

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111521\
 Data File : VD071030.D
 Acq On : 15 Nov 2021 16:12
 Operator : VA/SY
 Sample : M4651-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 16 03:21:49 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)

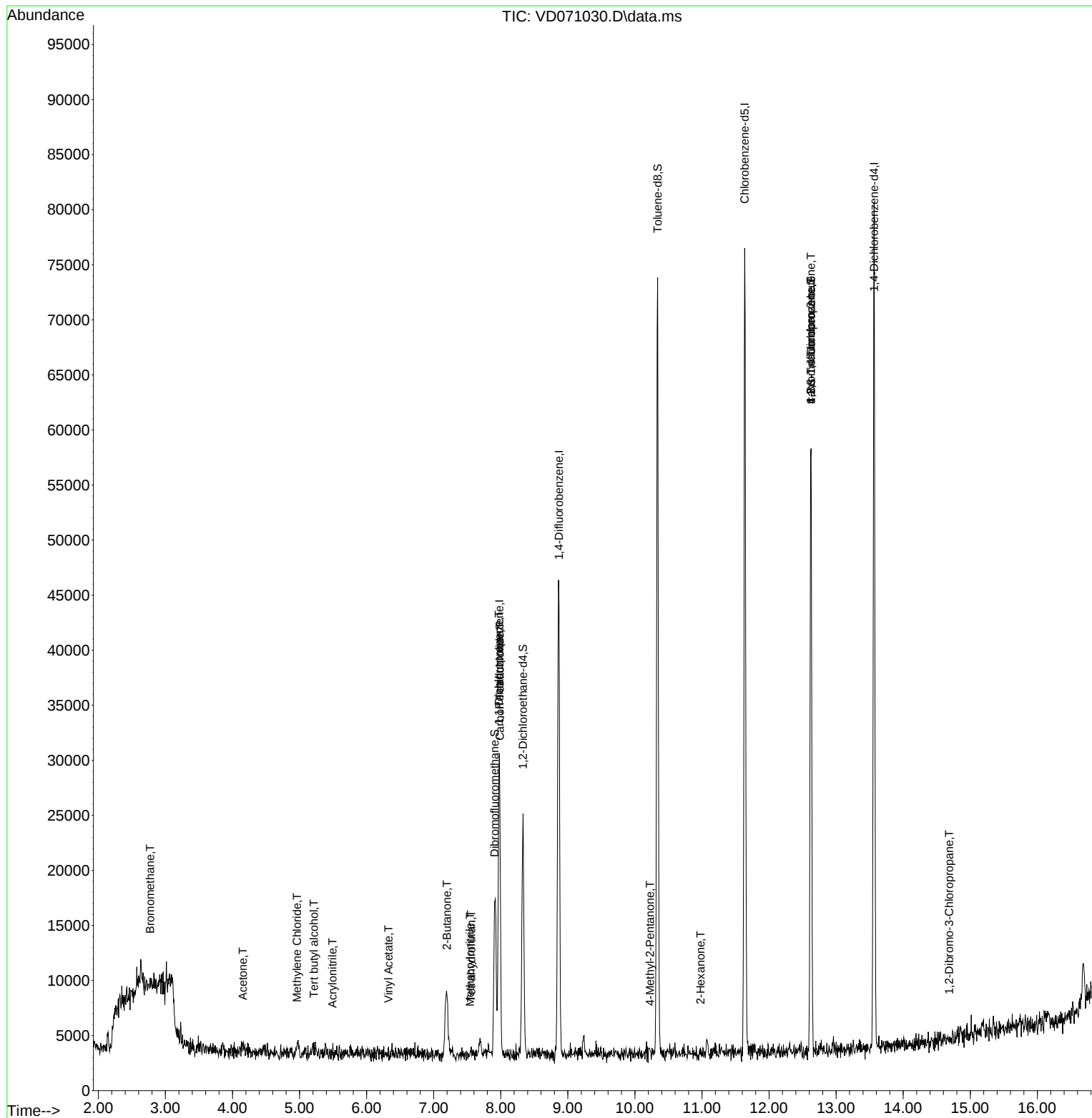
Internal Standards						
1) Pentafluorobenzene	7.979	168	19313	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.867	114	36051	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	38340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	18900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	15787	76.775	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 153.560%	
35) Dibromofluoromethane	7.908	113	10604	52.126	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.260%	
50) Toluene-d8	10.337	98	45267	56.820	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 113.640%	
62) 4-Bromofluorobenzene	12.625	95	18432	64.256	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 128.520%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	395	3.069	ug/l	# 3
11) Tert butyl alcohol	5.214	59	150	9.981	ug/l	# 71
15) Acrylonitrile	5.491	53	56	1.164	ug/l	# 19
16) Acetone	4.155	43	1375	42.596	ug/l	# 40
20) Methylene Chloride	4.961	84	456	1.539	ug/l	# 30
23) Vinyl Acetate	6.326	43	56	21.109	ug/l	# 72
25) 2-Butanone	7.196	43	167	22.505	ug/l	# 45
29) Tetrahydrofuran	7.561	42	56	1.340	ug/l	# 34
36) 1,1-Dichloropropene	7.973	75	1862	5.785	ug/l	# 41
38) Carbon Tetrachloride	7.985	117	2018	6.808	ug/l	# 12
41) Methacrylonitrile	7.543	41	56	3.987	ug/l	# 7
51) 4-Methyl-2-Pentanone	10.226	43	330	2.190	ug/l	# 34
59) 2-Hexanone	10.979	43	173	17.309	ug/l	# 22
76) 1,2,3-Trichloropropane	12.625	75	10002	61.953	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.625	75	10002	114.689	ug/l	# 18
92) 1,2-Dibromo-3-Chloropr...	14.684	75	60	1.561	ug/l	# 4

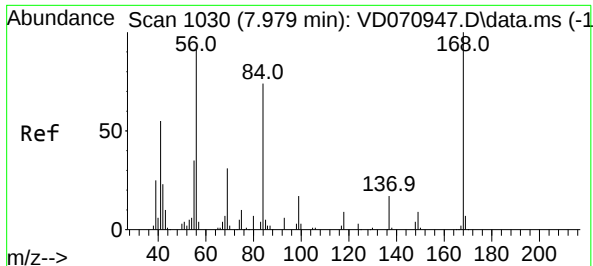
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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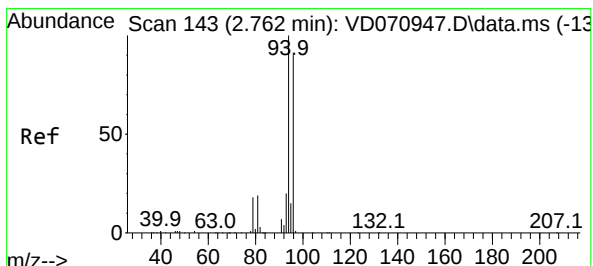
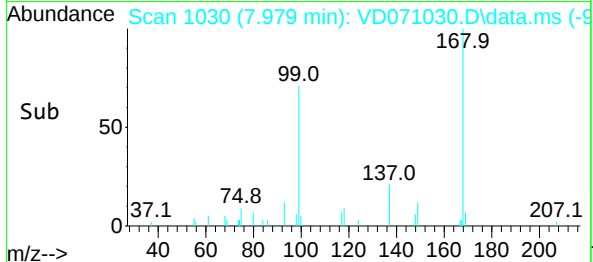
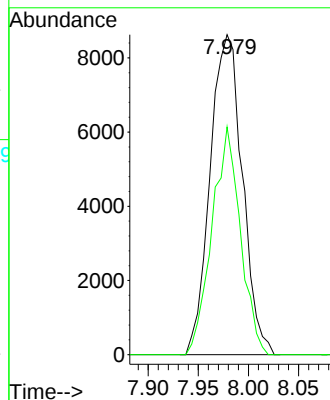
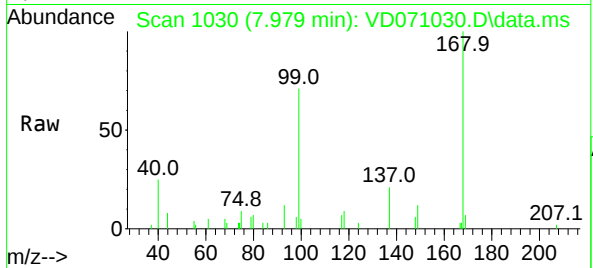




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD071030.D
Acq: 15 Nov 2021 16:12

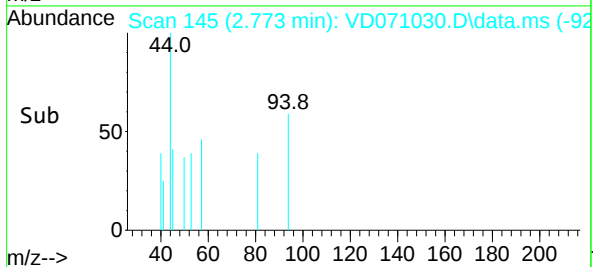
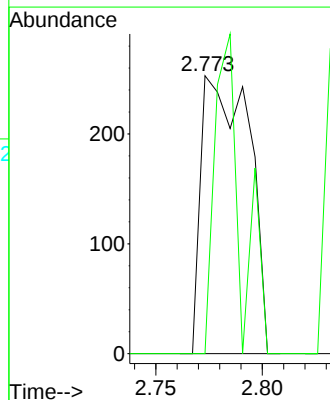
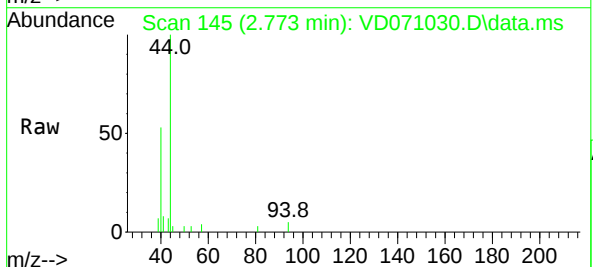
Instrument :
MSVOA_D
ClientSampleId :

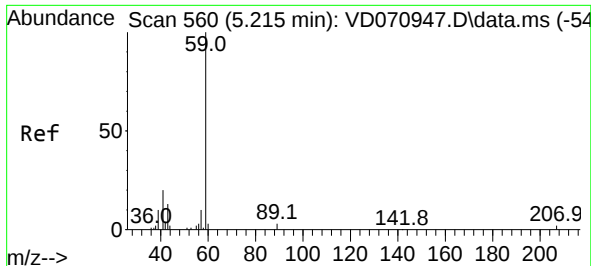
Tgt Ion:168 Resp: 19313
Ion Ratio Lower Upper
168 100
99 71.1 46.6 69.8#



#5
Bromomethane
Concen: 3.069 ug/l
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD071030.D
Acq: 15 Nov 2021 16:12

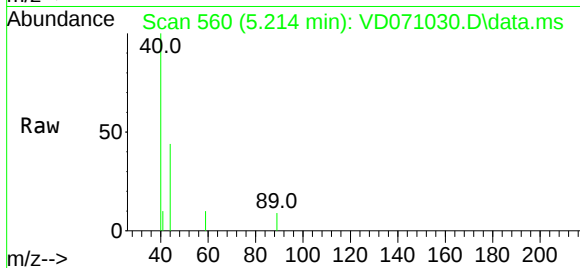
Tgt Ion: 94 Resp: 395
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



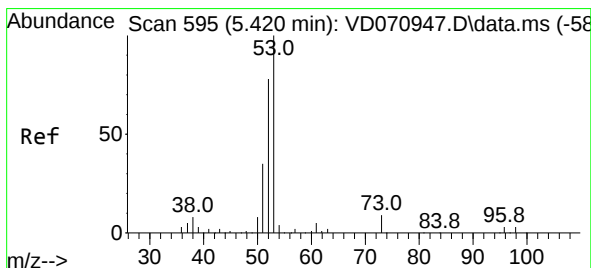
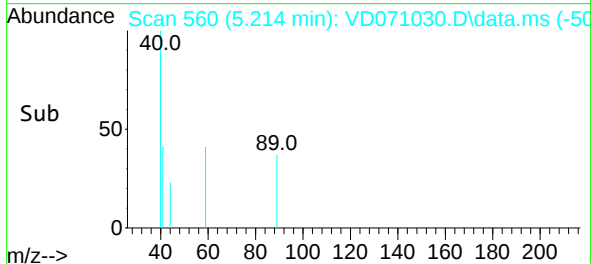
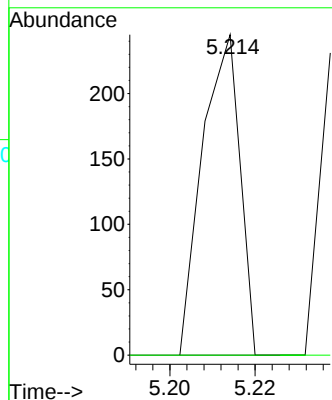


#11
Tert butyl alcohol
Concen: 9.981 ug/l
RT: 5.214 min Scan# 50
Delta R.T. -0.001 min
Lab File: VD071030.D
Acq: 15 Nov 2021 16:12

Instrument :
MSVOA_D
ClientSampleId :

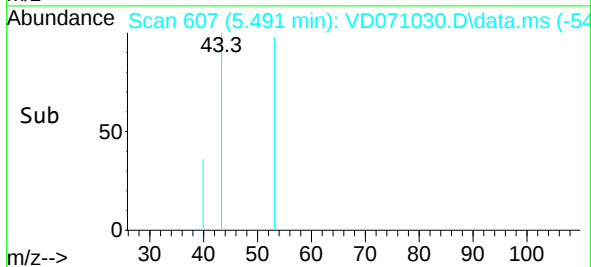
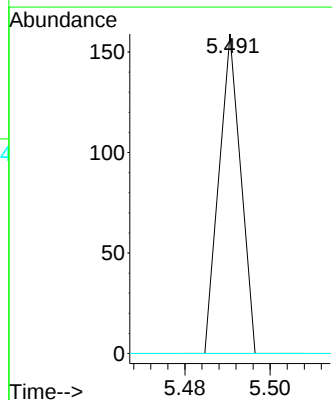
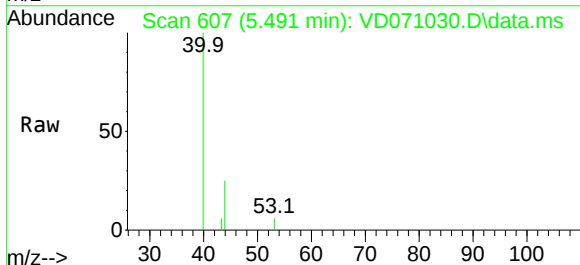


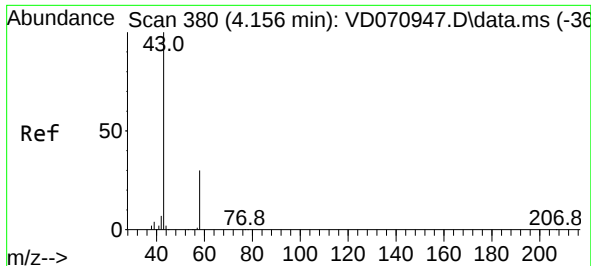
Tgt Ion: 59 Resp: 150
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#15
Acrylonitrile
Concen: 1.164 ug/l
RT: 5.491 min Scan# 607
Delta R.T. 0.071 min
Lab File: VD071030.D
Acq: 15 Nov 2021 16:12

Tgt Ion: 53 Resp: 56
Ion Ratio Lower Upper
53 100
52 0.0 63.8 95.8#
51 0.0 28.5 42.7#

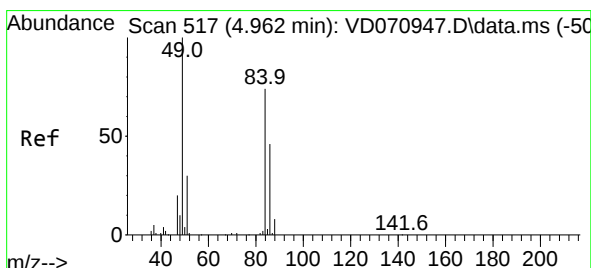
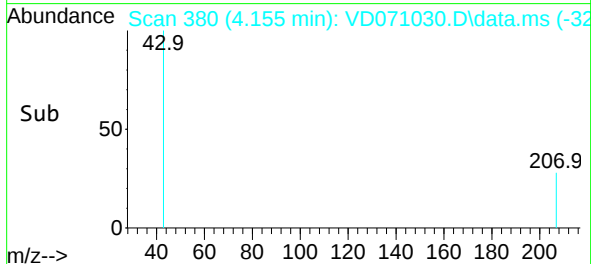
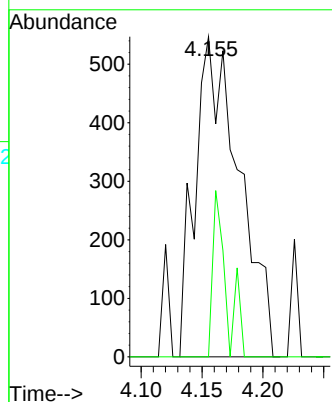
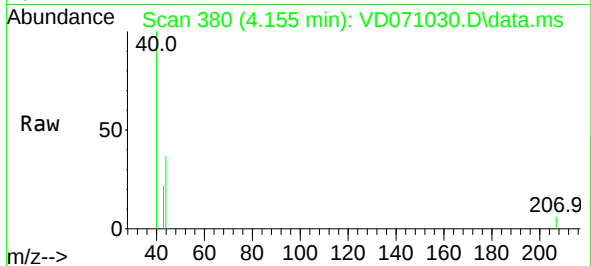




#16
Acetone
Concen: 42.596 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.001 min
Lab File: VD071030.D
Acq: 15 Nov 2021 16:12

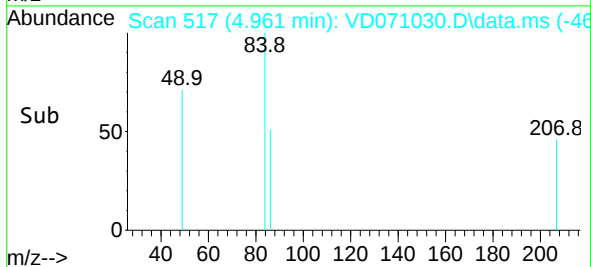
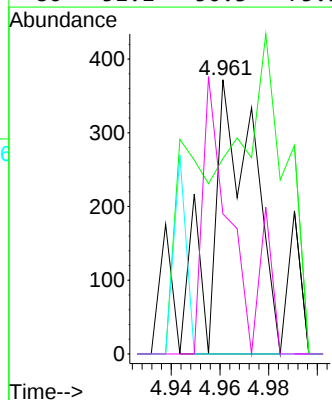
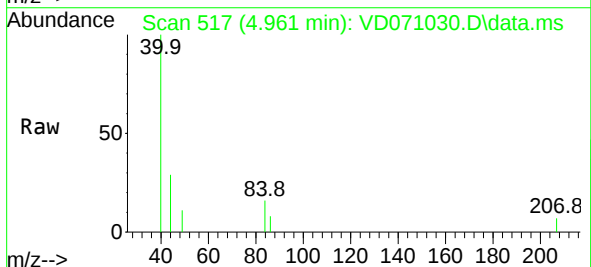
Instrument :
MSVOA_D
ClientSampleId :

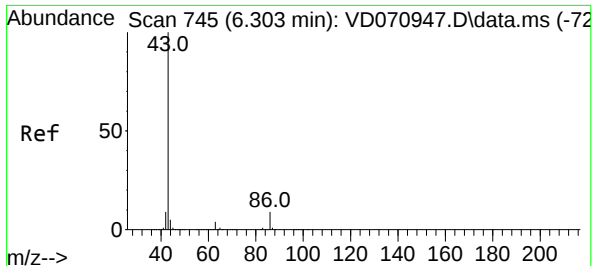
Tgt Ion: 43 Resp: 1375
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#20
Methylene Chloride
Concen: 1.539 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD071030.D
Acq: 15 Nov 2021 16:12

Tgt Ion: 84 Resp: 456
Ion Ratio Lower Upper
84 100
49 7.8 95.8 143.6#
51 0.0 30.9 46.3#
86 51.1 50.3 75.5

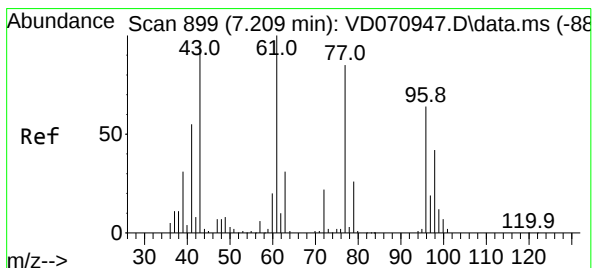
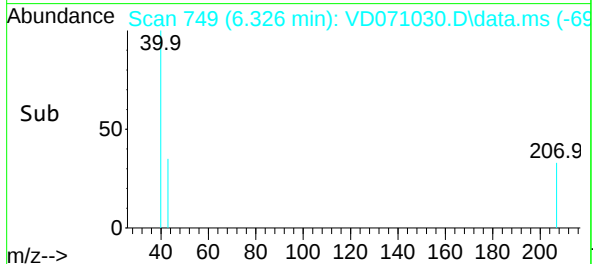
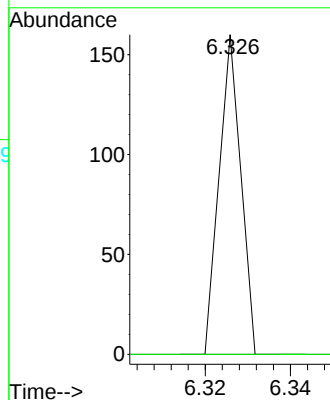
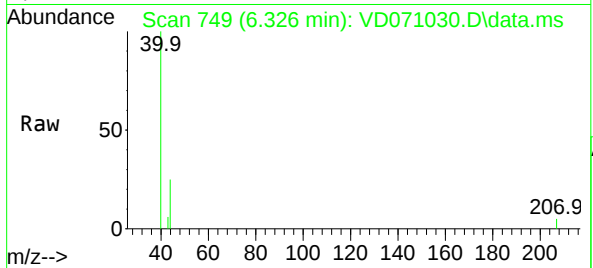




#23
 Vinyl Acetate
 Concen: 21.109 ug/l
 RT: 6.326 min Scan# 745
 Delta R.T. 0.023 min
 Lab File: VD071030.D
 Acq: 15 Nov 2021 16:12

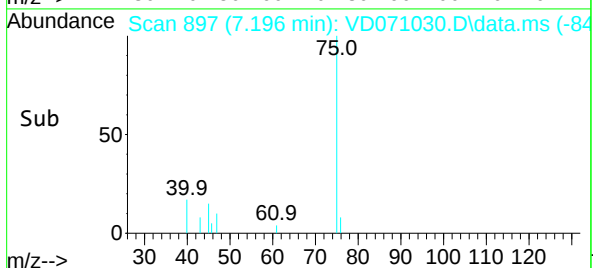
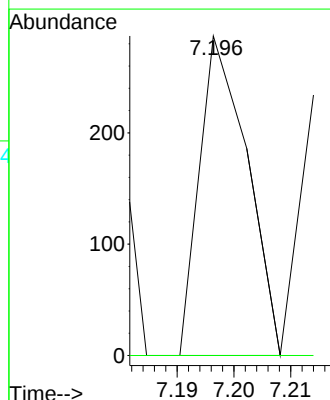
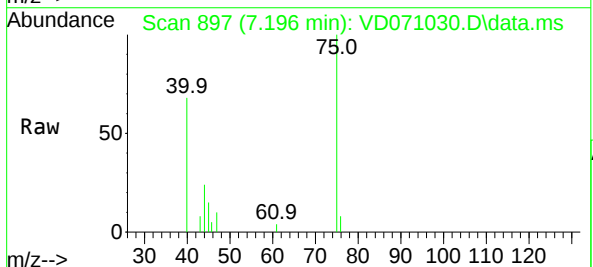
Instrument :
 MSVOA_D
 ClientSampleId :

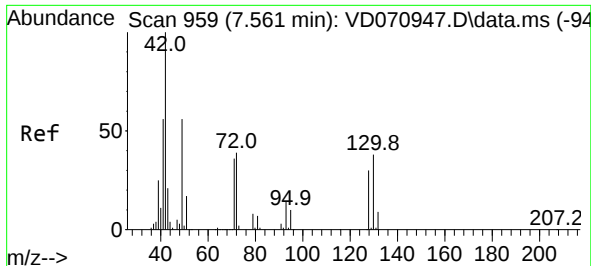
Tgt Ion: 43 Resp: 56
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 22.505 ug/l
 RT: 7.196 min Scan# 897
 Delta R.T. -0.013 min
 Lab File: VD071030.D
 Acq: 15 Nov 2021 16:12

Tgt Ion: 43 Resp: 167
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#29

Tetrahydrofuran

Concen: 1.340 ug/l

RT: 7.561 min Scan# 91

Delta R.T. 0.000 min

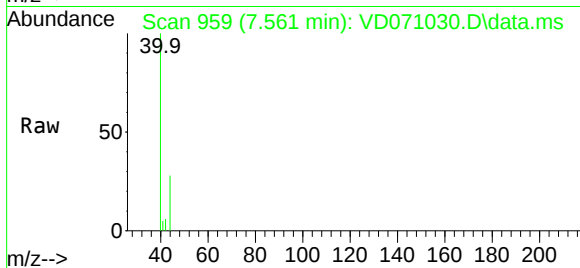
Lab File: VD071030.D

Acq: 15 Nov 2021 16:12

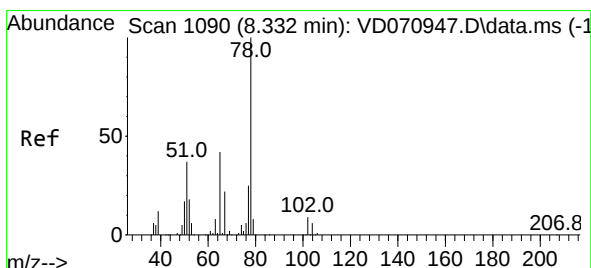
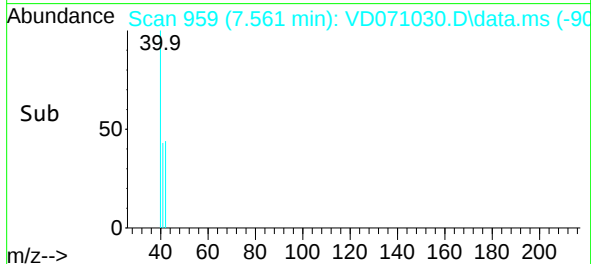
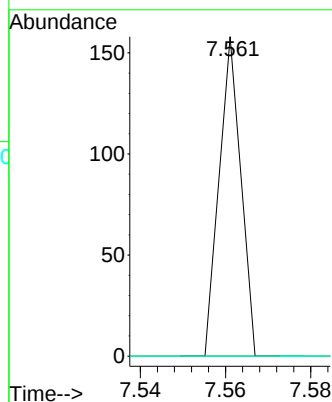
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	56
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	0.0	32.7	49.1#



#33

1,2-Dichloroethane-d4

Concen: 76.775 ug/l

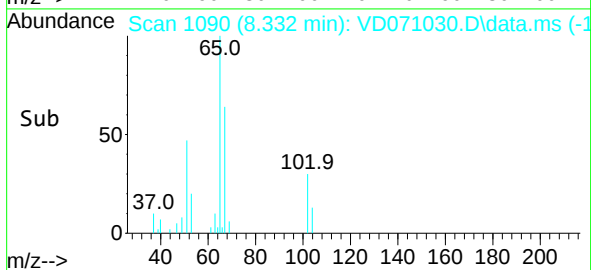
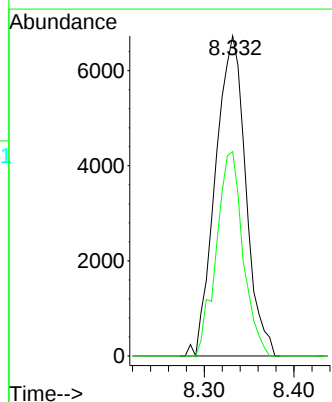
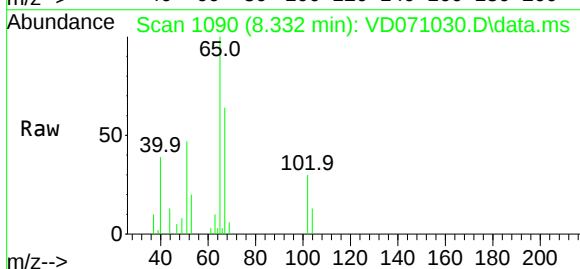
RT: 8.332 min Scan# 1090

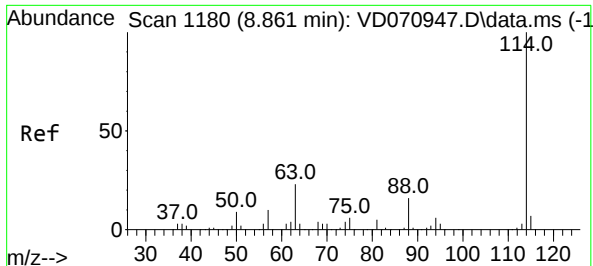
Delta R.T. -0.000 min

Lab File: VD071030.D

Acq: 15 Nov 2021 16:12

Tgt Ion:	65	Resp:	15787
Ion	Ratio	Lower	Upper
65	100		
67	56.1	0.0	112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD071030.D

Acq: 15 Nov 2021 16:12

Instrument :

MSVOA_D

ClientSampleId :

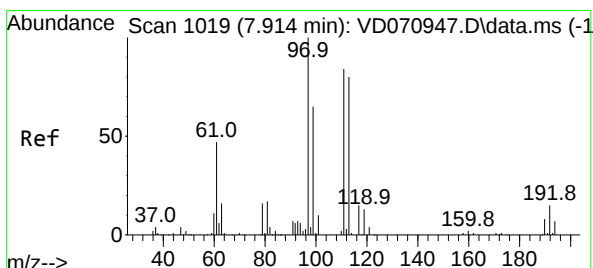
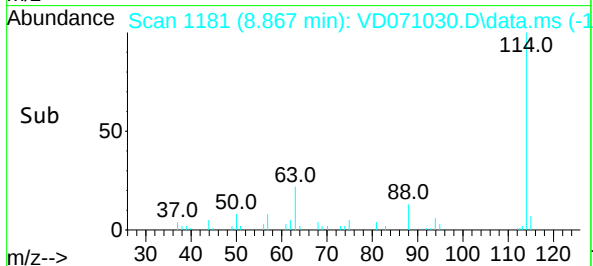
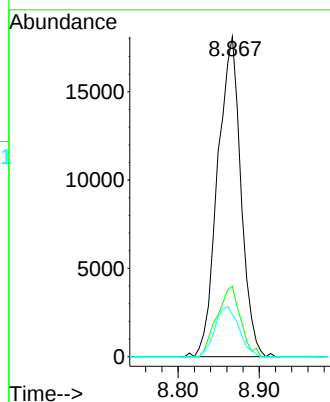
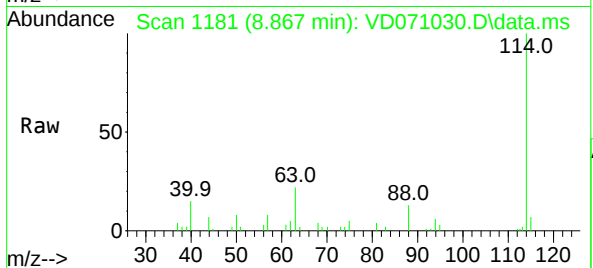
Tgt Ion:114 Resp: 36051

Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.8

88 13.1 0.0 32.8



#35

Dibromofluoromethane

Concen: 52.126 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD071030.D

Acq: 15 Nov 2021 16:12

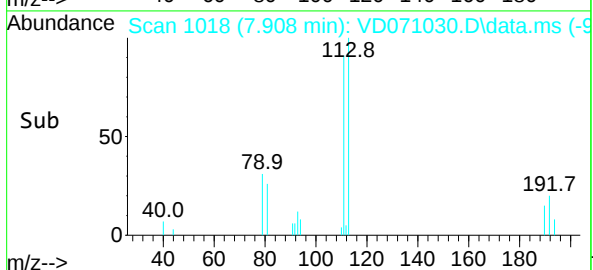
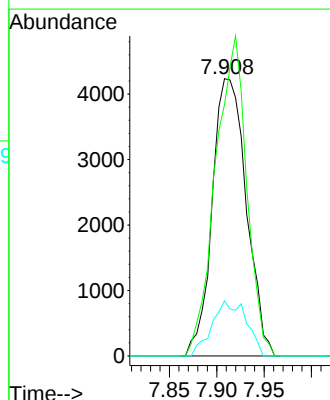
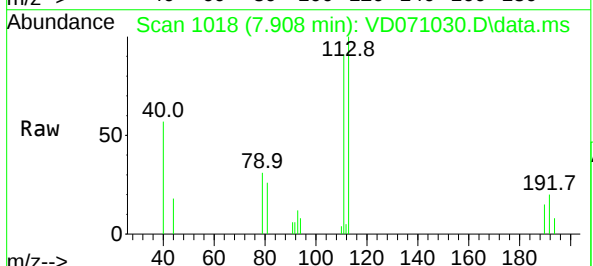
Tgt Ion:113 Resp: 10604

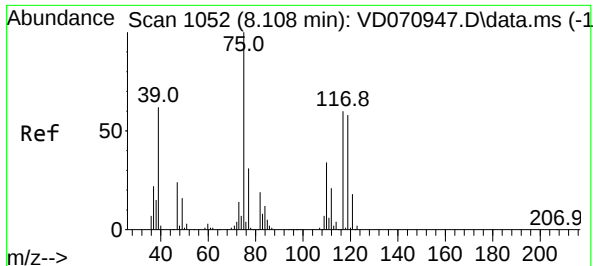
Ion Ratio Lower Upper

113 100

111 105.6 82.0 123.0

192 20.0 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.785 ug/l

RT: 7.973 min Scan# 1031

Delta R.T. -0.135 min

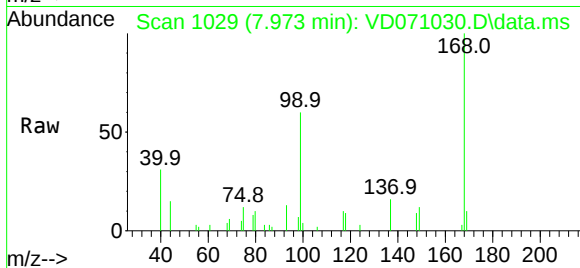
Lab File: VD071030.D

Acq: 15 Nov 2021 16:12

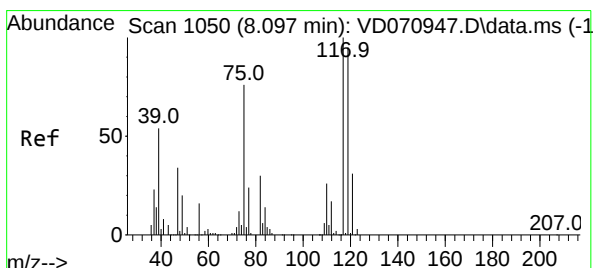
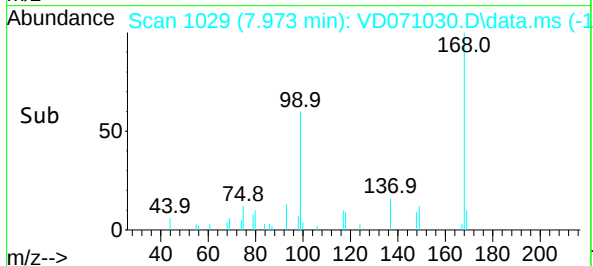
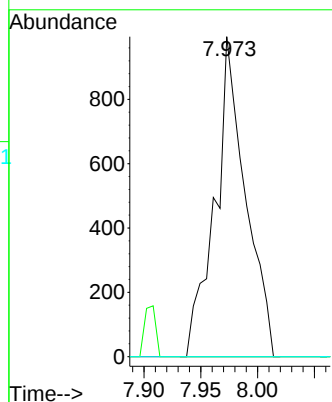
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 1862
Ion Ratio	Lower Upper
75	100
110	0.0 17.8 53.4#
77	0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.808 ug/l

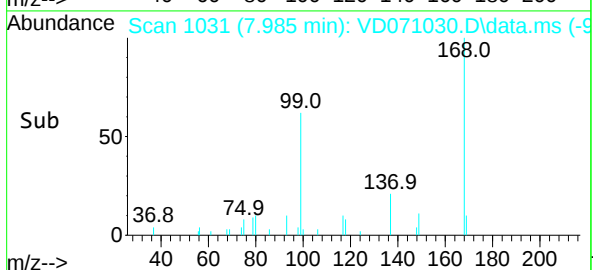
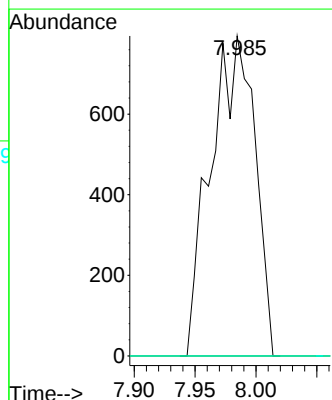
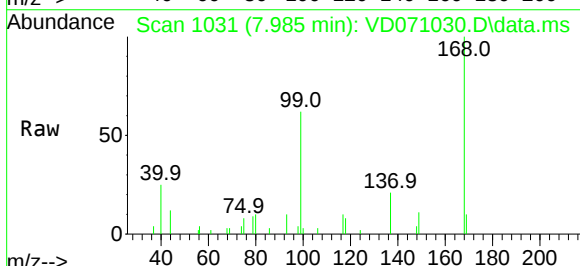
RT: 7.985 min Scan# 1031

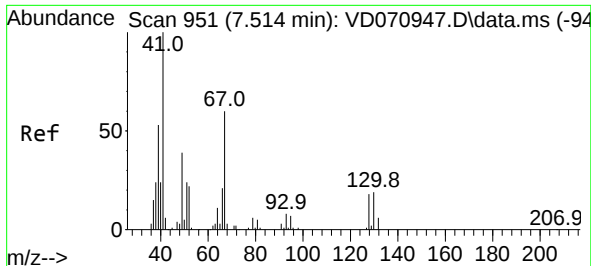
Delta R.T. -0.112 min

Lab File: VD071030.D

Acq: 15 Nov 2021 16:12

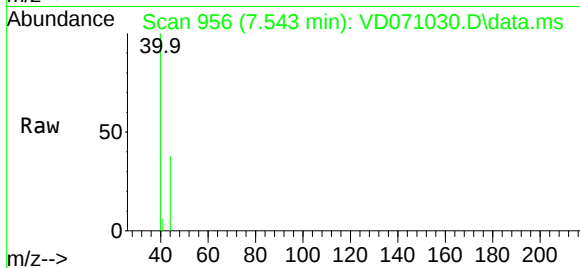
Tgt Ion: 117	Resp: 2018
Ion Ratio	Lower Upper
117	100
119	0.0 75.8 113.6#
121	0.0 23.6 35.4#



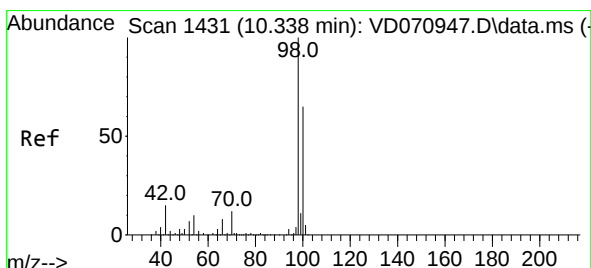
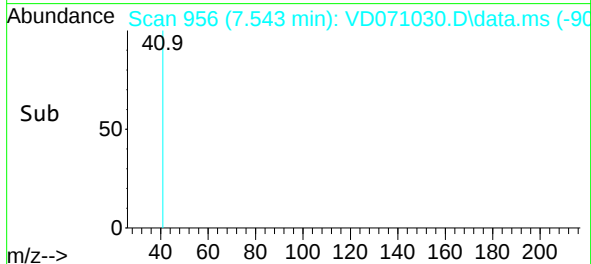
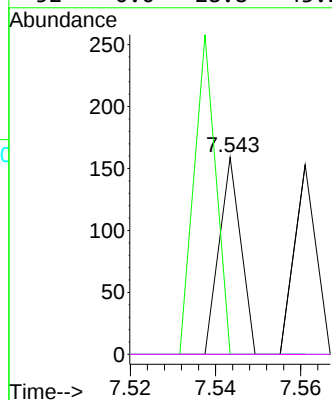


#41
Methacrylonitrile
Concen: 3.987 ug/l
RT: 7.543 min Scan# 91
Delta R.T. 0.029 min
Lab File: VD071030.D
Acq: 15 Nov 2021 16:12

Instrument :
MSVOA_D
ClientSampleId :

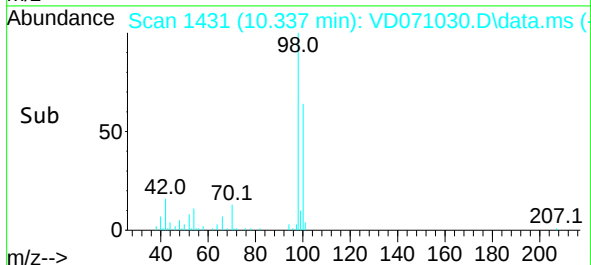
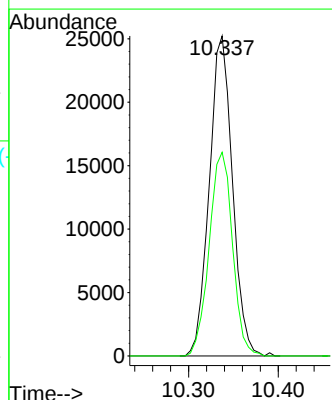
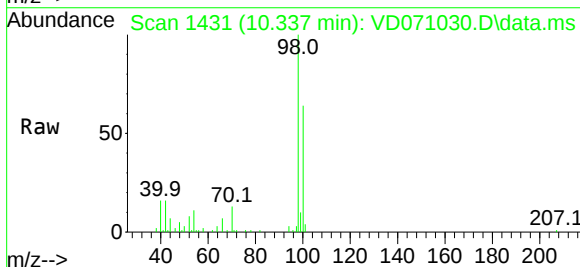


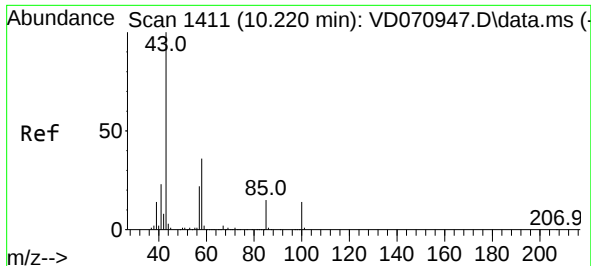
Tgt Ion:	41	Resp:	56
Ion	Ratio	Lower	Upper
41	100		
39	162.5	60.2	90.4#
67	0.0	74.8	112.2#
52	0.0	28.8	43.2#



#50
Toluene-d8
Concen: 56.820 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.001 min
Lab File: VD071030.D
Acq: 15 Nov 2021 16:12

Tgt Ion:	98	Resp:	45267
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.8	77.6

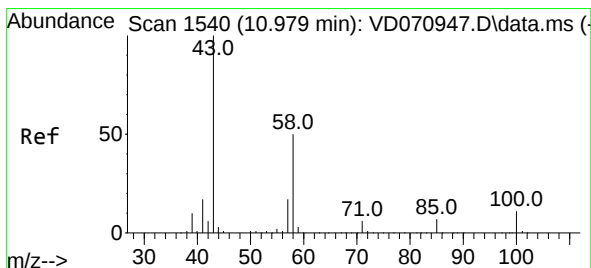
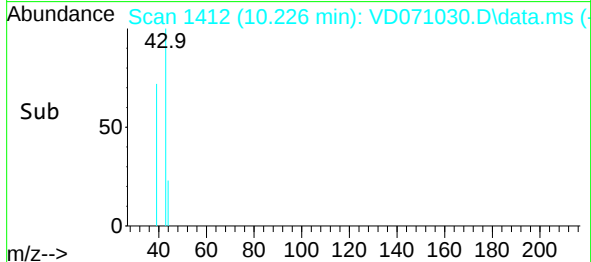
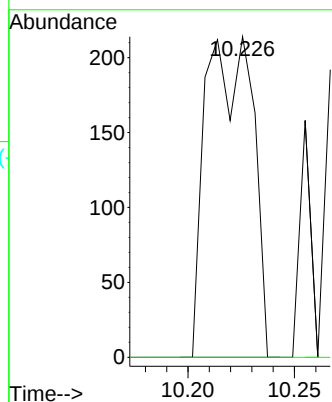
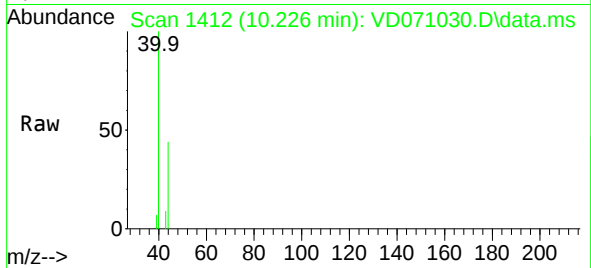




#51
4-Methyl-2-Pentanone
Concen: 2.190 ug/l
RT: 10.226 min Scan# 1411
Delta R.T. 0.006 min
Lab File: VD071030.D
Acq: 15 Nov 2021 16:12

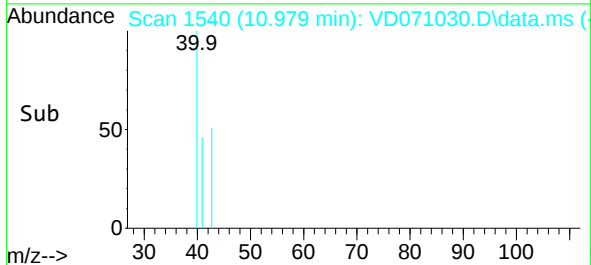
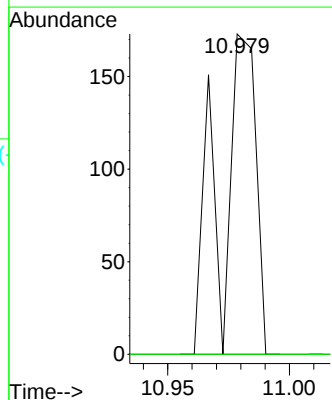
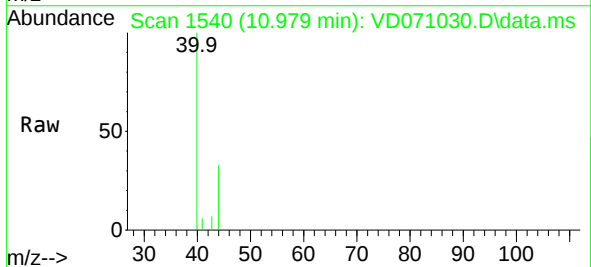
Instrument :
MSVOA_D
ClientSampleId :

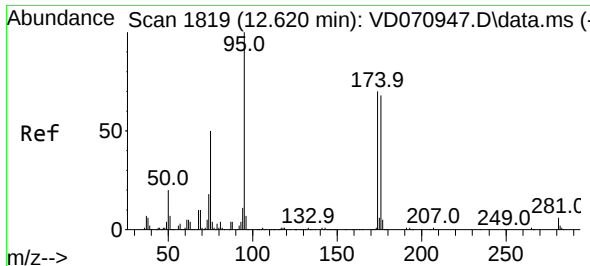
Tgt Ion: 43 Resp: 330
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#59
2-Hexanone
Concen: 17.309 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071030.D
Acq: 15 Nov 2021 16:12

Tgt Ion: 43 Resp: 173
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

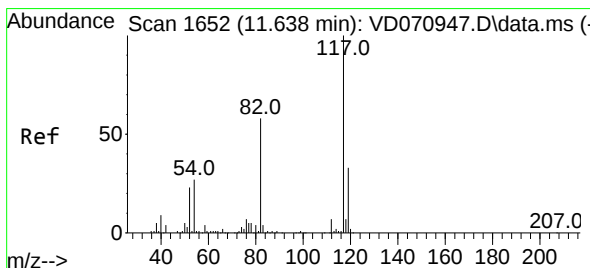
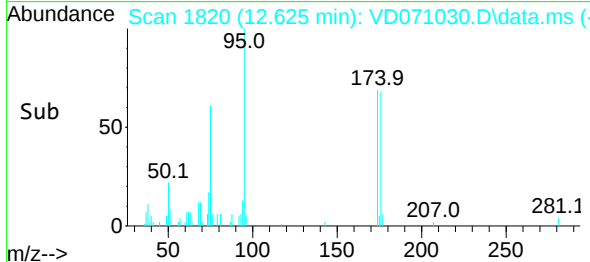
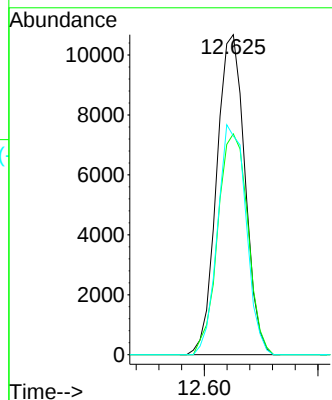
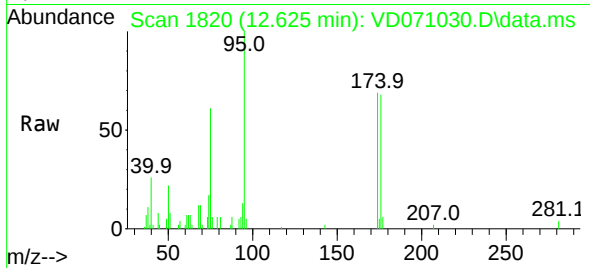




#62
4-Bromofluorobenzene
Concen: 64.256 ug/l
RT: 12.625 min Scan# 1819
Delta R.T. 0.005 min
Lab File: VD071030.D
Acq: 15 Nov 2021 16:12

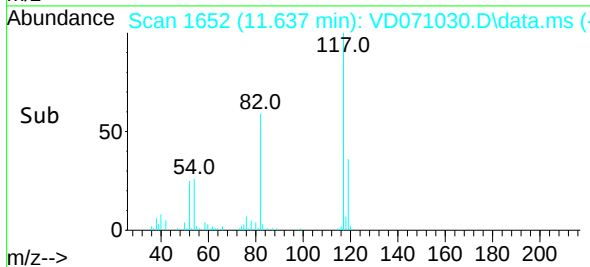
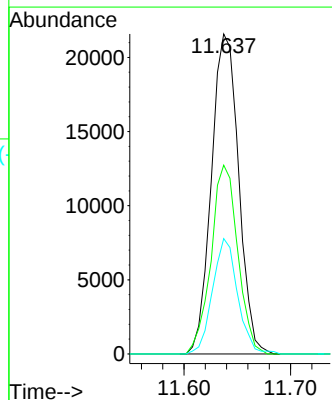
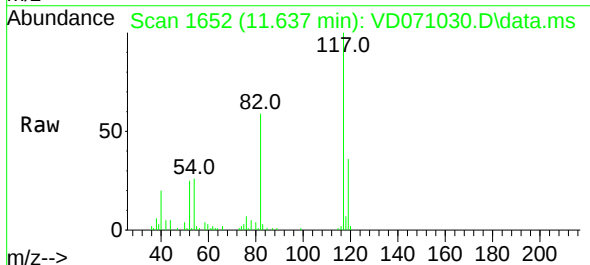
Instrument :
MSVOA_D
ClientSampleId :

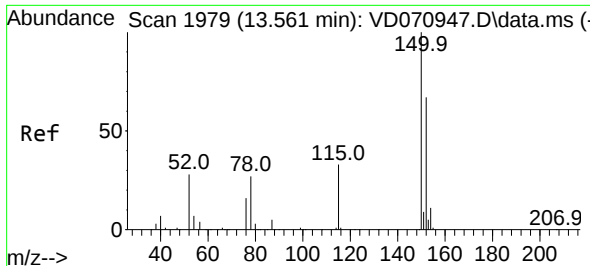
Tgt Ion: 95 Resp: 18432
Ion Ratio Lower Upper
95 100
174 73.5 0.0 159.4
176 72.3 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.001 min
Lab File: VD071030.D
Acq: 15 Nov 2021 16:12

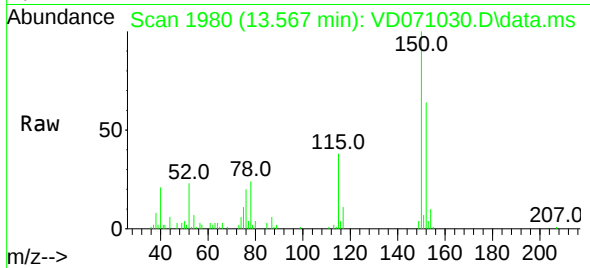
Tgt Ion: 117 Resp: 38340
Ion Ratio Lower Upper
117 100
82 59.0 44.7 67.1
119 36.0 26.2 39.4



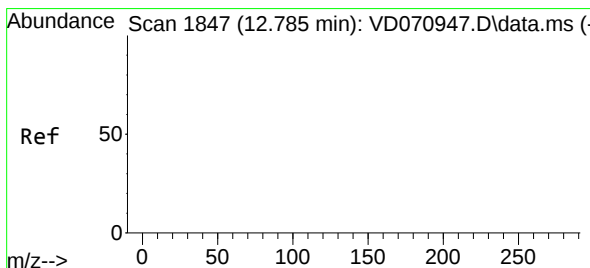
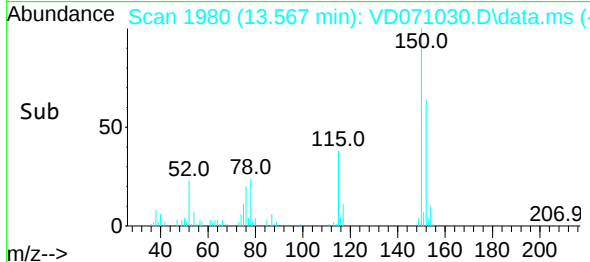
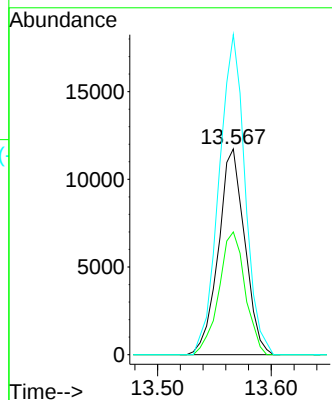


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1979
 Delta R.T. 0.006 min
 Lab File: VD071030.D
 Acq: 15 Nov 2021 16:12

Instrument :
 MSVOA_D
 ClientSampleId :

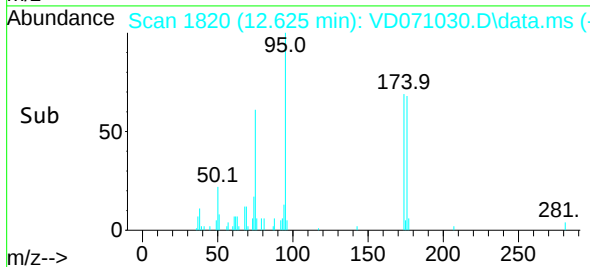
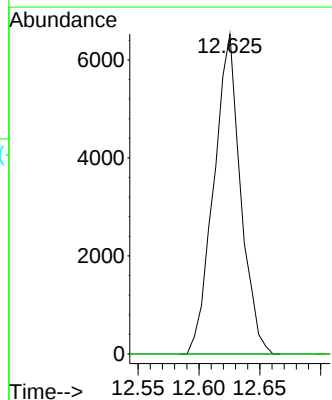
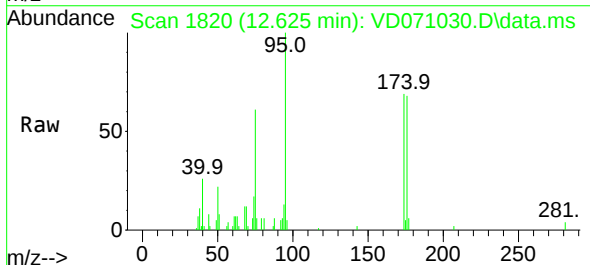


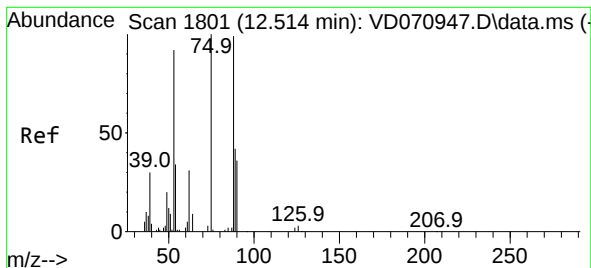
Tgt Ion:152 Resp: 18900
 Ion Ratio Lower Upper
 152 100
 115 59.4 29.8 89.3
 150 153.4 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 61.953 ug/l
 RT: 12.625 min Scan# 1820
 Delta R.T. -0.160 min
 Lab File: VD071030.D
 Acq: 15 Nov 2021 16:12

Tgt Ion: 75 Resp: 10002
 Ion Ratio Lower Upper
 75 100
 77 0.0 158.4 475.3#

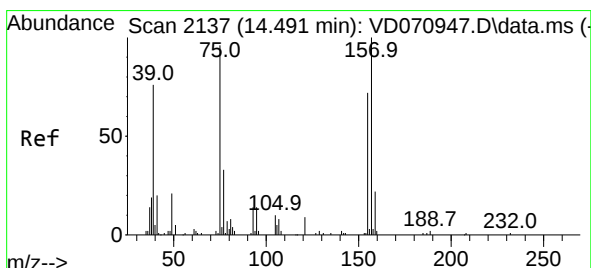
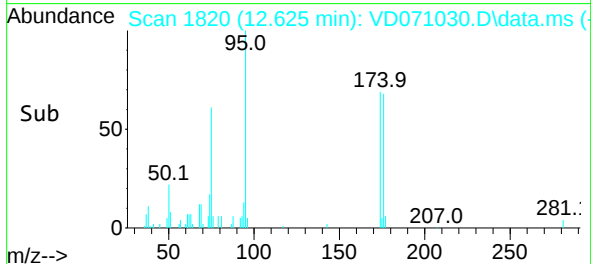
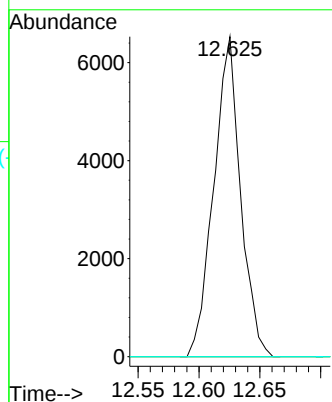
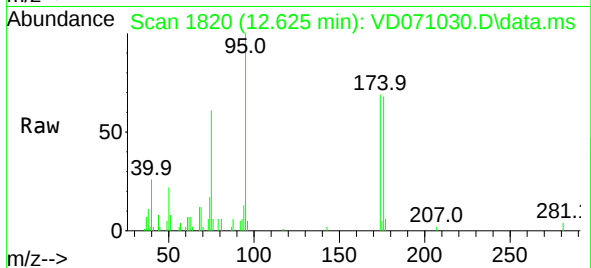




#81
trans-1,4-Dichloro-2-butene
Concen: 114.689 ug/l
RT: 12.625 min Scan# 11
Delta R.T. 0.111 min
Lab File: VD071030.D
Acq: 15 Nov 2021 16:12

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 10002
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: 1.561 ug/l
RT: 14.684 min Scan# 2170
Delta R.T. 0.193 min
Lab File: VD071030.D
Acq: 15 Nov 2021 16:12

Tgt Ion: 75 Resp: 60
Ion Ratio Lower Upper
75 100
155 0.0 40.0 120.0#
157 0.0 49.8 149.3#

