

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
 Data File : VD070454.D
 Acq On : 24 Sep 2021 14:56
 Operator : VA/SY
 Sample : M3920-04
 Misc : 6.33G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 25 03:08:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

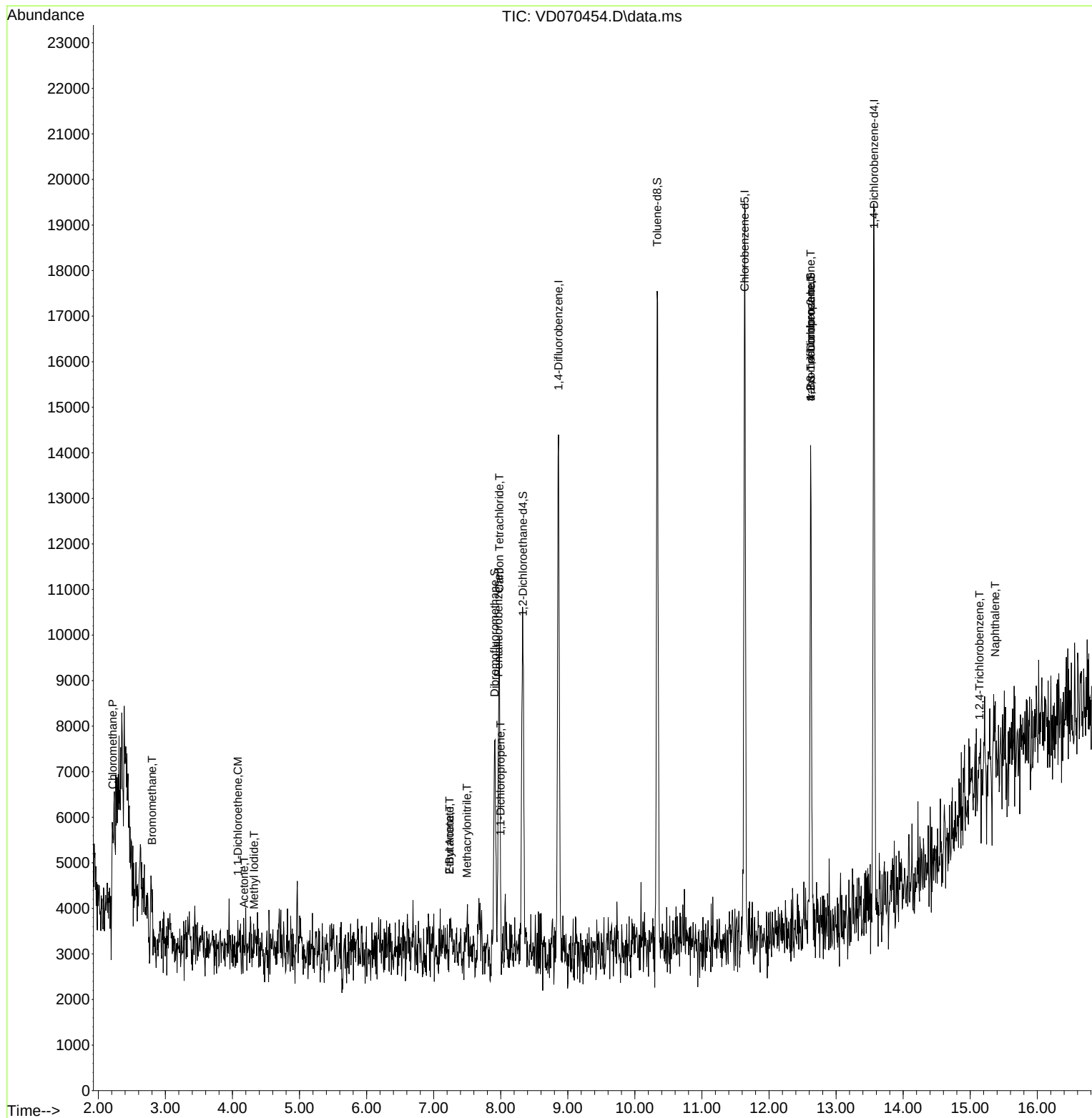
Internal Standards						
1) Pentafluorobenzene	7.967	168	5110	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.861	114	10734	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	10297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	3893	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	6512	99.248	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	198.500%#
35) Dibromofluoromethane	7.908	113	3290	43.059	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.120%
50) Toluene-d8	10.332	98	10233	36.887	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	73.780%
62) 4-Bromofluorobenzene	12.620	95	3608	37.214	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	74.420%
Target Compounds						
					Qvalue	
3) Chloromethane	2.215	50	414	2.114	ug/l #	82
5) Bromomethane	2.803	94	846	13.532	ug/l #	68
6) Chloroethane	2.644	64	57	Below Cal	#	43
10) Methyl Iodide	4.320	142	194	4.034	ug/l #	39
12) 1,1-Dichloroethene	4.079	96	78	1.311	ug/l #	1
16) Acetone	4.173	43	173	14.768	ug/l #	36
20) Methylene Chloride	4.962	84	507	Below Cal	#	32
25) 2-Butanone	7.238	43	96	6.156	ug/l #	47
36) 1,1-Dichloropropene	7.997	75	238	2.074	ug/l #	41
37) Ethyl Acetate	7.238	43	96	2.238	ug/l #	65
38) Carbon Tetrachloride	7.979	117	291	2.565	ug/l #	12
41) Methacrylonitrile	7.497	41	110	4.873	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	1847	46.904	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	1847	117.523	ug/l #	17
93) 1,2,4-Trichlorobenzene	15.137	180	73	1.168	ug/l #	12
95) Naphthalene	15.373	128	209	1.841	ug/l #	69

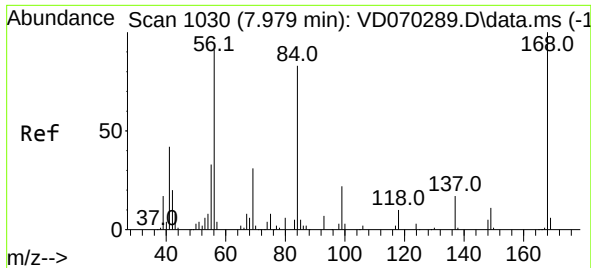
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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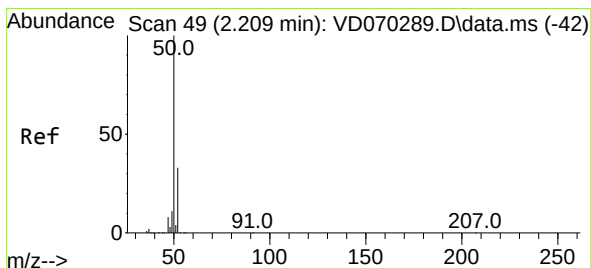
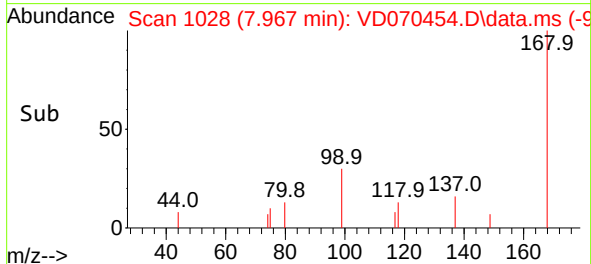
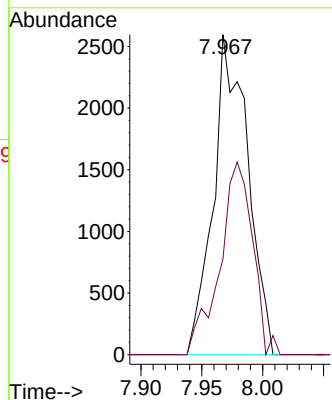
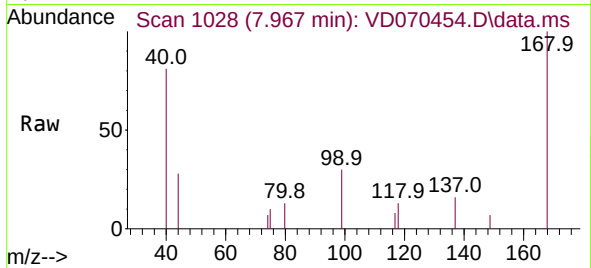




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

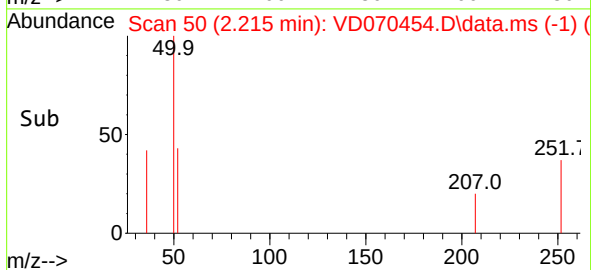
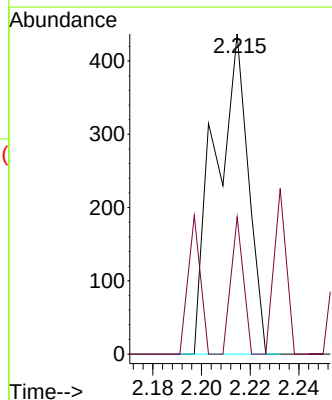
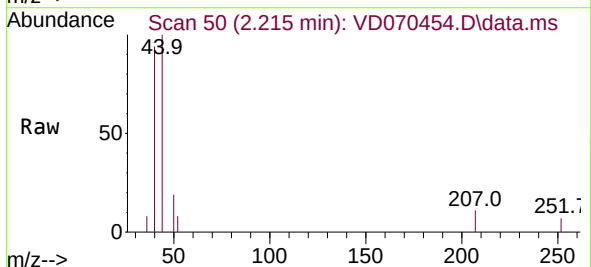
Instrument :
MSVOA_D
ClientSampled :

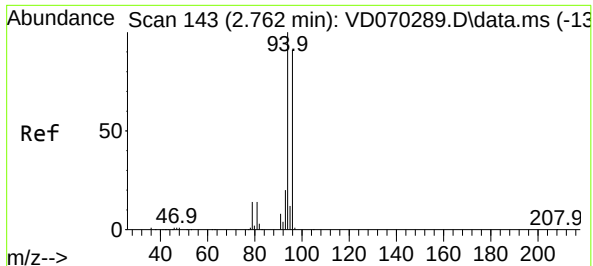
Tgt Ion:168 Resp: 5110
Ion Ratio Lower Upper
168 100
99 29.8 50.8 76.2#



#3
Chloromethane
Concen: 2.114 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

Tgt Ion: 50 Resp: 414
Ion Ratio Lower Upper
50 100
52 42.8 26.2 39.2#

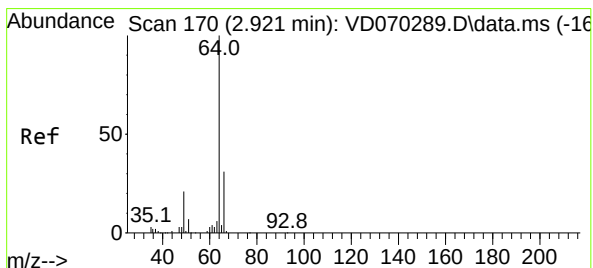
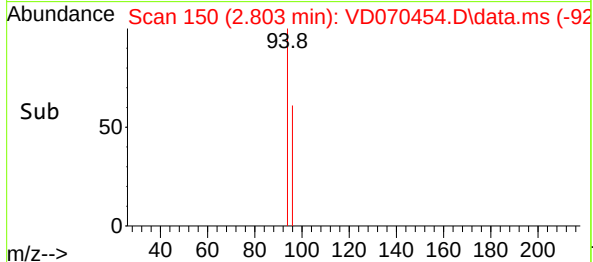
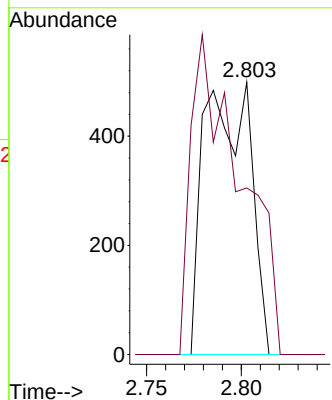
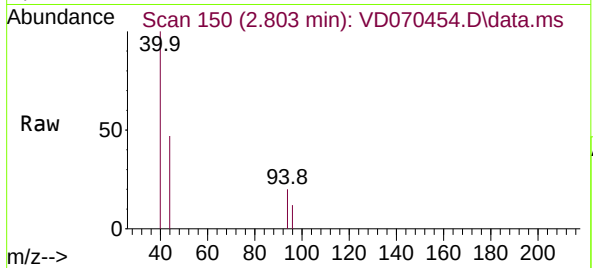




#5
Bromomethane
Concen: 13.532 ug/l
RT: 2.803 min Scan# 150
Delta R.T. 0.041 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

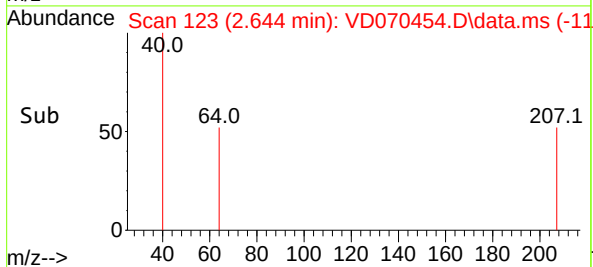
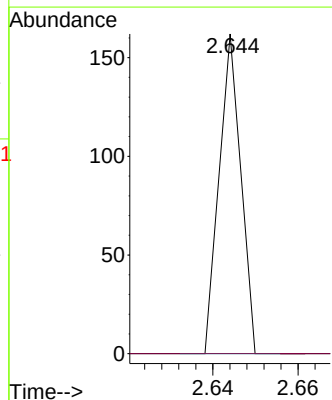
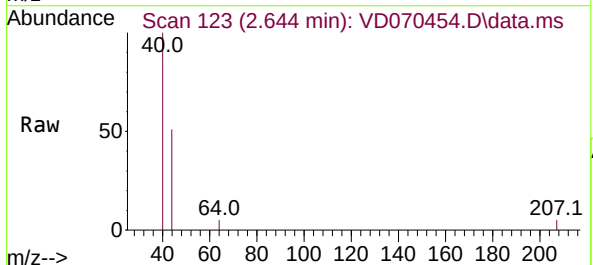
Instrument :
MSVOA_D
ClientSampleId :

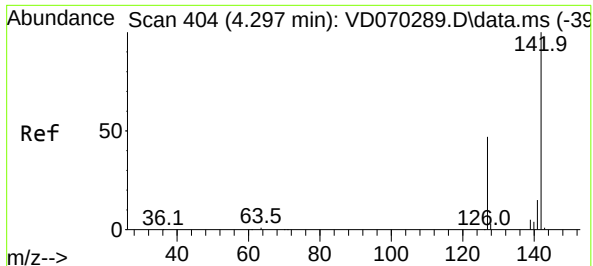
Tgt Ion: 94 Resp: 846
Ion Ratio Lower Upper
94 100
96 61.1 73.0 109.6#



#6
Chloroethane
Concen: Below Cal
RT: 2.644 min Scan# 123
Delta R.T. -0.277 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

Tgt Ion: 64 Resp: 57
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

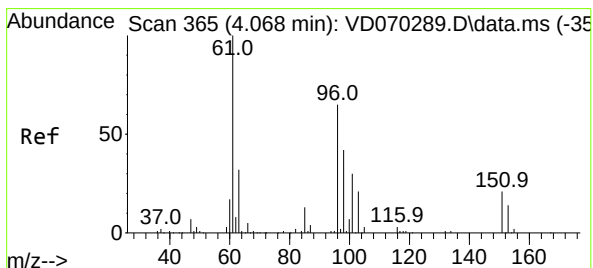
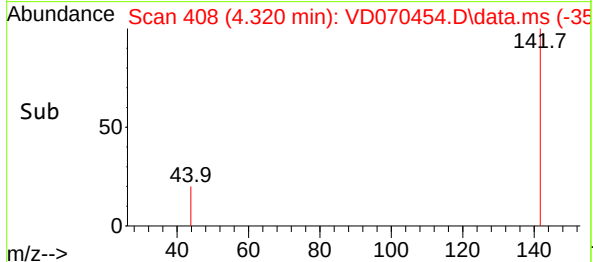
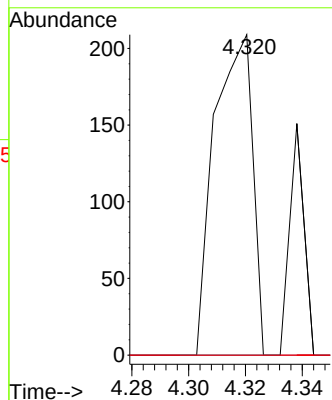
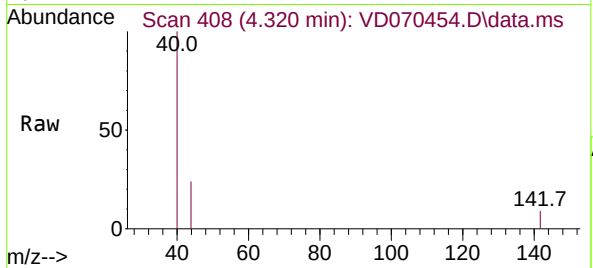




#10
Methyl Iodide
Concen: 4.034 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.023 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

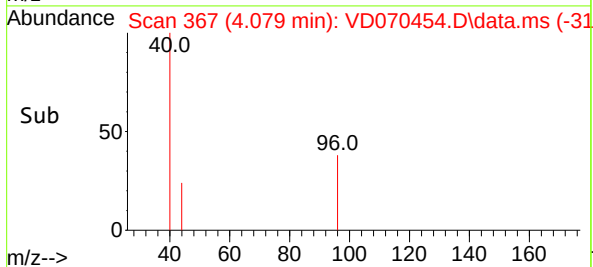
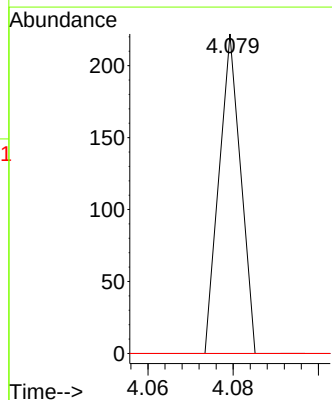
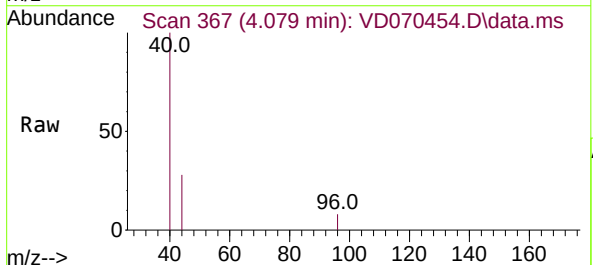
Instrument :
MSVOA_D
ClientSampled :

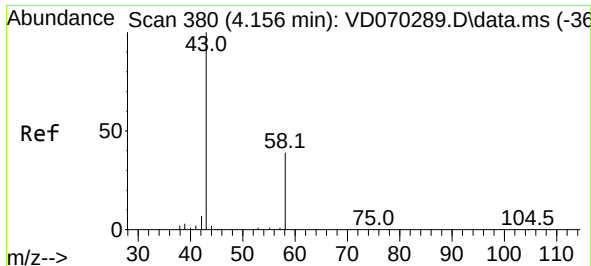
Tgt Ion:142 Resp: 194
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#



#12
1,1-Dichloroethene
Concen: 1.311 ug/l
RT: 4.079 min Scan# 367
Delta R.T. 0.012 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

Tgt Ion: 96 Resp: 78
Ion Ratio Lower Upper
96 100
61 0.0 123.2 184.8#
98 0.0 51.9 77.9#

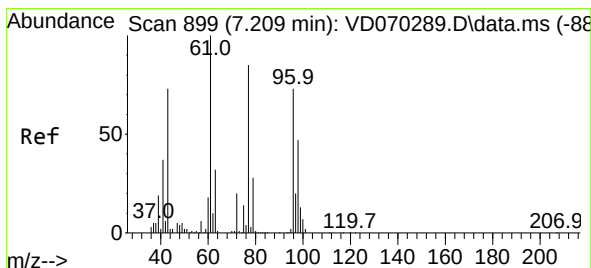
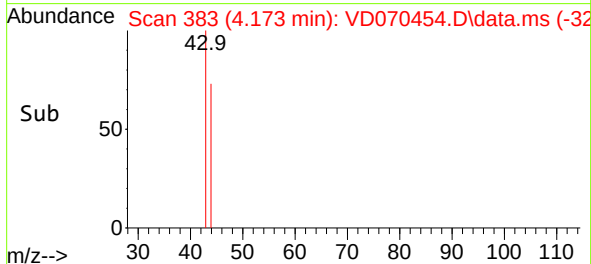
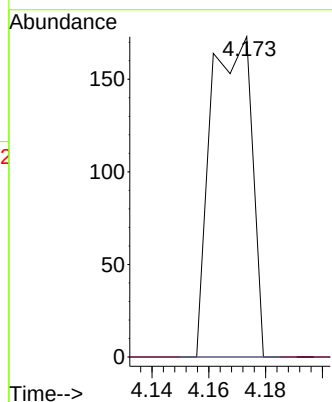
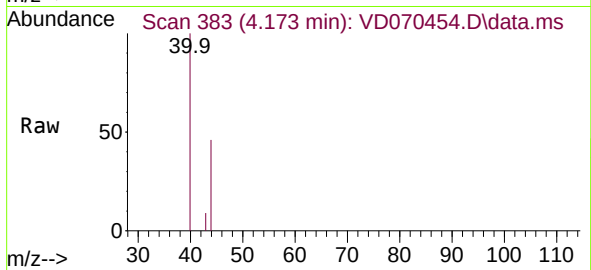




#16
Acetone
Concen: 14.768 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.018 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

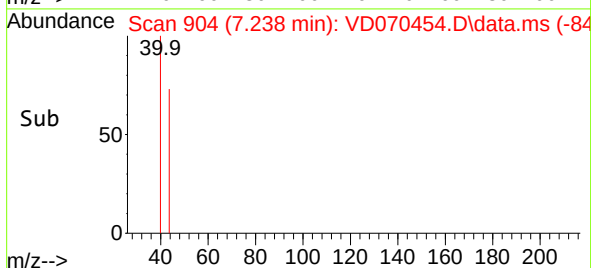
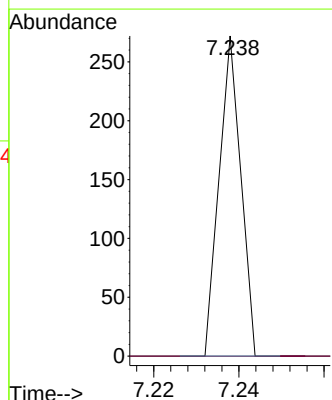
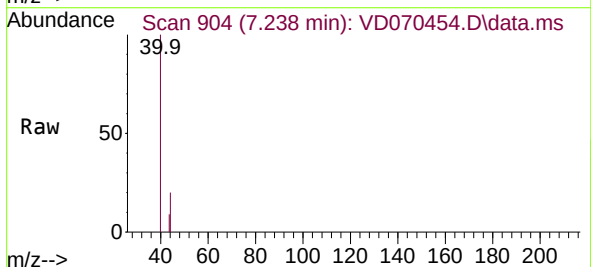
Instrument :
MSVOA_D
ClientSampleId :

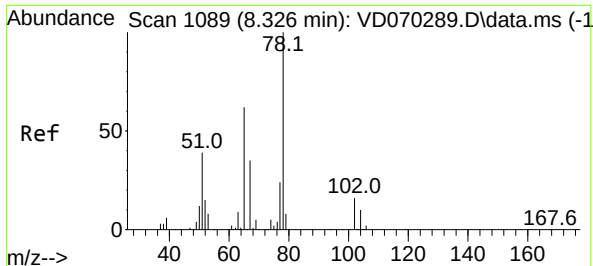
Tgt Ion: 43 Resp: 173
Ion Ratio Lower Upper
43 100
58 0.0 30.9 46.3#



#25
2-Butanone
Concen: 6.156 ug/l
RT: 7.238 min Scan# 904
Delta R.T. 0.029 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

Tgt Ion: 43 Resp: 96
Ion Ratio Lower Upper
43 100
72 0.0 22.2 33.4#



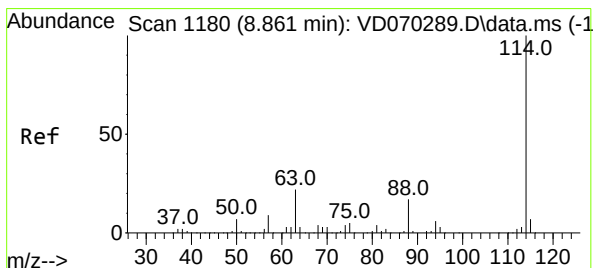
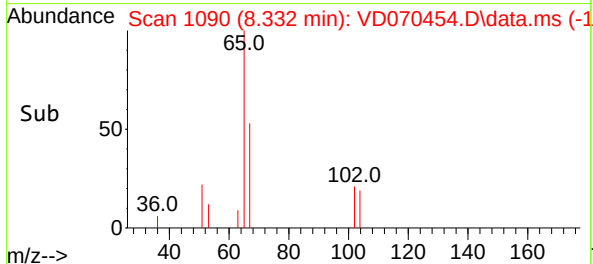
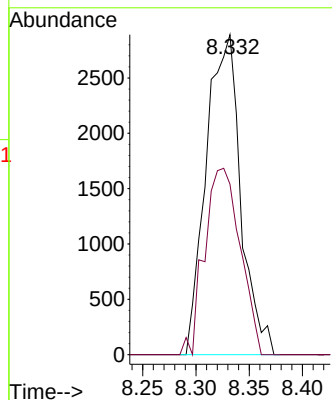
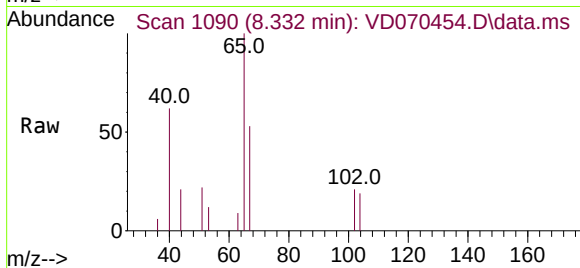


#33

1,2-Dichloroethane-d4
Concen: 99.248 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

Instrument :
MSVOA_D
ClientSampled :

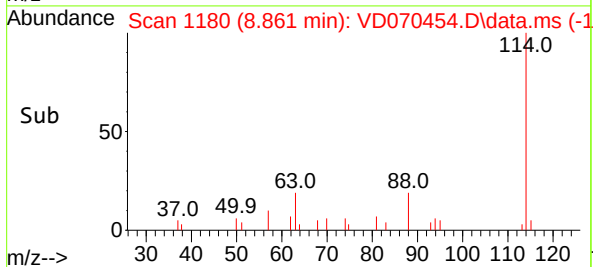
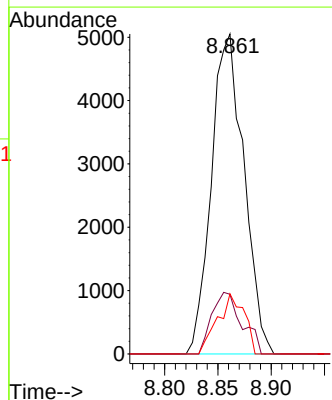
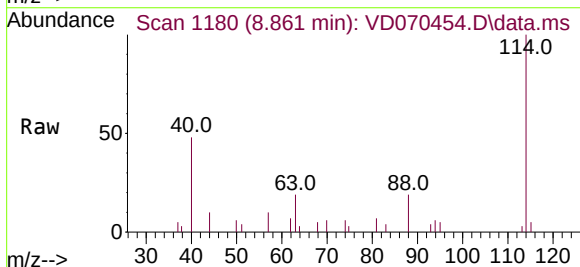
Tgt Ion: 65 Resp: 6512
Ion Ratio Lower Upper
65 100
67 60.2 0.0 111.4

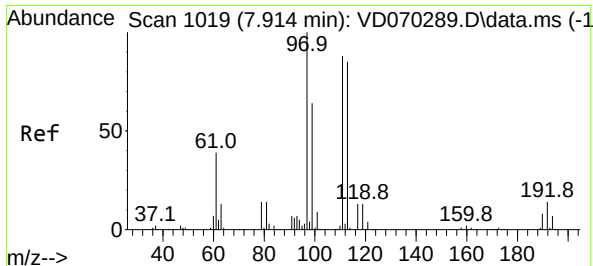


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

Tgt Ion: 114 Resp: 10734
Ion Ratio Lower Upper
114 100
63 18.6 0.0 43.4
88 18.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 43.059 ug/l

RT: 7.908 min Scan# 1018

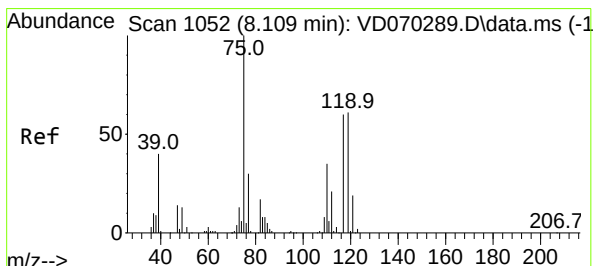
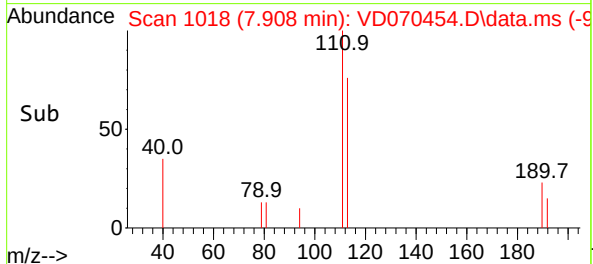
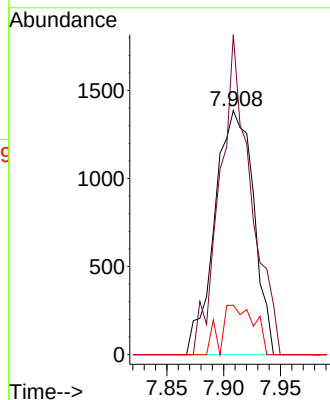
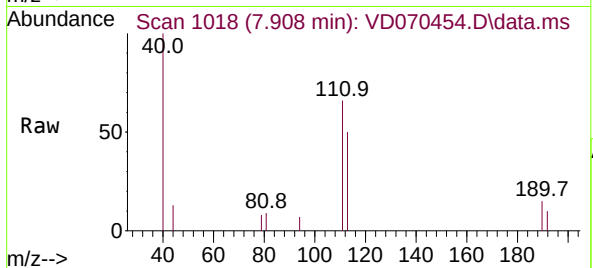
Delta R.T. -0.006 min

Lab File: VD070454.D

Acq: 24 Sep 2021 14:56

Tgt Ion:	113	Resp:	3290
Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.4	122.2
192	17.4	13.0	19.6

Instrument :
MSVOA_D
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 2.074 ug/l

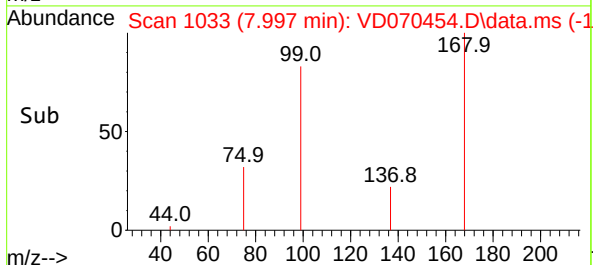
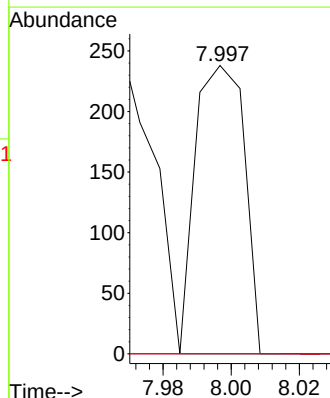
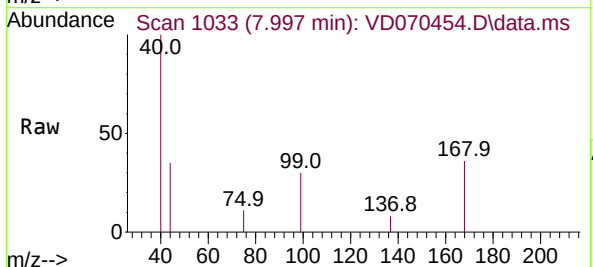
RT: 7.997 min Scan# 1033

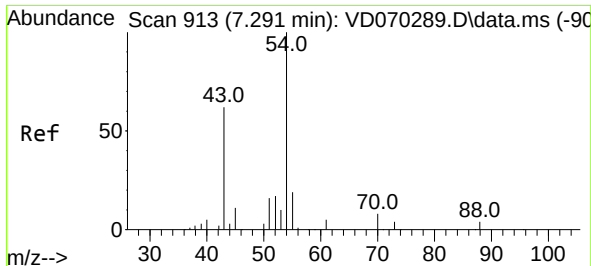
Delta R.T. -0.112 min

Lab File: VD070454.D

Acq: 24 Sep 2021 14:56

Tgt Ion:	75	Resp:	238
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.9	53.7#
77	0.0	25.3	37.9#





#37

Ethyl Acetate

Concen: 2.238 ug/l

RT: 7.238 min Scan# 904

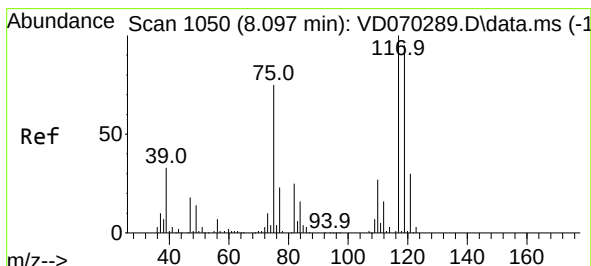
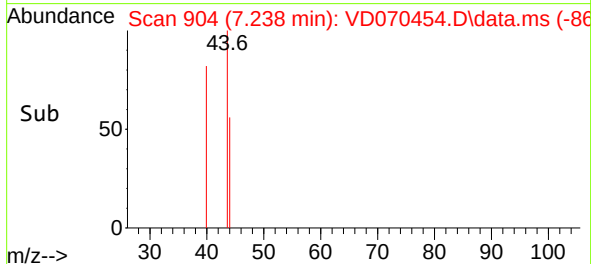
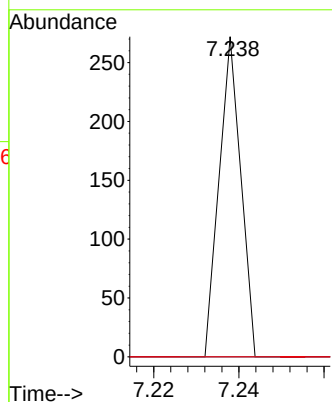
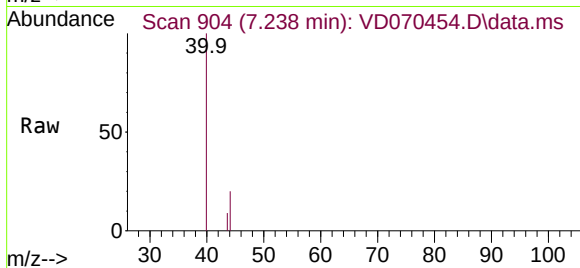
Delta R.T. -0.053 min

Lab File: VD070454.D

Acq: 24 Sep 2021 14:56

Tgt Ion: 43	Resp:	96
Ion	Ratio	Lower Upper
43	100	
61	0.0	13.0 19.6#
70	0.0	9.8 14.6#

Instrument :
MSVOA_D
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 2.565 ug/l

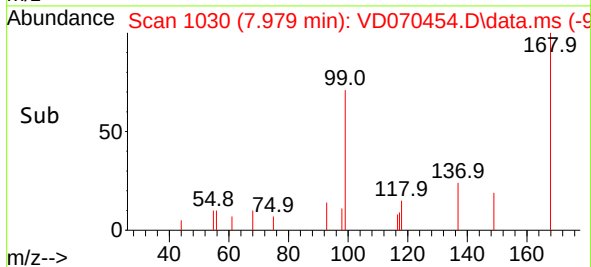
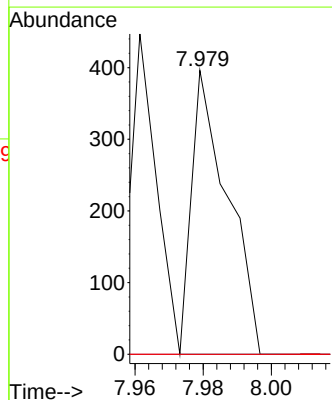
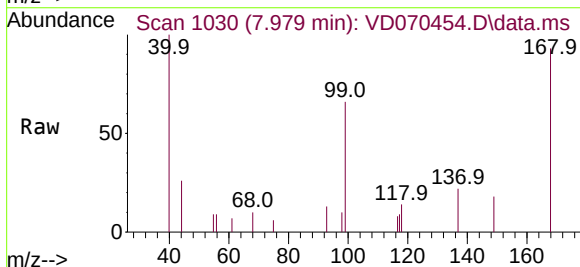
RT: 7.979 min Scan# 1030

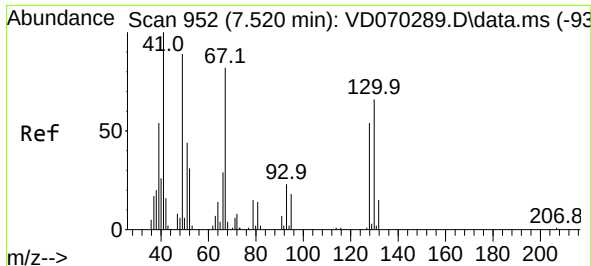
Delta R.T. -0.118 min

Lab File: VD070454.D

Acq: 24 Sep 2021 14:56

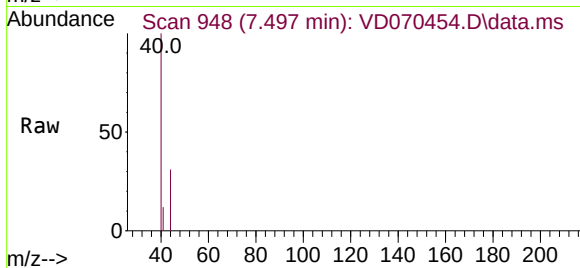
Tgt Ion: 117	Resp:	291
Ion	Ratio	Lower Upper
117	100	
119	0.0	76.1 114.1#
121	0.0	23.8 35.6#



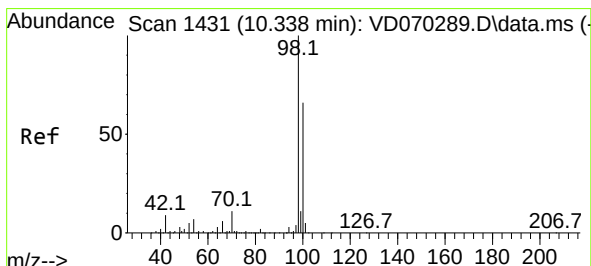
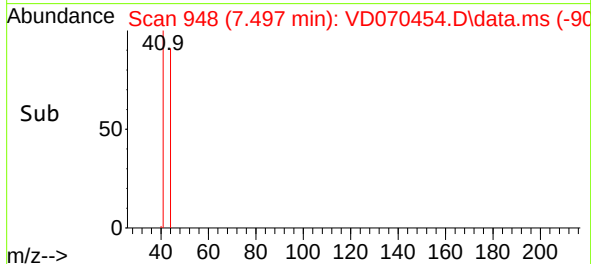
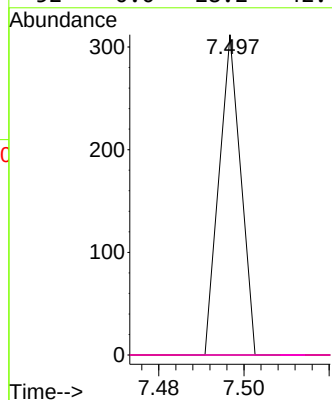


#41
Methacrylonitrile
Concen: 4.873 ug/l
RT: 7.497 min Scan# 948
Delta R.T. -0.024 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

Instrument :
MSVOA_D
ClientSampleId :

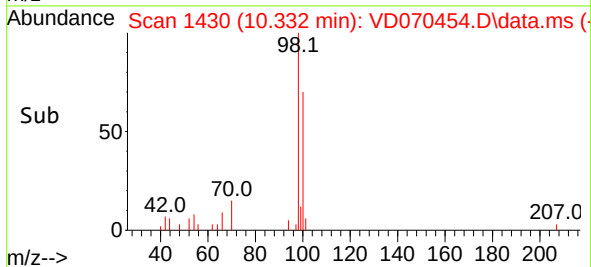
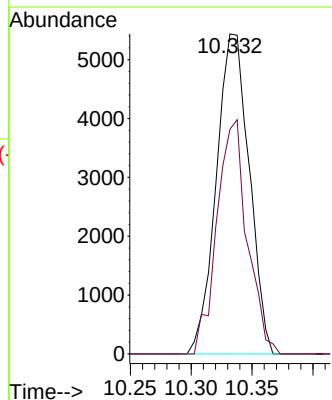
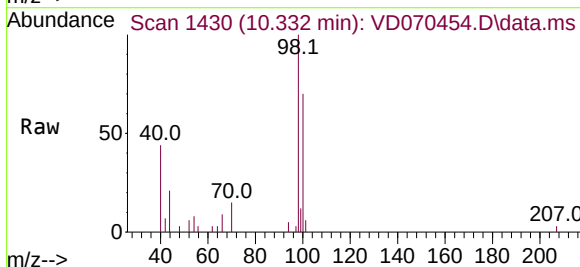


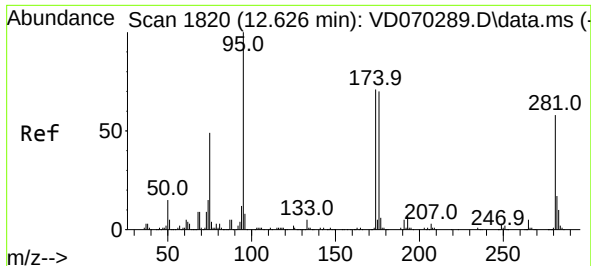
Tgt Ion:	41	Resp:	110
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.7	68.5#
67	0.0	74.0	111.0#
52	0.0	28.2	42.4#



#50
Toluene-d8
Concen: 36.887 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

Tgt Ion:	98	Resp:	10233
Ion	Ratio	Lower	Upper
98	100		
100	67.5	52.0	78.0

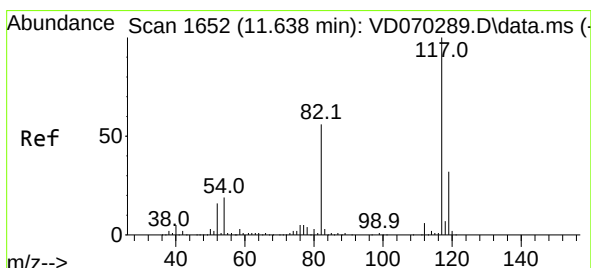
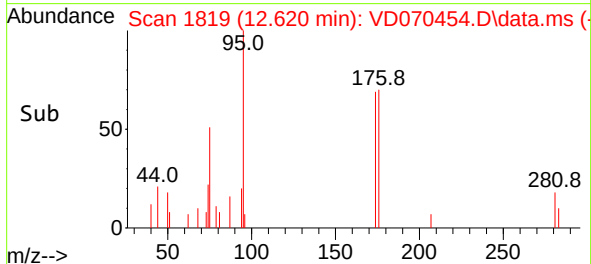
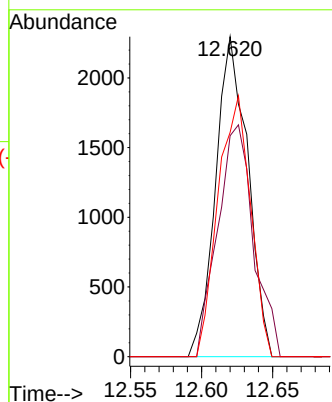
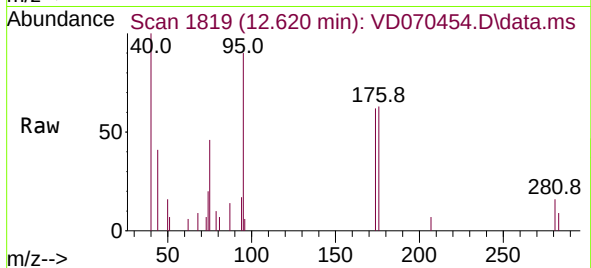




#62
4-Bromofluorobenzene
Concen: 37.214 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

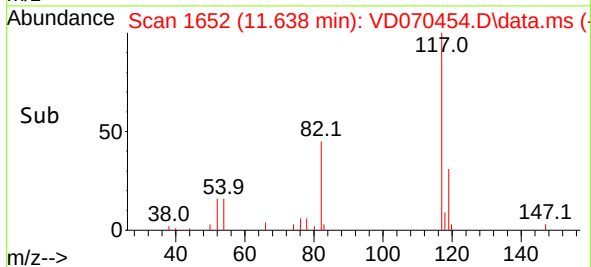
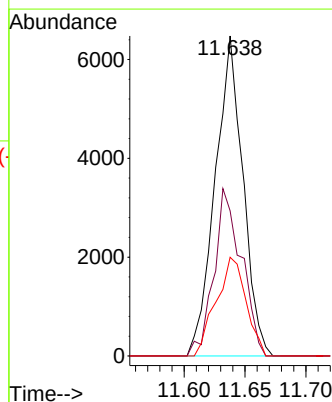
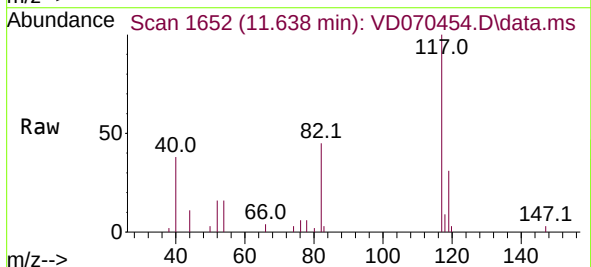
Instrument :
MSVOA_D
ClientSampleId :

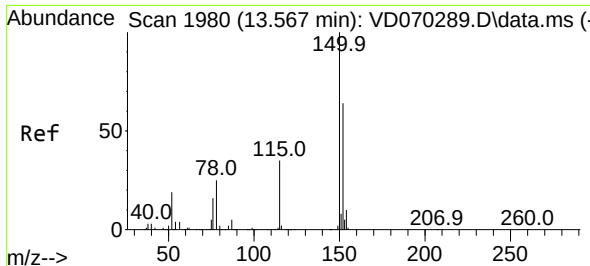
Tgt Ion: 95 Resp: 3608
Ion Ratio Lower Upper
95 100
174 80.8 0.0 140.6
176 82.4 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

Tgt Ion: 117 Resp: 10297
Ion Ratio Lower Upper
117 100
82 45.4 45.0 67.4
119 30.8 25.2 37.8

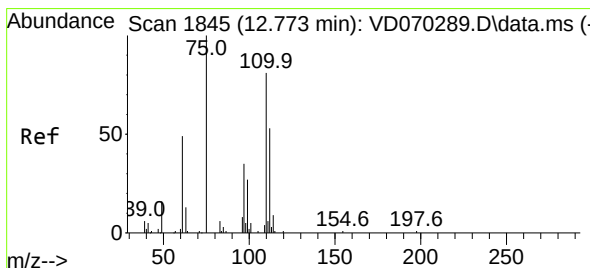
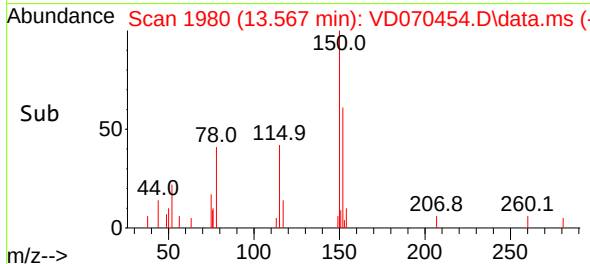
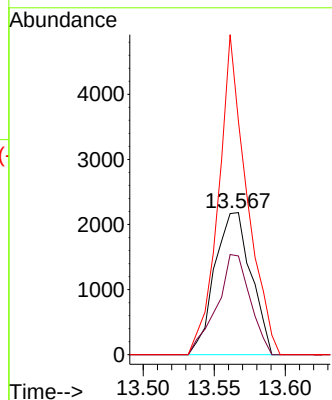
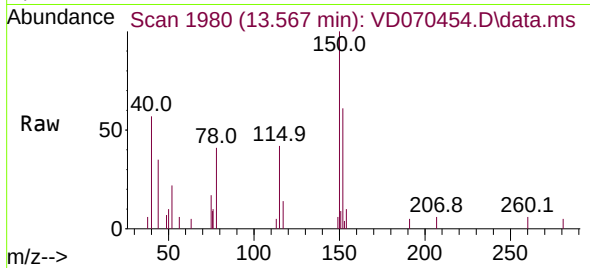




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070454.D
 Acq: 24 Sep 2021 14:56

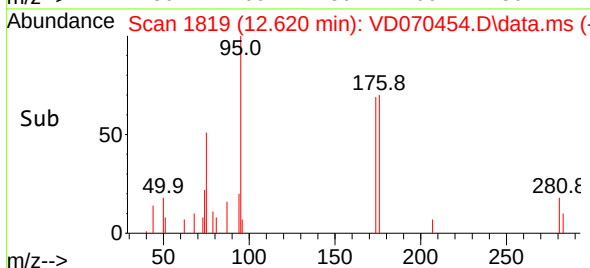
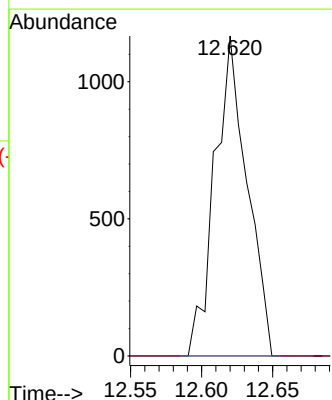
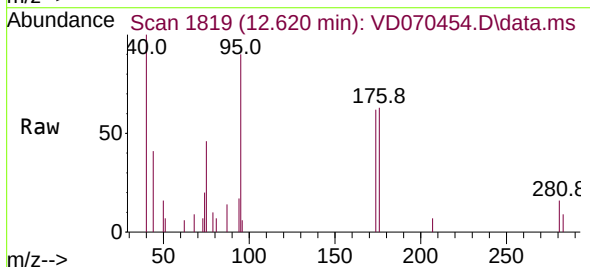
Instrument :
 MSVOA_D
 ClientSampled :

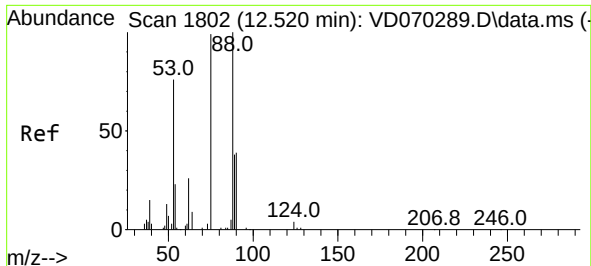
Tgt Ion:152 Resp: 3893
 Ion Ratio Lower Upper
 152 100
 115 64.3 32.1 96.3
 150 174.7 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 46.904 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD070454.D
 Acq: 24 Sep 2021 14:56

Tgt Ion: 75 Resp: 1847
 Ion Ratio Lower Upper
 75 100
 77 0.0 174.9 524.7#

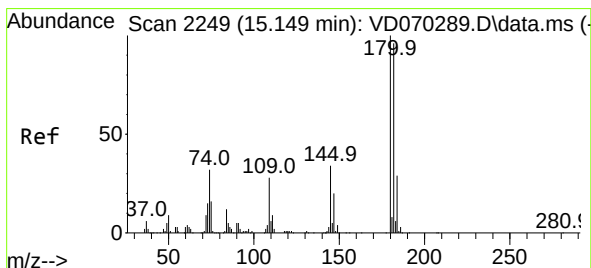
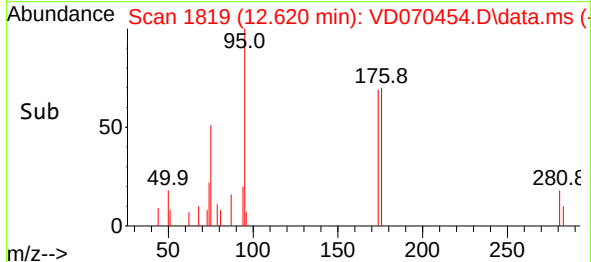
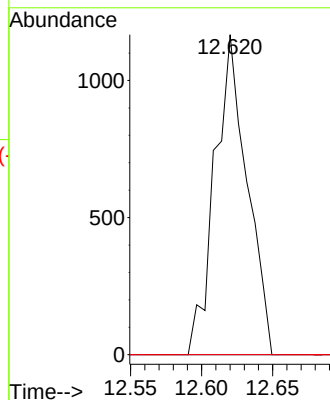
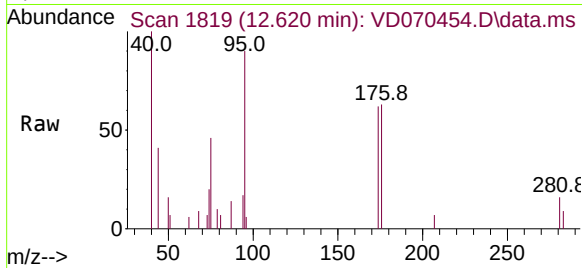




#81
trans-1,4-Dichloro-2-butene
Concen: 117.523 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

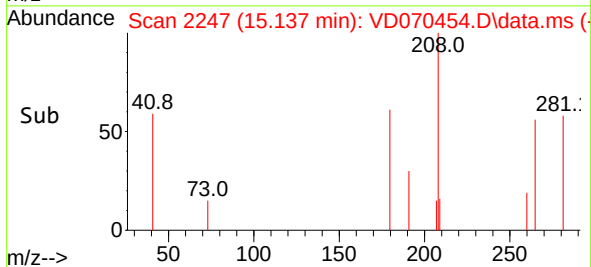
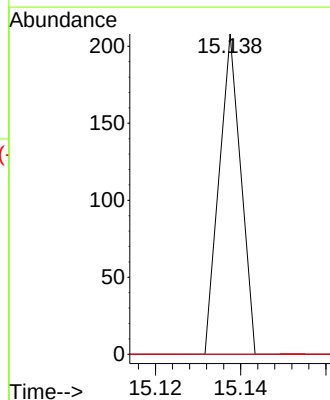
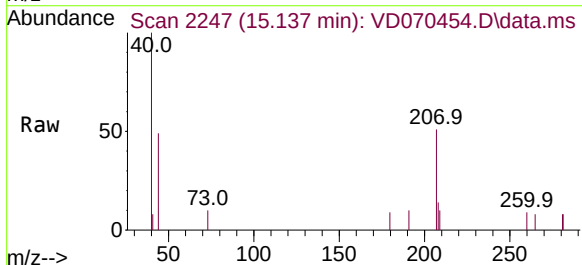
Instrument :
MSVOA_D
ClientSampleId :

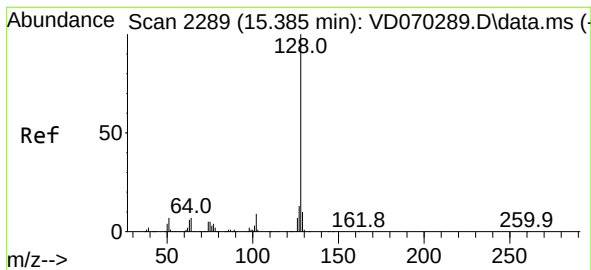
Tgt Ion: 75 Resp: 1847
Ion Ratio Lower Upper
75 100
53 0.0 64.2 96.2#
89 0.0 35.6 53.4#



#93
1,2,4-Trichlorobenzene
Concen: 1.168 ug/l
RT: 15.137 min Scan# 2247
Delta R.T. -0.012 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

Tgt Ion:180 Resp: 73
Ion Ratio Lower Upper
180 100
182 0.0 48.1 144.4#
145 0.0 16.8 50.4#





#95
Naphthalene
Concen: 1.841 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.012 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 209
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 9.0 13.4#

