

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111921\
 Data File : VD071064.D
 Acq On : 19 Nov 2021 18:45
 Operator : VA/SY
 Sample : M4758-29
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 02:54:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

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

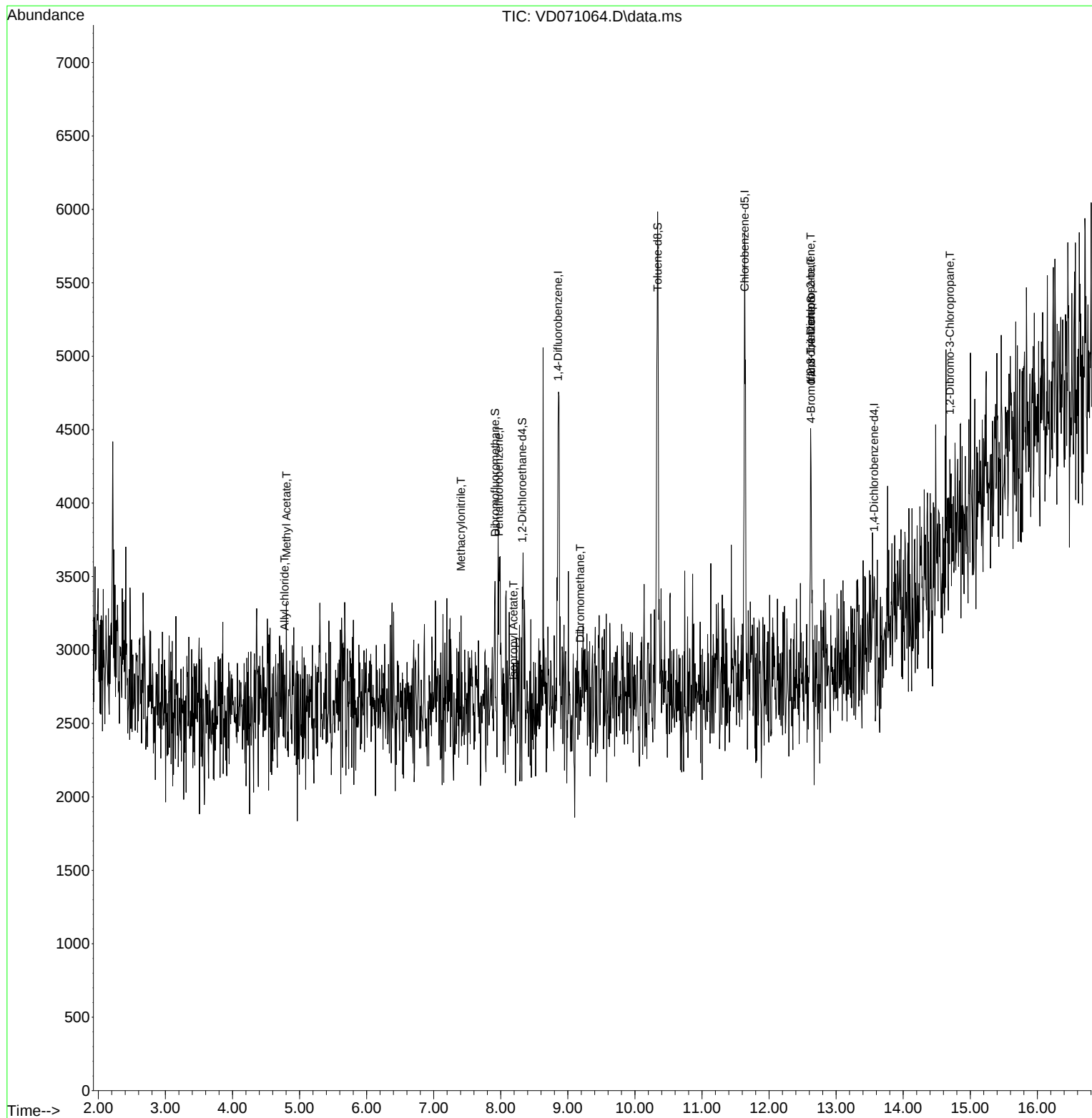
Internal Standards						
1) Pentafluorobenzene	7.973	168	1294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	2284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	161	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	612	44.421	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.840%
35) Dibromofluoromethane	7.914	113	545	42.287	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.580%
50) Toluene-d8	10.338	98	2874	56.941	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	113.880%
62) 4-Bromofluorobenzene	12.626	95	437	24.046	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	48.100%
Target Compounds						
					Qvalue	
14) Allyl chloride	4.779	41	67	2.618	ug/l #	28
18) Methyl Acetate	4.803	43	54	4.569	ug/l #	51
41) Methacrylonitrile	7.408	41	58	11.401	ug/l #	12
43) Isopropyl Acetate	8.191	43	68	3.454	ug/l #	47
46) Dibromomethane	9.185	93	60	8.116	ug/l #	4
76) 1,2,3-Trichloropropane	12.620	75	290	210.868	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	290	382.299	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.696	75	61	186.302	ug/l #	4

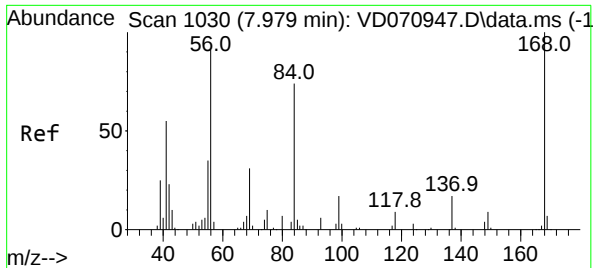
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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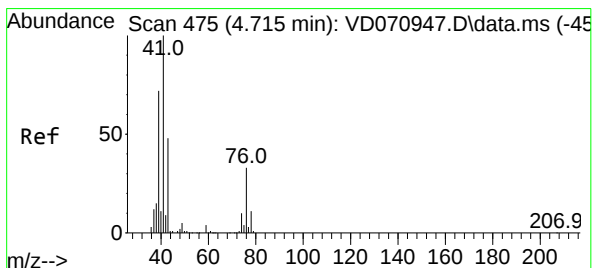
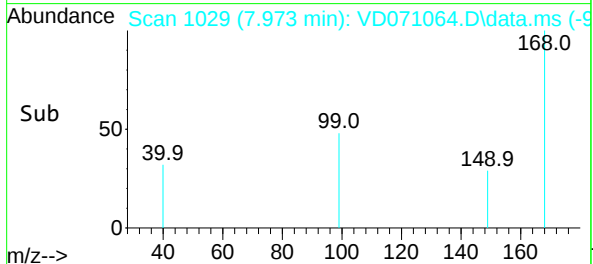
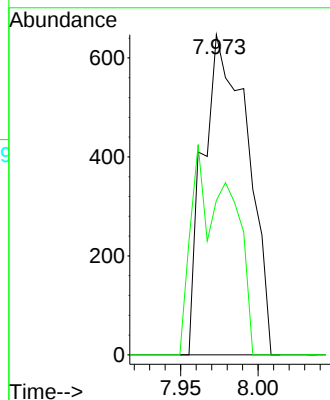
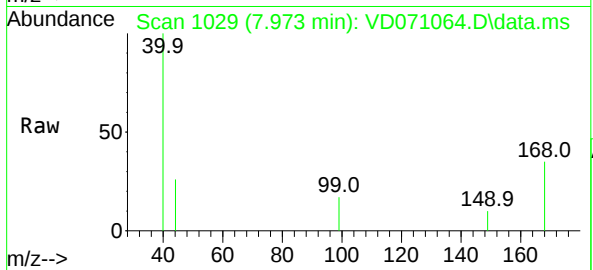




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071064.D
Acq: 19 Nov 2021 18:45

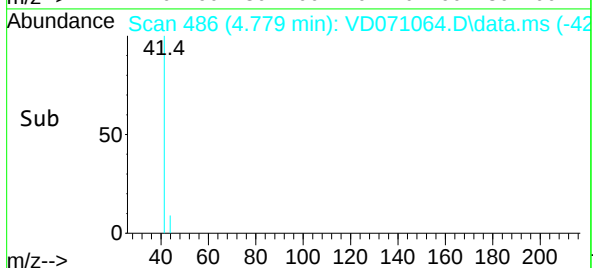
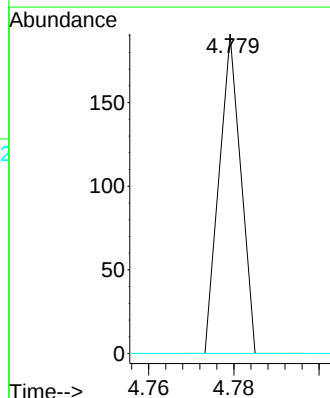
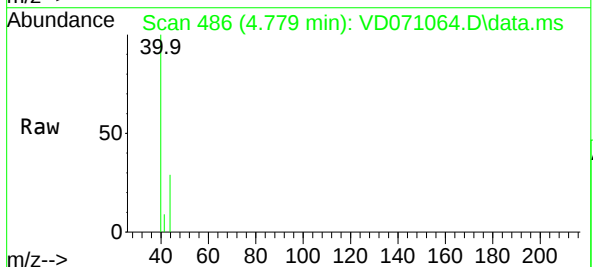
Instrument :
MSVOA_D
ClientSampleId :

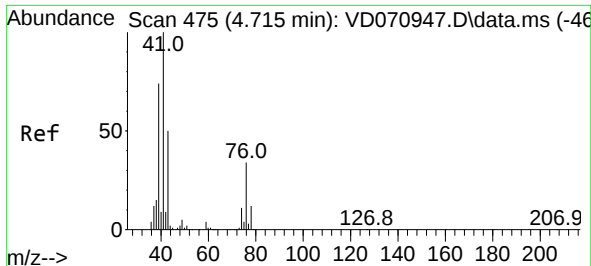
Tgt Ion:168 Resp: 1294
Ion Ratio Lower Upper
168 100
99 48.2 46.6 69.8



#14
Allyl chloride
Concen: 2.618 ug/l
RT: 4.779 min Scan# 486
Delta R.T. 0.064 min
Lab File: VD071064.D
Acq: 19 Nov 2021 18:45

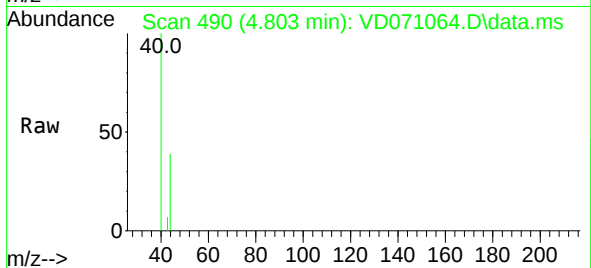
Tgt Ion: 41 Resp: 67
Ion Ratio Lower Upper
41 100
39 0.0 45.6 68.4#
76 0.0 30.2 45.4#



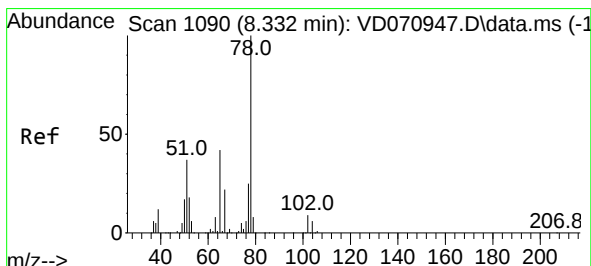
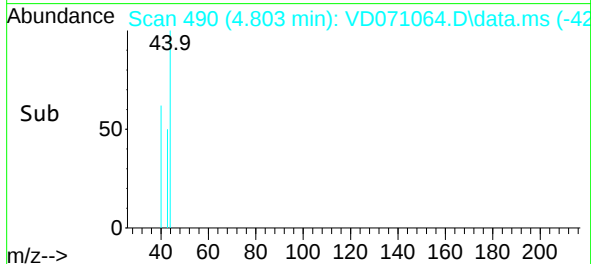
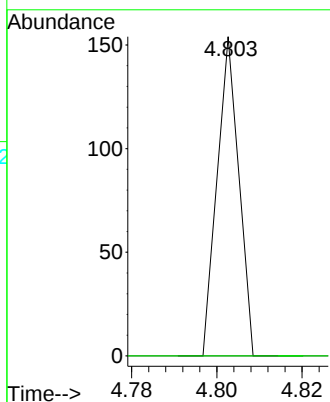


#18
Methyl Acetate
Concen: 4.569 ug/l
RT: 4.803 min Scan# 490
Delta R.T. 0.088 min
Lab File: VD071064.D
Acq: 19 Nov 2021 18:45

Instrument :
MSVOA_D
ClientSampleId :

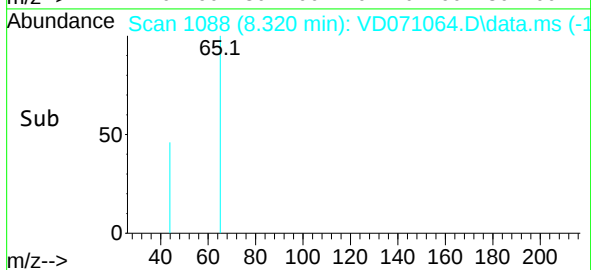
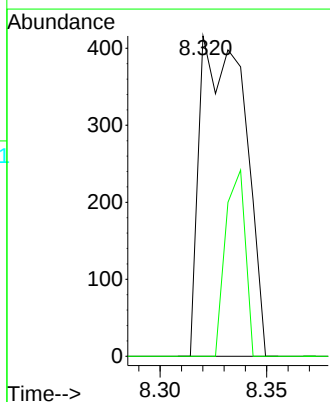
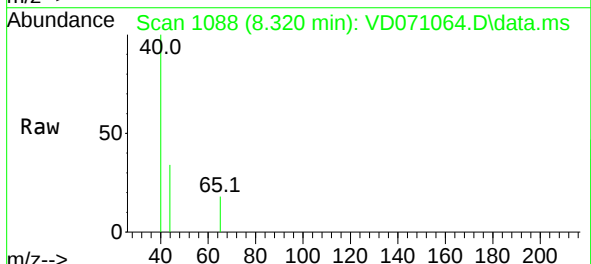


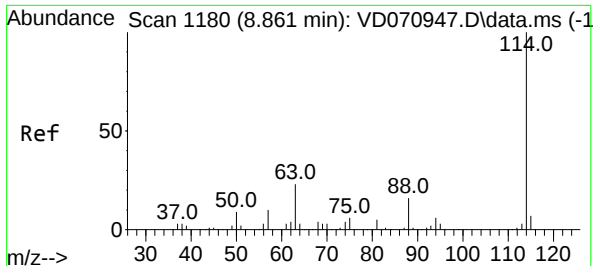
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



#33
1,2-Dichloroethane-d4
Concen: 44.421 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.012 min
Lab File: VD071064.D
Acq: 19 Nov 2021 18:45

Tgt Ion: 65 Resp: 612
Ion Ratio Lower Upper
65 100
67 25.5 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

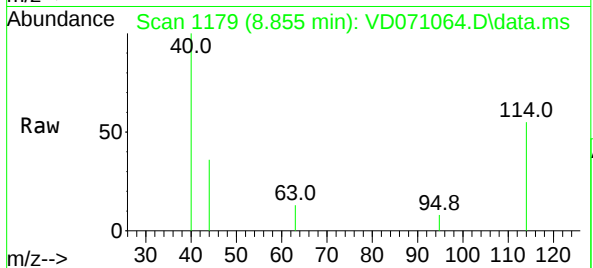
Lab File: VD071064.D

Acq: 19 Nov 2021 18:45

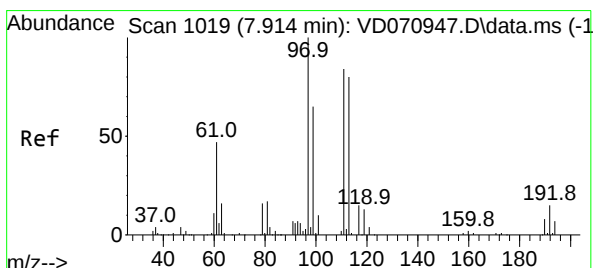
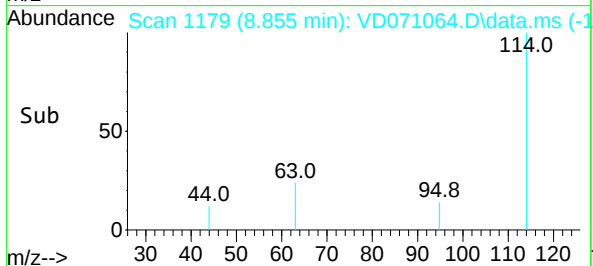
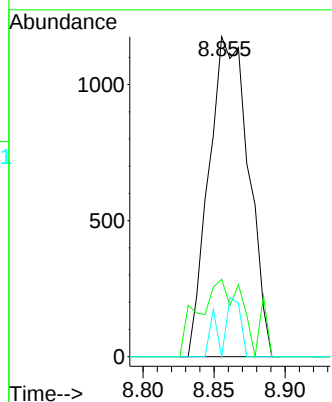
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:114	Resp:	2284
Ion Ratio	Lower	Upper
114	100	
63	24.2	0.0 41.8
88	0.0	0.0 32.8



#35

Dibromofluoromethane

Concen: 42.287 ug/l

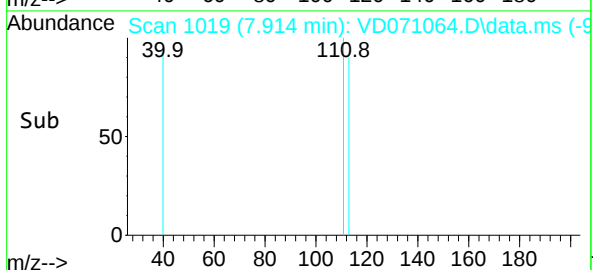
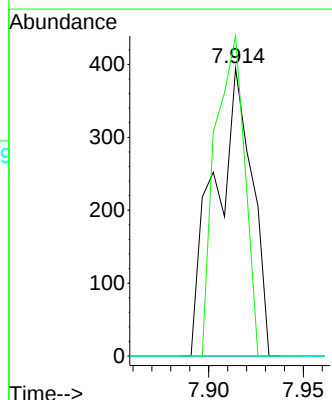
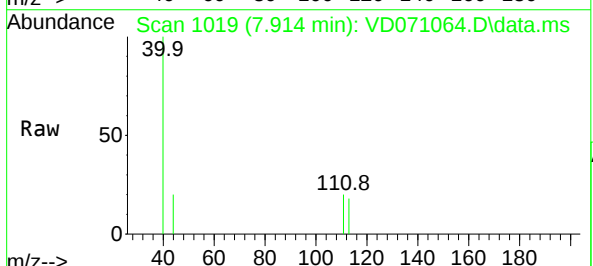
RT: 7.914 min Scan# 1019

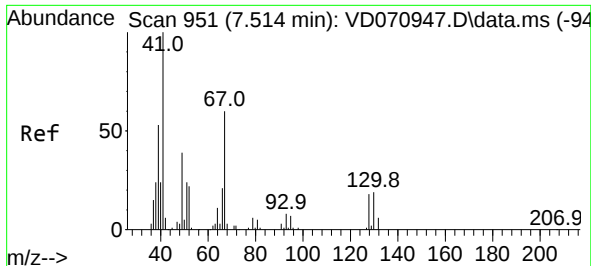
Delta R.T. 0.000 min

Lab File: VD071064.D

Acq: 19 Nov 2021 18:45

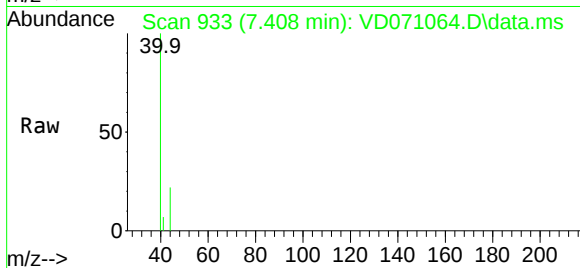
Tgt Ion:113	Resp:	545
Ion Ratio	Lower	Upper
113	100	
111	86.4	82.0 123.0
192	0.0	15.2 22.8



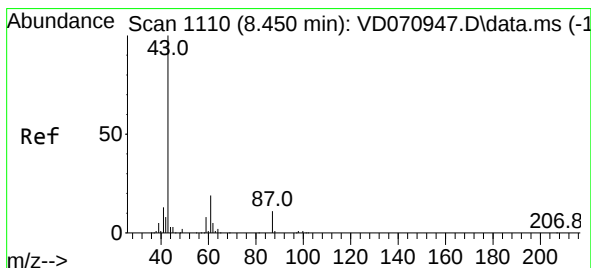
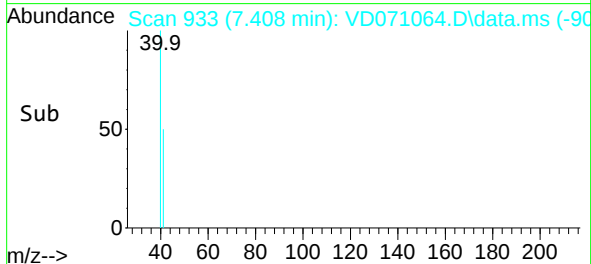
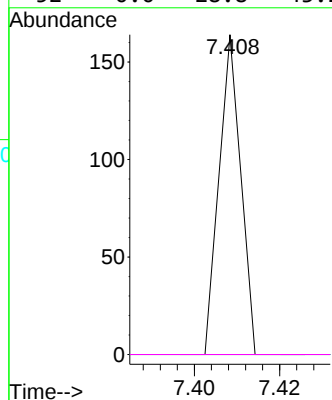


#41
Methacrylonitrile
Concen: 11.401 ug/l
RT: 7.408 min Scan# 91
Delta R.T. -0.106 min
Lab File: VD071064.D
Acq: 19 Nov 2021 18:45

Instrument :
MSVOA_D
ClientSampleId :

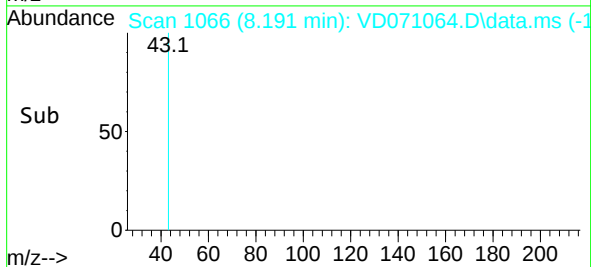
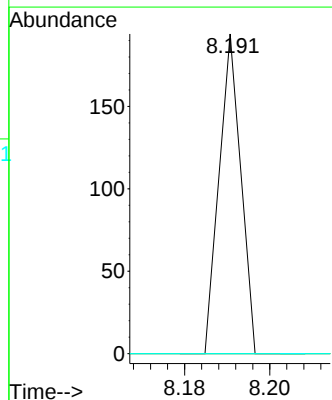
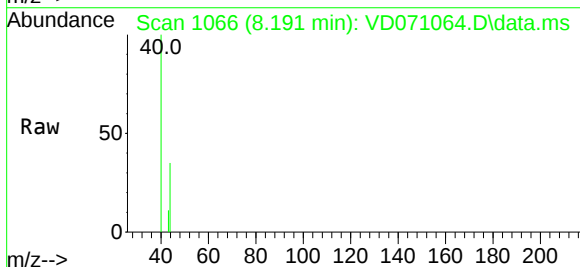


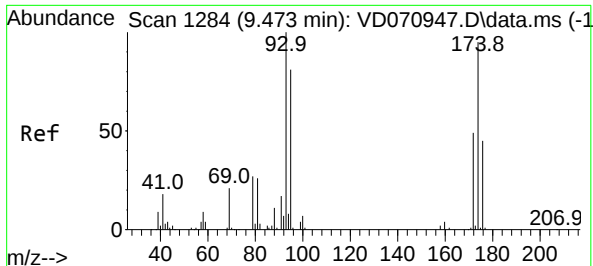
Tgt Ion: 41	Resp: 58
Ion Ratio	Lower Upper
41 100	
39 0.0	60.2 90.4#
67 0.0	74.8 112.2#
52 0.0	28.8 43.2#



#43
Isopropyl Acetate
Concen: 3.454 ug/l
RT: 8.191 min Scan# 1066
Delta R.T. -0.259 min
Lab File: VD071064.D
Acq: 19 Nov 2021 18:45

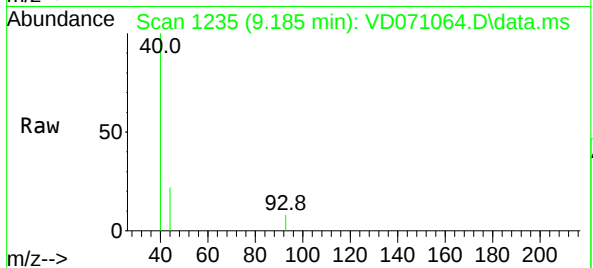
Tgt Ion: 43	Resp: 68		
Ion Ratio	Lower	Upper	
43 100			
61 0.0	28.2	42.4#	
87 0.0	10.7	16.1#	



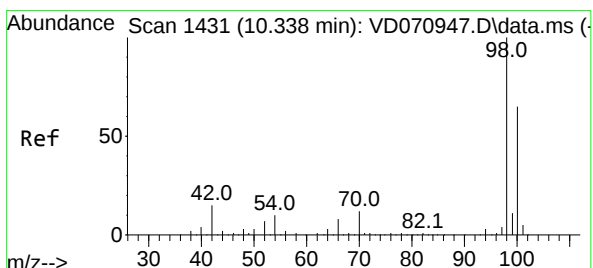
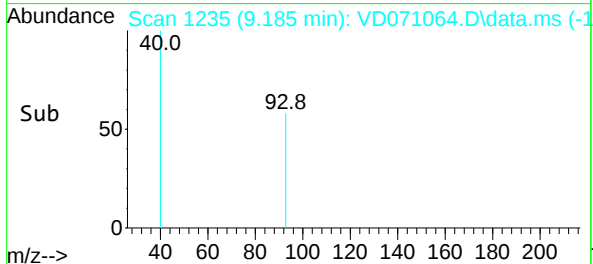
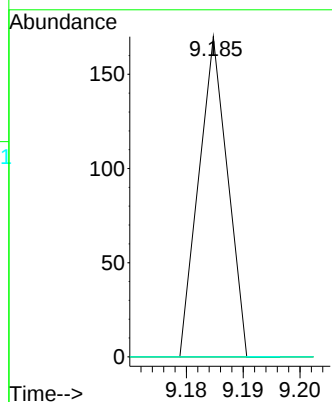


#46
Dibromomethane
Concen: 8.116 ug/l
RT: 9.185 min Scan# 11
Delta R.T. -0.288 min
Lab File: VD071064.D
Acq: 19 Nov 2021 18:45

Instrument :
MSVOA_D
ClientSampleId :

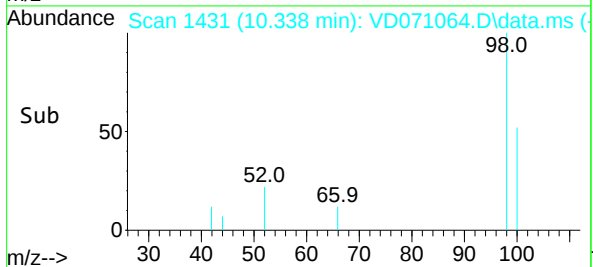
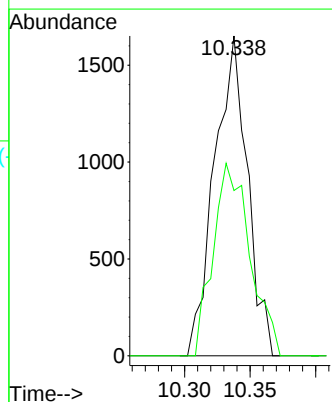
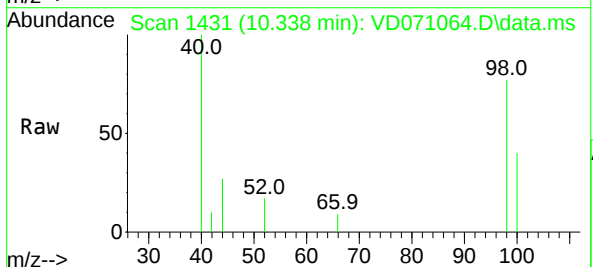


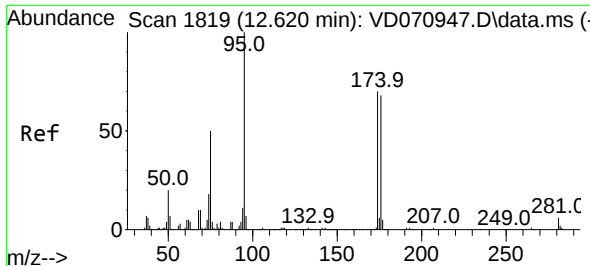
Tgt Ion: 93 Resp: 60
Ion Ratio Lower Upper
93 100
95 0.0 66.1 99.1#
174 0.0 78.6 117.8#



#50
Toluene-d8
Concen: 56.941 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071064.D
Acq: 19 Nov 2021 18:45

Tgt Ion: 98 Resp: 2874
Ion Ratio Lower Upper
98 100
100 67.8 51.8 77.6

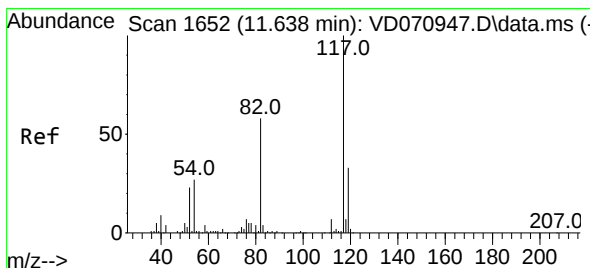
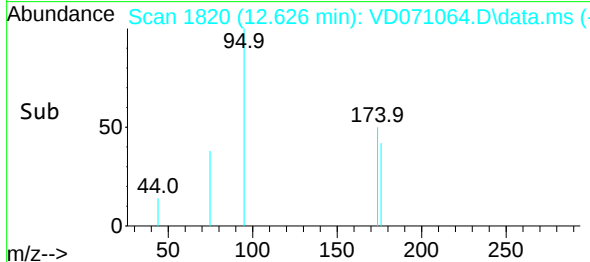
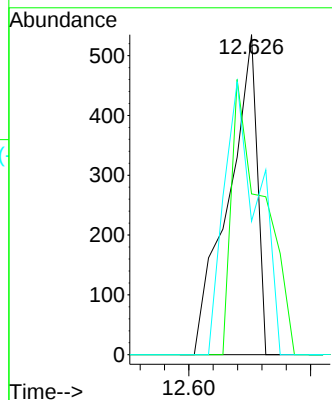
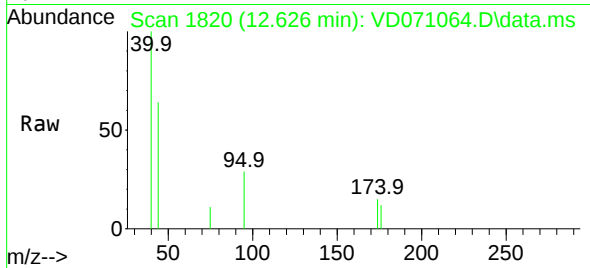




#62
4-Bromofluorobenzene
Concen: 24.046 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD071064.D
Acq: 19 Nov 2021 18:45

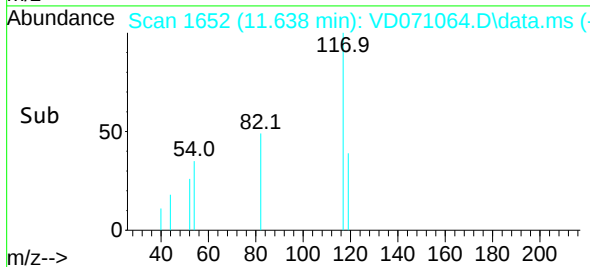
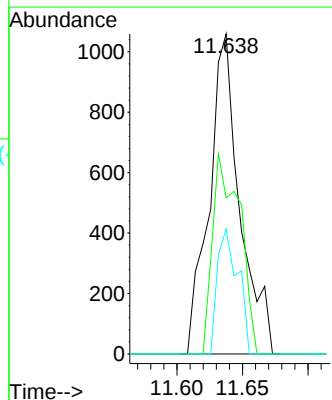
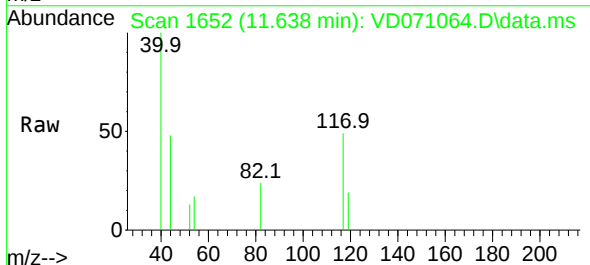
Instrument :
MSVOA_D
ClientSampleId :

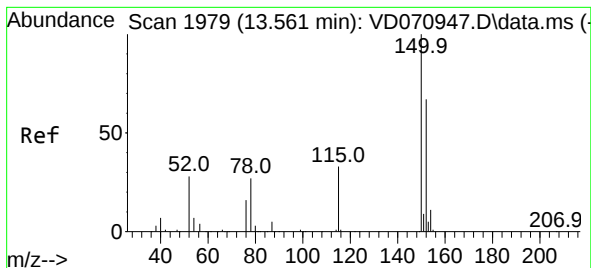
Tgt Ion: 95 Resp: 437
Ion Ratio Lower Upper
95 100
174 93.8 0.0 159.4
176 101.1 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071064.D
Acq: 19 Nov 2021 18:45

Tgt Ion: 117 Resp: 1721
Ion Ratio Lower Upper
117 100
82 48.7 44.7 67.1
119 39.0 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.567 min Scan# 1819

Delta R.T. 0.006 min

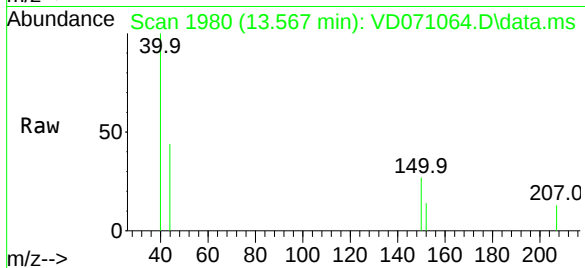
Lab File: VD071064.D

Acq: 19 Nov 2021 18:45

Instrument :

MSVOA_D

ClientSampleId :



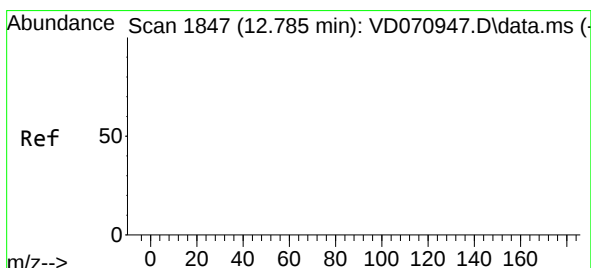
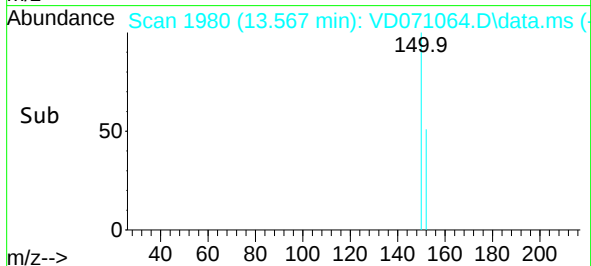
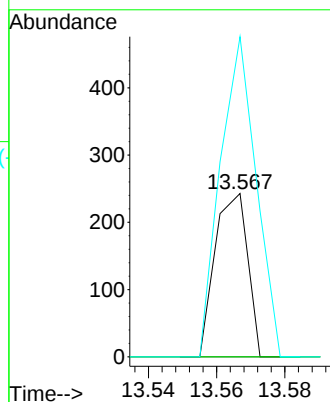
Tgt Ion:152 Resp: 161

Ion Ratio Lower Upper

152 100

115 0.0 29.8 89.3#

150 215.5 0.0 349.2



#76

1,2,3-Trichloropropane

Concen: 210.868 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.165 min

Lab File: VD071064.D

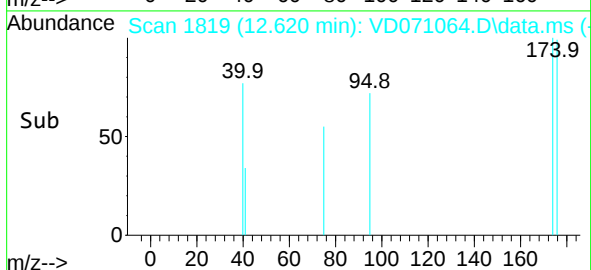
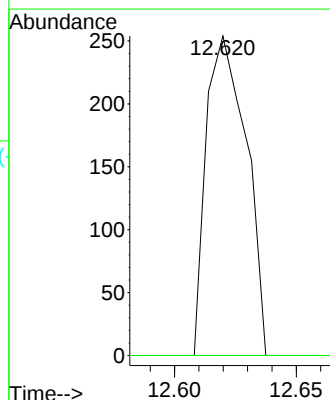
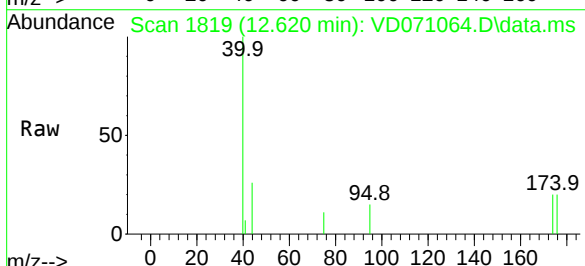
Acq: 19 Nov 2021 18:45

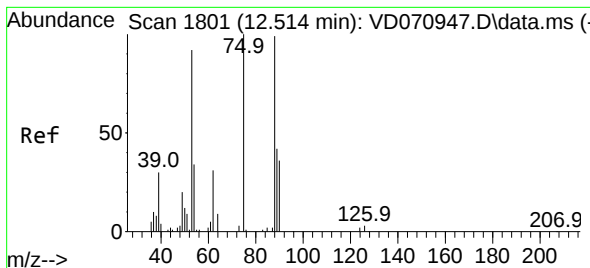
Tgt Ion: 75 Resp: 290

Ion Ratio Lower Upper

75 100

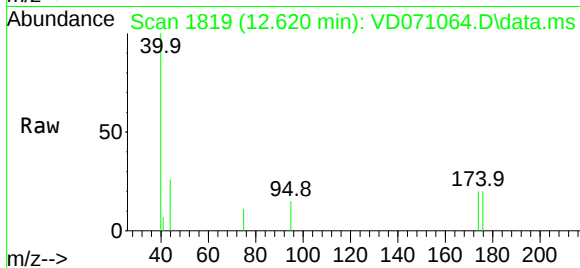
77 0.0 158.4 475.3#



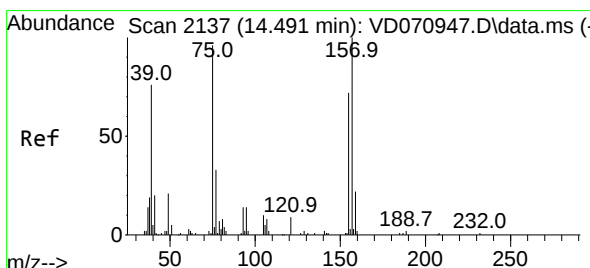
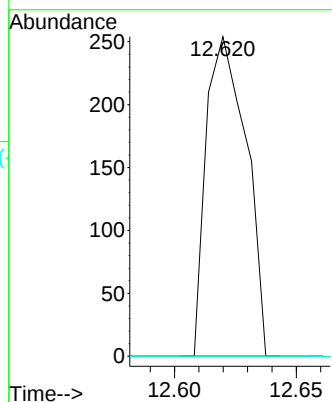
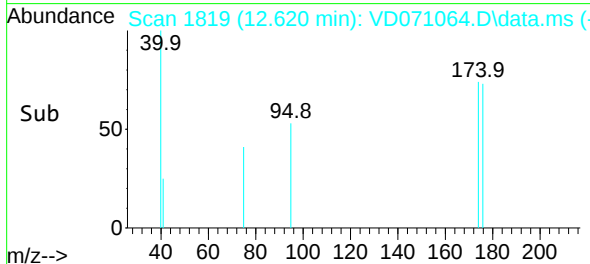


#81
 trans-1,4-Dichloro-2-butene
 Concen: 382.299 ug/l
 RT: 12.620 min Scan# 1801
 Delta R.T. 0.106 min
 Lab File: VD071064.D
 Acq: 19 Nov 2021 18:45

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 290
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.0 34.5 51.7#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 186.302 ug/l
 RT: 14.696 min Scan# 2172
 Delta R.T. 0.205 min
 Lab File: VD071064.D
 Acq: 19 Nov 2021 18:45

Tgt Ion: 75 Resp: 61
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.0 120.0#
 157 0.0 49.8 149.3#

