

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102821\
 Data File : VD070896.D
 Acq On : 28 Oct 2021 17:19
 Operator : VA/SY
 Sample : M4395-04
 Misc : 2.85G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 29 06:35:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

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

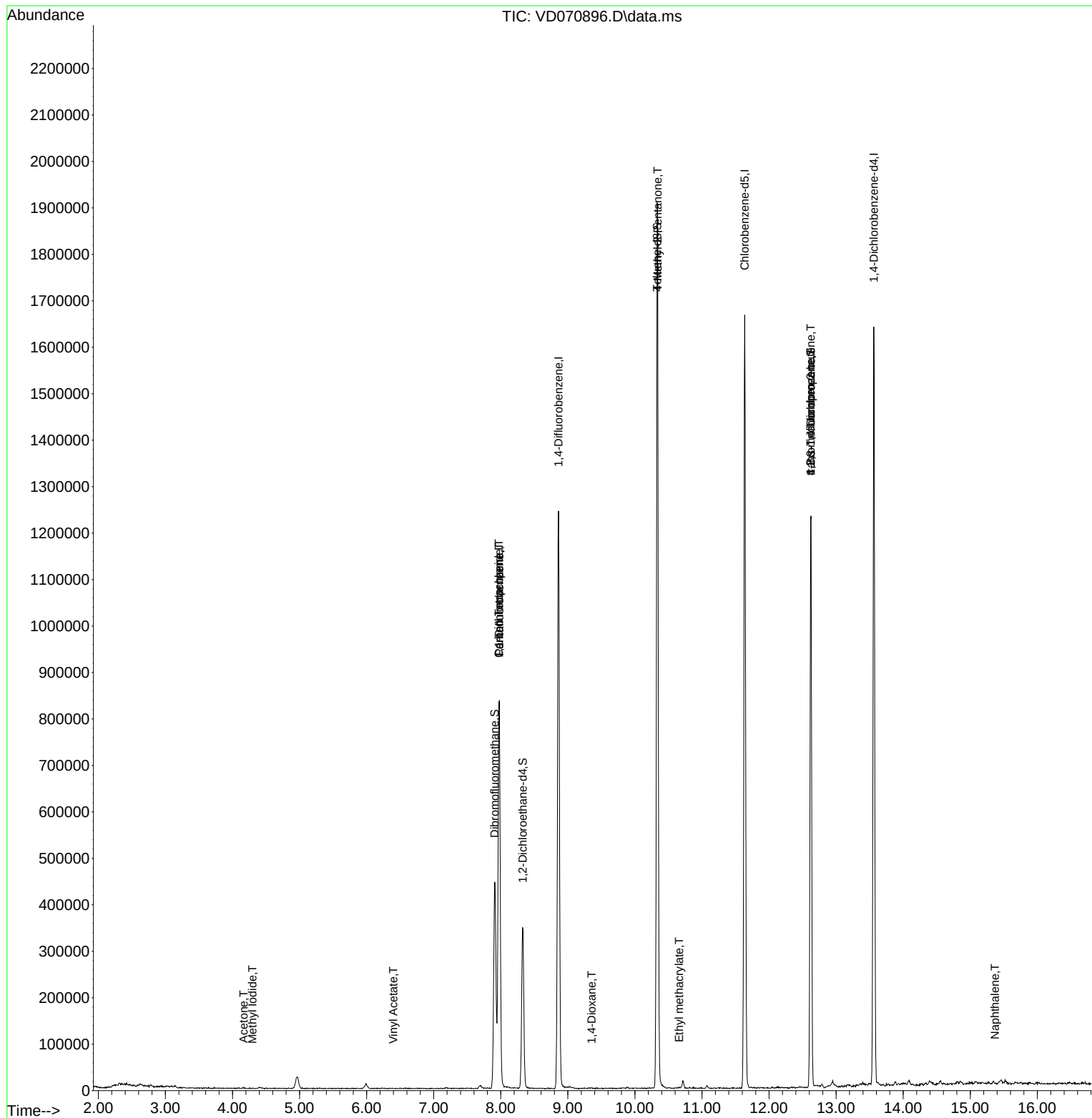
Internal Standards						
1) Pentafluorobenzene	7.979	168	651064	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1105892	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1022679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	459162	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	268592	41.018	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.040%		
35) Dibromofluoromethane	7.908	113	333924	45.795	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.600%		
50) Toluene-d8	10.332	98	1367306	49.842	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.680%		
62) 4-Bromofluorobenzene	12.620	95	438389	48.434	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.860%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.744	94	82	Below Cal	#	70
10) Methyl Iodide	4.297	142	493	3.668	ug/l #	53
16) Acetone	4.167	43	1749	1.148	ug/l	93
20) Methylene Chloride	4.967	84	21304	Below Cal	#	79
23) Vinyl Acetate	6.397	43	69	14.421	ug/l #	72
36) 1,1-Dichloropropene	7.973	75	48096	4.157	ug/l #	48
38) Carbon Tetrachloride	7.973	117	63159	5.428	ug/l #	18
49) 1,4-Dioxane	9.355	88	83	1.779	ug/l #	23
51) 4-Methyl-2-Pentanone	10.338	43	4571	1.090	ug/l #	1
56) Ethyl methacrylate	10.661	69	417	2.893	ug/l #	86
76) 1,2,3-Trichloropropane	12.620	75	199407	44.116	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	199407	115.789	ug/l #	18
95) Naphthalene	15.367	128	453	4.153	ug/l #	87

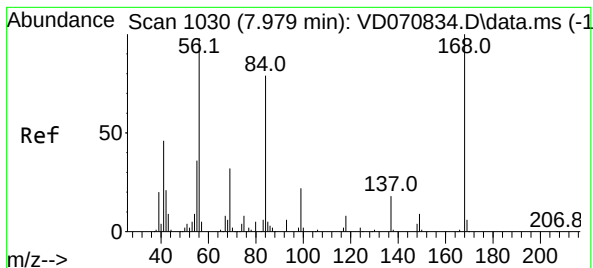
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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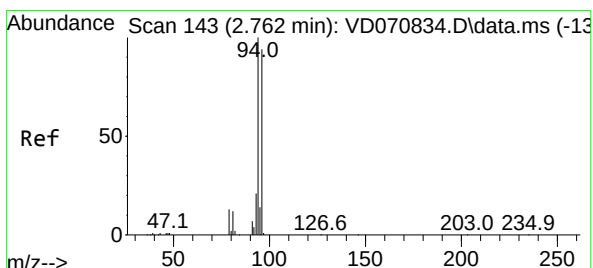
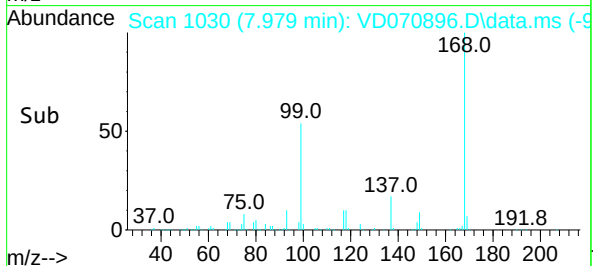
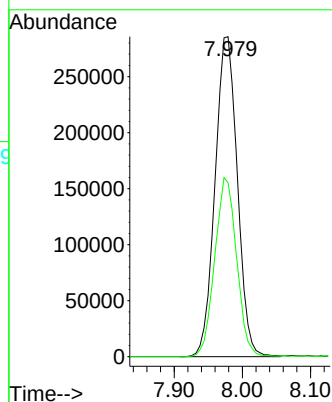
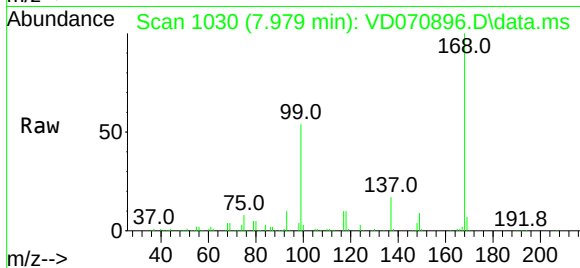




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070896.D
Acq: 28 Oct 2021 17:19

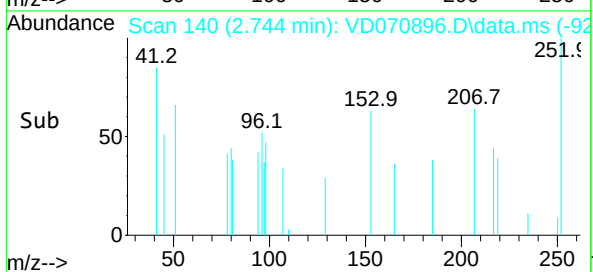
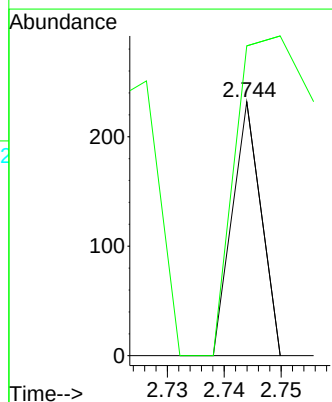
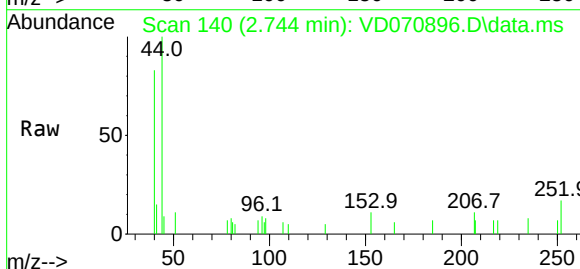
Instrument :
MSVOA_D
ClientSampled :

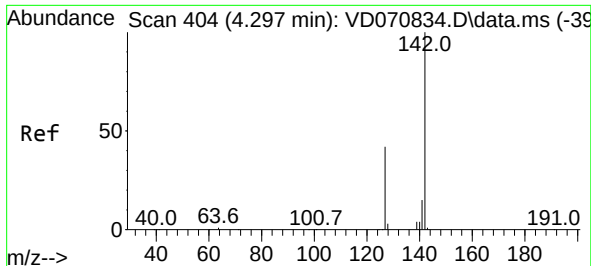
Tgt Ion:168 Resp: 651064
Ion Ratio Lower Upper
168 100
99 54.4 46.6 69.8



#5
Bromomethane
Concen: Below Cal
RT: 2.744 min Scan# 140
Delta R.T. -0.018 min
Lab File: VD070896.D
Acq: 28 Oct 2021 17:19

Tgt Ion: 94 Resp: 82
Ion Ratio Lower Upper
94 100
96 122.0 74.8 112.2#

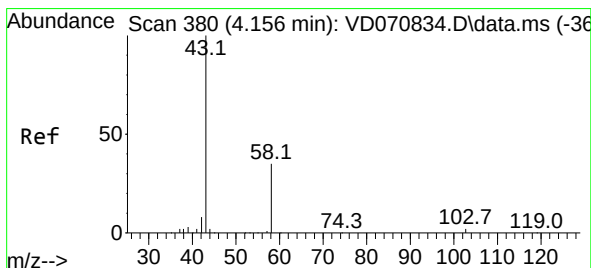
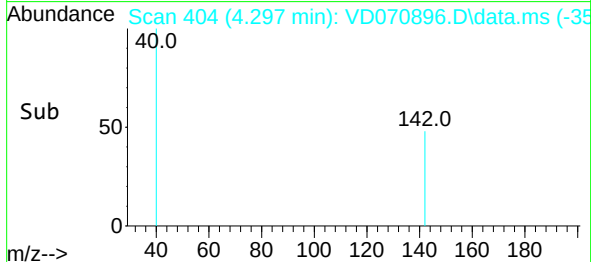
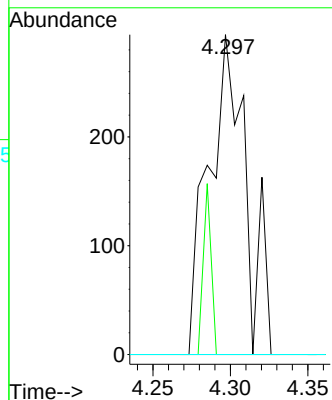
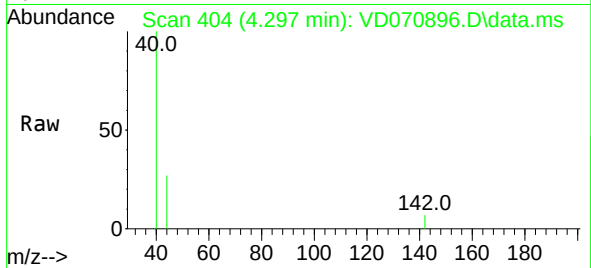




#10
Methyl Iodide
Concen: 3.668 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070896.D
Acq: 28 Oct 2021 17:19

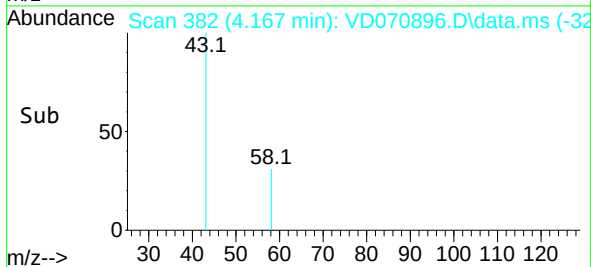
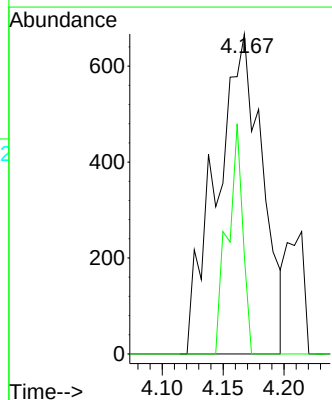
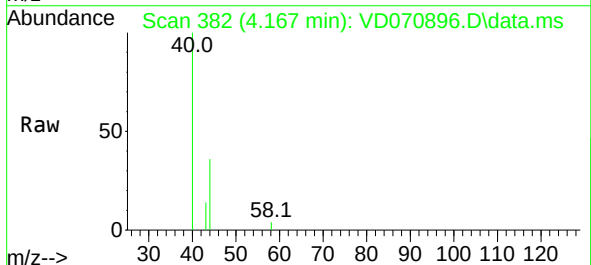
Instrument :
MSVOA_D
ClientSampled :

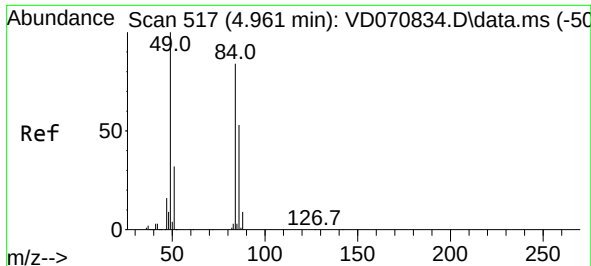
Tgt Ion:142 Resp: 493
Ion Ratio Lower Upper
142 100
127 11.2 35.0 52.4#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 1.148 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070896.D
Acq: 28 Oct 2021 17:19

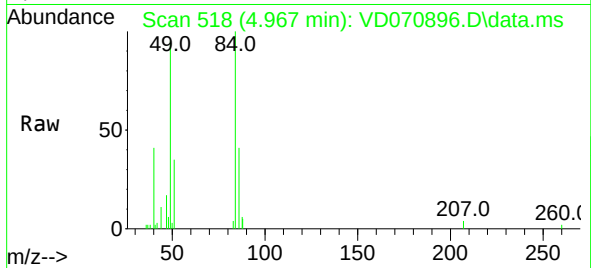
Tgt Ion: 43 Resp: 1749
Ion Ratio Lower Upper
43 100
58 30.6 27.8 41.8



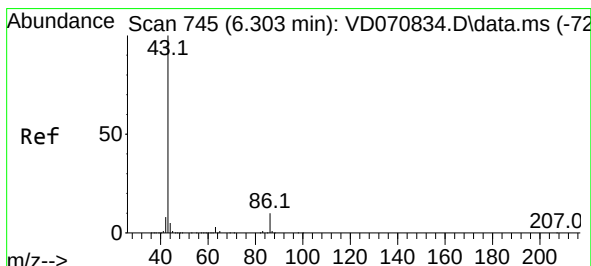
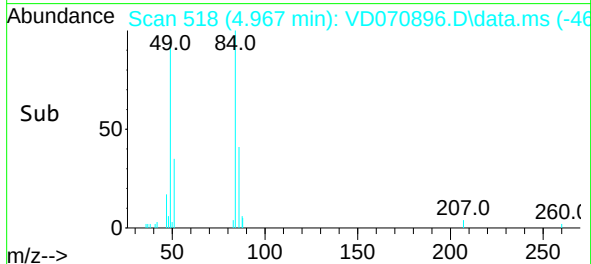
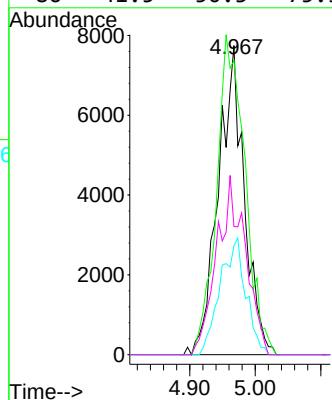


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD070896.D
Acq: 28 Oct 2021 17:19

Instrument :
MSVOA_D
ClientSampleId :

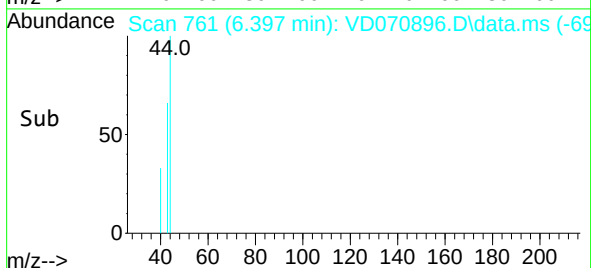
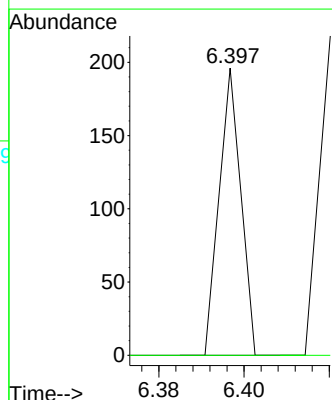
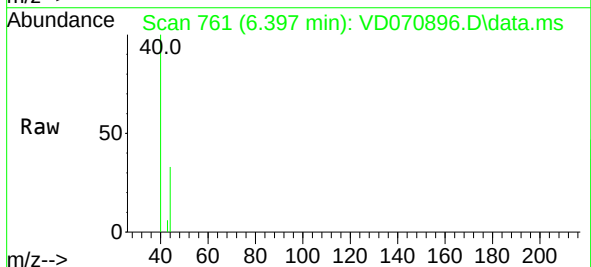


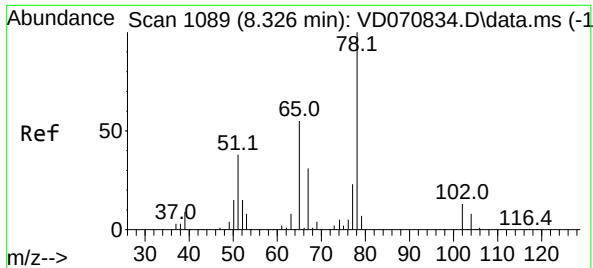
Tgt Ion:	84	Resp:	21304
Ion	Ratio	Lower	Upper
84	100		
49	95.2	95.8	143.6#
51	35.2	30.9	46.3
86	41.5	50.3	75.5#



#23
Vinyl Acetate
Concen: 14.421 ug/l
RT: 6.397 min Scan# 761
Delta R.T. 0.094 min
Lab File: VD070896.D
Acq: 28 Oct 2021 17:19

Tgt Ion:	43	Resp:	69
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#

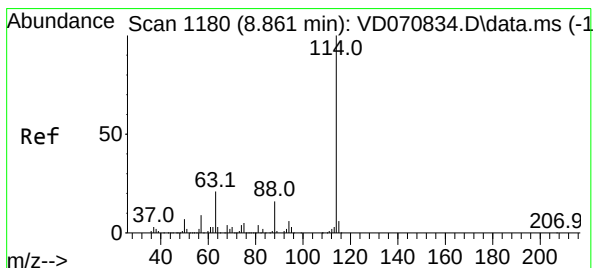
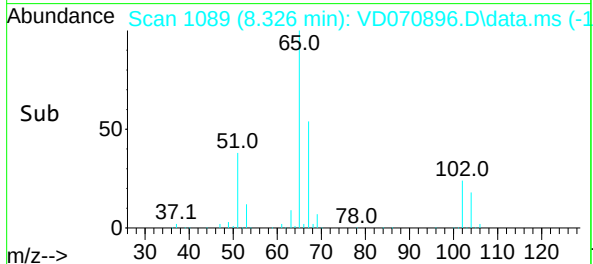
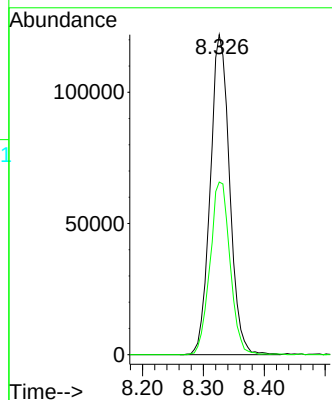
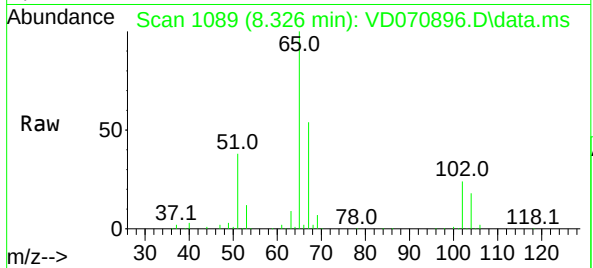




#33
1,2-Dichloroethane-d4
Concen: 41.018 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070896.D
Acq: 28 Oct 2021 17:19

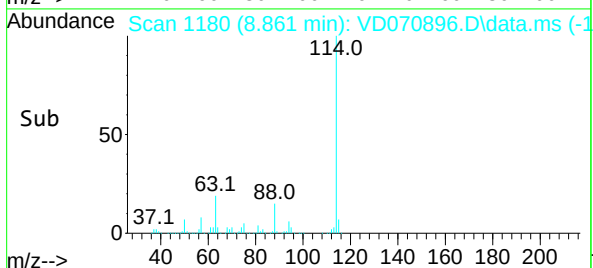
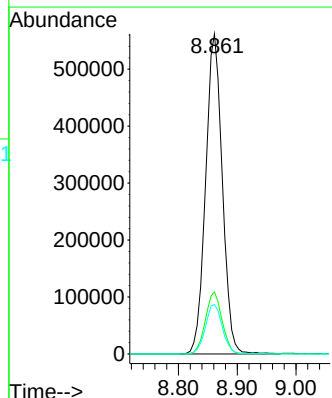
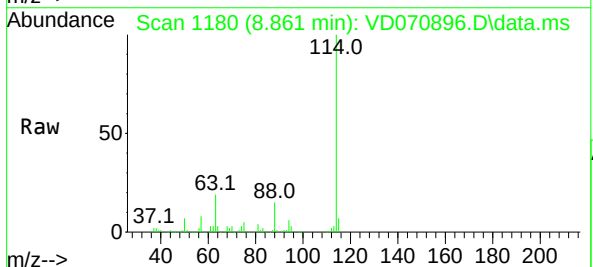
Instrument :
MSVOA_D
ClientSampleId :

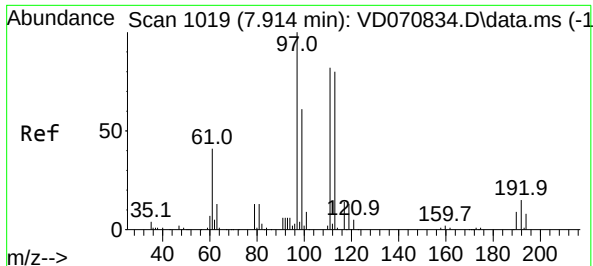
Tgt Ion: 65 Resp: 268592
Ion Ratio Lower Upper
65 100
67 55.8 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070896.D
Acq: 28 Oct 2021 17:19

Tgt Ion: 114 Resp: 1105892
Ion Ratio Lower Upper
114 100
63 19.4 0.0 41.8
88 15.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 45.795 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070896.D

Acq: 28 Oct 2021 17:19

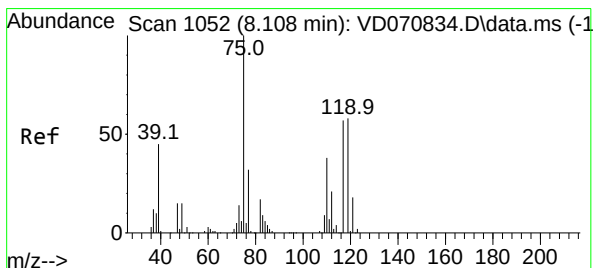
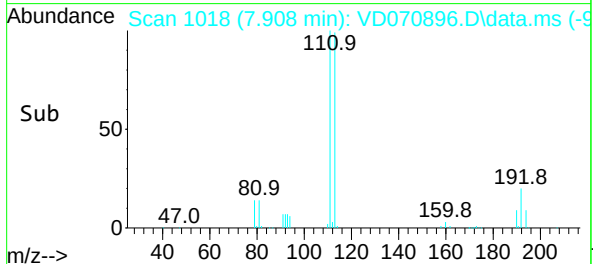
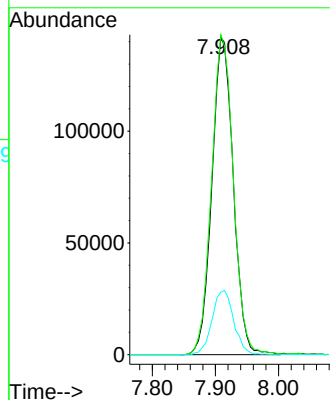
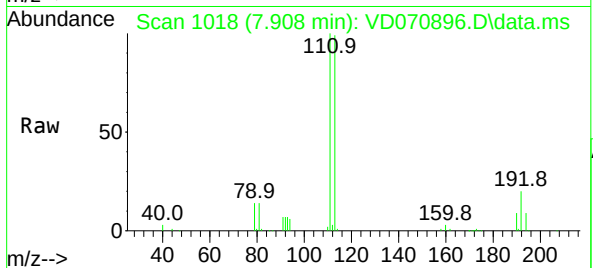
Tgt Ion:113 Resp: 333924

Ion Ratio Lower Upper

113 100

111 103.2 82.0 123.0

192 20.5 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.157 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD070896.D

Acq: 28 Oct 2021 17:19

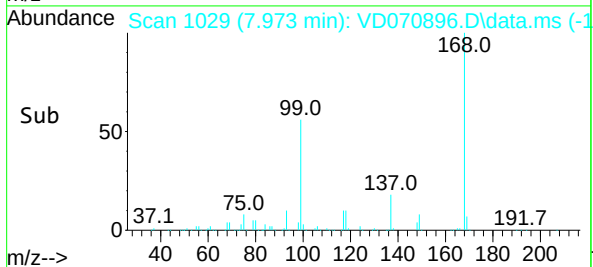
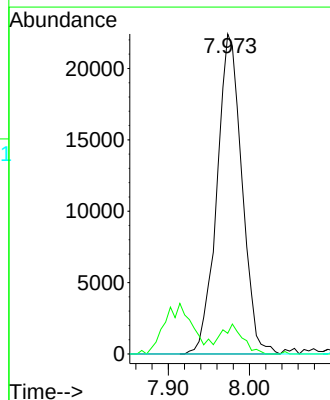
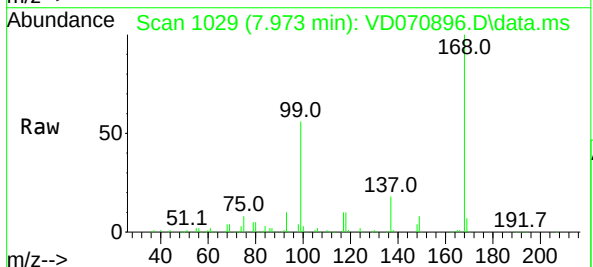
Tgt Ion: 75 Resp: 48096

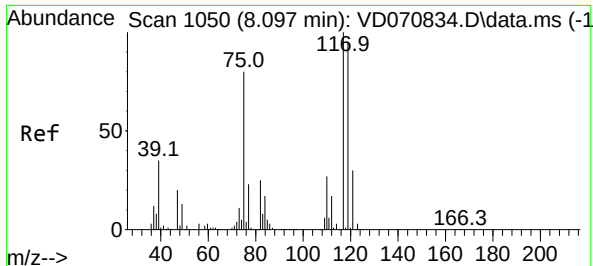
Ion Ratio Lower Upper

75 100

110 7.9 17.8 53.4#

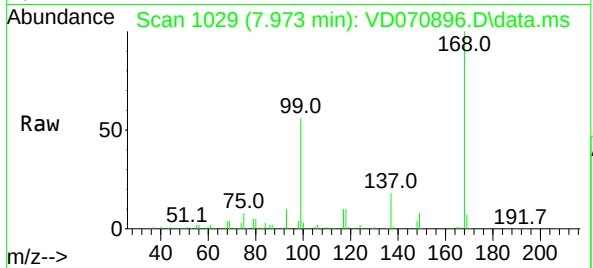
77 0.0 24.8 37.2#



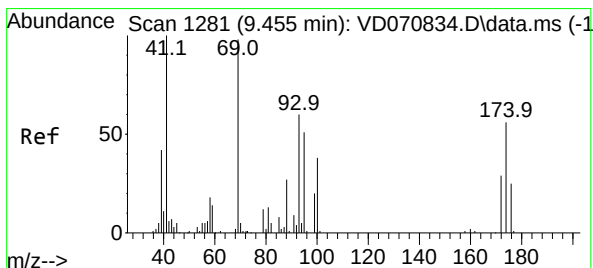
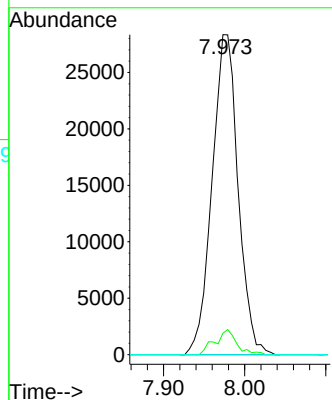
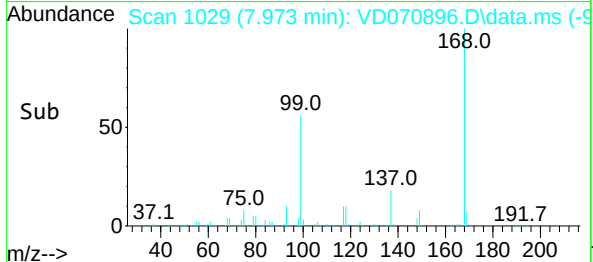


#38
Carbon Tetrachloride
Concen: 5.428 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD070896.D
Acq: 28 Oct 2021 17:19

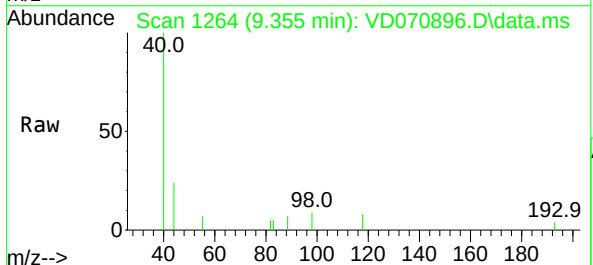
Instrument :
MSVOA_D
ClientSampled :



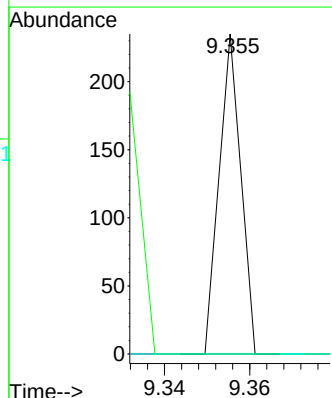
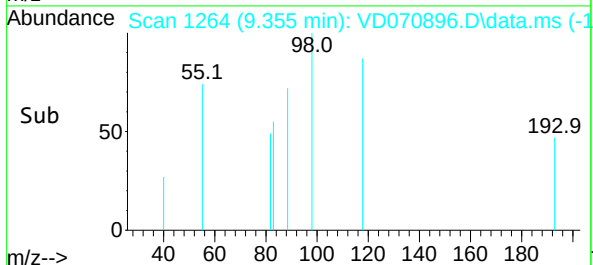
Tgt Ion: 117 Resp: 63159
Ion Ratio Lower Upper
117 100
119 6.7 75.8 113.6#
121 0.0 23.6 35.4#

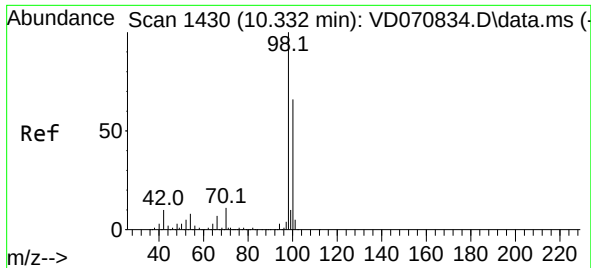


#49
1,4-Dioxane
Concen: 1.779 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. -0.100 min
Lab File: VD070896.D
Acq: 28 Oct 2021 17:19



Tgt Ion: 88 Resp: 83
Ion Ratio Lower Upper
88 100
43 0.0 28.9 43.3#
58 0.0 56.3 84.5#

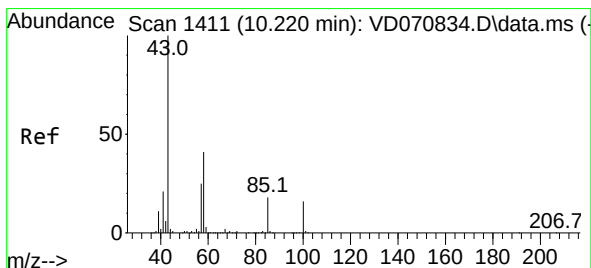
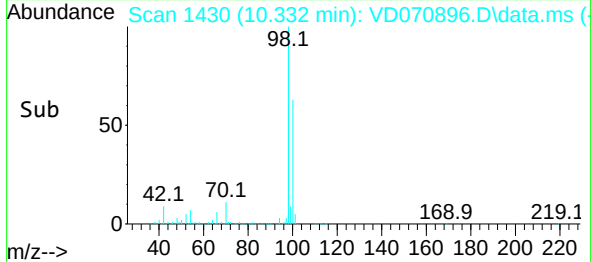
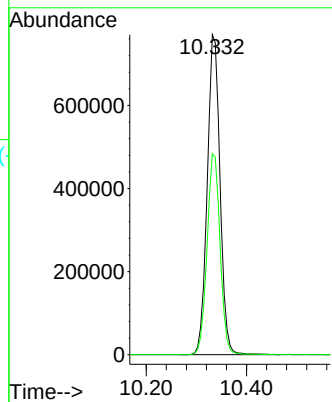
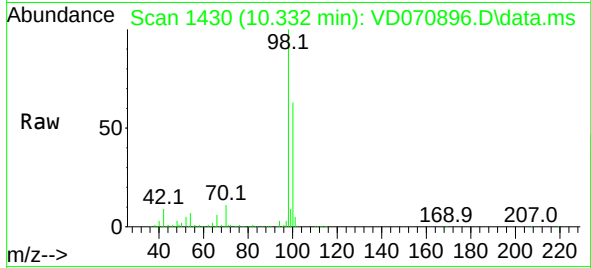




#50
Toluene-d8
Concen: 49.842 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070896.D
Acq: 28 Oct 2021 17:19

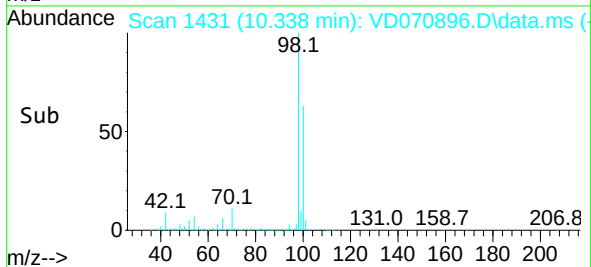
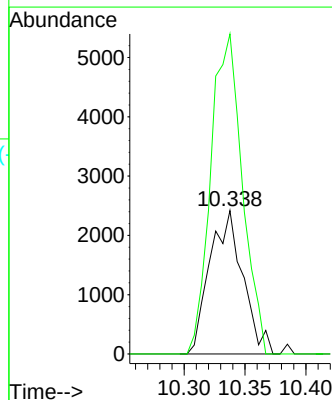
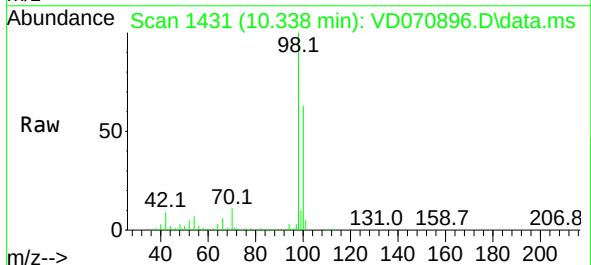
Instrument :
MSVOA_D
ClientSampleId :

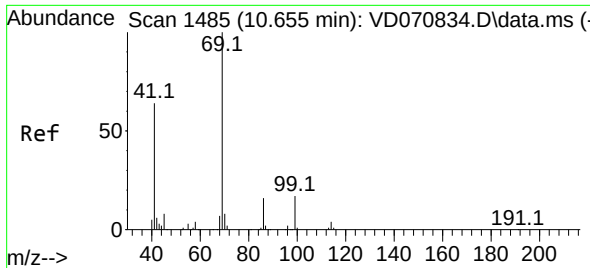
Tgt Ion: 98 Resp: 1367306
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.090 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.118 min
Lab File: VD070896.D
Acq: 28 Oct 2021 17:19

Tgt Ion: 43 Resp: 4571
Ion Ratio Lower Upper
43 100
58 212.8 33.1 49.7#

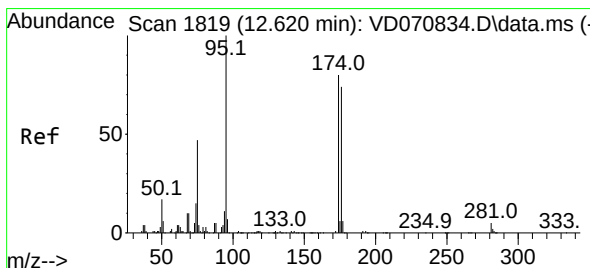
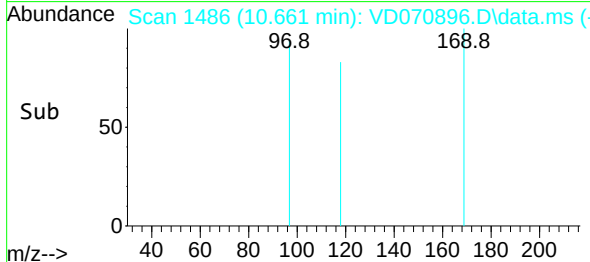
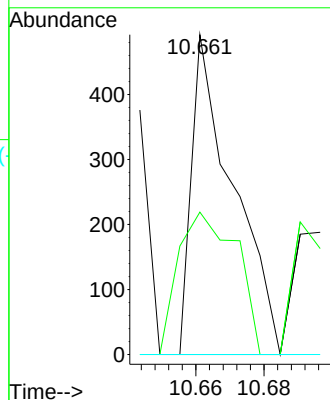
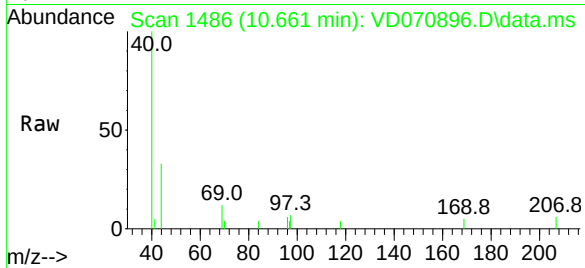




#56
Ethyl methacrylate
Concen: 2.893 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD070896.D
Acq: 28 Oct 2021 17:19

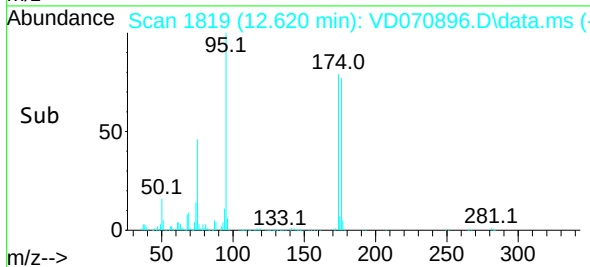
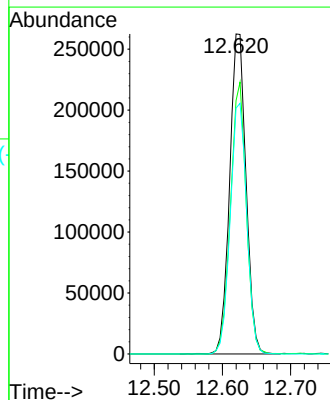
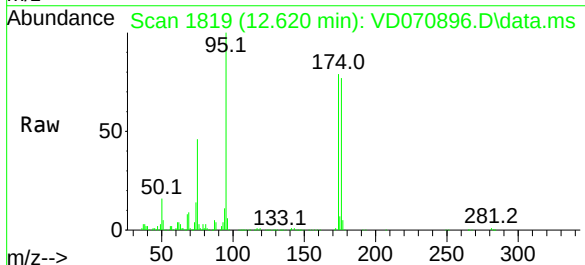
Instrument :
MSVOA_D
ClientSampled :

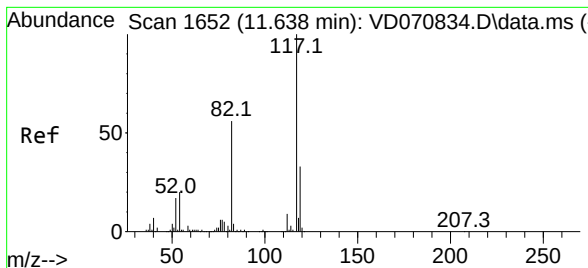
Tgt Ion: 69 Resp: 417
Ion Ratio Lower Upper
69 100
41 62.4 50.2 75.2
39 0.0 19.8 29.8#



#62
4-Bromofluorobenzene
Concen: 48.434 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070896.D
Acq: 28 Oct 2021 17:19

Tgt Ion: 95 Resp: 438389
Ion Ratio Lower Upper
95 100
174 81.9 0.0 159.4
176 78.7 0.0 154.0

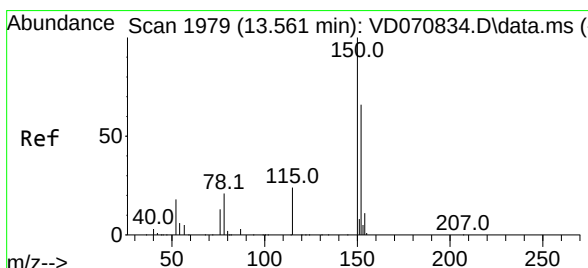
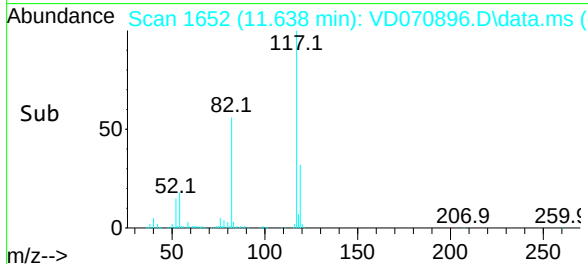
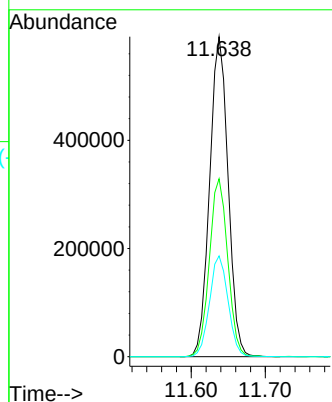
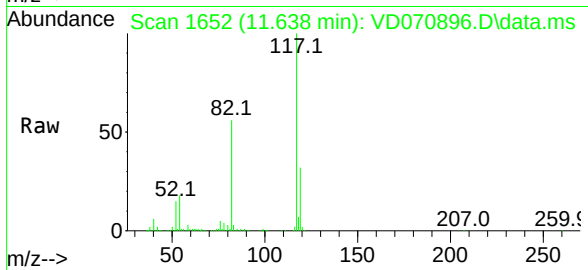




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070896.D
Acq: 28 Oct 2021 17:19

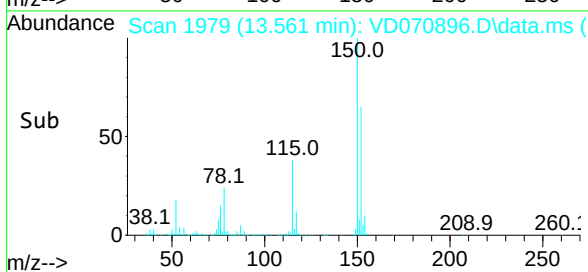
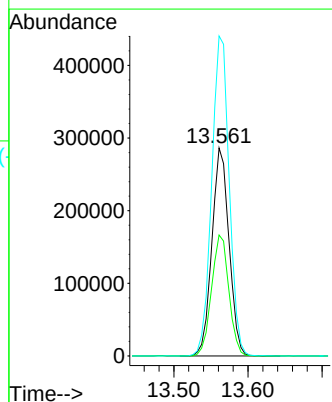
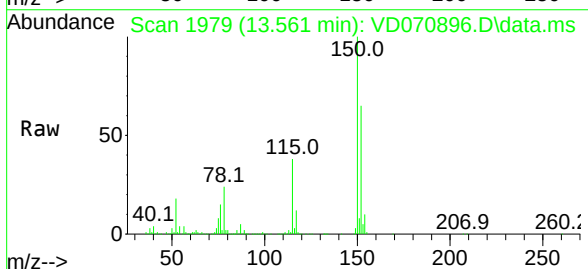
Instrument :
MSVOA_D
ClientSampleId :

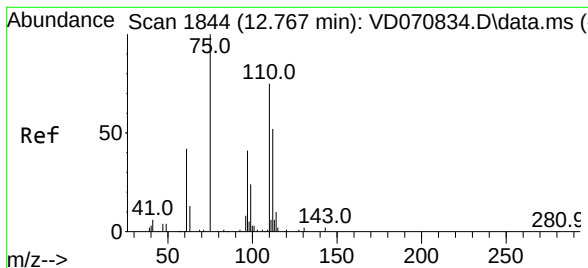
Tgt Ion:117 Resp: 1022679
Ion Ratio Lower Upper
117 100
82 55.6 44.7 67.1
119 31.5 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070896.D
Acq: 28 Oct 2021 17:19

Tgt Ion:152 Resp: 459162
Ion Ratio Lower Upper
152 100
115 58.7 29.8 89.3
150 157.0 0.0 349.2

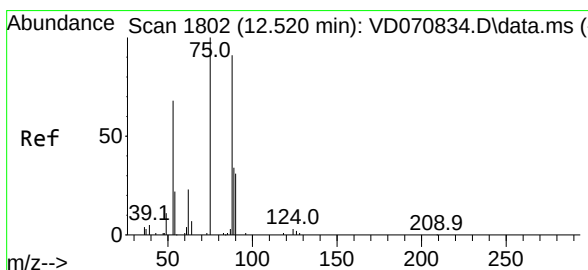
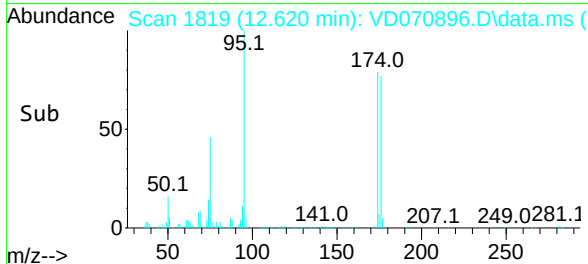
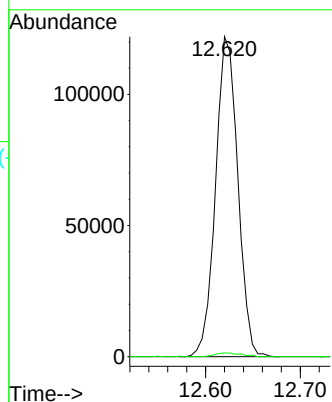
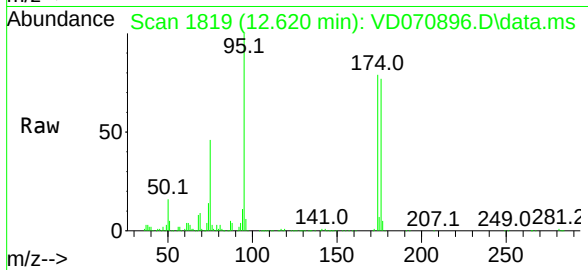




#76
1,2,3-Trichloropropane
Concen: 44.116 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD070896.D
Acq: 28 Oct 2021 17:19

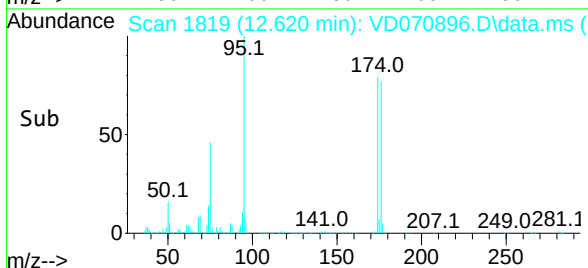
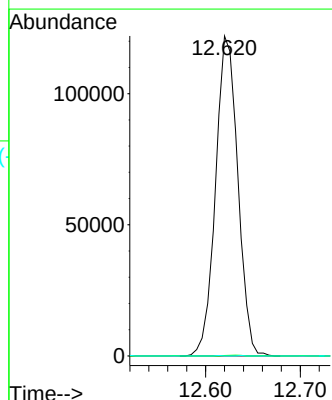
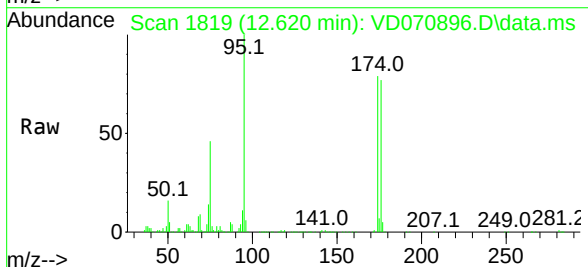
Instrument :
MSVOA_D
ClientSampleId :

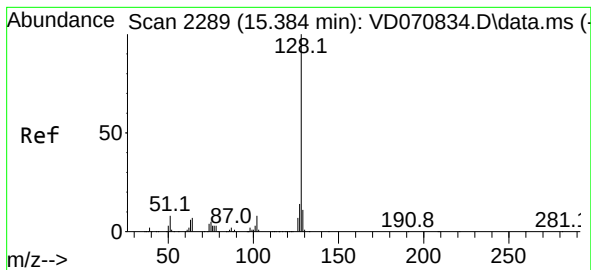
Tgt Ion: 75 Resp: 199407
Ion Ratio Lower Upper
75 100
77 1.4 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.789 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070896.D
Acq: 28 Oct 2021 17:19

Tgt Ion: 75 Resp: 199407
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#





#95
Naphthalene
Concen: 4.153 ug/l
RT: 15.367 min Scan# 2286
Delta R.T. -0.017 min
Lab File: VD070896.D
Acq: 28 Oct 2021 17:19

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 453
Ion Ratio Lower Upper
128 100
127 13.5 10.7 16.1
129 0.0 8.7 13.1#

