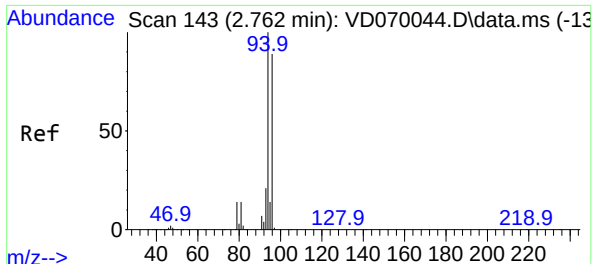
Tgt Ion:168 Resp: 148
Ion Ratio Lower Upper
168 100
99 0.0 50.3 75.5#



#3
Chloromethane
Concen: 69.986 ug/l
RT: 2.221 min Scan# 51
Delta R.T. 0.012 min
Lab File: VD070121.D
Acq: 18 Aug 2021 12:01

Tgt Ion: 50 Resp: 140
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

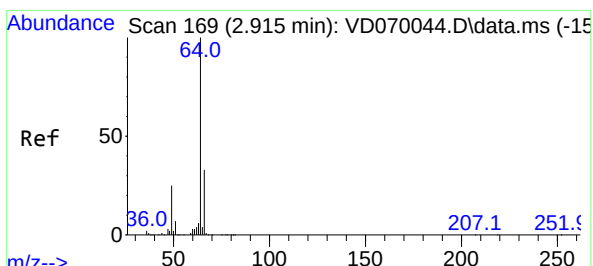
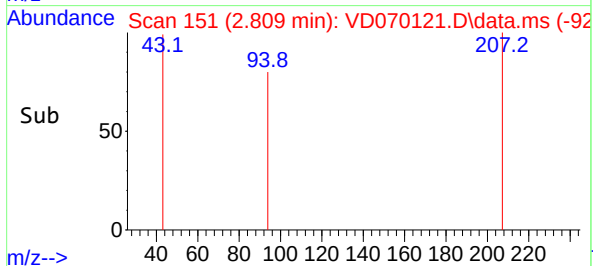
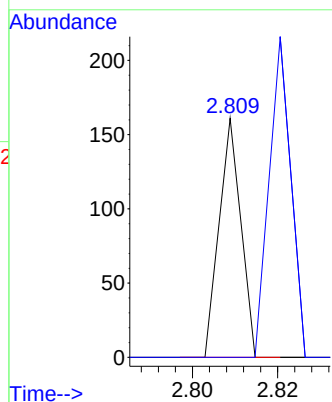
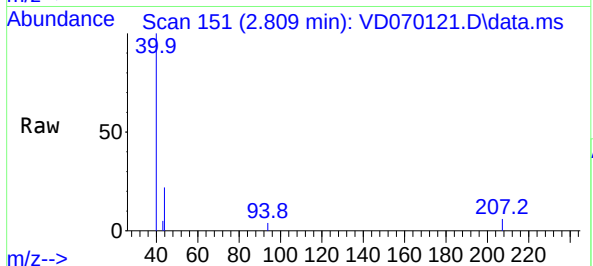




#5
Bromomethane
Concen: 40.682 ug/l
RT: 2.809 min Scan# 151
Delta R.T. 0.047 min
Lab File: VD070121.D
Acq: 18 Aug 2021 12:01

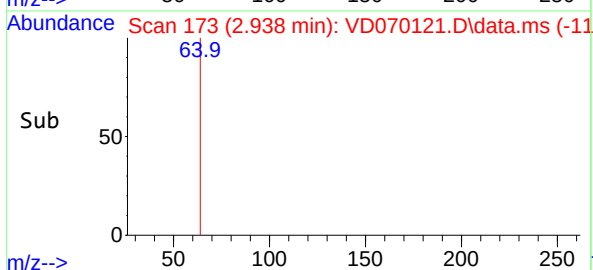
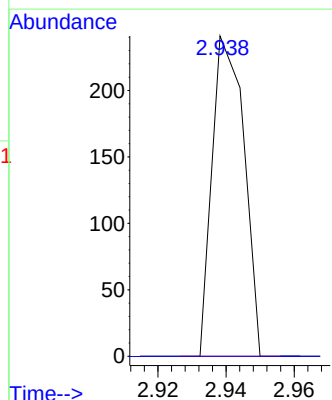
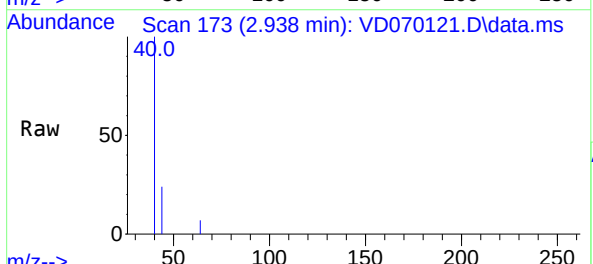
Instrument :
MSVOA_D
ClientSampleId :
SWCS-10-0510

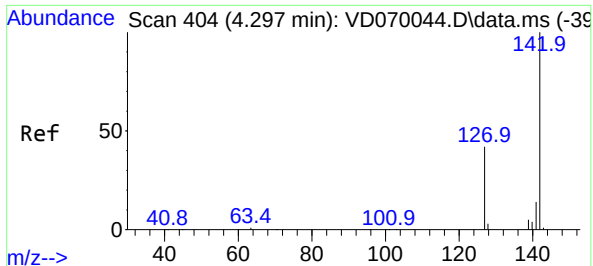
Tgt Ion: 94 Resp: 57
Ion Ratio Lower Upper
94 100
96 0.0 70.9 106.3#



#6
Chloroethane
Concen: 97.491 ug/l
RT: 2.938 min Scan# 173
Delta R.T. 0.024 min
Lab File: VD070121.D
Acq: 18 Aug 2021 12:01

Tgt Ion: 64 Resp: 156
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#

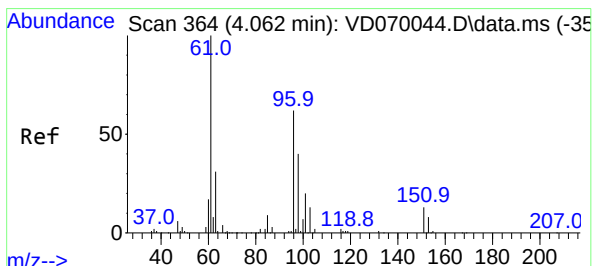
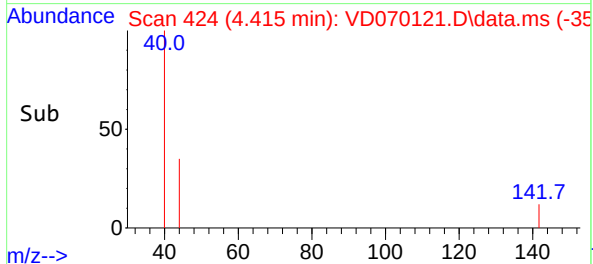
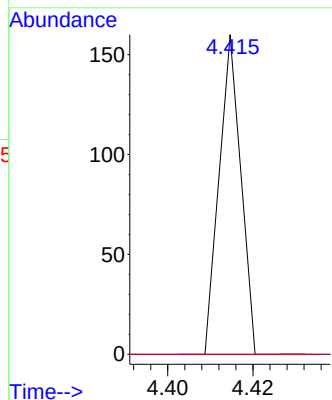
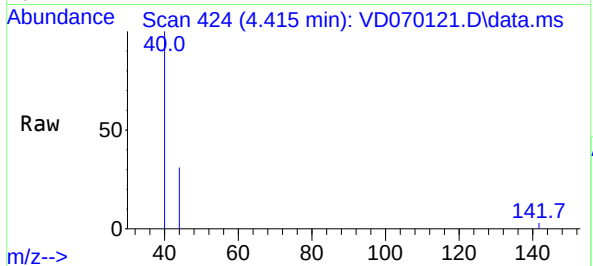




#10
Methyl Iodide
Concen: 32.002 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.118 min
Lab File: VD070121.D
Acq: 18 Aug 2021 12:01

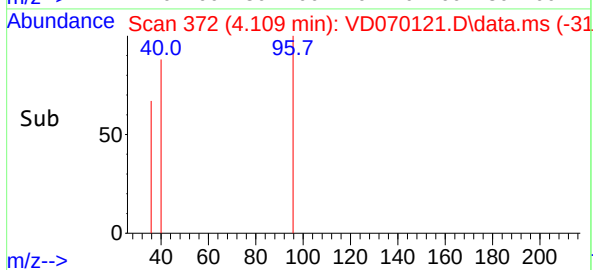
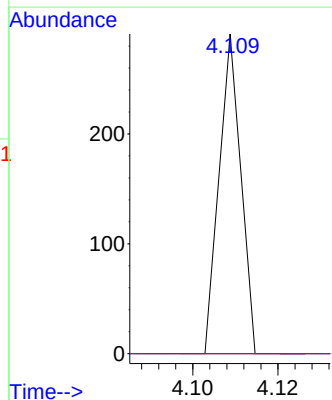
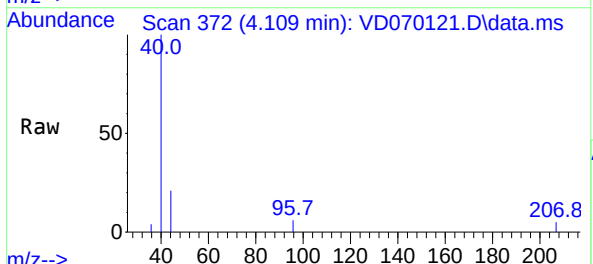
Instrument :
MSVOA_D
ClientSampleId :
SWCS-10-0510

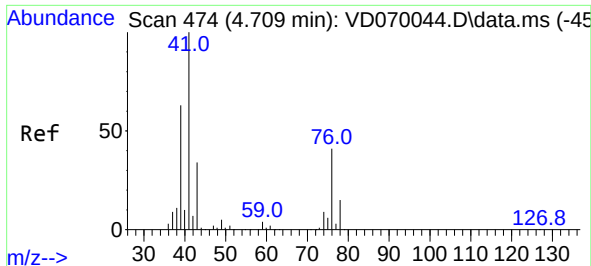
Tgt Ion:142 Resp: 56
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.0#
141 0.0 12.1 18.1#



#12
1,1-Dichloroethene
Concen: 58.579 ug/l
RT: 4.109 min Scan# 372
Delta R.T. 0.047 min
Lab File: VD070121.D
Acq: 18 Aug 2021 12:01

Tgt Ion: 96 Resp: 103
Ion Ratio Lower Upper
96 100
61 0.0 129.1 193.7#
98 0.0 52.0 78.0#

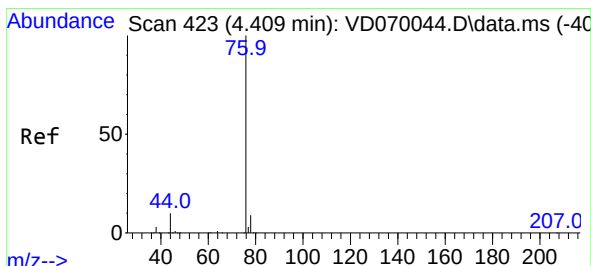
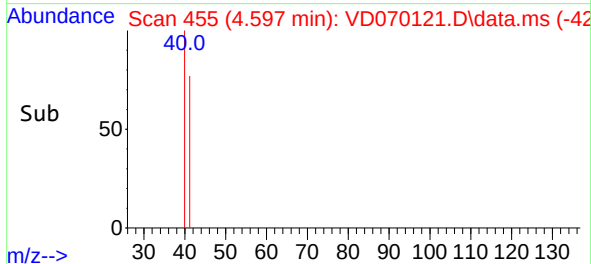
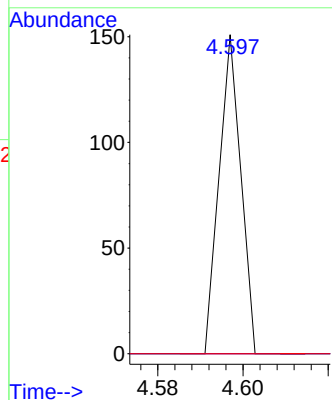
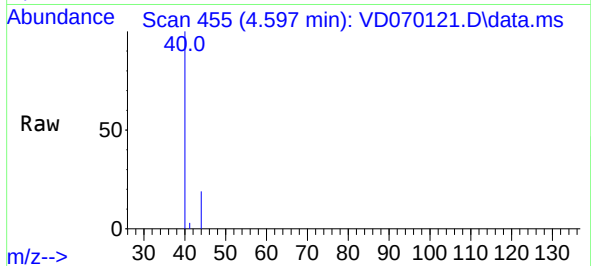




#14
Allyl chloride
Concen: 20.201 ug/l
RT: 4.597 min Scan# 455
Delta R.T. -0.112 min
Lab File: VD070121.D
Acq: 18 Aug 2021 12:01

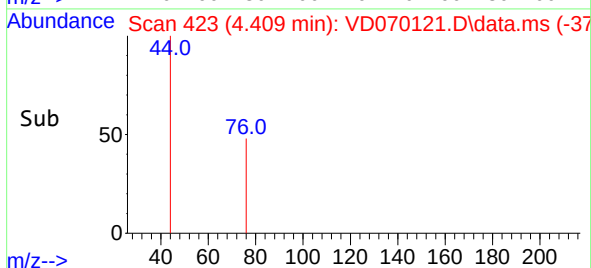
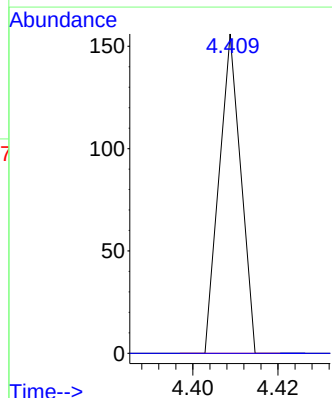
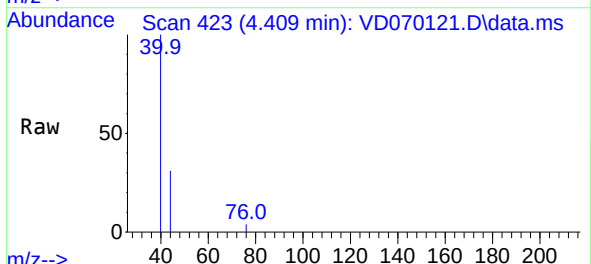
Instrument :
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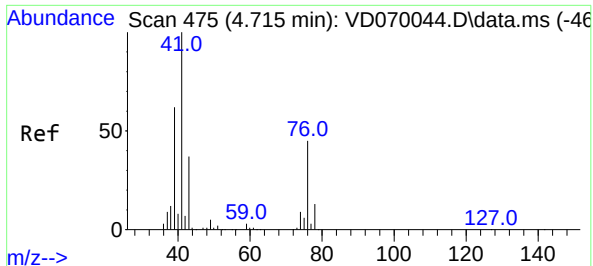
Tgt Ion: 41 Resp: 53
Ion Ratio Lower Upper
41 100
39 0.0 47.9 71.9#
76 0.0 31.6 47.4#



#17
Carbon Disulfide
Concen: 8.652 ug/l
RT: 4.409 min Scan# 423
Delta R.T. 0.000 min
Lab File: VD070121.D
Acq: 18 Aug 2021 12:01

Tgt Ion: 76 Resp: 55
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#

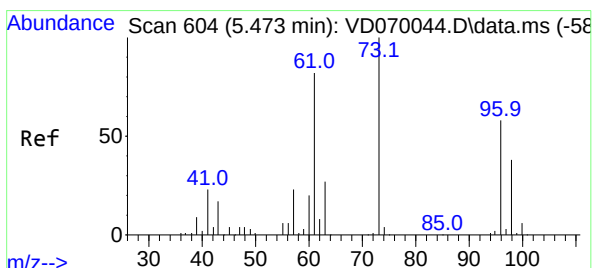
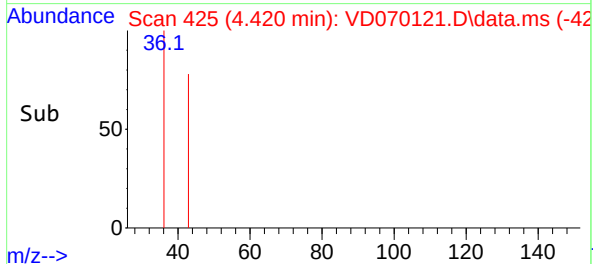
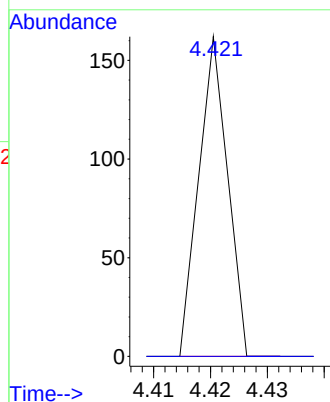
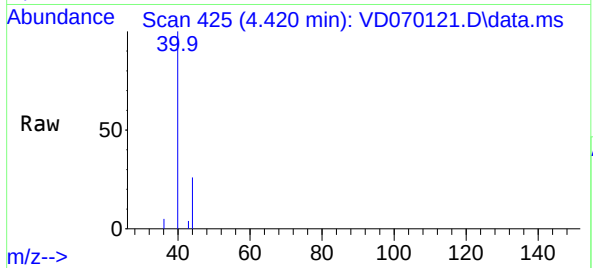




#18
Methyl Acetate
Concen: 59.620 ug/l
RT: 4.420 min Scan# 425
Delta R.T. -0.294 min
Lab File: VD070121.D
Acq: 18 Aug 2021 12:01

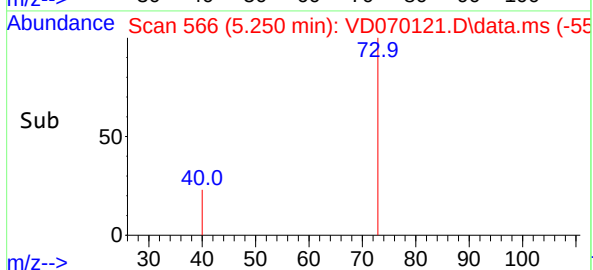
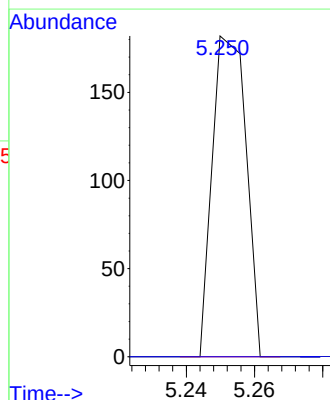
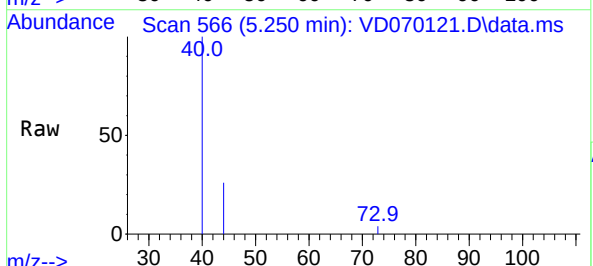
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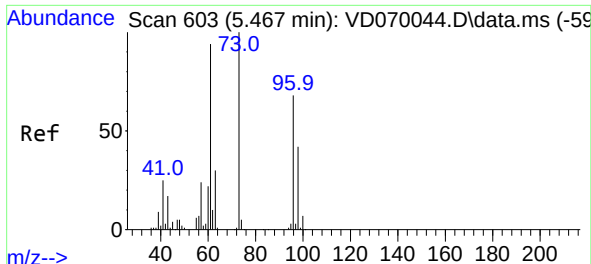
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#19
Methyl tert-butyl Ether
Concen: 34.254 ug/l
RT: 5.250 min Scan# 566
Delta R.T. -0.223 min
Lab File: VD070121.D
Acq: 18 Aug 2021 12:01

Tgt Ion: 73 Resp: 125
Ion Ratio Lower Upper
73 100
57 0.0 18.2 27.4#

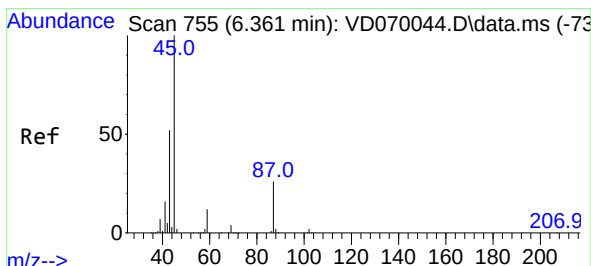
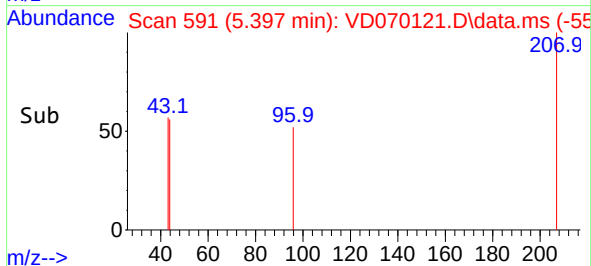
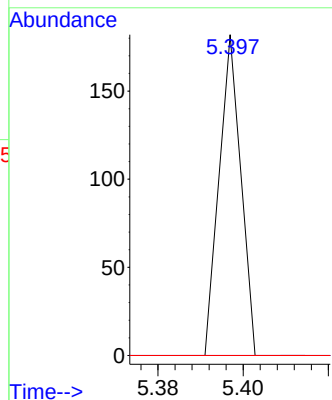
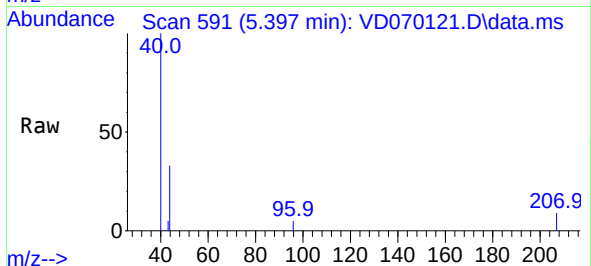




#21
trans-1,2-Dichloroethene
Concen: 31.336 ug/l
RT: 5.397 min Scan# 591
Delta R.T. -0.070 min
Lab File: VD070121.D
Acq: 18 Aug 2021 12:01

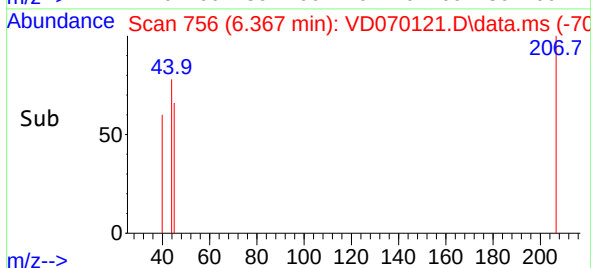
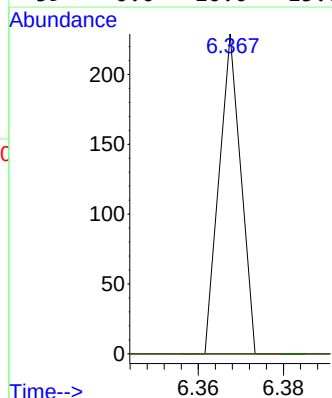
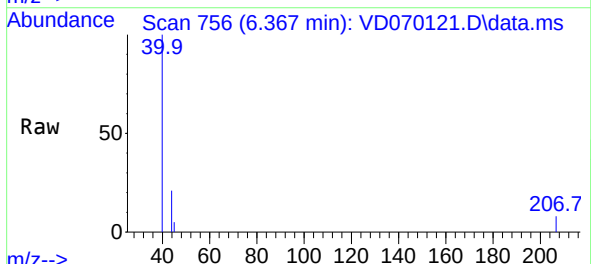
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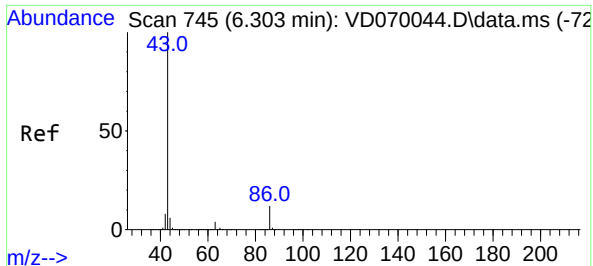
Tgt Ion: 96 Resp: 64
Ion Ratio Lower Upper
96 100
61 0.0 111.0 166.4#
98 0.0 49.0 73.4#



#22
Diisopropyl ether
Concen: 14.680 ug/l
RT: 6.367 min Scan# 756
Delta R.T. 0.006 min
Lab File: VD070121.D
Acq: 18 Aug 2021 12:01

Tgt Ion: 45 Resp: 81
Ion Ratio Lower Upper
45 100
43 0.0 41.7 62.5#
87 0.0 21.0 31.4#
59 0.0 10.0 15.0#

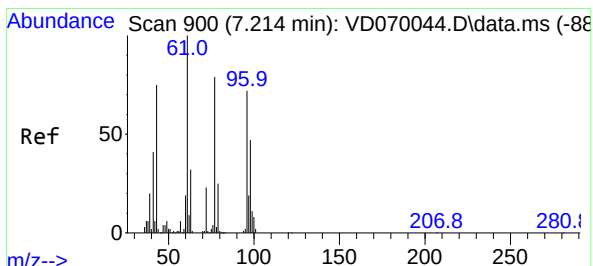
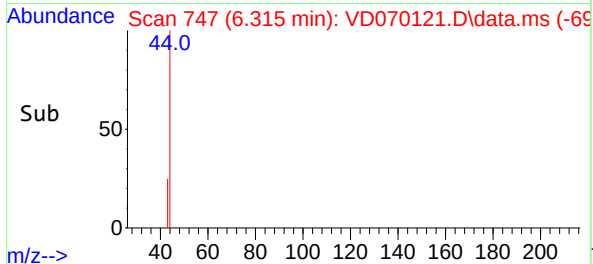
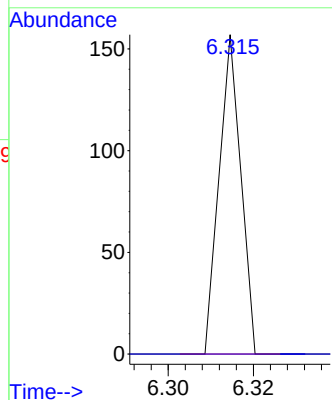
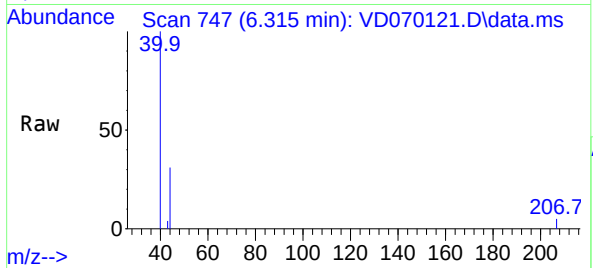




#23
 Vinyl Acetate
 Concen: 21.994 ug/l
 RT: 6.315 min Scan# 747
 Delta R.T. 0.012 min
 Lab File: VD070121.D
 Acq: 18 Aug 2021 12:01

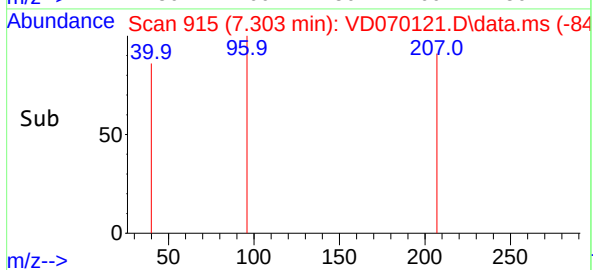
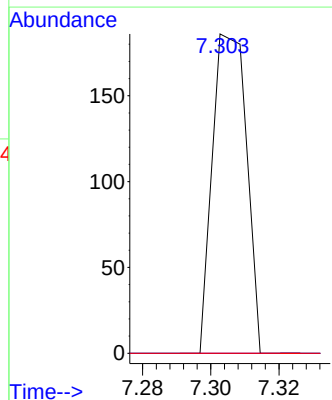
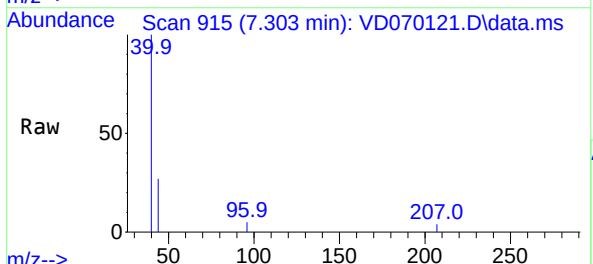
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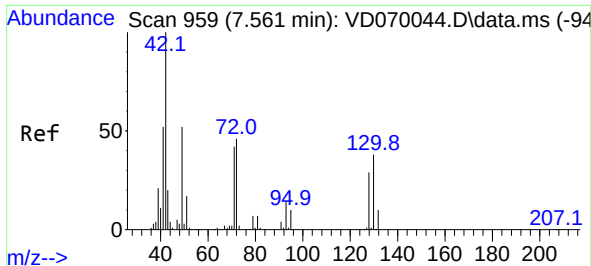
Tgt Ion: 43 Resp: 55
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.2 13.8#



#27
 cis-1,2-Dichloroethene
 Concen: 59.475 ug/l
 RT: 7.303 min Scan# 915
 Delta R.T. 0.088 min
 Lab File: VD070121.D
 Acq: 18 Aug 2021 12:01

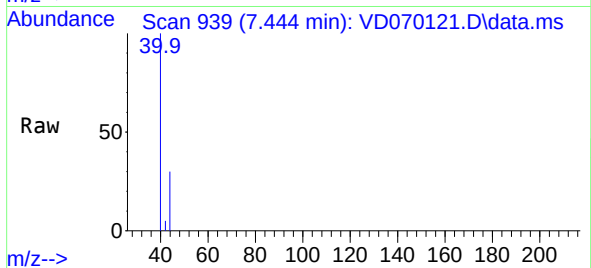
Tgt Ion: 96 Resp: 129
 Ion Ratio Lower Upper
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 61 0.0 0.0 288.2
 98 0.0 0.0 129.6



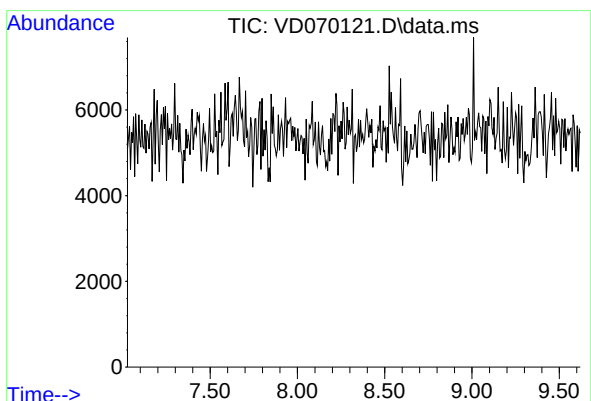
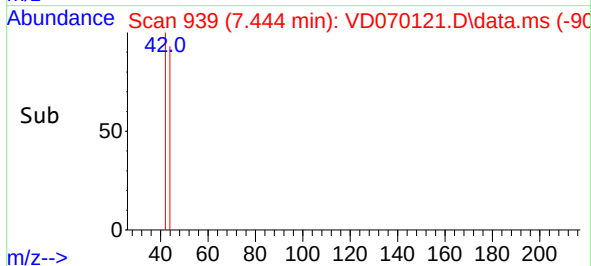
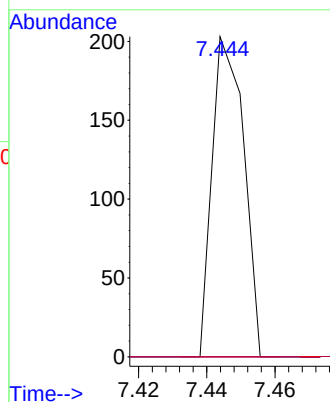


#29
Tetrahydrofuran
Concen: 456.577 ug/l
RT: 7.444 min Scan# 939
Delta R.T. -0.118 min
Lab File: VD070121.D
Acq: 18 Aug 2021 12:01

Instrument :
MSVOA_D
ClientSampleId :
SWCS-10-0510



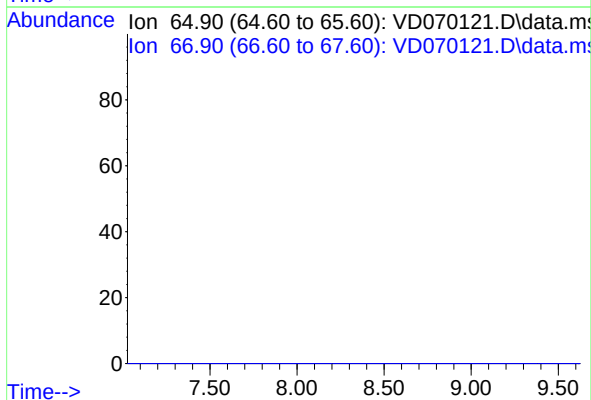
Tgt Ion: 42 Resp: 131
Ion Ratio Lower Upper
42 100
72 0.0 37.5 56.3#
71 0.0 33.6 50.4#

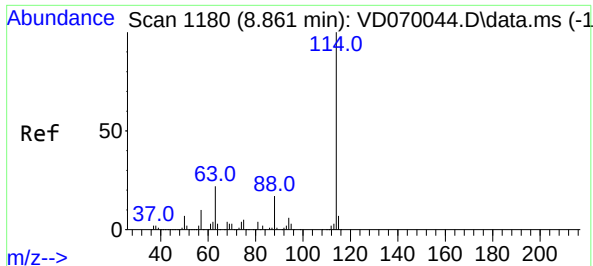


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.33 min

Lab File: VD070121.D
Acq: 18 Aug 2021 12:01

Tgt Ion: 65
Sig Exp Ratio
65 100
67 53.9

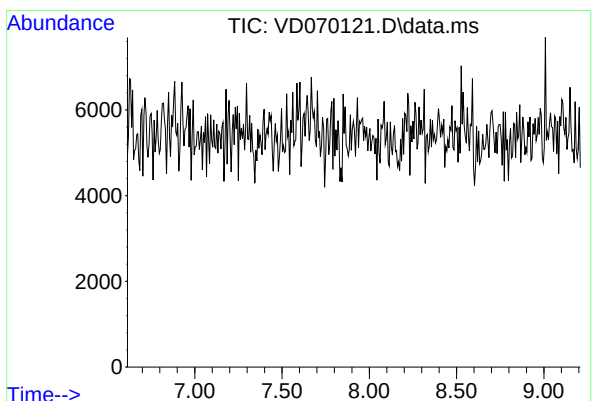
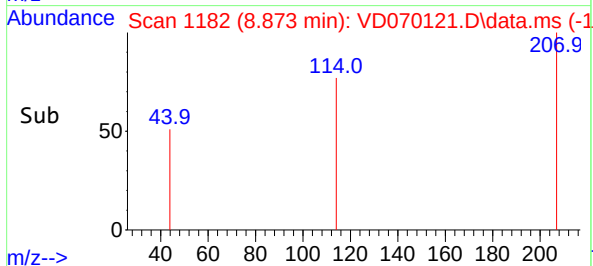
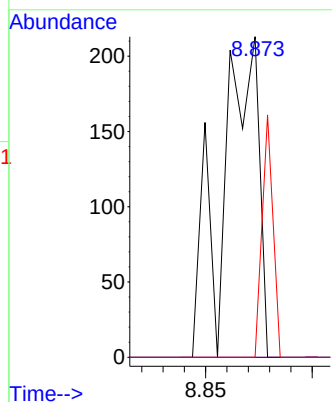
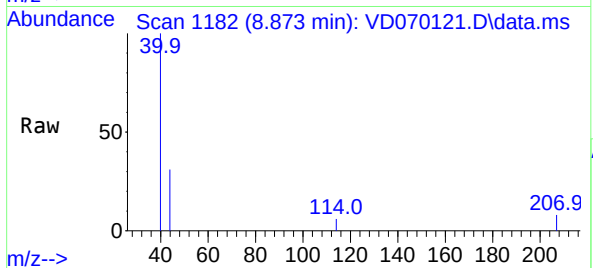




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.873 min Scan# 1182
Delta R.T. 0.012 min
Lab File: VD070121.D
Acq: 18 Aug 2021 12:01

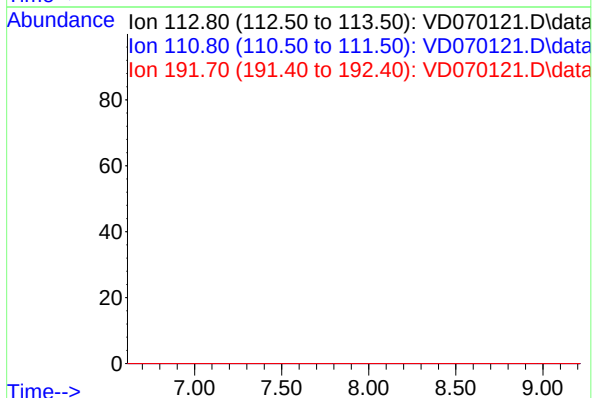
Instrument :
MSVOA_D
ClientSampleId :
SWCS-10-0510

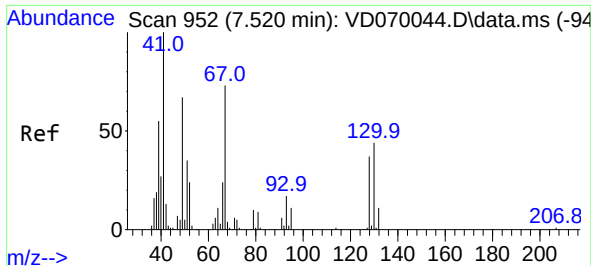
Tgt Ion:114 Resp: 256
Ion Ratio Lower Upper
114 100
63 0.0 0.0 43.6
88 0.0 0.0 33.4



#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 7.91 min
Lab File: VD070121.D
Acq: 18 Aug 2021 12:01

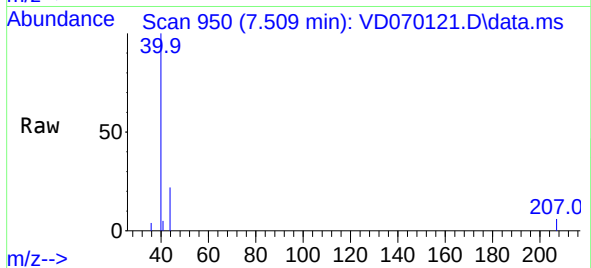
Tgt Ion: 113
Sig Exp Ratio
113 100
111 102.2
192 16.5





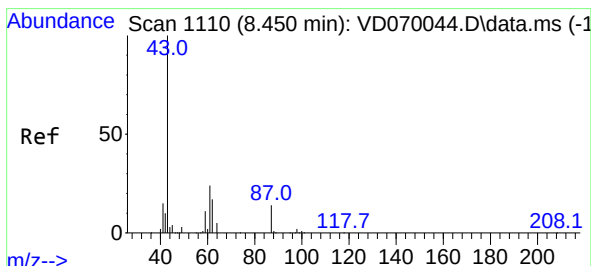
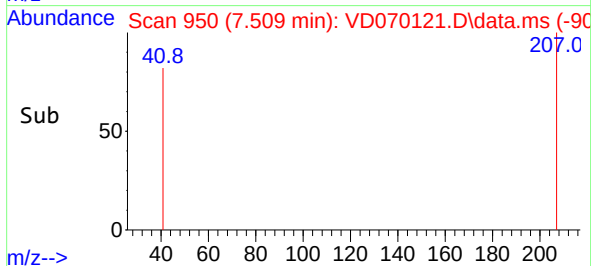
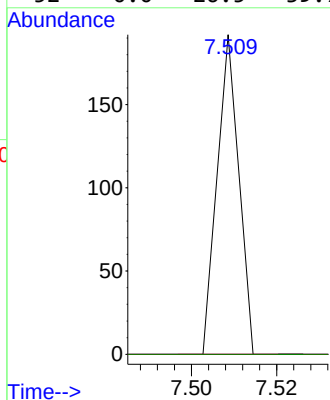
#41
Methacrylonitrile
Concen: 125.734 ug/l
RT: 7.509 min Scan# 950
Delta R.T. -0.012 min
Lab File: VD070121.D
Acq: 18 Aug 2021 12:01

Instrument :
MSVOA_D
ClientSampleId :
SWCS-10-0510

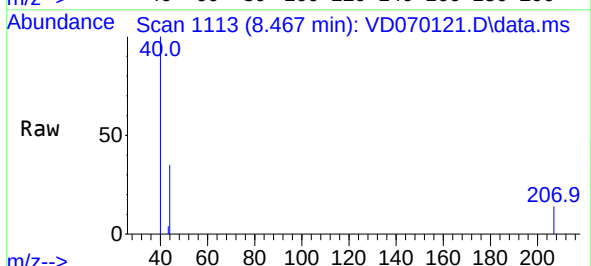


Tgt Ion: 41 Resp: 68

Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.7	71.5#
67	0.0	68.2	102.2#
52	0.0	26.5	39.7#

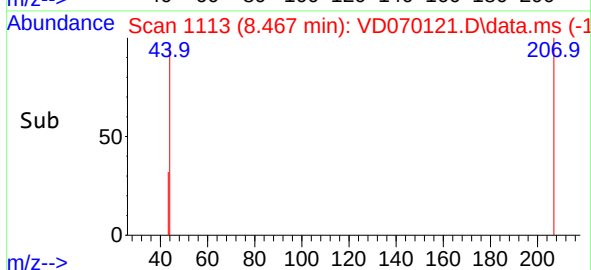
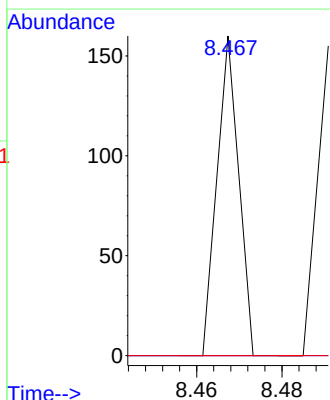


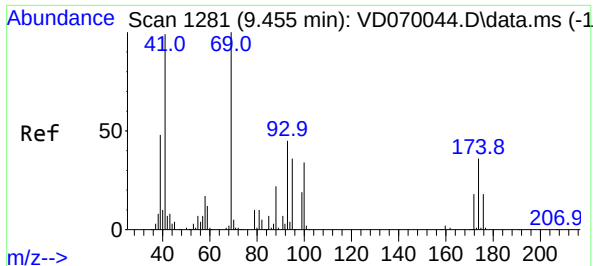
#43
Isopropyl Acetate
Concen: 29.986 ug/l
RT: 8.467 min Scan# 1113
Delta R.T. 0.018 min
Lab File: VD070121.D
Acq: 18 Aug 2021 12:01



Tgt Ion: 43 Resp: 56

Ion	Ratio	Lower	Upper
43	100		
61	0.0	27.7	41.5#
87	0.0	11.5	17.3#





#48

Methyl methacrylate

Concen: 61.758 ug/l

RT: 9.320 min Scan# 1258

Delta R.T. -0.135 min

Lab File: VD070121.D

Acq: 18 Aug 2021 12:01

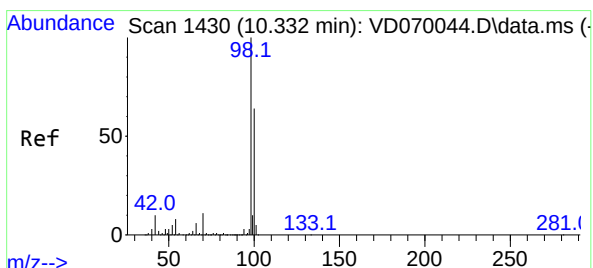
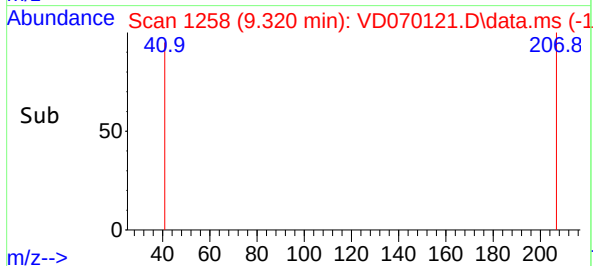
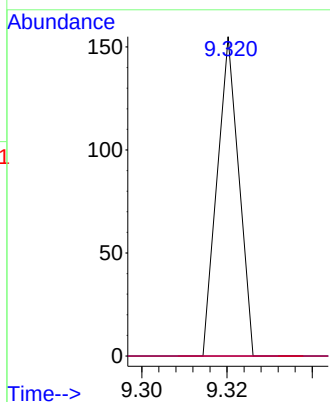
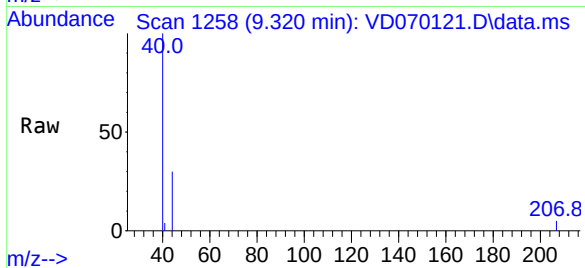
Instrument :

MSVOA_D

ClientSampleId :

SWCS-10-0510

Tgt Ion: 41	Resp: 55
Ion Ratio	Lower Upper
41	100
69	0.0 74.6 111.8#
39	0.0 35.9 53.9#



#50

Toluene-d8

Concen: 9.327 ug/l

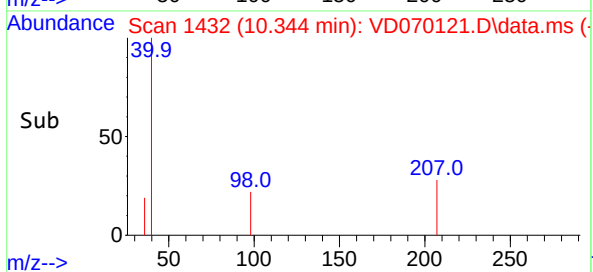
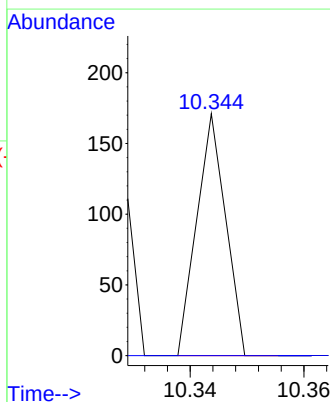
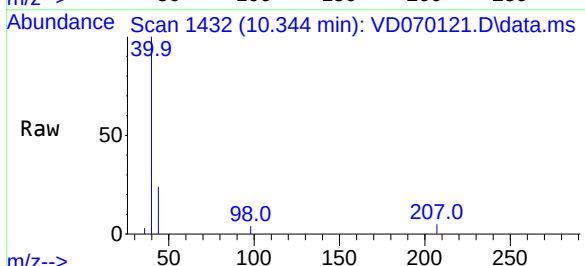
RT: 10.344 min Scan# 1432

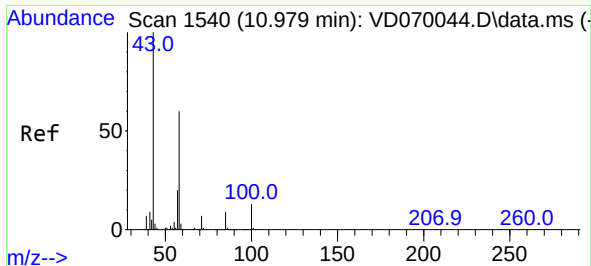
Delta R.T. 0.012 min

Lab File: VD070121.D

Acq: 18 Aug 2021 12:01

Tgt Ion: 98	Resp: 60
Ion Ratio	Lower Upper
98	100
100	0.0 52.6 78.8#

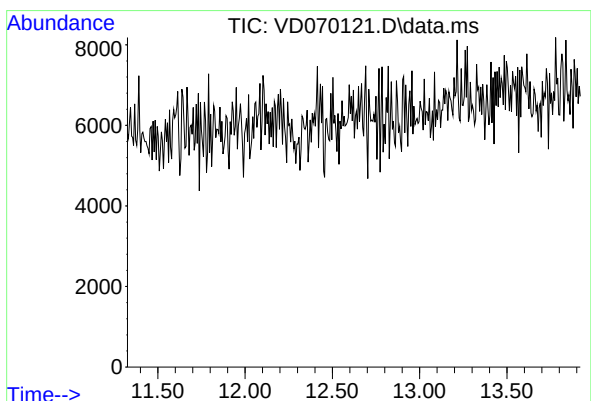
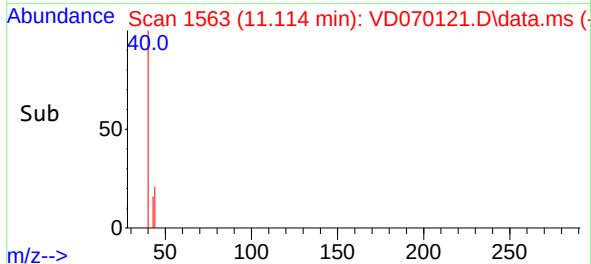
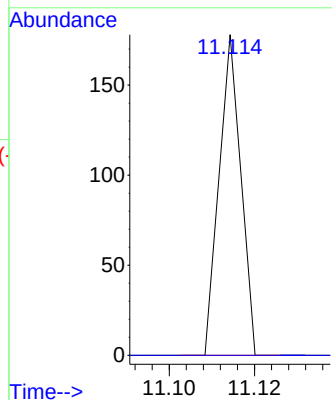
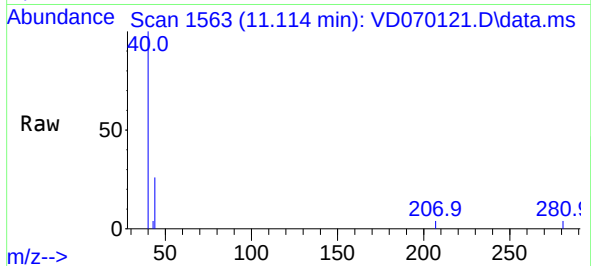




#59
2-Hexanone
Concen: 96.875 ug/l
RT: 11.114 min Scan# 1563
Delta R.T. 0.135 min
Lab File: VD070121.D
Acq: 18 Aug 2021 12:01

Instrument :
MSVOA_D
ClientSampleId :
SWCS-10-0510

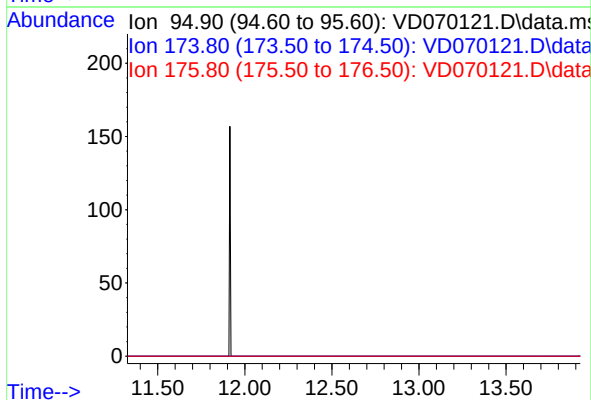
Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
58 0.0 29.5 88.5#

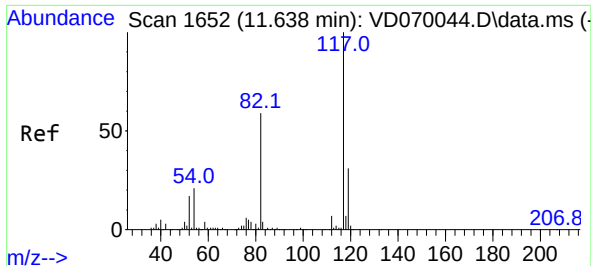


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.63 min

Lab File: VD070121.D
Acq: 18 Aug 2021 12:01

Tgt Ion: 95
Sig Exp Ratio
95 100
174 70.8
176 69.1

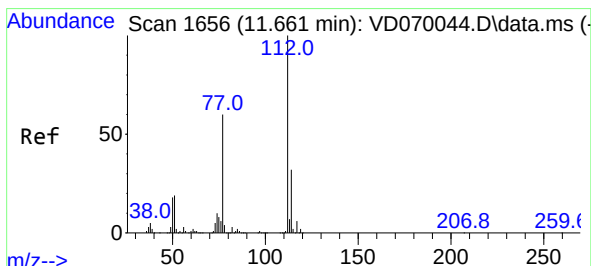
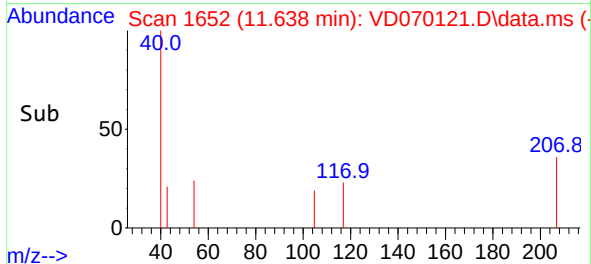
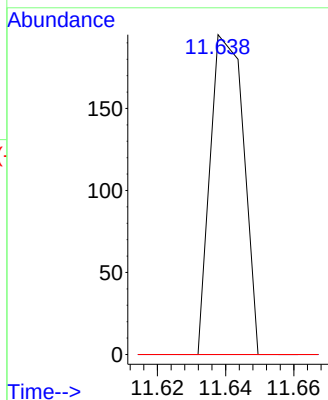
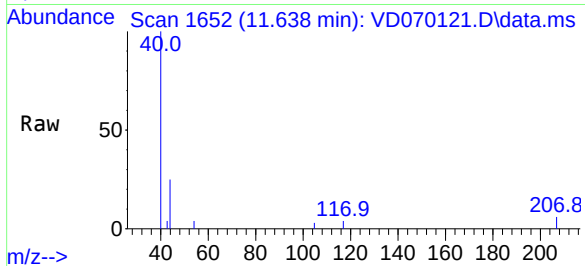




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070121.D
Acq: 18 Aug 2021 12:01

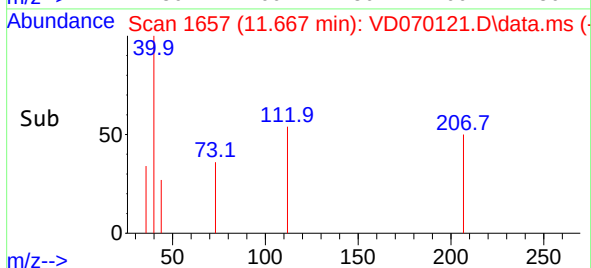
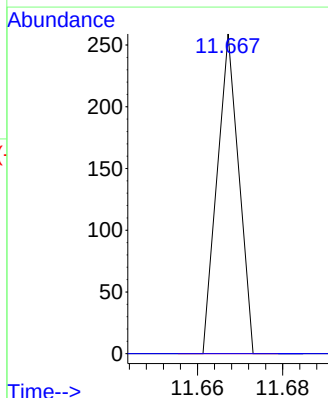
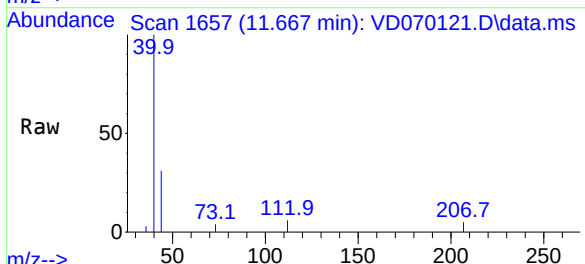
Instrument :
MSVOA_D
ClientSampleId :
SWCS-10-0510

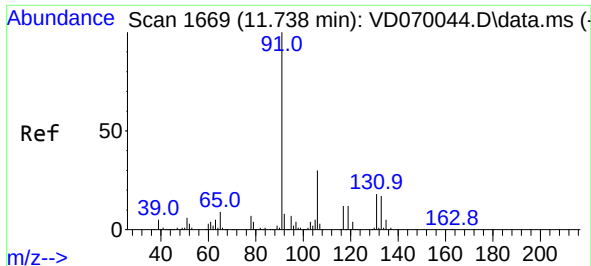
Tgt Ion:	117	Resp:	132
Ion	Ratio	Lower	Upper
117	100		
82	0.0	47.5	71.3#
119	0.0	25.1	37.7#



#65
Chlorobenzene
Concen: 32.996 ug/l
RT: 11.667 min Scan# 1657
Delta R.T. 0.006 min
Lab File: VD070121.D
Acq: 18 Aug 2021 12:01

Tgt Ion:	112	Resp:	91
Ion	Ratio	Lower	Upper
112	100		
114	0.0	25.5	38.3#

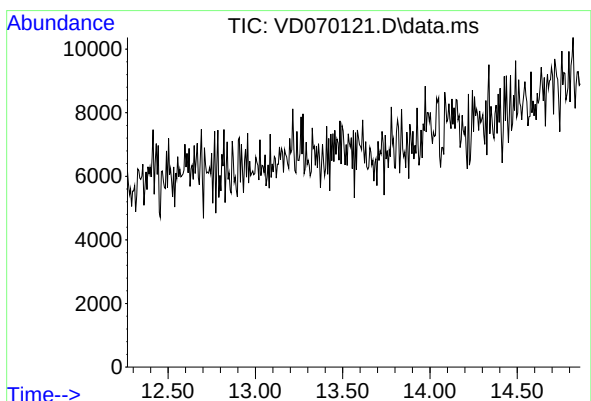
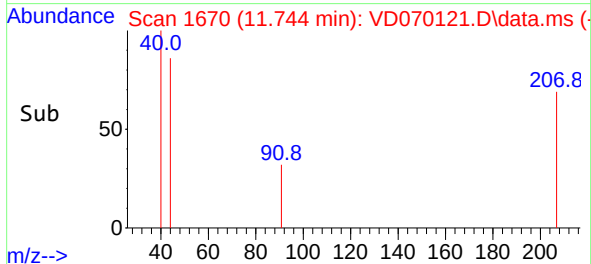
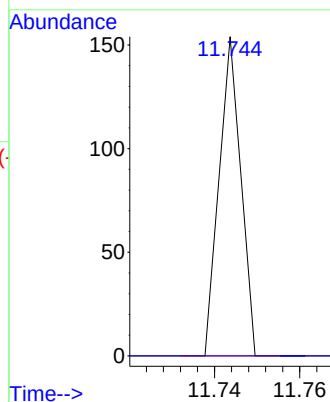
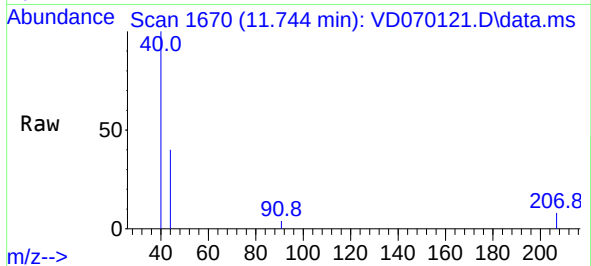




#67
Ethyl Benzene
Concen: 11.074 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. 0.006 min
Lab File: VD070121.D
Acq: 18 Aug 2021 12:01

Instrument :
MSVOA_D
ClientSampleId :
SWCS-10-0510

Tgt Ion: 91 Resp: 54
Ion Ratio Lower Upper
91 100
106 0.0 24.3 36.5#



#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 13.57 min

Lab File: VD070121.D
Acq: 18 Aug 2021 12:01

Tgt Ion: 152
Sig Exp Ratio
152 100
115 62.4
150 176.0

