

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092121\
 Data File : VD070404.D
 Acq On : 21 Sep 2021 15:11
 Operator : VA/SY
 Sample : M3824-04
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 22 01:47:52 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)

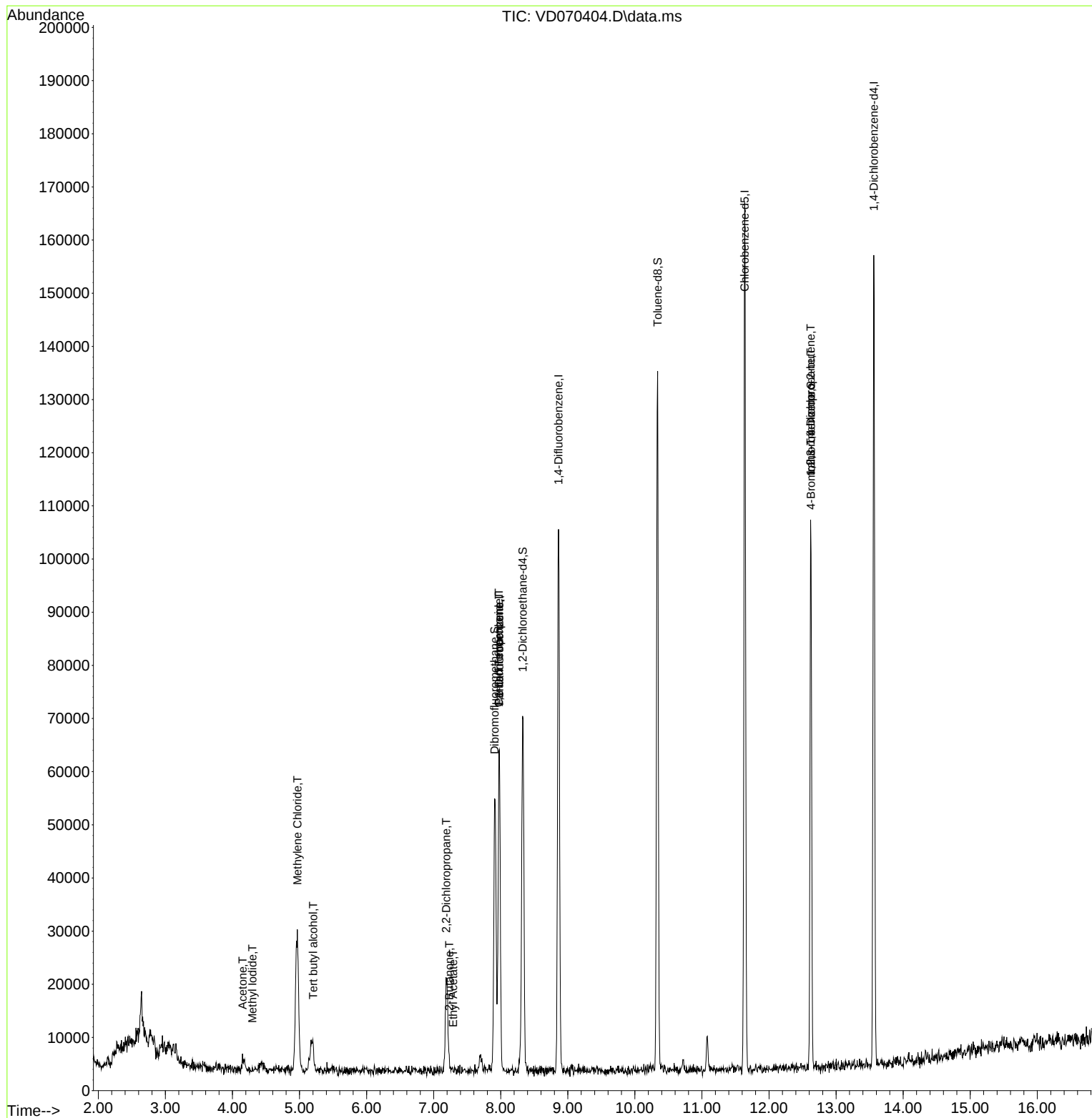
Internal Standards						
1) Pentafluorobenzene	7.979	168	42787	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	88234	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	97979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	41164	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	54983	100.079	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 200.160%#	
35) Dibromofluoromethane	7.909	113	40110	63.863	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 127.720%	
50) Toluene-d8	10.338	98	93568	41.033	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 82.060%	
62) 4-Bromofluorobenzene	12.626	95	34005	42.669	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.340%	
Target Compounds						Qvalue
3) Chloromethane	2.215	50	389	Below Cal	#	42
5) Bromomethane	2.779	94	956	Below Cal		94
6) Chloroethane	2.838	64	127	Below Cal	#	43
10) Methyl Iodide	4.297	142	61	1.142	ug/l #	39
11) Tert butyl alcohol	5.203	59	1924	30.973	ug/l #	100
16) Acetone	4.150	43	3211	32.736	ug/l	97
18) Methyl Acetate	4.662	43	55	Below Cal	#	48
20) Methylene Chloride	4.967	84	21205	32.093	ug/l	88
25) 2-Butanone	7.232	43	389	2.979	ug/l #	47
26) 2,2-Dichloropropane	7.185	77	1310	1.462	ug/l #	51
36) 1,1-Dichloropropene	7.973	75	4603	4.881	ug/l #	42
37) Ethyl Acetate	7.291	43	366	1.038	ug/l #	65
38) Carbon Tetrachloride	7.973	117	4830	5.178	ug/l #	23
76) 1,2,3-Trichloropropane	12.620	75	17096	41.059	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	17096	102.876	ug/l #	17

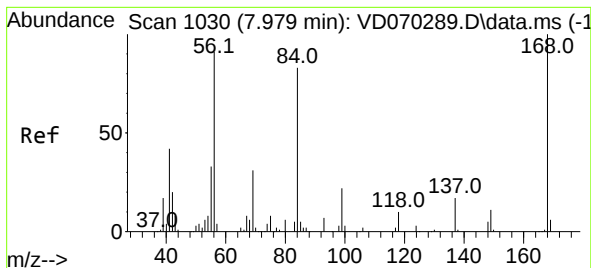
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 22 01:47:52 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
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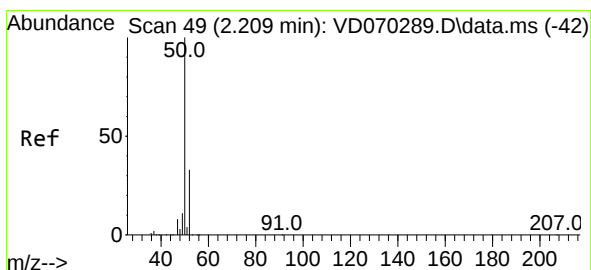
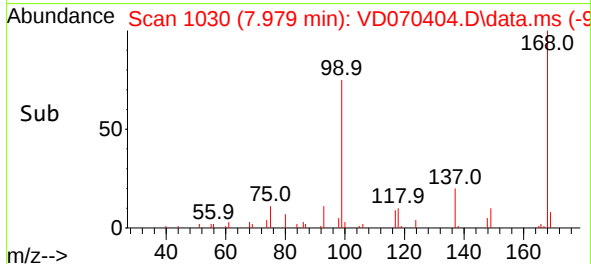
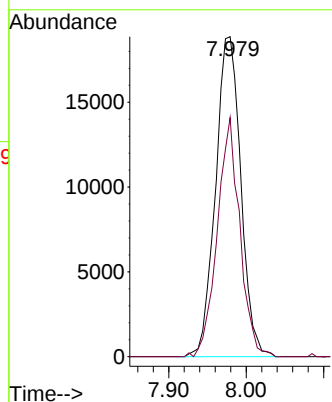
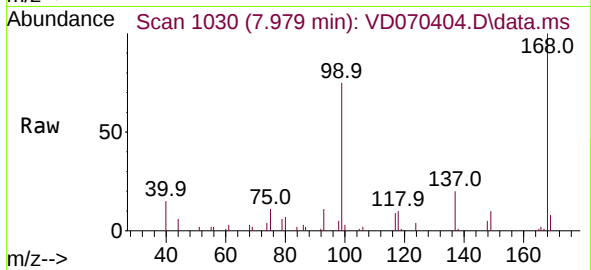




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070404.D
Acq: 21 Sep 2021 15:11

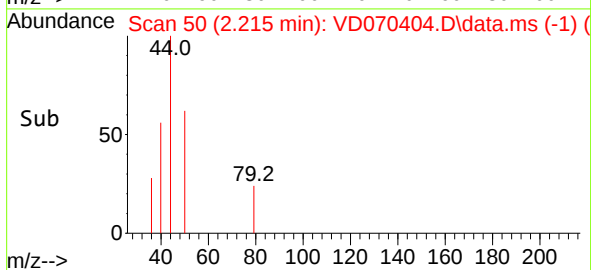
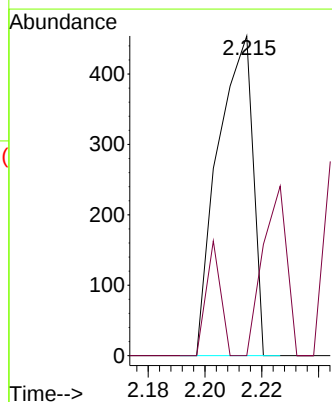
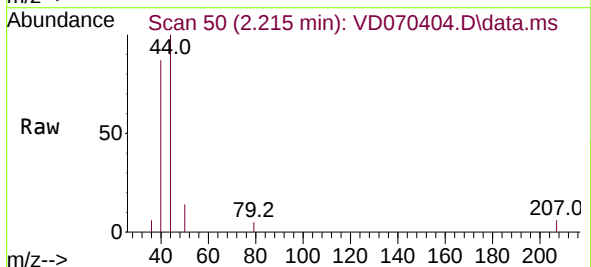
Instrument :
MSVOA_D
ClientSampled :

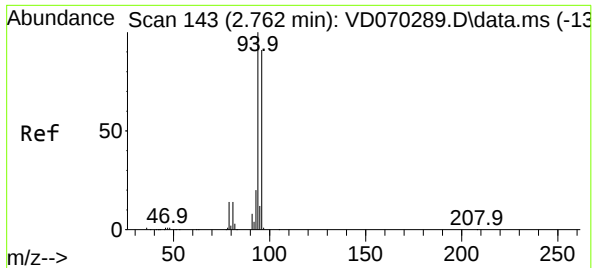
Tgt Ion:168 Resp: 42787
Ion Ratio Lower Upper
168 100
99 74.7 50.8 76.2



#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070404.D
Acq: 21 Sep 2021 15:11

Tgt Ion: 50 Resp: 389
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#

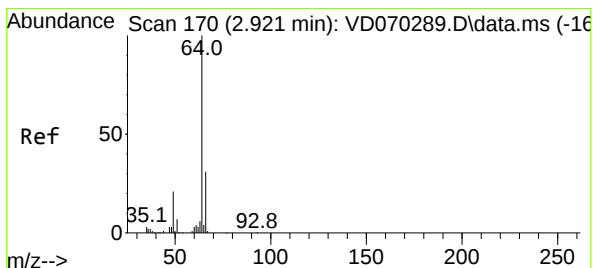
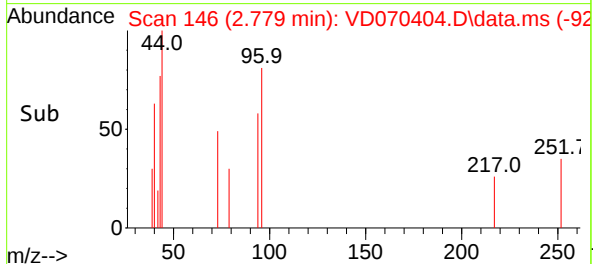
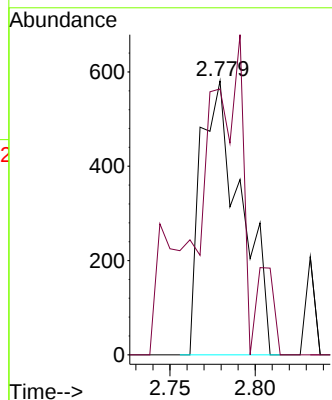
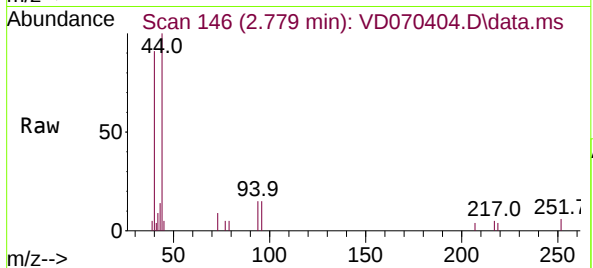




#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070404.D
Acq: 21 Sep 2021 15:11

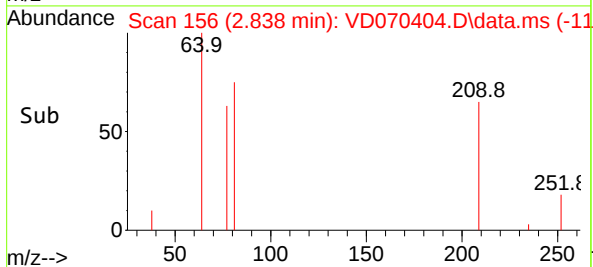
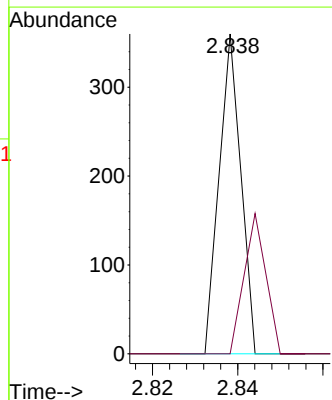
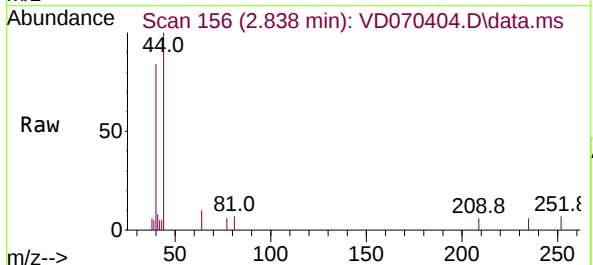
Instrument :
MSVOA_D
ClientSampled :

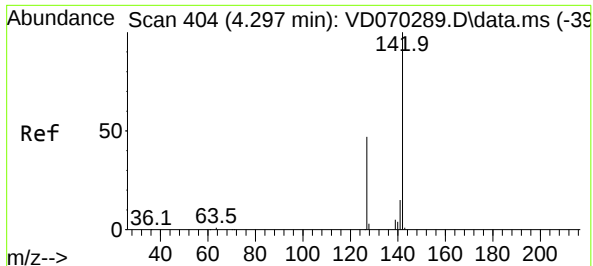
Tgt Ion: 94 Resp: 956
Ion Ratio Lower Upper
94 100
96 97.1 73.0 109.6



#6
Chloroethane
Concen: Below Cal
RT: 2.838 min Scan# 156
Delta R.T. -0.083 min
Lab File: VD070404.D
Acq: 21 Sep 2021 15:11

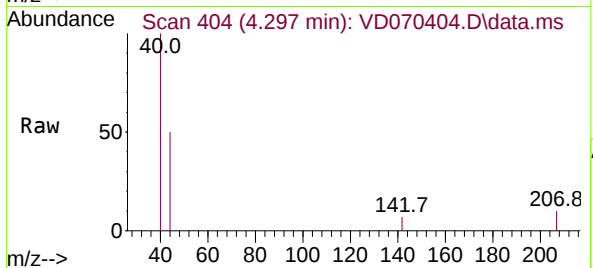
Tgt Ion: 64 Resp: 127
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



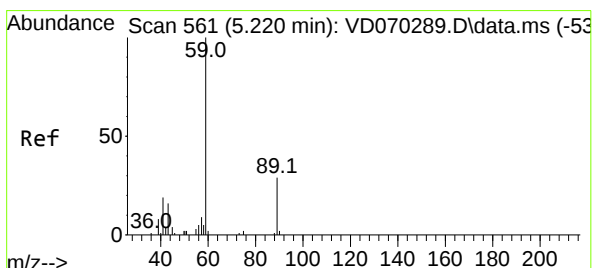
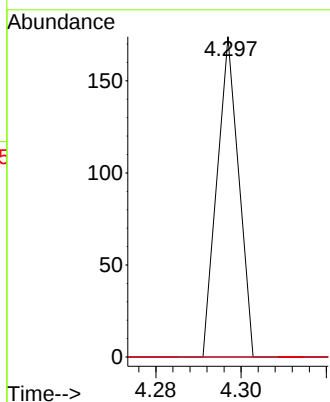
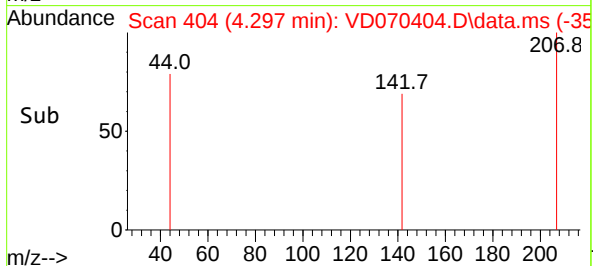


#10
Methyl Iodide
Concen: 1.142 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070404.D
Acq: 21 Sep 2021 15:11

Instrument :
MSVOA_D
ClientSampled :

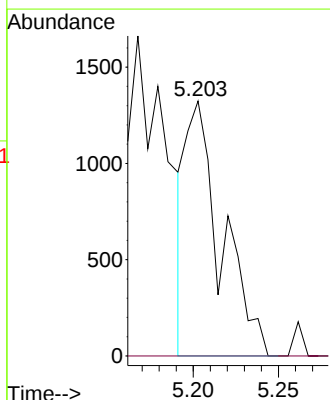
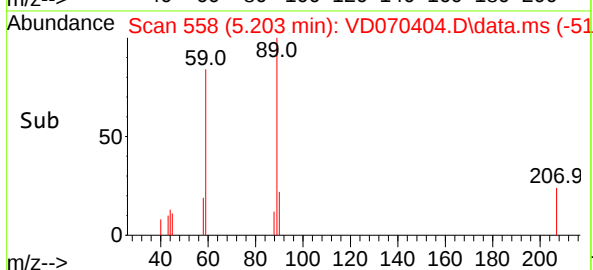
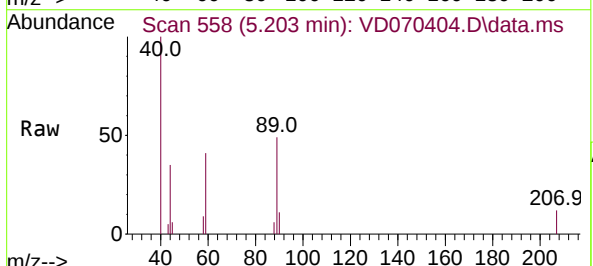


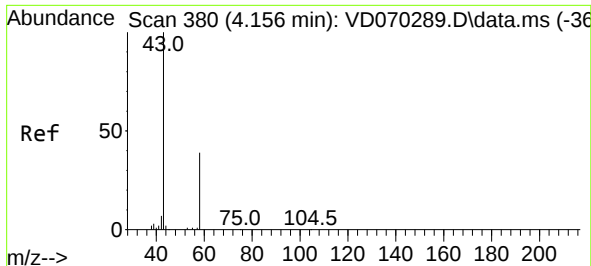
Tgt Ion:142 Resp: 61
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: 30.973 ug/l
RT: 5.203 min Scan# 558
Delta R.T. -0.017 min
Lab File: VD070404.D
Acq: 21 Sep 2021 15:11

Tgt Ion: 59 Resp: 1924
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

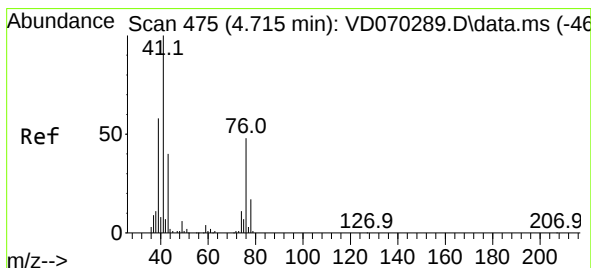
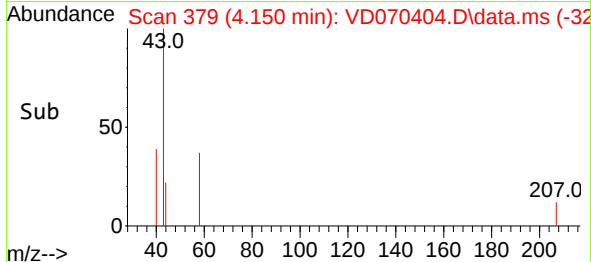
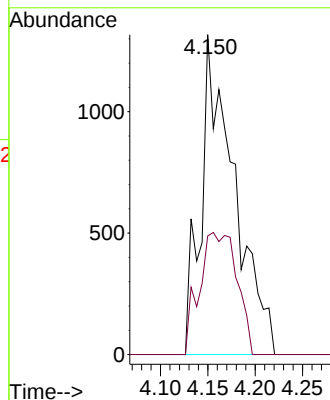
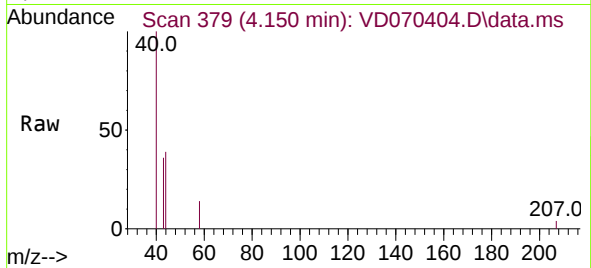




#16
Acetone
Concen: 32.736 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070404.D
Acq: 21 Sep 2021 15:11

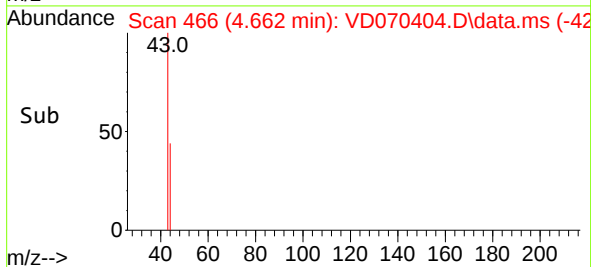
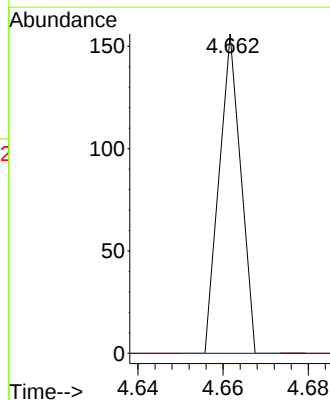
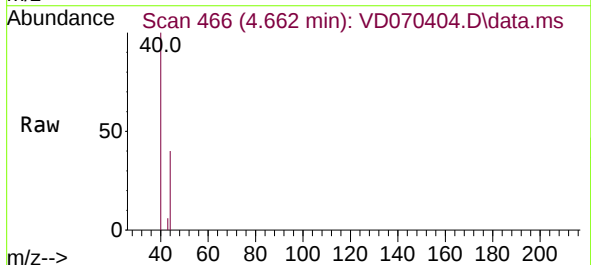
Instrument :
MSVOA_D
ClientSampled :

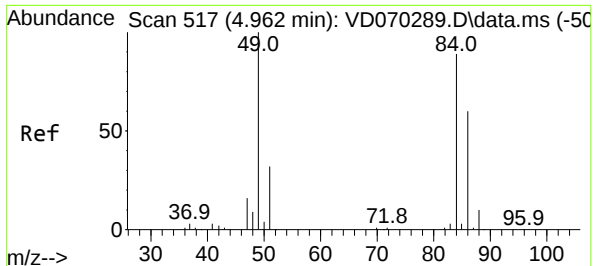
Tgt Ion: 43 Resp: 3211
Ion Ratio Lower Upper
43 100
58 37.1 30.9 46.3



#18
Methyl Acetate
Concen: Below Cal
RT: 4.662 min Scan# 466
Delta R.T. -0.053 min
Lab File: VD070404.D
Acq: 21 Sep 2021 15:11

Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#





#20

Methylene Chloride

Concen: 32.093 ug/l

RT: 4.967 min Scan# 518

Delta R.T. 0.005 min

Lab File: VD070404.D

Acq: 21 Sep 2021 15:11

Tgt Ion: 84 Resp: 21205

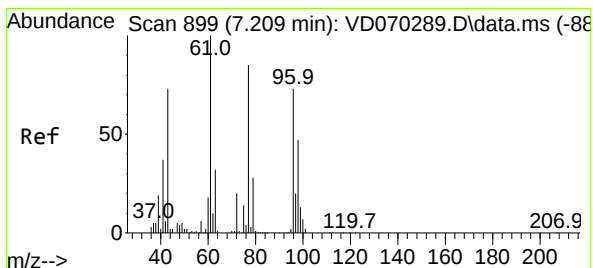
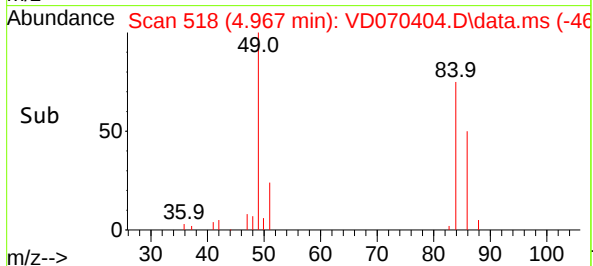
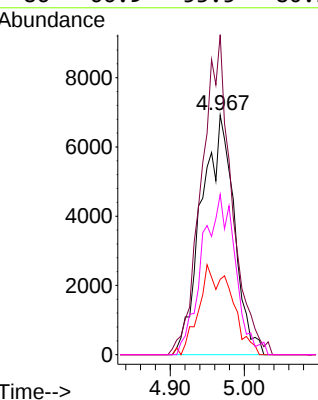
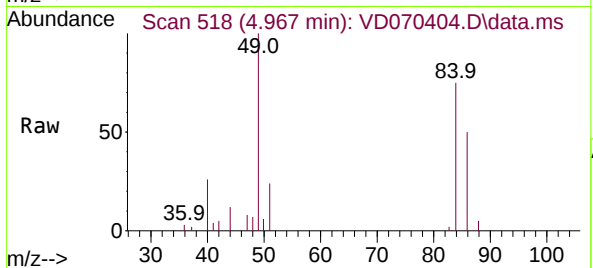
Ion Ratio Lower Upper

84 100

49 133.6 89.6 134.4

51 31.4 28.6 43.0

86 66.9 53.5 80.3



#25

2-Butanone

Concen: 2.979 ug/l

RT: 7.232 min Scan# 903

Delta R.T. 0.023 min

Lab File: VD070404.D

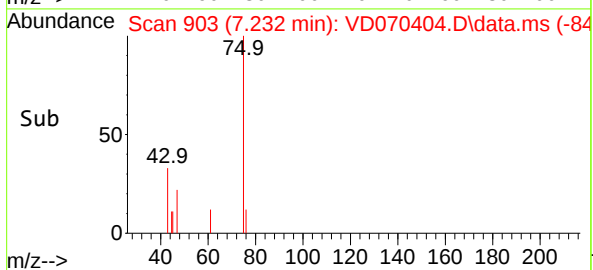
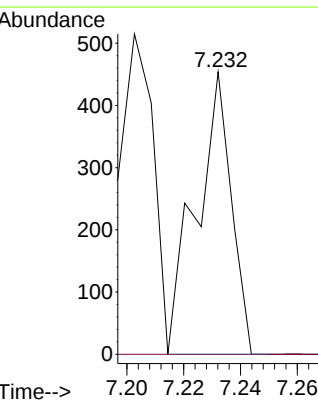
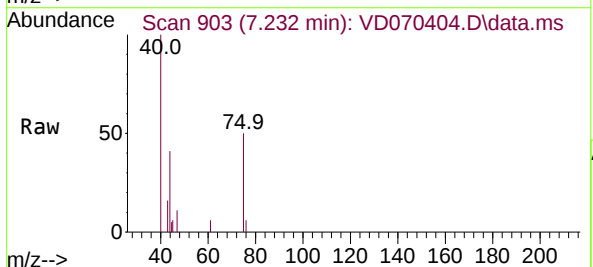
Acq: 21 Sep 2021 15:11

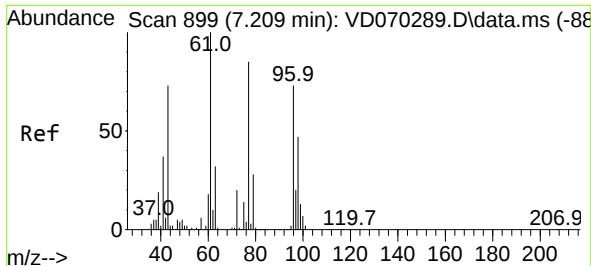
Tgt Ion: 43 Resp: 389

Ion Ratio Lower Upper

43 100

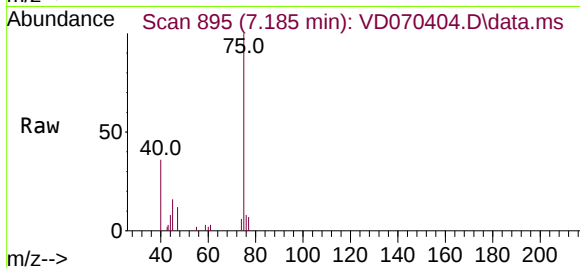
72 0.0 22.2 33.4#



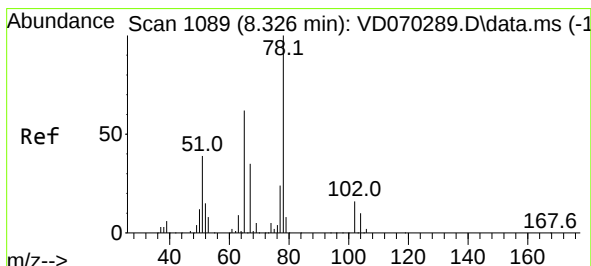
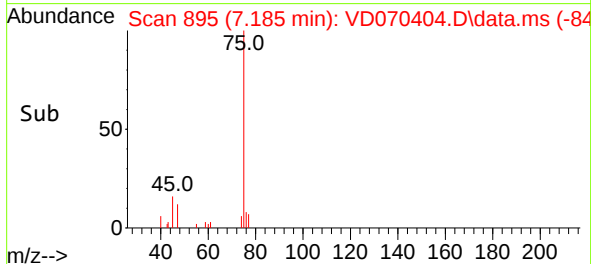
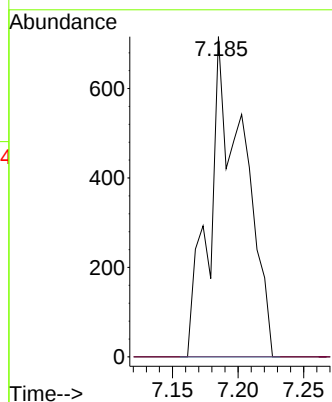


#26
2,2-Dichloropropane
Concen: 1.462 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.024 min
Lab File: VD070404.D
Acq: 21 Sep 2021 15:11

Instrument :
MSVOA_D
ClientSampled :

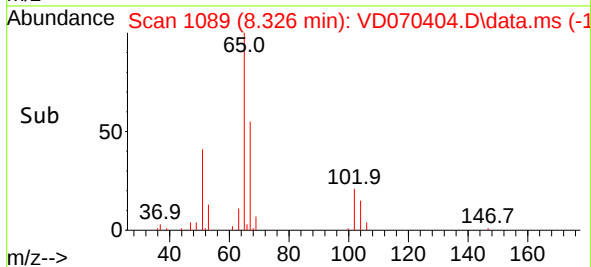
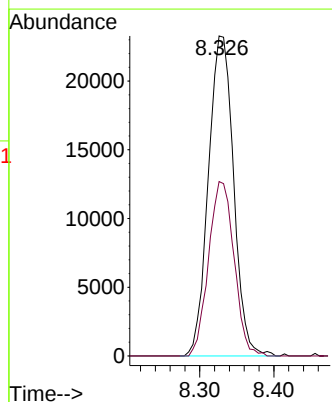
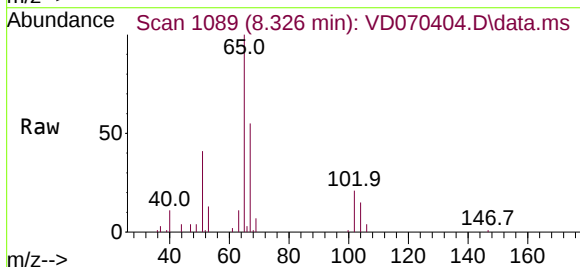


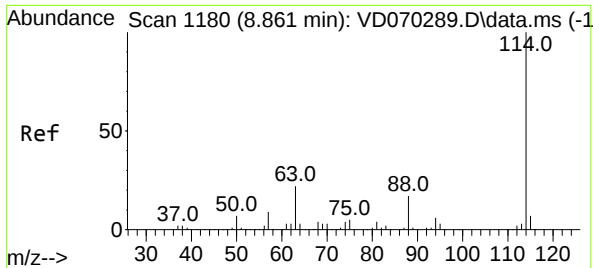
Tgt Ion: 77 Resp: 1310
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.9#



#33
1,2-Dichloroethane-d4
Concen: 100.079 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070404.D
Acq: 21 Sep 2021 15:11

Tgt Ion: 65 Resp: 54983
Ion Ratio Lower Upper
65 100
67 55.0 0.0 111.4

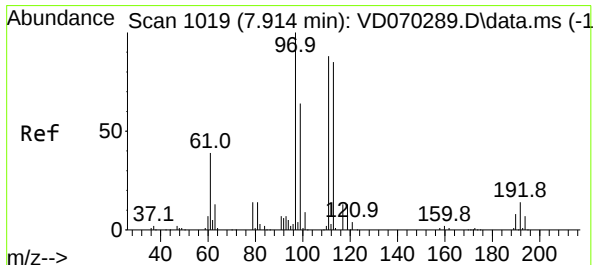
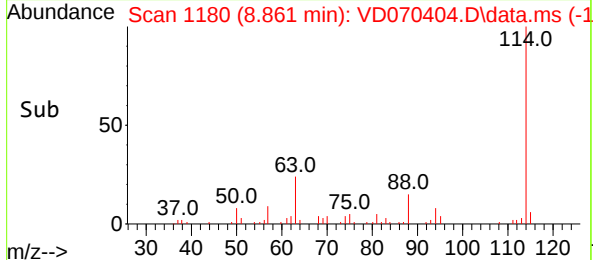
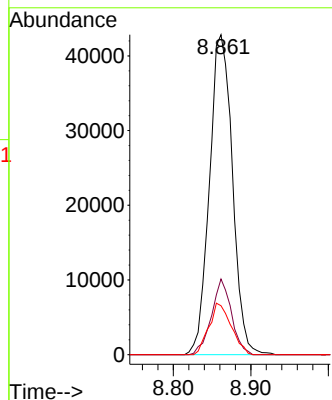
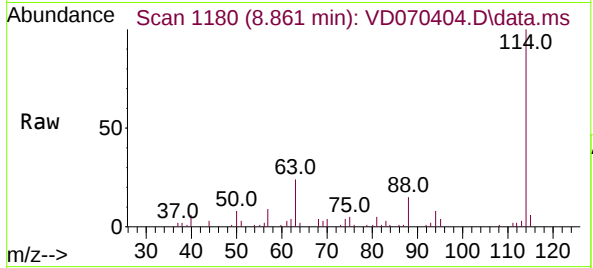




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070404.D
Acq: 21 Sep 2021 15:11

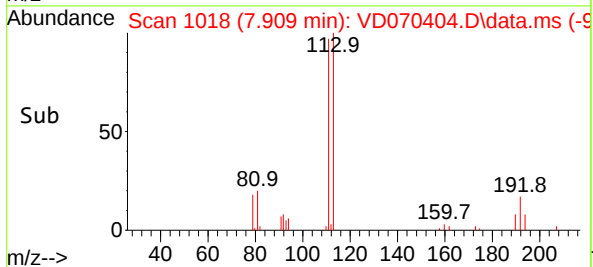
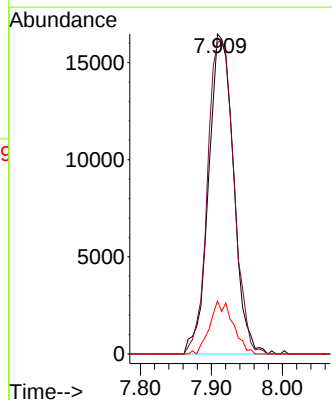
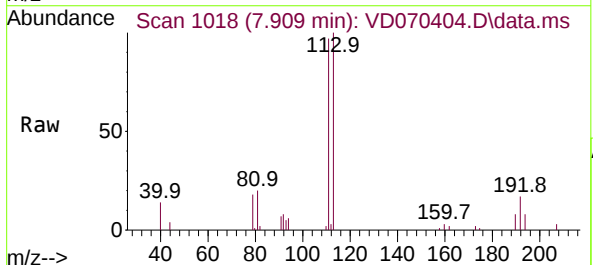
Instrument :
MSVOA_D
ClientSampled :

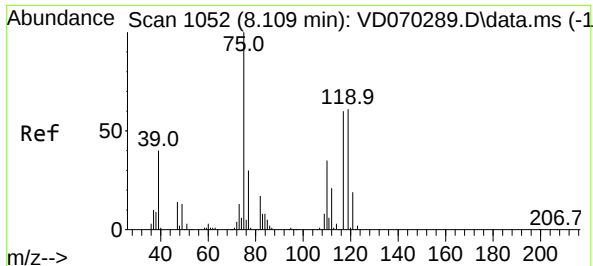
Tgt Ion:114	Resp:	88234
Ion Ratio	Lower	Upper
114	100	
63	23.6	0.0 43.4
88	15.3	0.0 33.4



#35
Dibromofluoromethane
Concen: 63.863 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070404.D
Acq: 21 Sep 2021 15:11

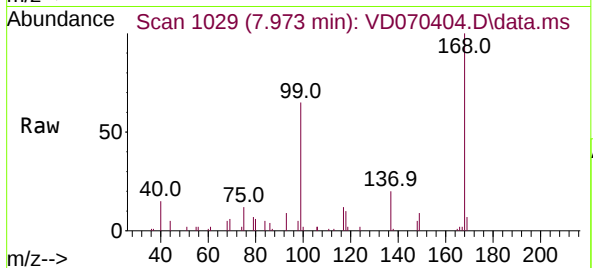
Tgt Ion:113	Resp:	40110
Ion Ratio	Lower	Upper
113	100	
111	103.4	81.4 122.2
192	15.4	13.0 19.6



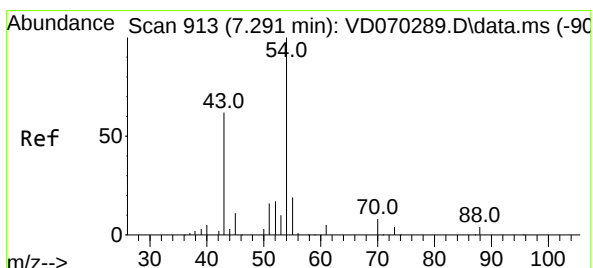
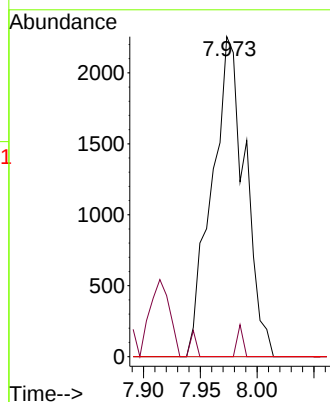
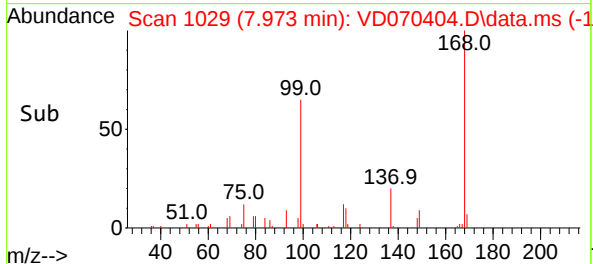


#36
1,1-Dichloropropene
Concen: 4.881 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070404.D
Acq: 21 Sep 2021 15:11

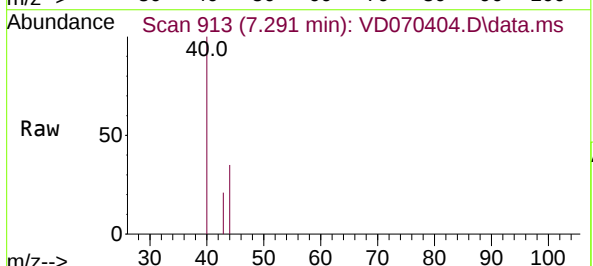
Instrument :
MSVOA_D
ClientSampled :



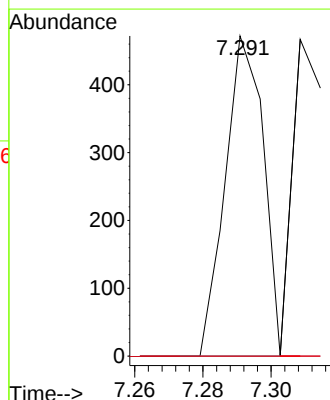
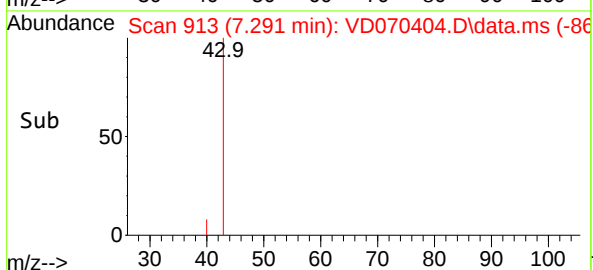
Tgt Ion: 75 Resp: 4603
Ion Ratio Lower Upper
75 100
110 1.7 17.9 53.7#
77 0.0 25.3 37.9#

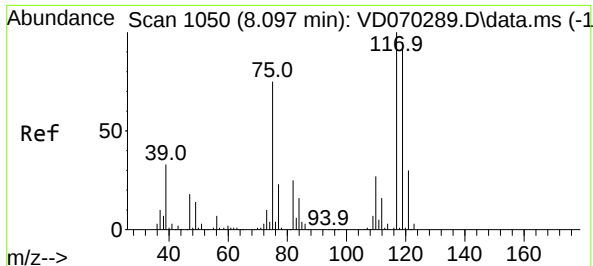


#37
Ethyl Acetate
Concen: 1.038 ug/l
RT: 7.291 min Scan# 913
Delta R.T. -0.000 min
Lab File: VD070404.D
Acq: 21 Sep 2021 15:11



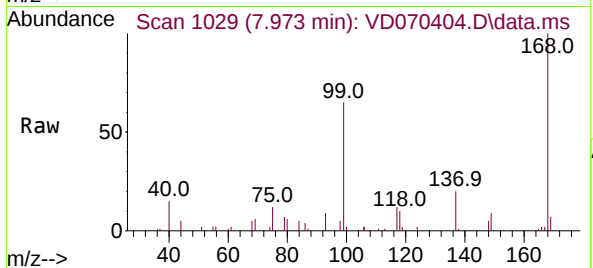
Tgt Ion: 43 Resp: 366
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.6#
70 0.0 9.8 14.6#



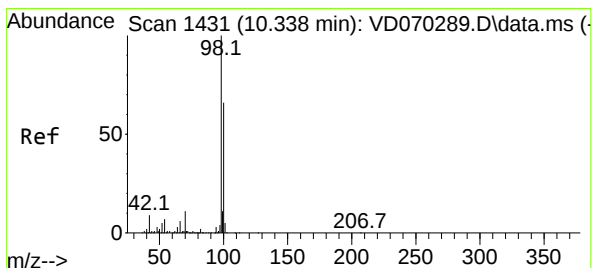
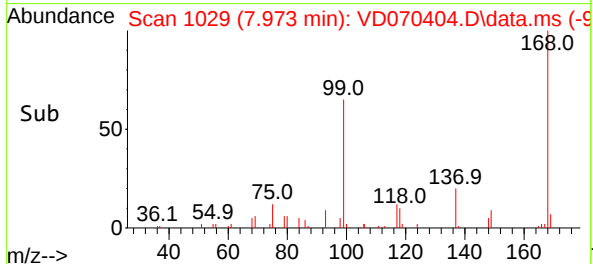
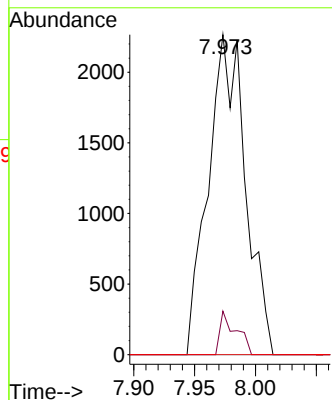


#38
Carbon Tetrachloride
Concen: 5.178 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070404.D
Acq: 21 Sep 2021 15:11

Instrument :
MSVOA_D
ClientSampled :

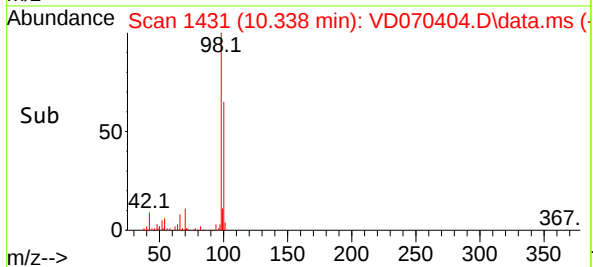
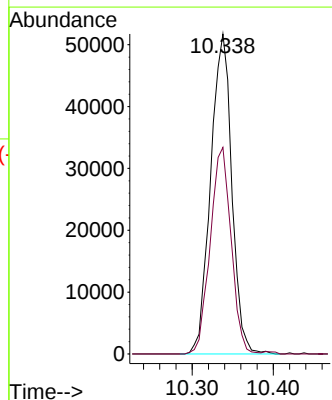
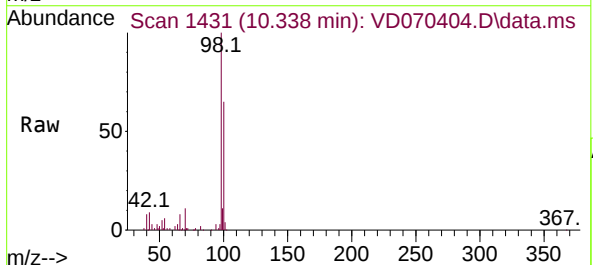


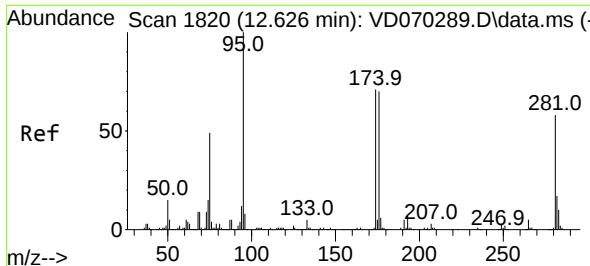
Tgt Ion:117 Resp: 4830
Ion Ratio Lower Upper
117 100
119 13.6 76.1 114.1#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 41.033 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070404.D
Acq: 21 Sep 2021 15:11

Tgt Ion: 98 Resp: 93568
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0

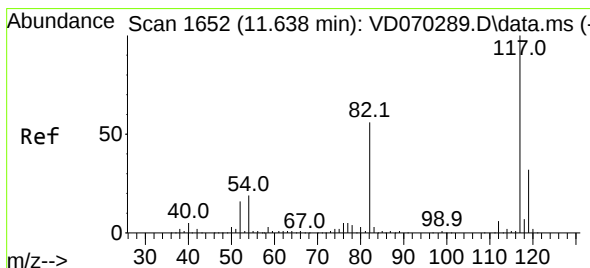
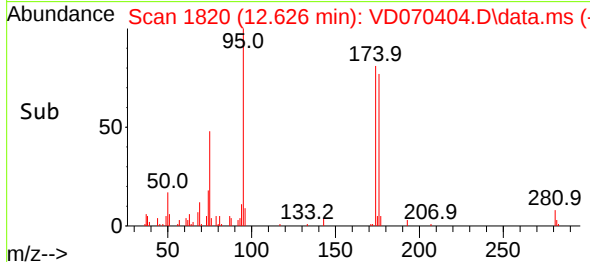
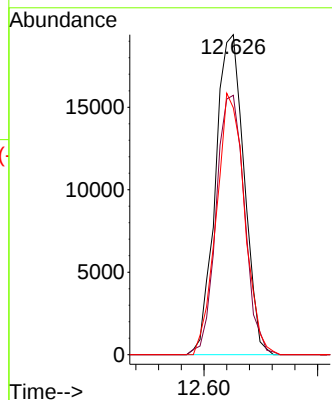
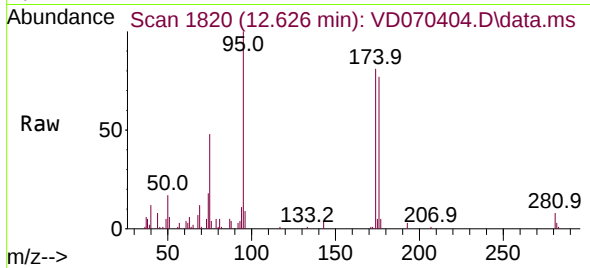




#62
4-Bromofluorobenzene
Concen: 42.669 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070404.D
Acq: 21 Sep 2021 15:11

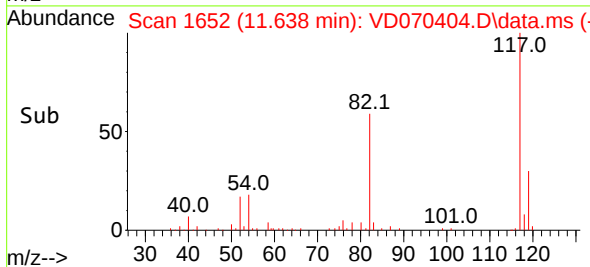
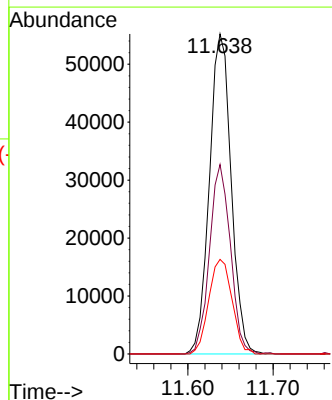
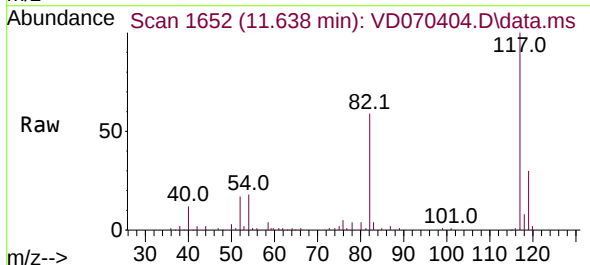
Instrument :
MSVOA_D
ClientSampleId :

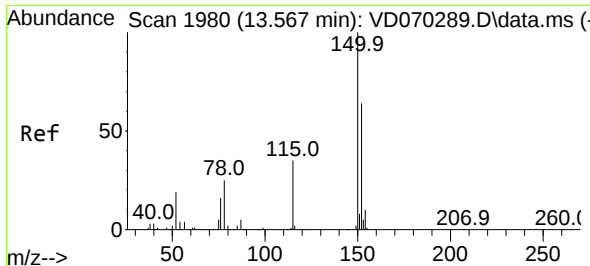
Tgt Ion: 95 Resp: 34005
Ion Ratio Lower Upper
95 100
174 79.9 0.0 140.6
176 80.4 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070404.D
Acq: 21 Sep 2021 15:11

Tgt Ion: 117 Resp: 97979
Ion Ratio Lower Upper
117 100
82 59.2 45.0 67.4
119 29.6 25.2 37.8

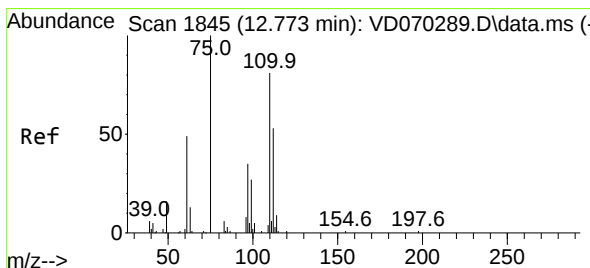
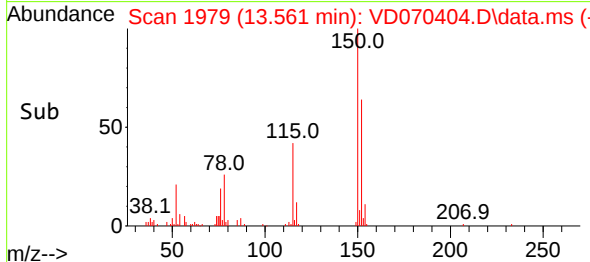
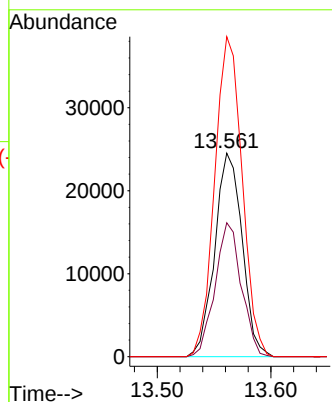
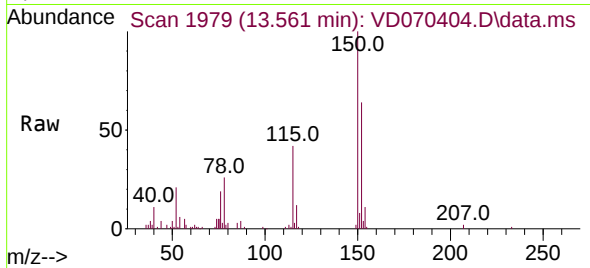




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070404.D
Acq: 21 Sep 2021 15:11

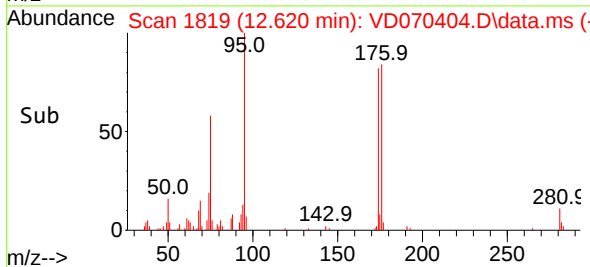
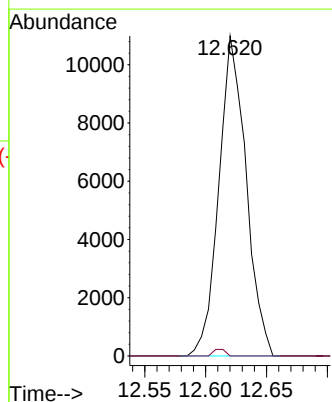
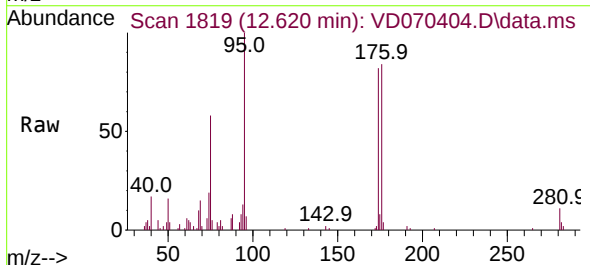
Instrument :
MSVOA_D
ClientSampleId :

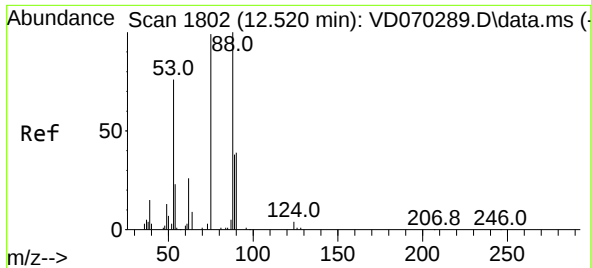
Tgt Ion:152 Resp: 41164
Ion Ratio Lower Upper
152 100
115 63.1 32.1 96.3
150 157.5 0.0 350.6



#76
1,2,3-Trichloropropane
Concen: 41.059 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070404.D
Acq: 21 Sep 2021 15:11

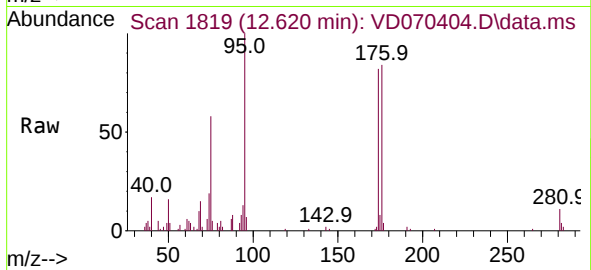
Tgt Ion: 75 Resp: 17096
Ion Ratio Lower Upper
75 100
77 0.9 174.9 524.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 102.876 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070404.D
Acq: 21 Sep 2021 15:11

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	75	Resp:	17096
Ion	Ratio	Lower	Upper
75	100		
53	0.0	64.2	96.2#
89	0.0	35.6	53.4#

