

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 :
 S-839-R-SO-6-6.5-092321

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)

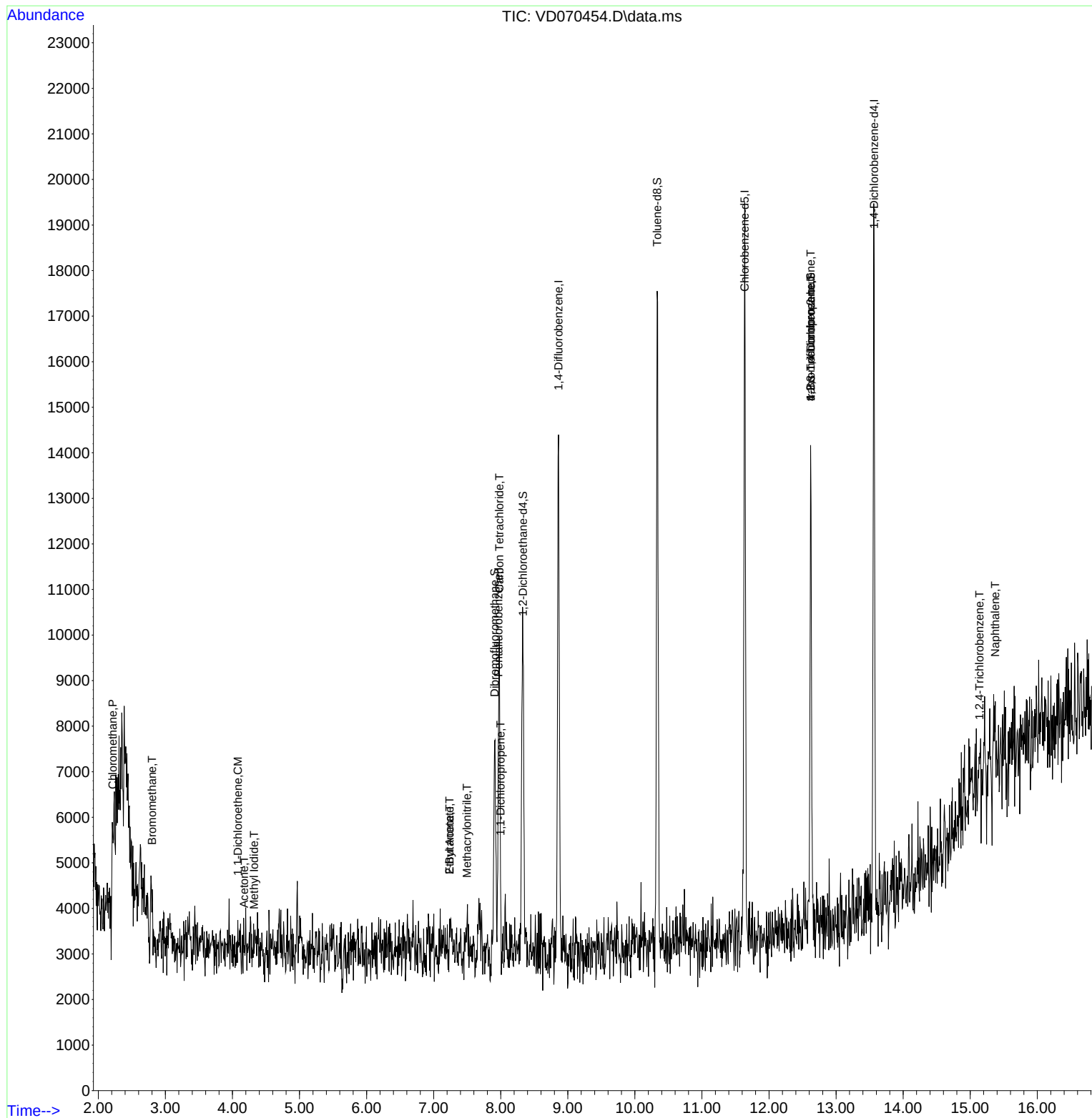
Internal Standards						
1) Pentafluorobenzene	7.967	168	5110	50.00	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.861	114	10734	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	10297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	3893	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	6512	99.25	ug/l	0.00
Spiked Amount 50.000	Range	50 - 163	Recovery	=	198.50%#	
35) Dibromofluoromethane	7.908	113	3290	43.06	ug/l	0.00
Spiked Amount 50.000	Range	54 - 147	Recovery	=	86.12%	
50) Toluene-d8	10.332	98	10233	36.89	ug/l	0.00
Spiked Amount 50.000	Range	49 - 140	Recovery	=	73.78%	
62) 4-Bromofluorobenzene	12.620	95	3608	37.21	ug/l	0.00
Spiked Amount 50.000	Range	25 - 144	Recovery	=	74.42%	
Target Compounds						Qvalue
3) Chloromethane	2.215	50	414	2.11	ug/l #	82
5) Bromomethane	2.803	94	846	13.53	ug/l #	68
6) Chloroethane	2.644	64	57	Below Cal	#	43
10) Methyl Iodide	4.320	142	194	4.03	ug/l #	39
12) 1,1-Dichloroethene	4.079	96	78	1.31	ug/l #	1
16) Acetone	4.173	43	173	14.77	ug/l #	36
20) Methylene Chloride	4.962	84	507	Below Cal	#	32
25) 2-Butanone	7.238	43	96	6.16	ug/l #	47
36) 1,1-Dichloropropene	7.997	75	238	2.07	ug/l #	41
37) Ethyl Acetate	7.238	43	96	2.24	ug/l #	65
38) Carbon Tetrachloride	7.979	117	291	2.56	ug/l #	12
41) Methacrylonitrile	7.497	41	110	4.87	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	1847	46.90	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	1847	117.52	ug/l #	17
93) 1,2,4-Trichlorobenzene	15.137	180	73	1.17	ug/l #	12
95) Naphthalene	15.373	128	209	1.84	ug/l #	69

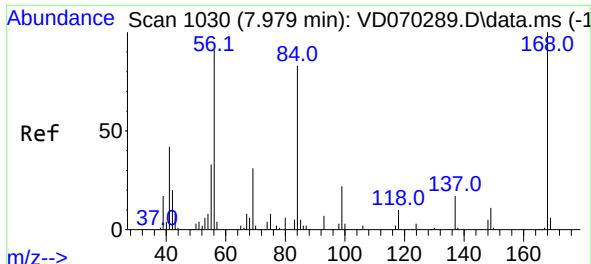
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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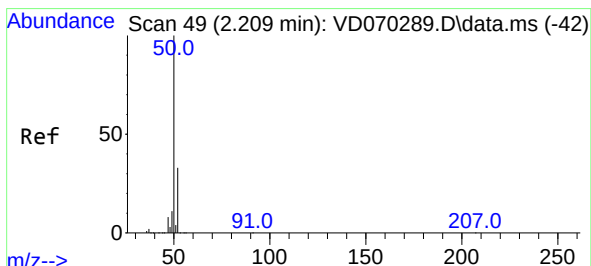
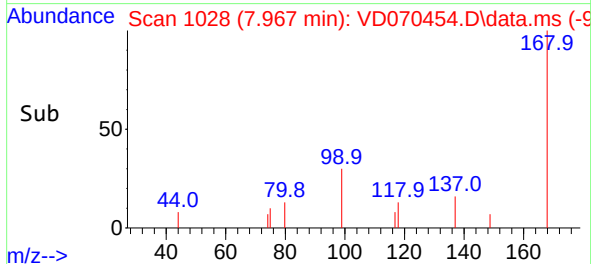
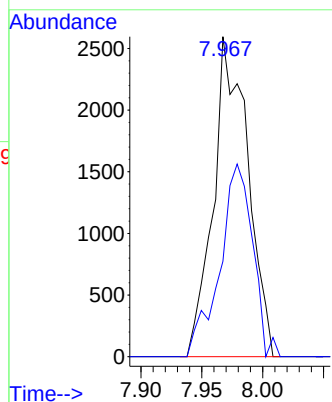
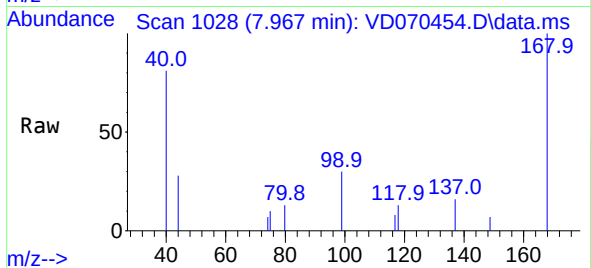




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

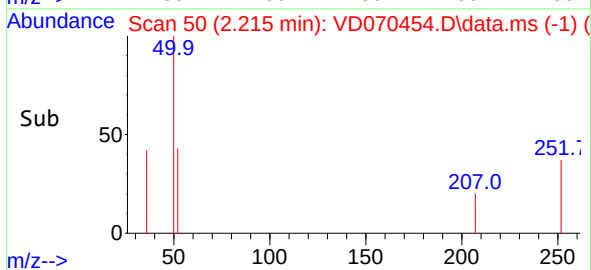
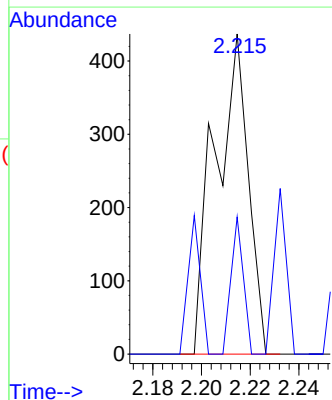
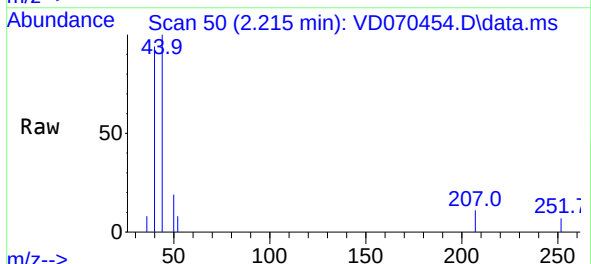
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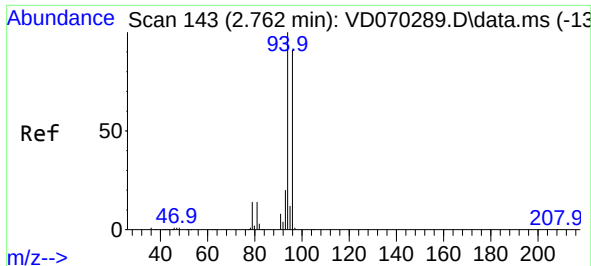
Tgt Ion:168 Resp: 5110
Ion Ratio Lower Upper
168 100
99 29.8 50.8 76.2#



#3
Chloromethane
Concen: 2.11 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#

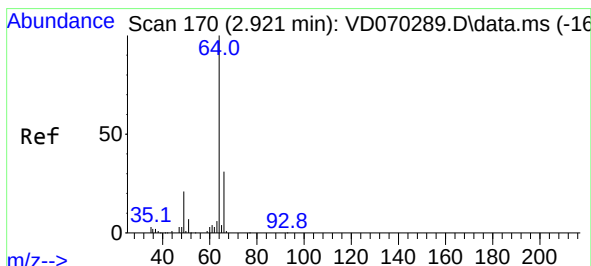
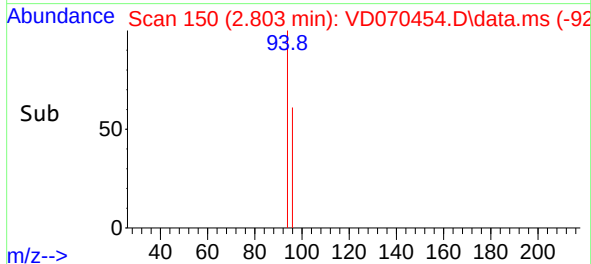
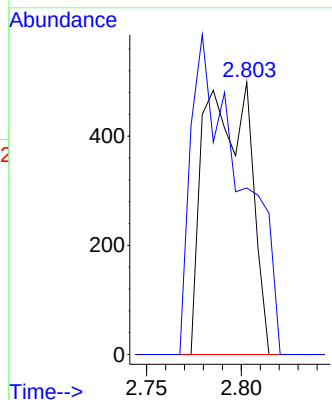
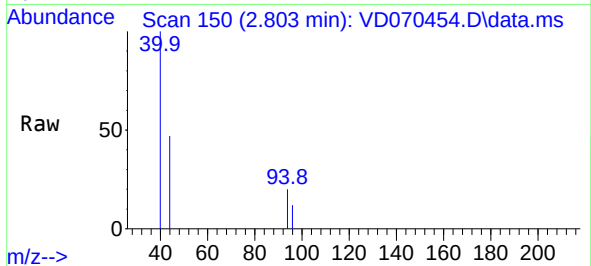




#5
Bromomethane
Concen: 13.53 ug/l
RT: 2.803 min Scan# 150
Delta R.T. 0.041 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

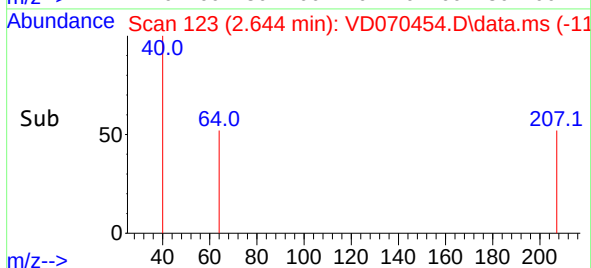
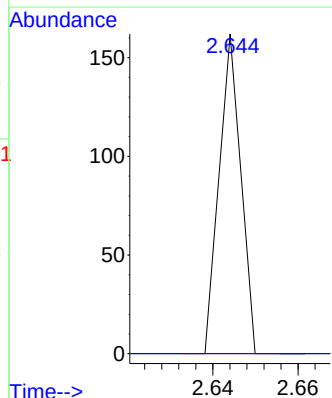
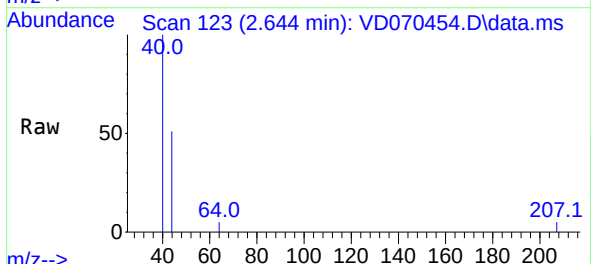
Instrument :
MSVOA_D
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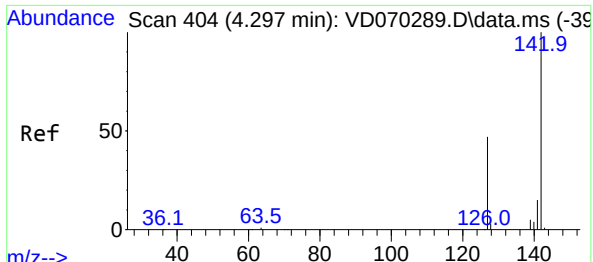
Tgt Ion: 94 Resp: 846
Ion Ratio Lower Upper
94 100
96 61.1 73.0 109.6#



#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#

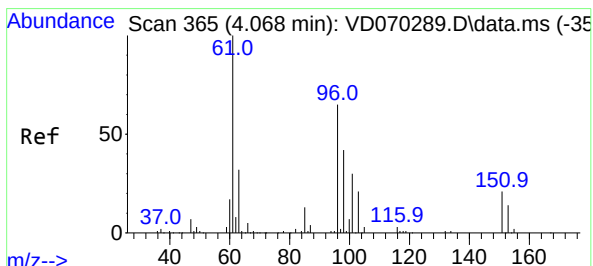
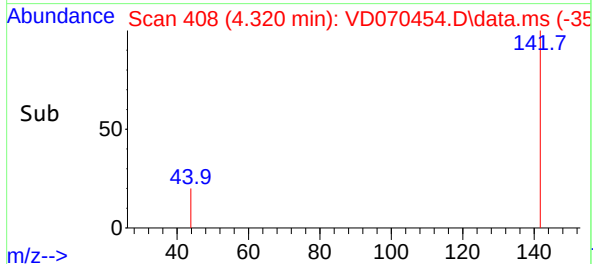
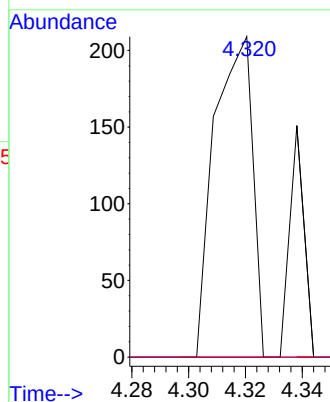
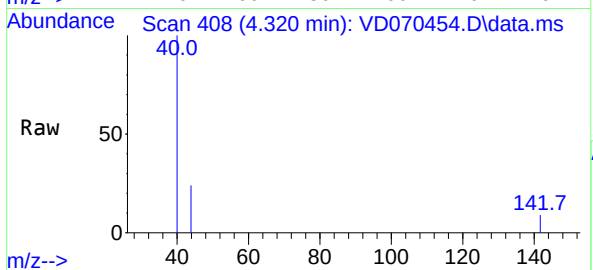




#10
Methyl Iodide
Concen: 4.03 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.023 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

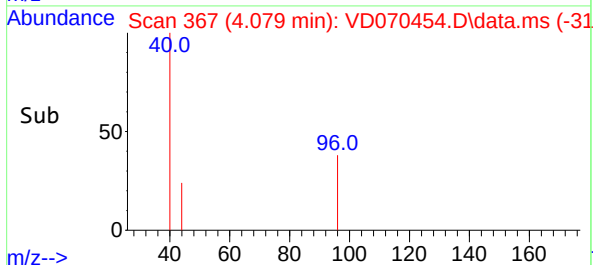
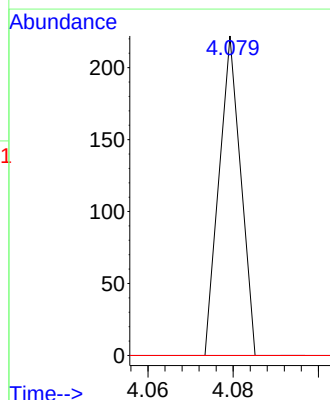
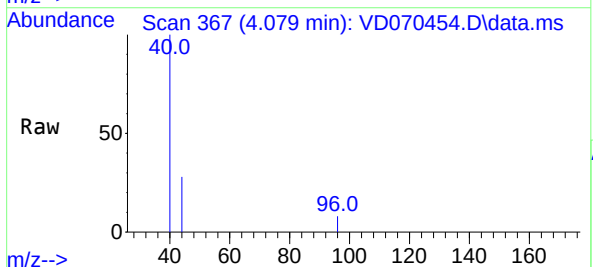
Instrument :
MSVOA_D
ClientSampleId :
S-839-R-SO-6-6.5-092321

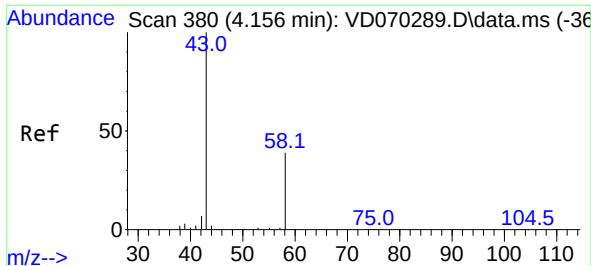
Tgt Ion:	142	Resp:	194
Ion	Ratio	Lower	Upper
142	100		
127	0.0	36.9	55.3#
141	0.0	11.8	17.6#



#12
1,1-Dichloroethene
Concen: 1.31 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#

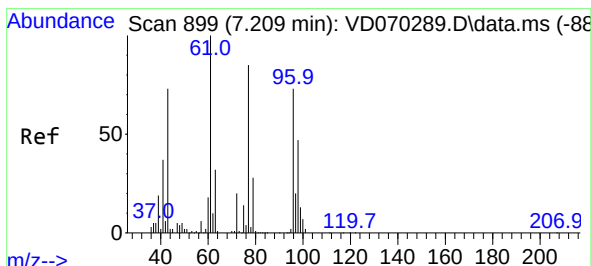
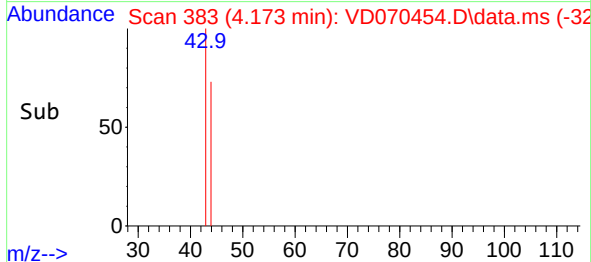
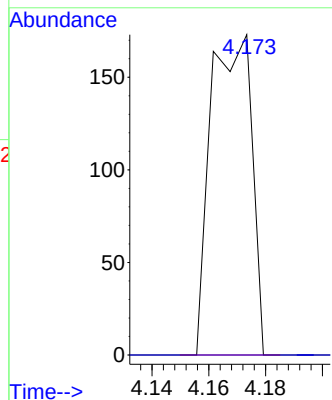
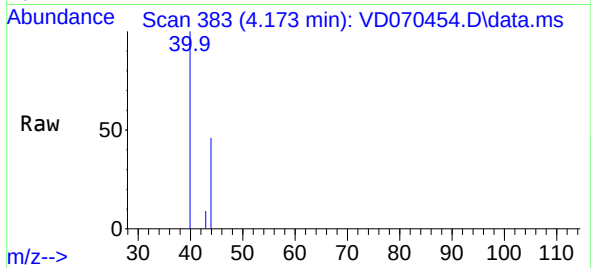




#16
Acetone
Concen: 14.77 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.018 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

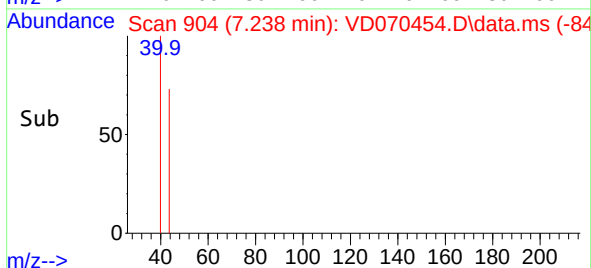
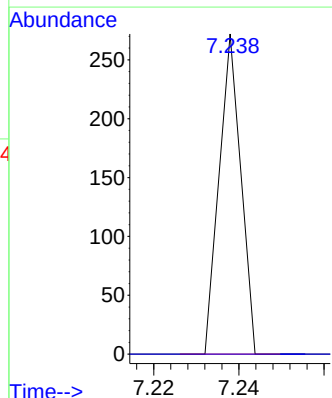
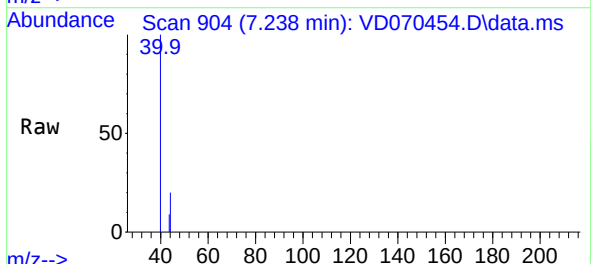
Instrument :
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ClientSampleId :
S-839-R-SO-6-6.5-092321

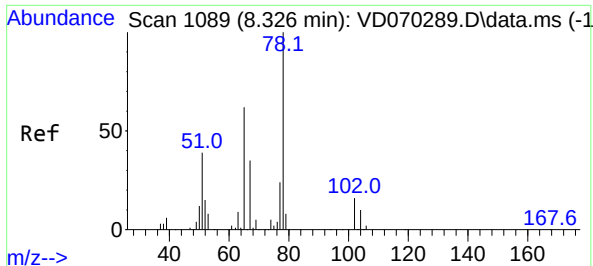
Tgt Ion: 43 Resp: 173
Ion Ratio Lower Upper
43 100
58 0.0 30.9 46.3#



#25
2-Butanone
Concen: 6.16 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#



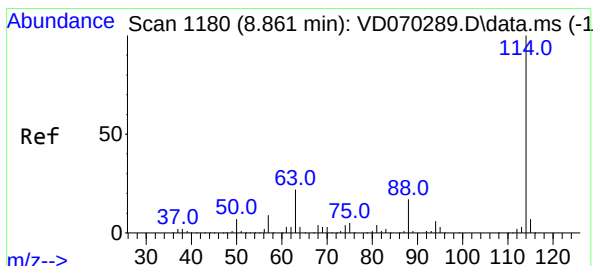
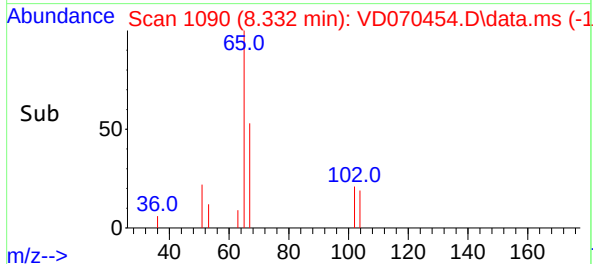
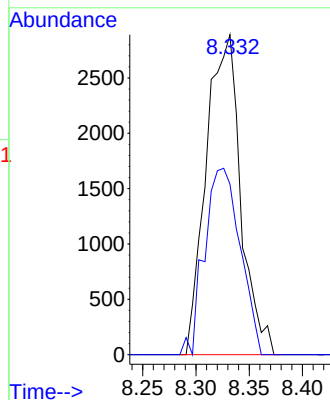
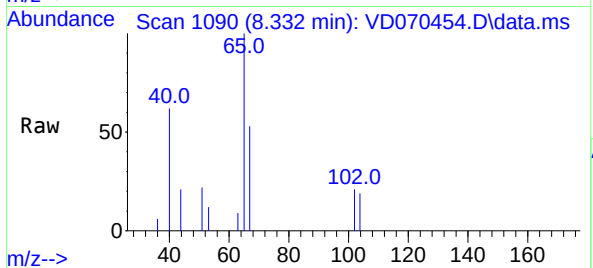


#33

1,2-Dichloroethane-d4
Concen: 99.25 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
ClientSampleId :
S-839-R-SO-6-6.5-092321

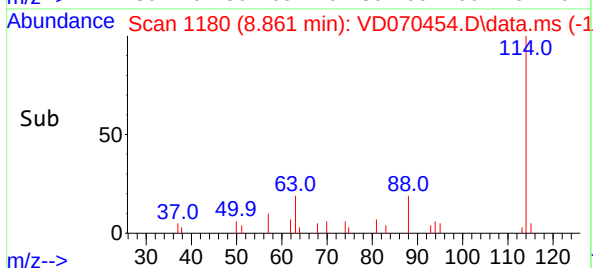
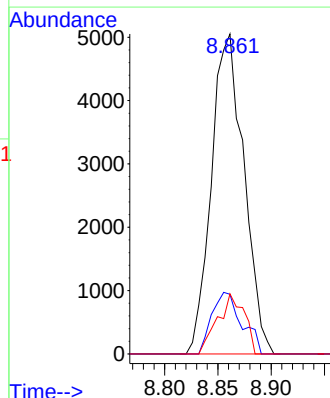
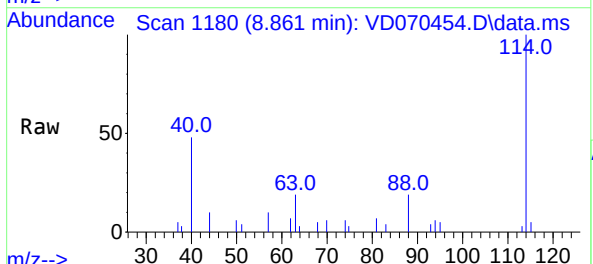
Tgt Ion: 65 Resp: 6512
Ion Ratio Lower Upper
65 100
67 60.2 0.0 111.4

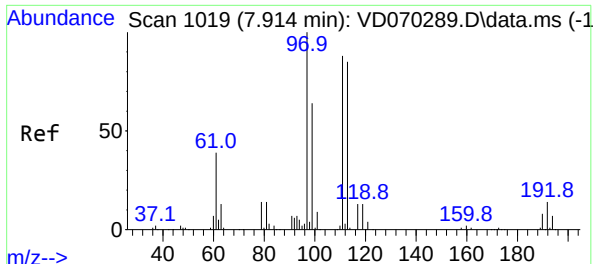


#34

1,4-Difluorobenzene
Concen: 50.00 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

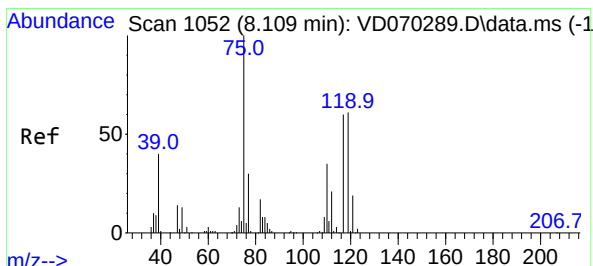
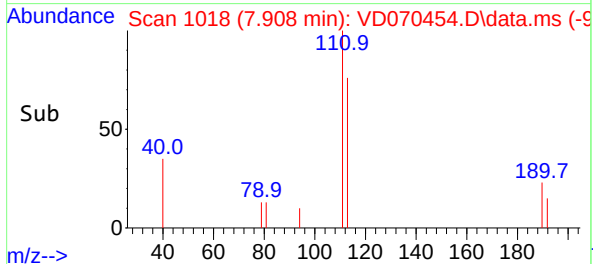
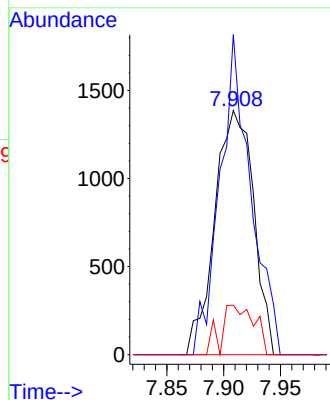
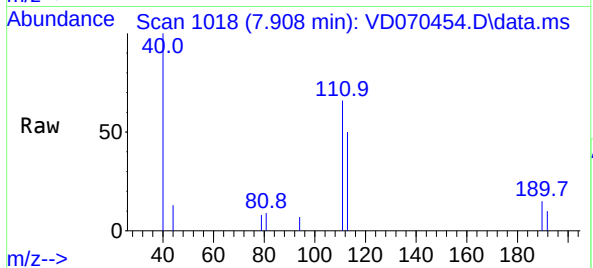




#35
Dibromofluoromethane
Concen: 43.06 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

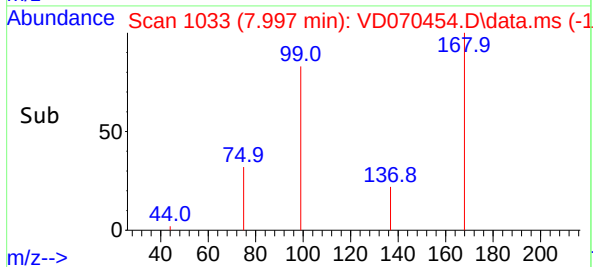
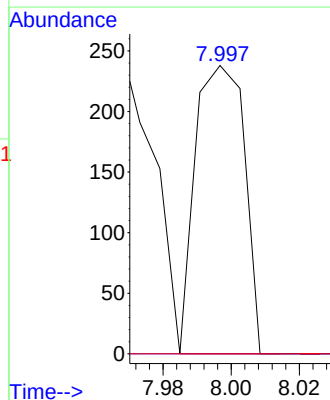
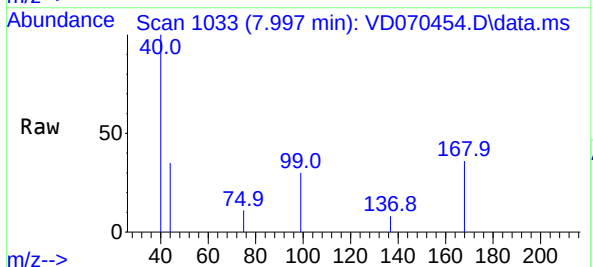
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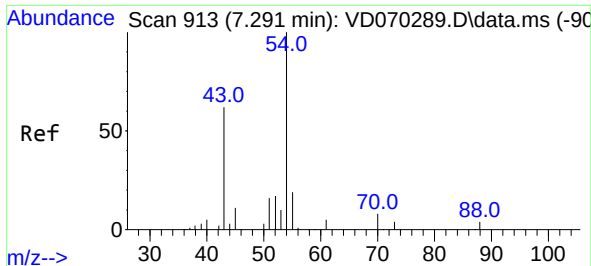
Tgt Ion:	113	Resp:	3290
Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.4	122.2
192	17.4	13.0	19.6



#36
1,1-Dichloropropene
Concen: 2.07 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#

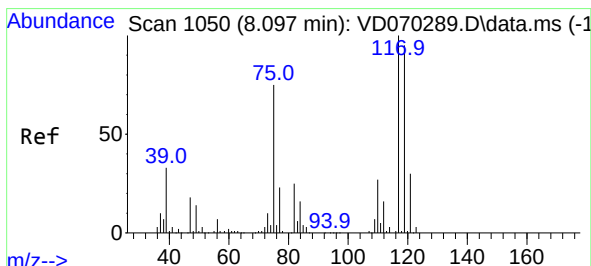
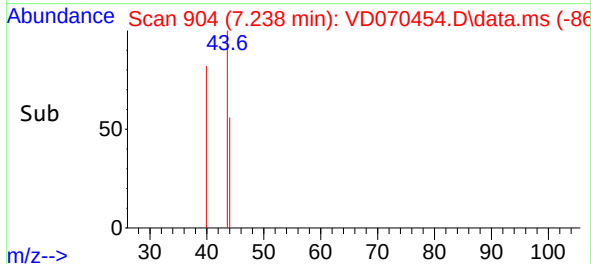
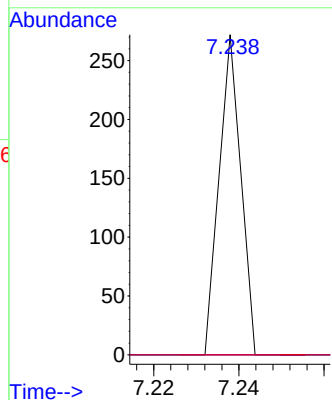
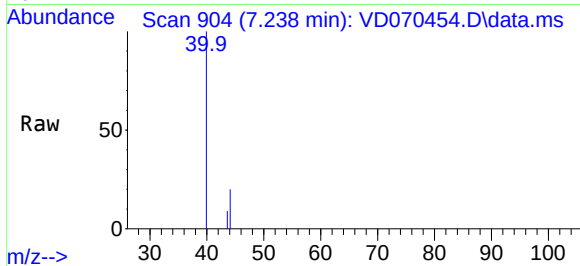




#37
Ethyl Acetate
Concen: 2.24 ug/l
RT: 7.238 min Scan# 904
Delta R.T. -0.053 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

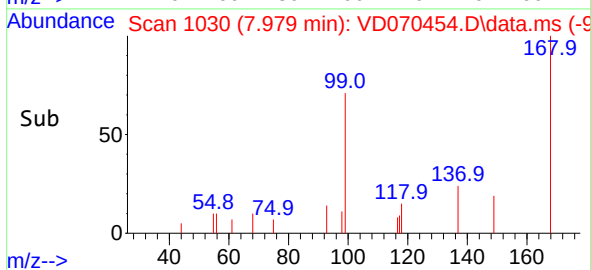
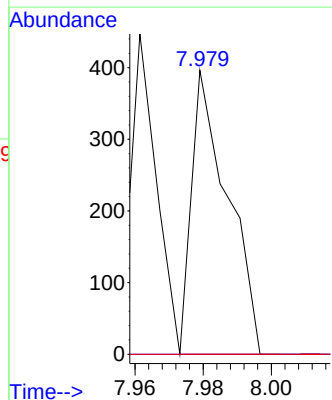
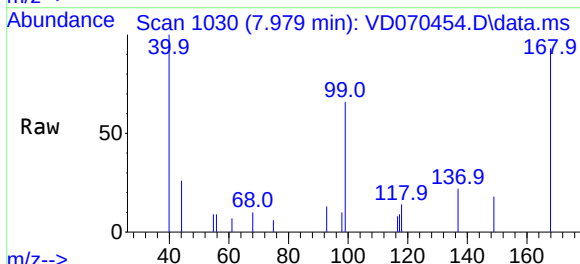
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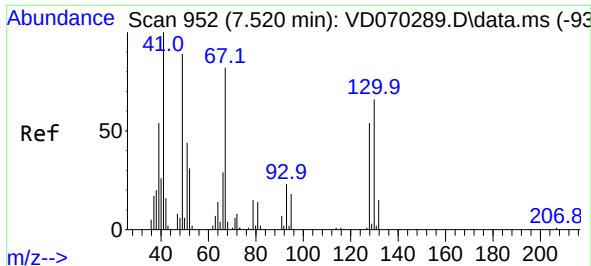
Tgt Ion: 43	Resp:	96
Ion	Ratio	Lower Upper
43	100	
61	0.0	13.0 19.6#
70	0.0	9.8 14.6#



#38
Carbon Tetrachloride
Concen: 2.56 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#

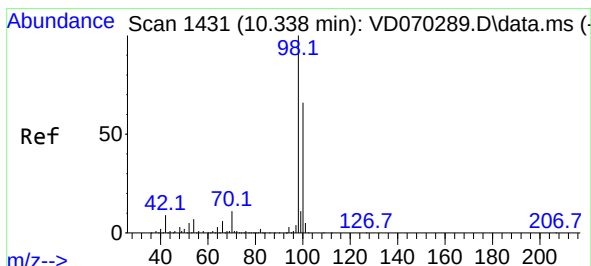
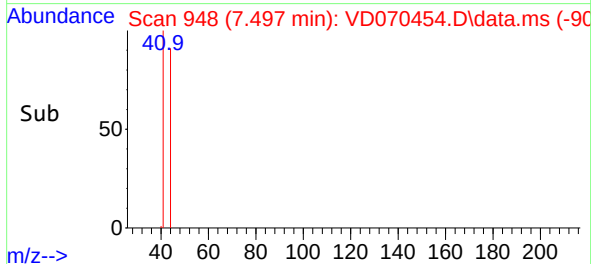
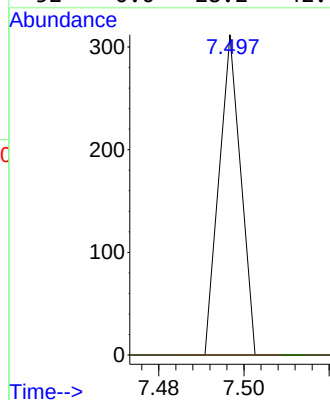
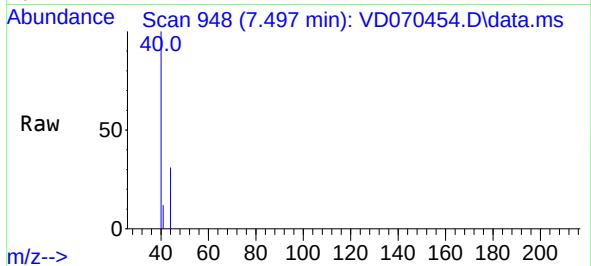




#41
Methacrylonitrile
Concen: 4.87 ug/l
RT: 7.497 min Scan# 948
Delta R.T. -0.024 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

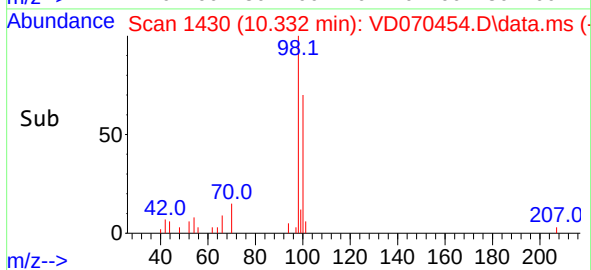
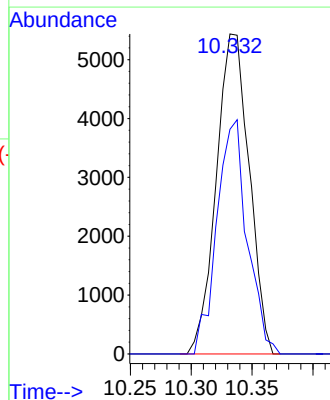
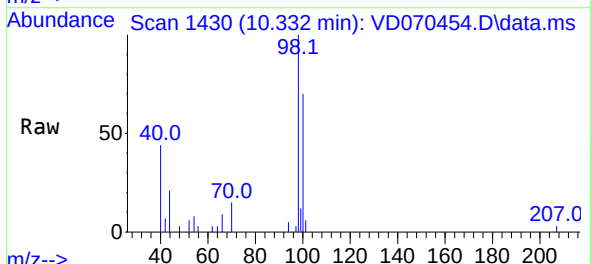
Instrument :
MSVOA_D
ClientSampleId :
S-839-R-SO-6-6.5-092321

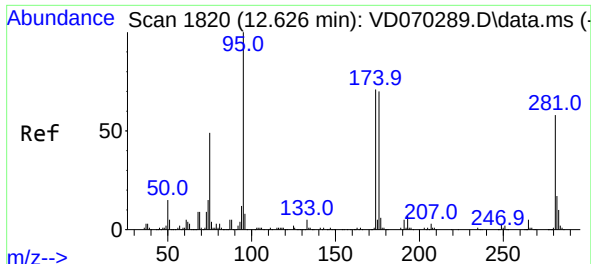
Tgt Ion: 41	Resp: 110
Ion Ratio	Lower Upper
41 100	
39 0.0	45.7 68.5#
67 0.0	74.0 111.0#
52 0.0	28.2 42.4#



#50
Toluene-d8
Concen: 36.89 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

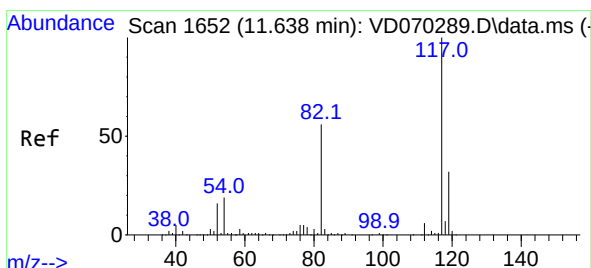
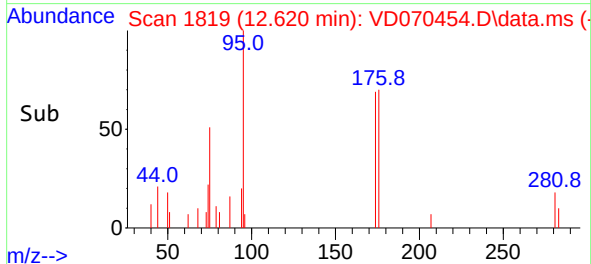
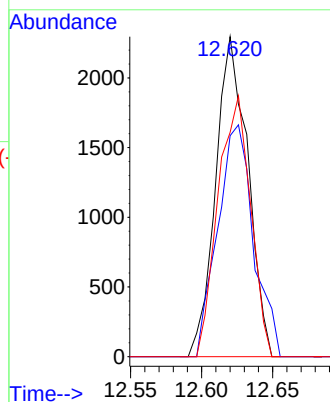
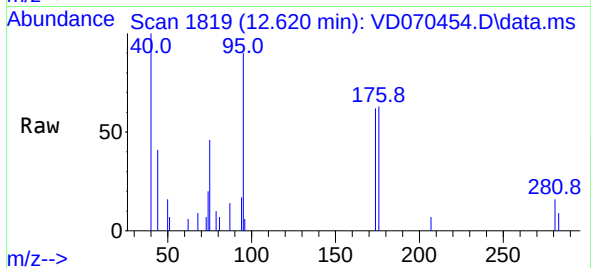




#62
4-Bromofluorobenzene
Concen: 37.21 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

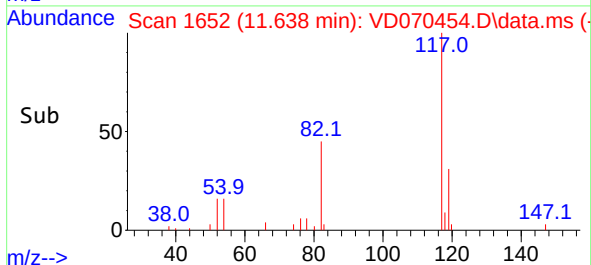
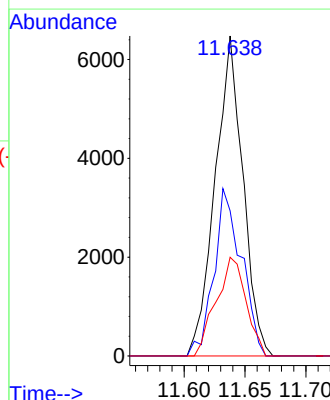
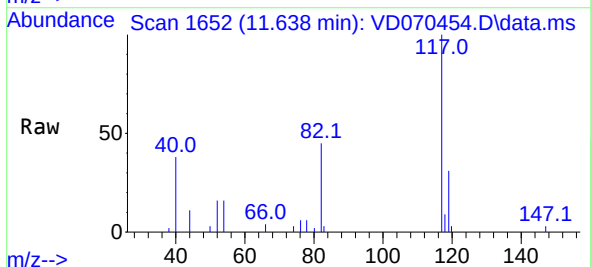
Instrument :
MSVOA_D
ClientSampleId :
S-839-R-SO-6-6.5-092321

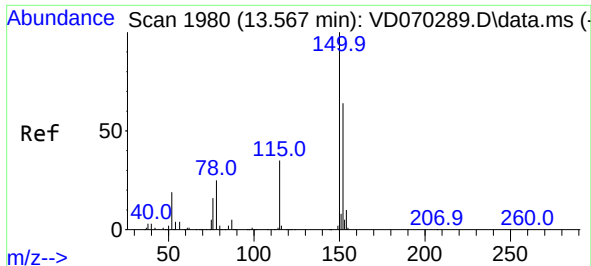
Tgt Ion:	95	Resp:	3608
Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	140.6
176	82.4	0.0	137.4



#63
Chlorobenzene-d5
Concen: 50.00 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



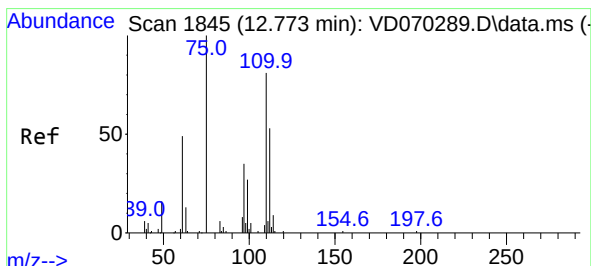
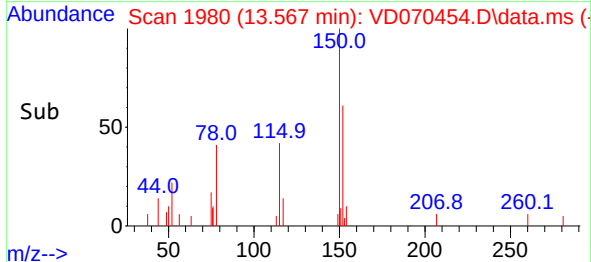
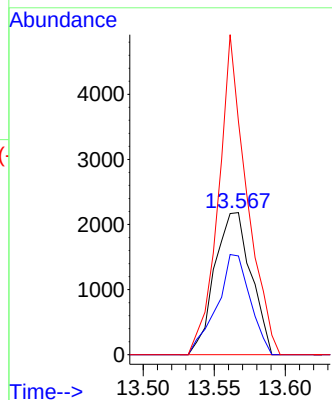
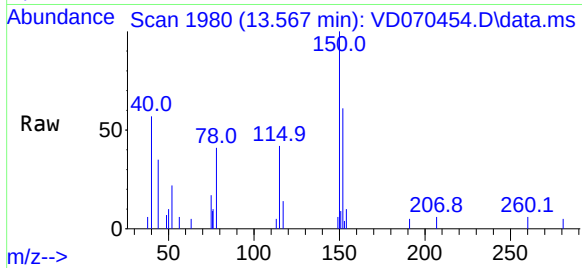


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070454.D
 Acq: 24 Sep 2021 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 S-839-R-SO-6-6.5-092321

Tgt Ion:152 Resp: 3893

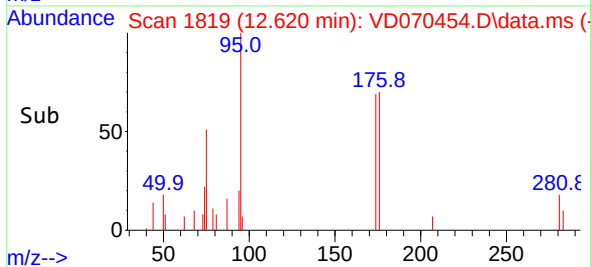
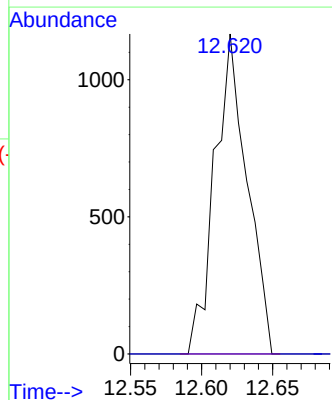
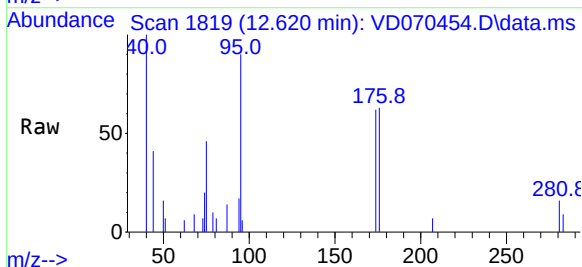
Ion	Ratio	Lower	Upper
152	100		
115	64.3	32.1	96.3
150	174.7	0.0	350.6

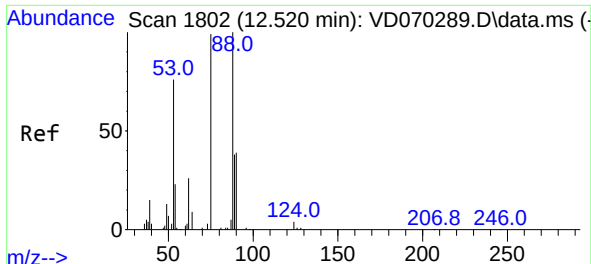


#76
 1,2,3-Trichloropropane
 Concen: 46.90 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD070454.D
 Acq: 24 Sep 2021 14:56

Tgt Ion: 75 Resp: 1847

Ion	Ratio	Lower	Upper
75	100		
77	0.0	174.9	524.7#

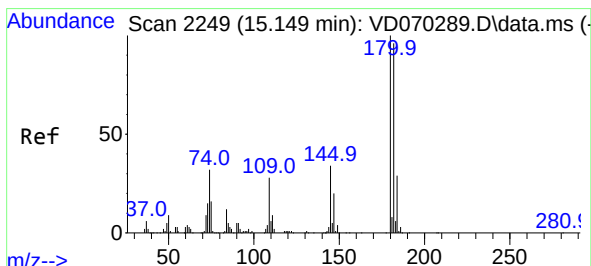
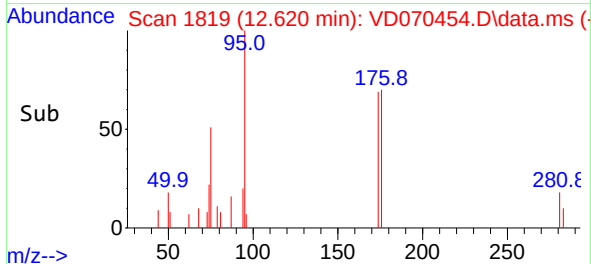
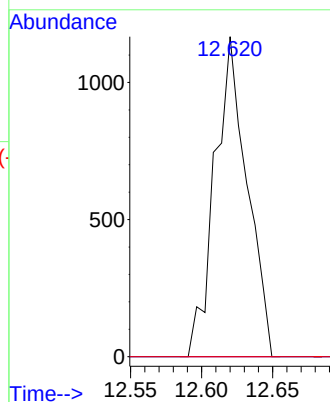
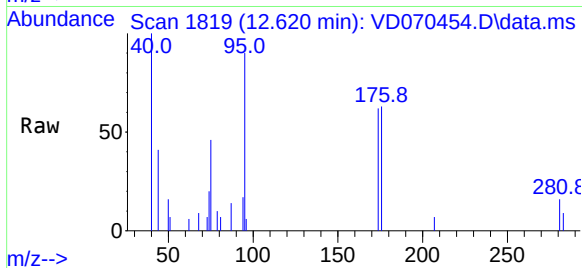




#81
trans-1,4-Dichloro-2-butene
Concen: 117.52 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070454.D
Acq: 24 Sep 2021 14:56

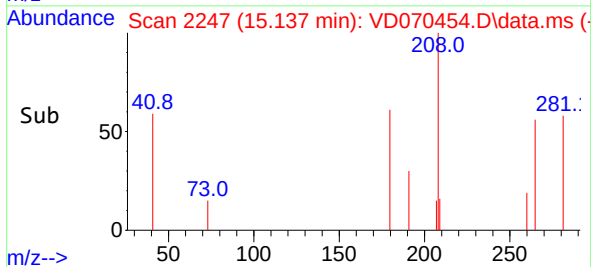
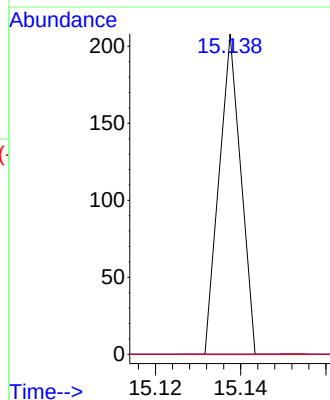
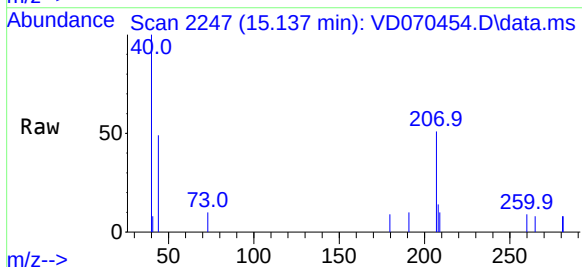
Instrument :
MSVOA_D
ClientSampleId :
S-839-R-SO-6-6.5-092321

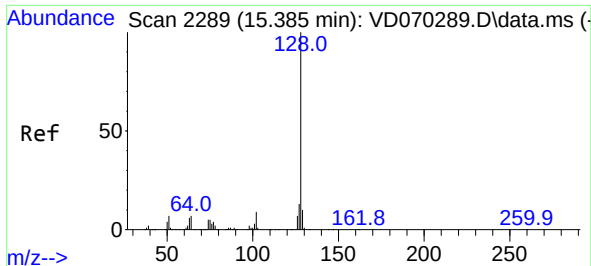
Tgt Ion:	75	Resp:	1847
Ion	Ratio	Lower	Upper
75	100		
53	0.0	64.2	96.2#
89	0.0	35.6	53.4#



#93
1,2,4-Trichlorobenzene
Concen: 1.17 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: 1.84 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 :
S-839-R-SO-6-6.5-092321

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#

