

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092121\
 Data File : VD070410.D
 Acq On : 21 Sep 2021 18:00
 Operator : VA/SY
 Sample : M3824-04
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 22 01:48:48 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)

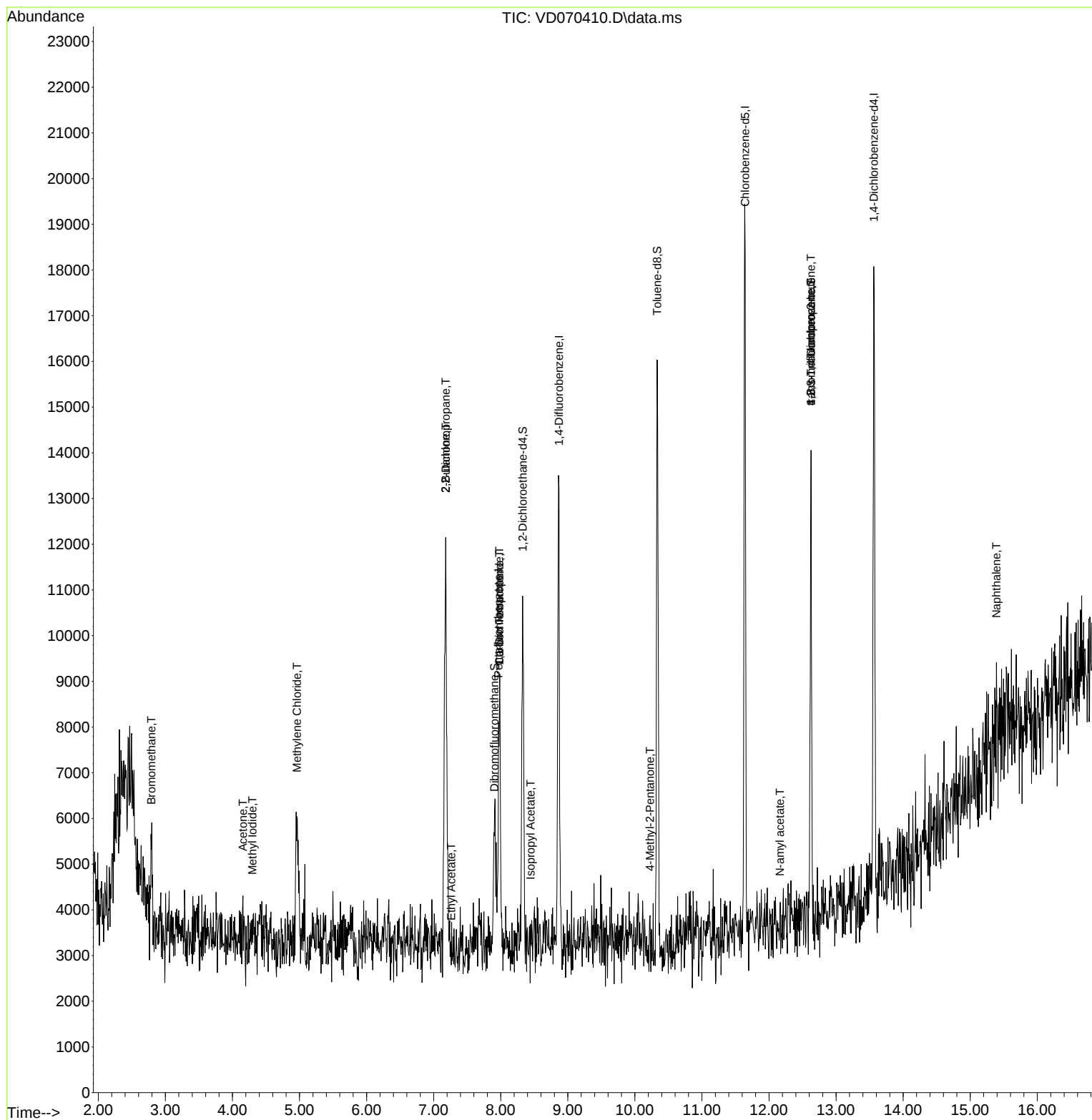
Internal Standards						
1) Pentafluorobenzene	7.967	168	4794	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.867	114	9377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	10290	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	4277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	5760	93.573	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 187.140%#			
35) Dibromofluoromethane	7.903	113	2575	38.579	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 77.160%			
50) Toluene-d8	10.332	98	9839	40.600	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 81.200%			
62) 4-Bromofluorobenzene	12.626	95	3615	42.683	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 85.360%			
Target Compounds						Qvalue
5) Bromomethane	2.791	94	1357	27.260	ug/l #	48
10) Methyl Iodide	4.297	142	391	7.484	ug/l #	39
16) Acetone	4.156	43	654	59.509	ug/l #	36
20) Methylene Chloride	4.962	84	2105	27.465	ug/l #	87
25) 2-Butanone	7.179	43	122	8.339	ug/l #	47
26) 2,2-Dichloropropane	7.179	77	268	2.669	ug/l #	51
36) 1,1-Dichloropropene	7.979	75	221	2.205	ug/l #	41
37) Ethyl Acetate	7.261	43	63	1.681	ug/l #	65
38) Carbon Tetrachloride	7.979	117	258	2.603	ug/l #	12
43) Isopropyl Acetate	8.444	43	74	1.068	ug/l #	46
51) 4-Methyl-2-Pentanone	10.226	43	85	2.370	ug/l #	32
74) N-amyl acetate	12.161	43	170	2.601	ug/l #	37
76) 1,2,3-Trichloropropane	12.626	75	1772	40.959	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	1772	102.627	ug/l #	17
95) Naphthalene	15.390	128	139	1.114	ug/l #	69

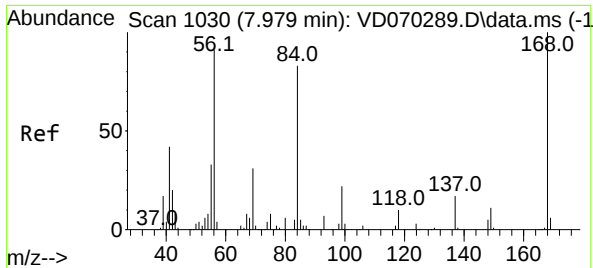
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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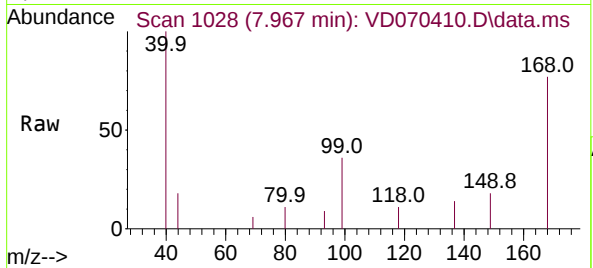
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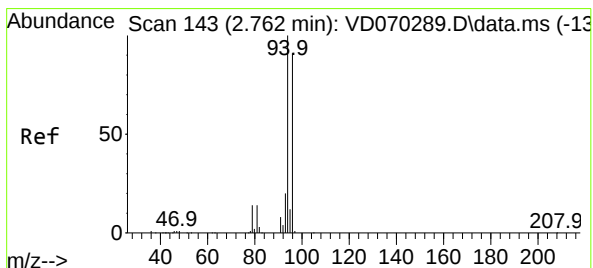
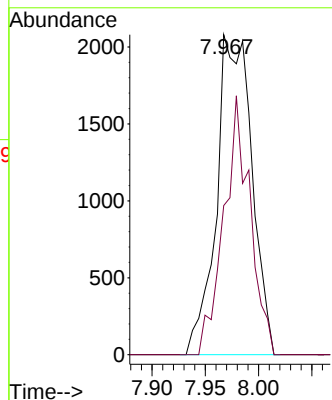
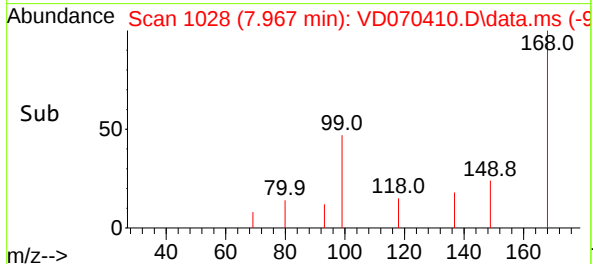


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD070410.D
Acq: 21 Sep 2021 18:00

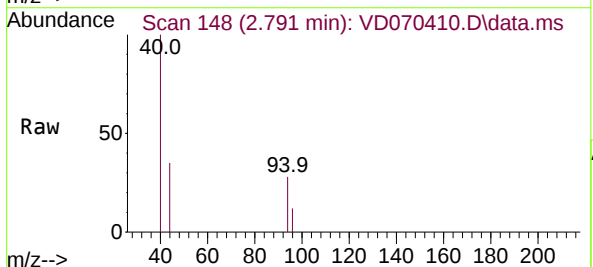
Instrument :
MSVOA_D
ClientSampled :



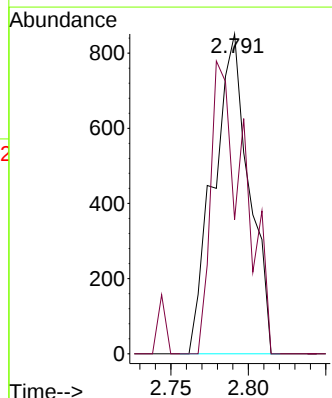
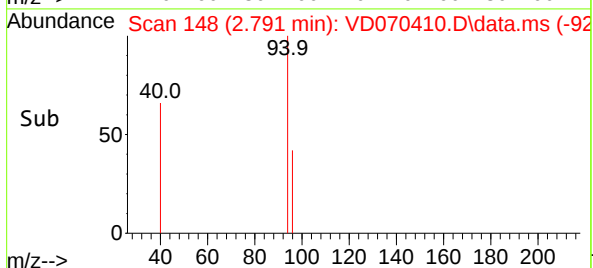
Tgt Ion:168 Resp: 4794
Ion Ratio Lower Upper
168 100
99 46.6 50.8 76.2#

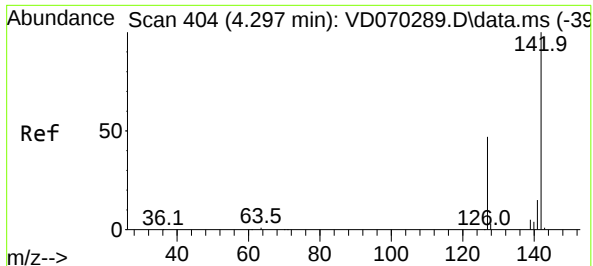


#5
Bromomethane
Concen: 27.260 ug/l
RT: 2.791 min Scan# 148
Delta R.T. 0.029 min
Lab File: VD070410.D
Acq: 21 Sep 2021 18:00



Tgt Ion: 94 Resp: 1357
Ion Ratio Lower Upper
94 100
96 42.0 73.0 109.6#

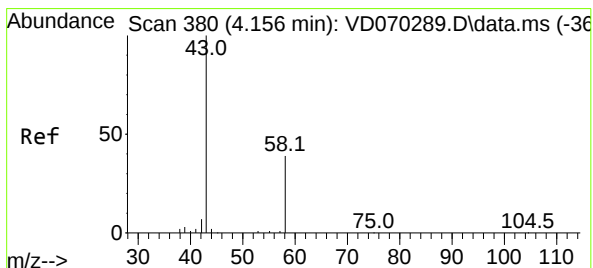
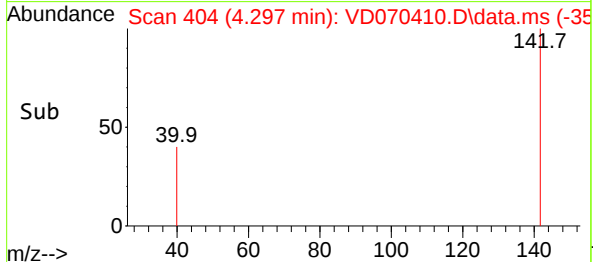
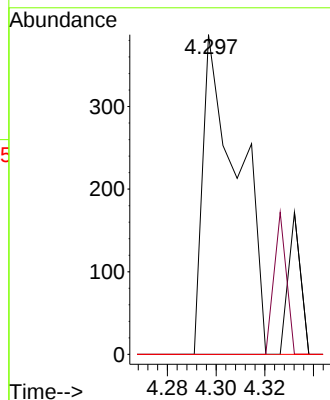
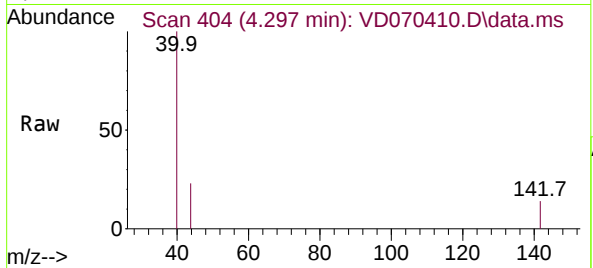




#10
Methyl Iodide
Concen: 7.484 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070410.D
Acq: 21 Sep 2021 18:00

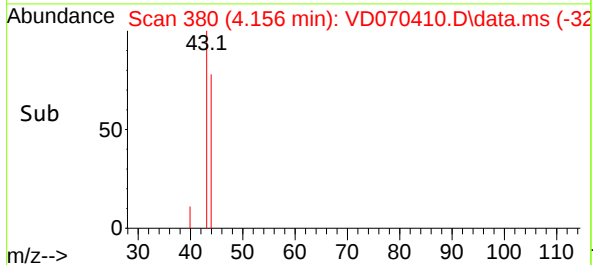
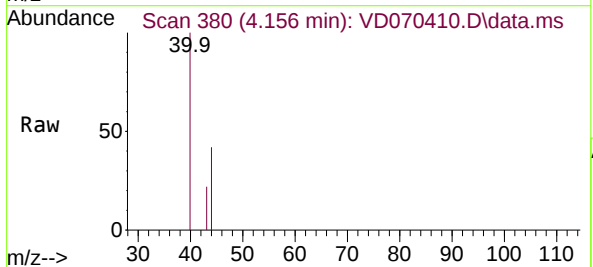
Instrument :
MSVOA_D
ClientSampleId :

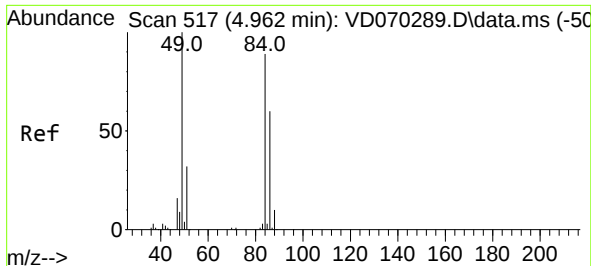
Tgt Ion:142 Resp: 391
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#



#16
Acetone
Concen: 59.509 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070410.D
Acq: 21 Sep 2021 18:00

Tgt Ion: 43 Resp: 654
Ion Ratio Lower Upper
43 100
58 0.0 30.9 46.3#

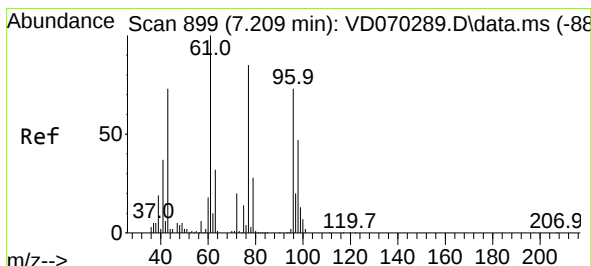
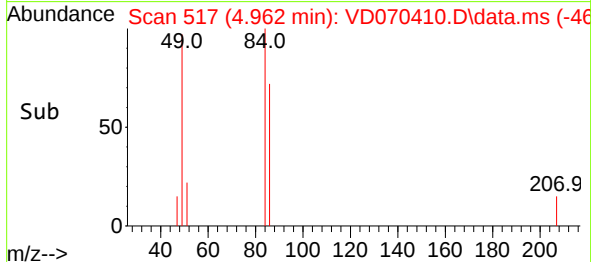
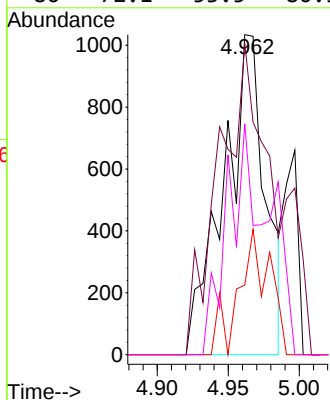
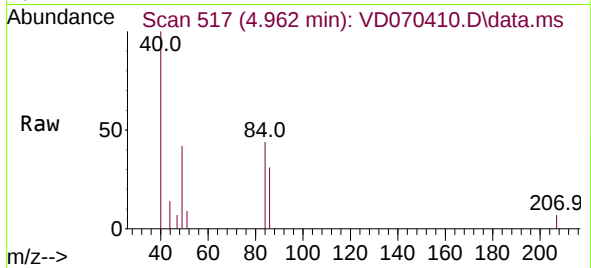




#20
Methylene Chloride
Concen: 27.465 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070410.D
Acq: 21 Sep 2021 18:00

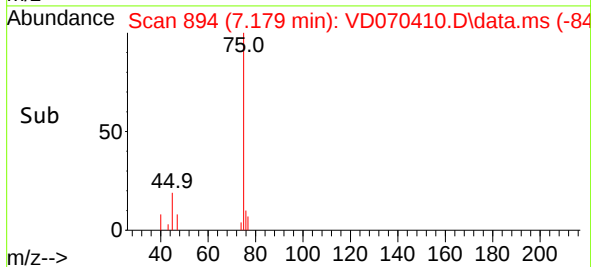
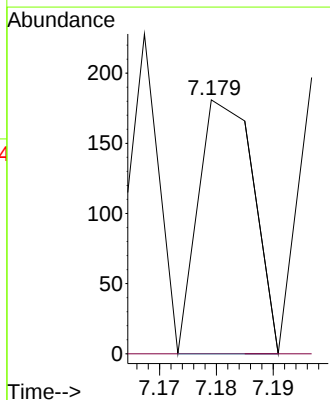
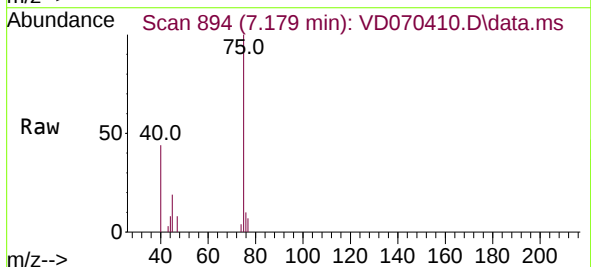
Instrument :
MSVOA_D
ClientSampleId :

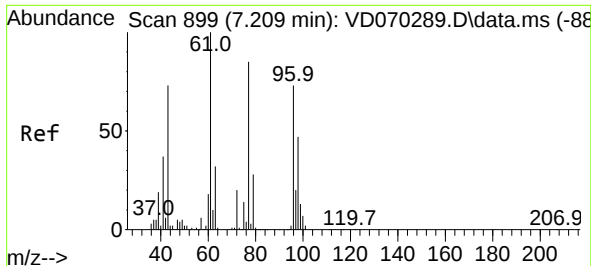
Tgt Ion:	84	Resp:	2105
Ion	Ratio	Lower	Upper
84	100		
49	97.3	89.6	134.4
51	21.8	28.6	43.0#
86	72.1	53.5	80.3



#25
2-Butanone
Concen: 8.339 ug/l
RT: 7.179 min Scan# 894
Delta R.T. -0.029 min
Lab File: VD070410.D
Acq: 21 Sep 2021 18:00

Tgt Ion:	43	Resp:	122
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.2	33.4#

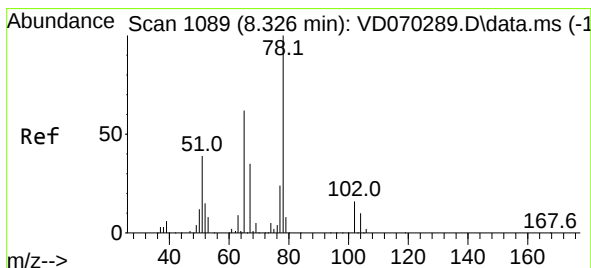
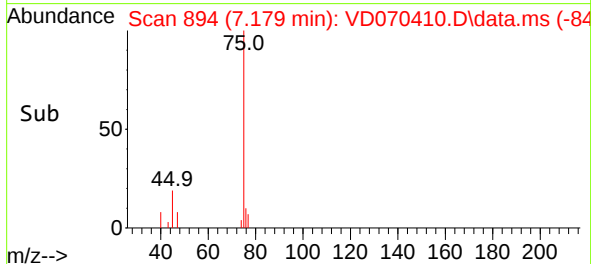
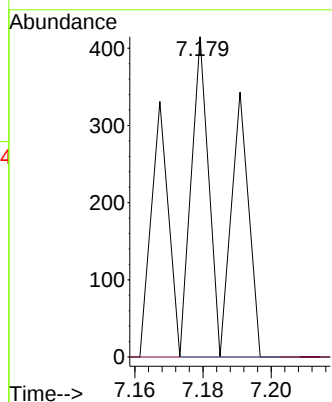
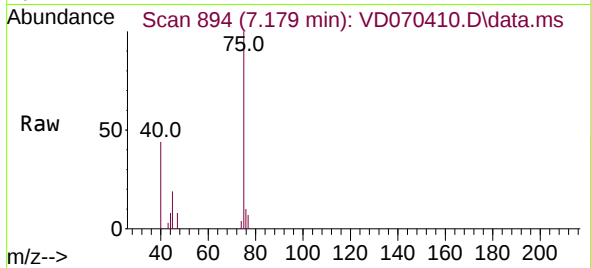




#26
2,2-Dichloropropane
Concen: 2.669 ug/l
RT: 7.179 min Scan# 894
Delta R.T. -0.029 min
Lab File: VD070410.D
Acq: 21 Sep 2021 18:00

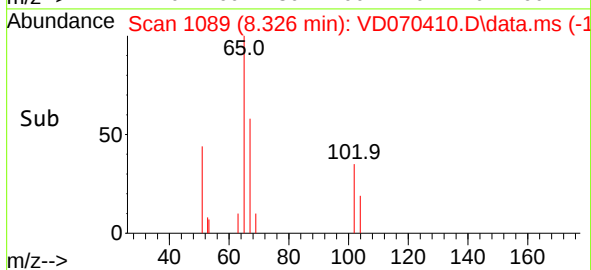
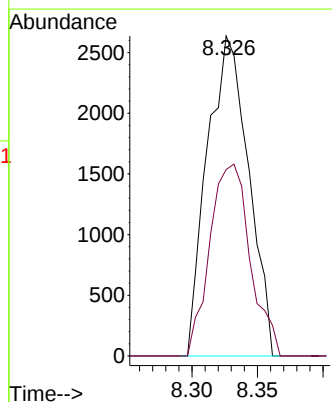
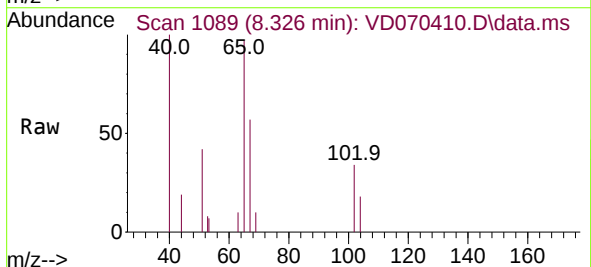
Instrument :
MSVOA_D
ClientSampleId :

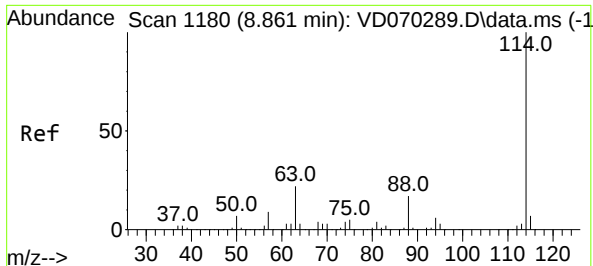
Tgt Ion: 77 Resp: 268
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.9#



#33
1,2-Dichloroethane-d4
Concen: 93.573 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070410.D
Acq: 21 Sep 2021 18:00

Tgt Ion: 65 Resp: 5760
Ion Ratio Lower Upper
65 100
67 58.7 0.0 111.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 1181

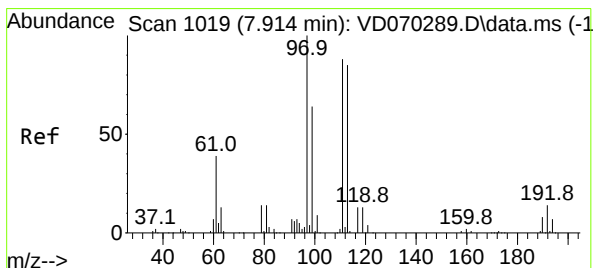
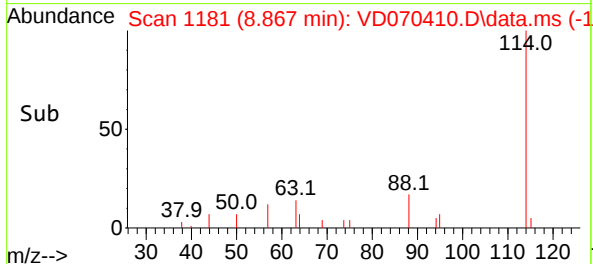
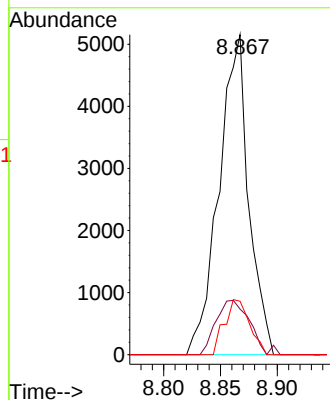
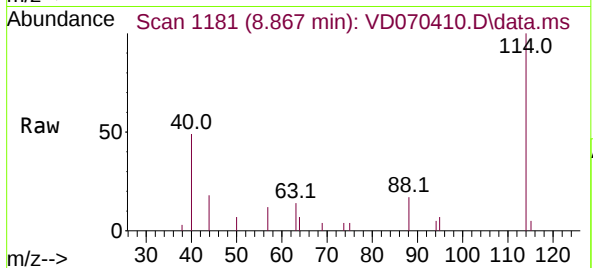
Delta R.T. 0.006 min

Lab File: VD070410.D

Acq: 21 Sep 2021 18:00

Tgt Ion:	114	Resp:	9377
Ion Ratio	Lower	Upper	
114	100		
63	14.3	0.0	43.4
88	16.7	0.0	33.4

Instrument :
MSVOA_D
ClientSampleId :



#35

Dibromofluoromethane

Concen: 38.579 ug/l

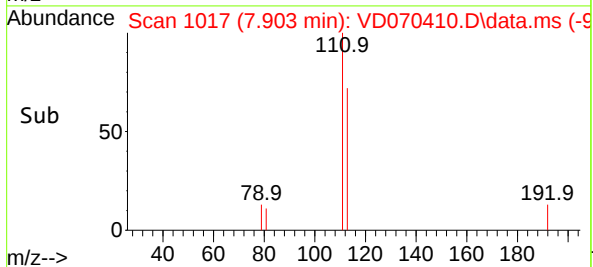
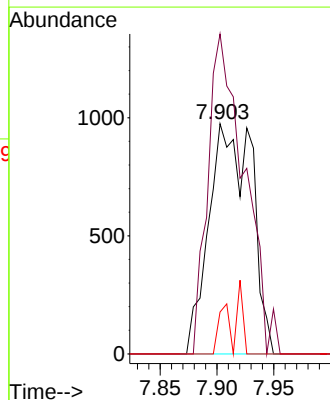
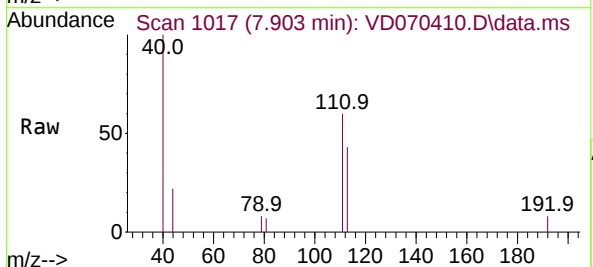
RT: 7.903 min Scan# 1017

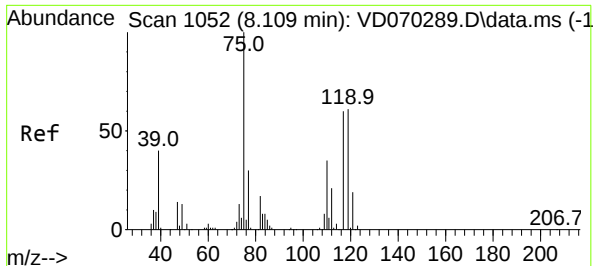
Delta R.T. -0.012 min

Lab File: VD070410.D

Acq: 21 Sep 2021 18:00

Tgt Ion:	113	Resp:	2575
Ion Ratio	Lower	Upper	
113	100		
111	117.3	81.4	122.2
192	5.3	13.0	19.6#

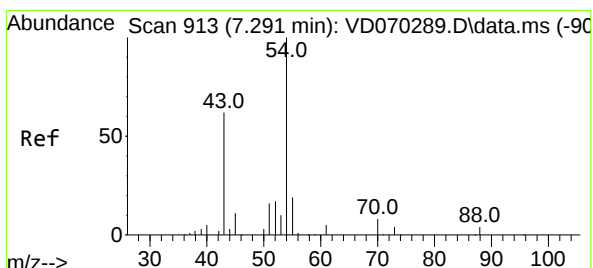
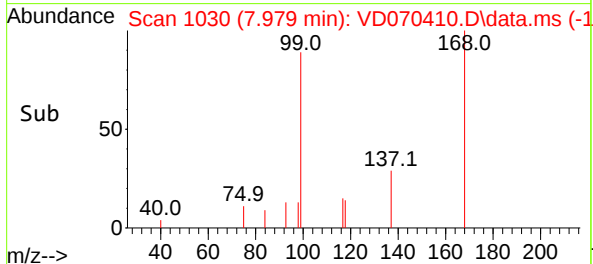
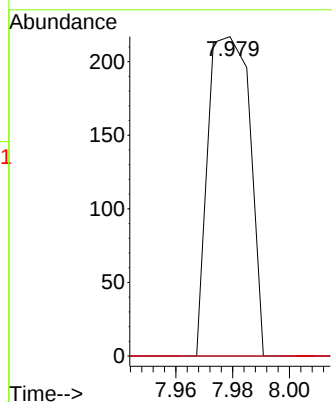
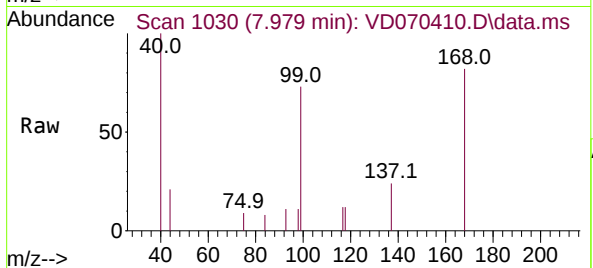




#36
1,1-Dichloropropene
Concen: 2.205 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070410.D
Acq: 21 Sep 2021 18:00

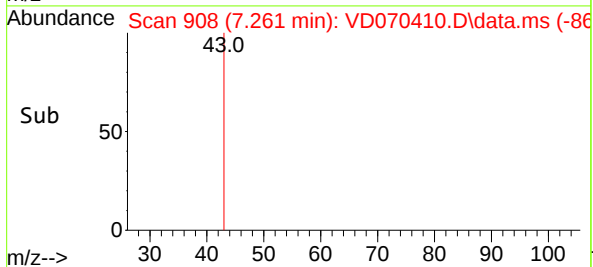
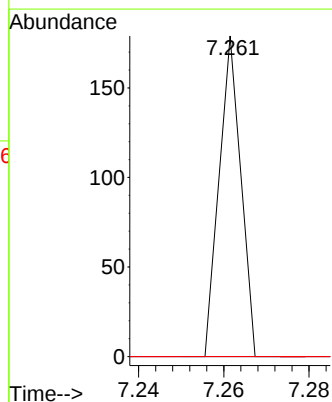
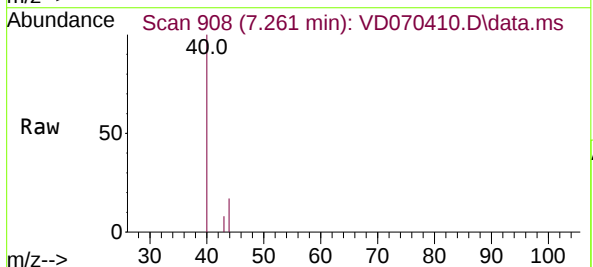
Instrument :
MSVOA_D
ClientSampleId :

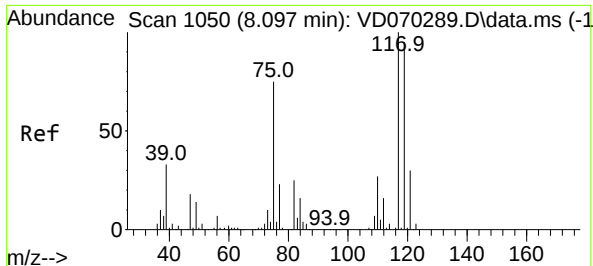
Tgt Ion: 75 Resp: 221
Ion Ratio Lower Upper
75 100
110 0.0 17.9 53.7#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 1.681 ug/l
RT: 7.261 min Scan# 908
Delta R.T. -0.029 min
Lab File: VD070410.D
Acq: 21 Sep 2021 18:00

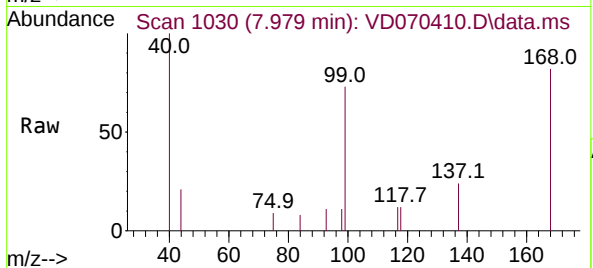
Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.6#
70 0.0 9.8 14.6#



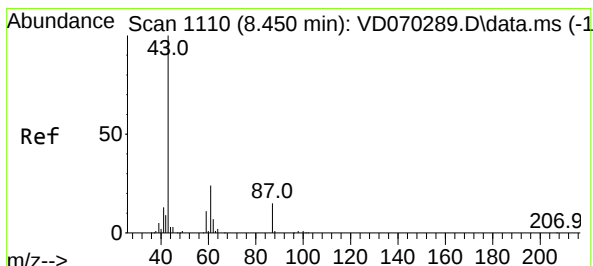
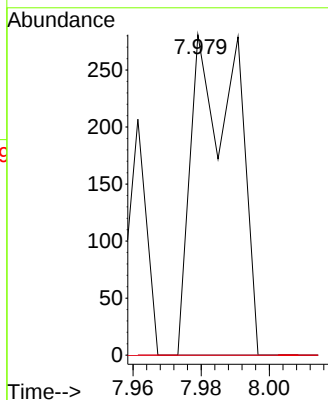
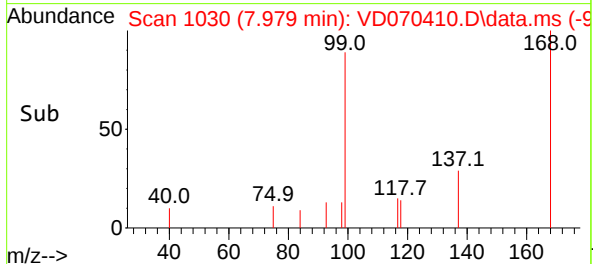


#38
Carbon Tetrachloride
Concen: 2.603 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070410.D
Acq: 21 Sep 2021 18:00

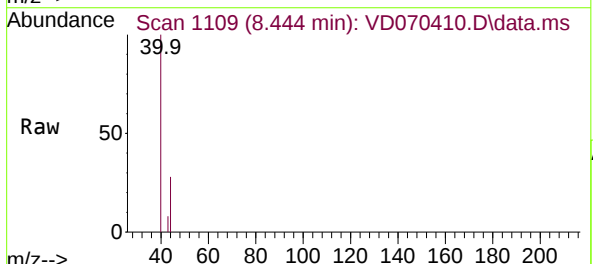
Instrument :
MSVOA_D
ClientSampled :



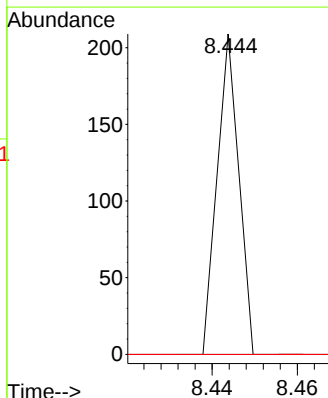
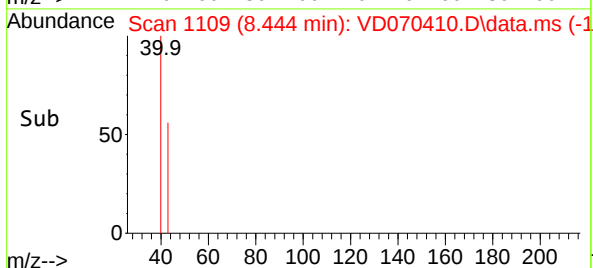
Tgt Ion:117 Resp: 258
Ion Ratio Lower Upper
117 100
119 0.0 76.1 114.1#
121 0.0 23.8 35.6#

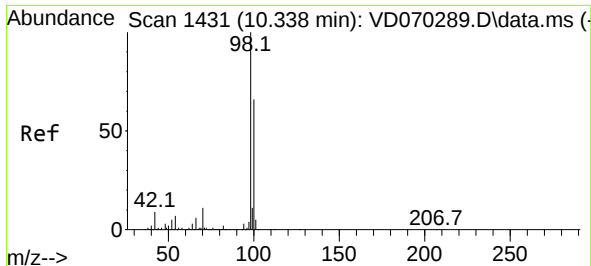


#43
Isopropyl Acetate
Concen: 1.068 ug/l
RT: 8.444 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VD070410.D
Acq: 21 Sep 2021 18:00



Tgt Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
61 0.0 29.0 43.6#
87 0.0 12.8 19.2#

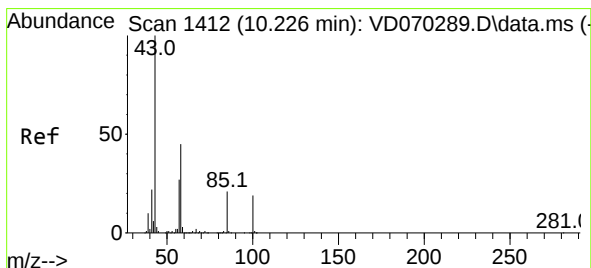
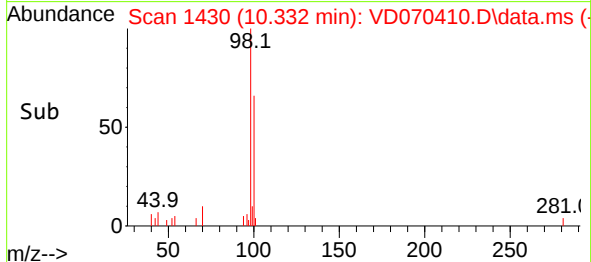
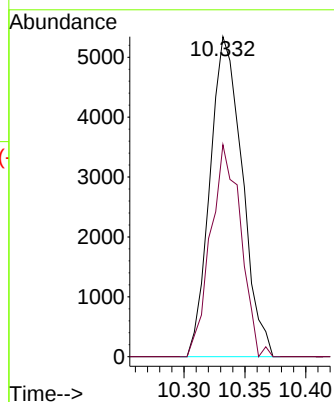
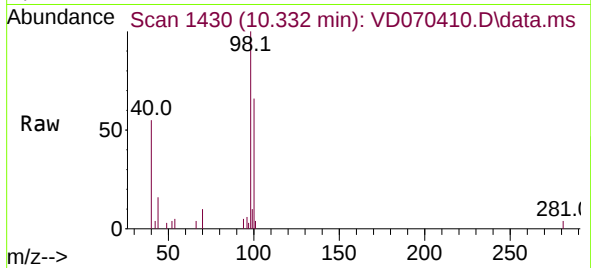




#50
Toluene-d8
Concen: 40.600 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070410.D
Acq: 21 Sep 2021 18:00

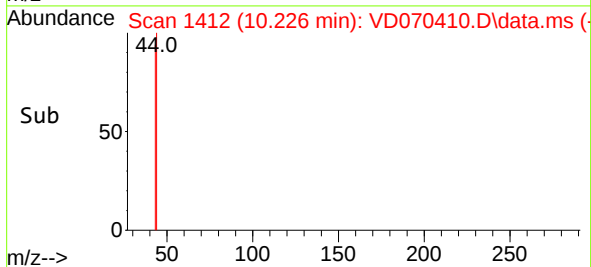
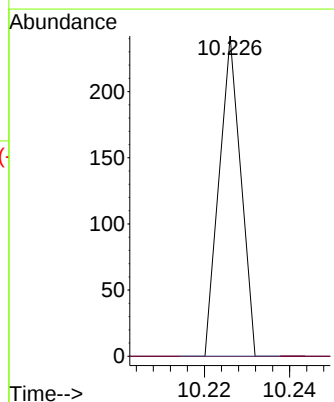
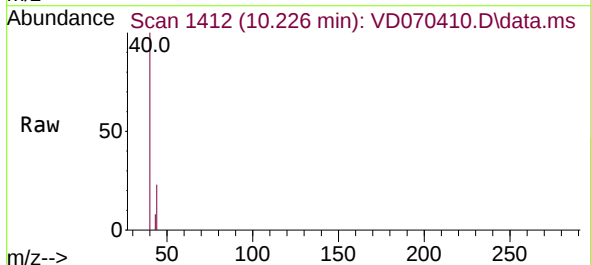
Instrument :
MSVOA_D
ClientSampleId :

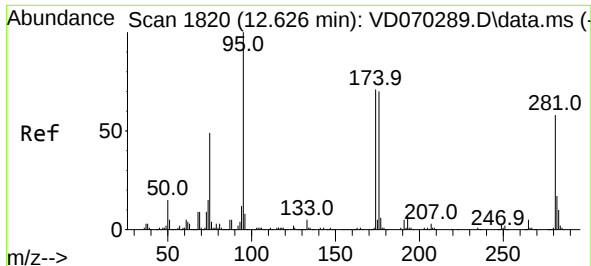
Tgt Ion: 98 Resp: 9839
Ion Ratio Lower Upper
98 100
100 62.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.370 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD070410.D
Acq: 21 Sep 2021 18:00

Tgt Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
58 0.0 35.4 53.2#

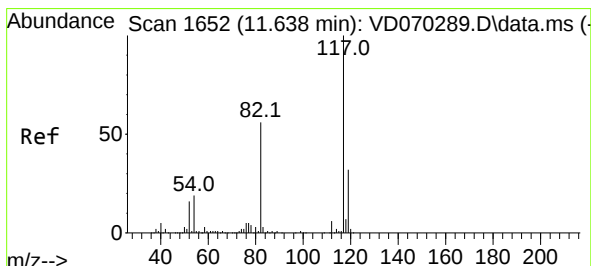
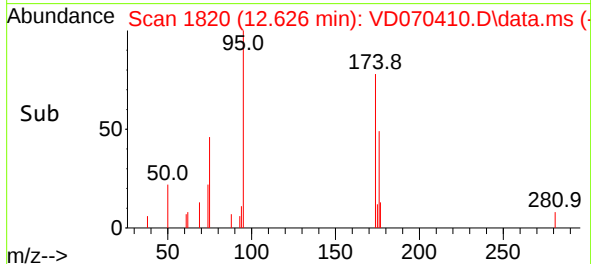
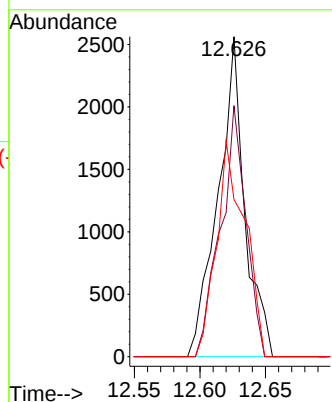
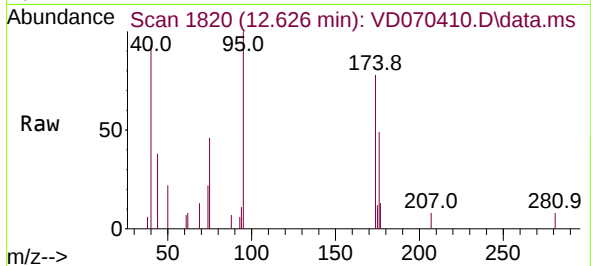




#62
4-Bromofluorobenzene
Concen: 42.683 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070410.D
Acq: 21 Sep 2021 18:00

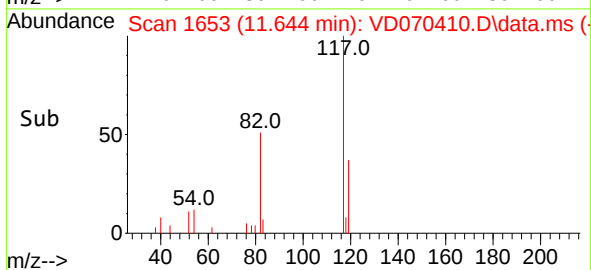
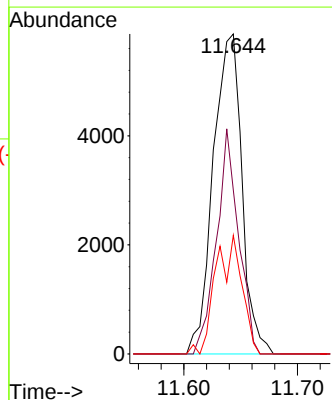
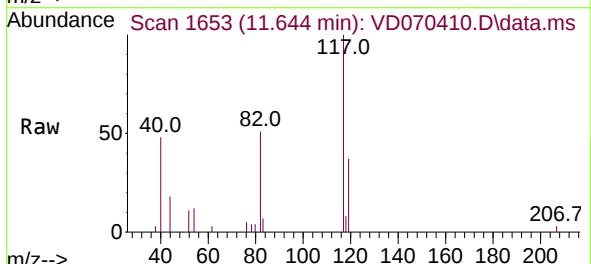
Instrument :
MSVOA_D
ClientSampleId :

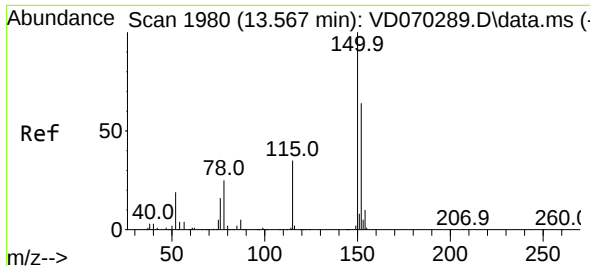
Tgt Ion: 95 Resp: 3615
Ion Ratio Lower Upper
95 100
174 74.8 0.0 140.6
176 72.1 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD070410.D
Acq: 21 Sep 2021 18:00

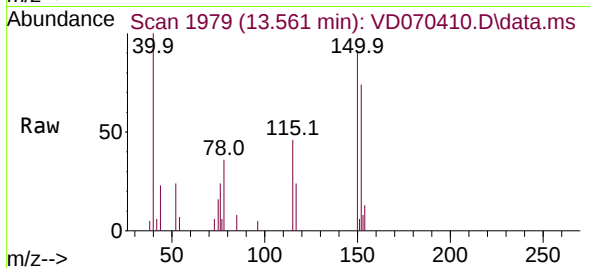
Tgt Ion: 117 Resp: 10290
Ion Ratio Lower Upper
117 100
82 51.2 45.0 67.4
119 37.0 25.2 37.8



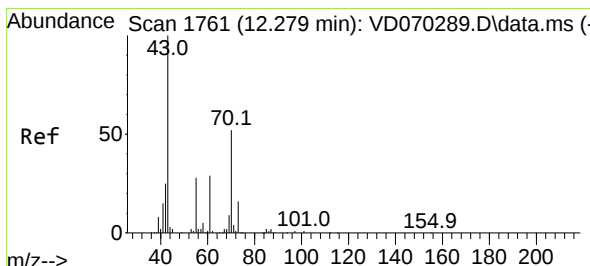
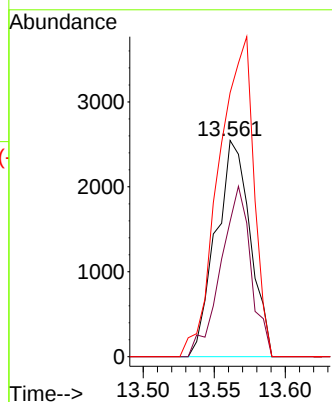
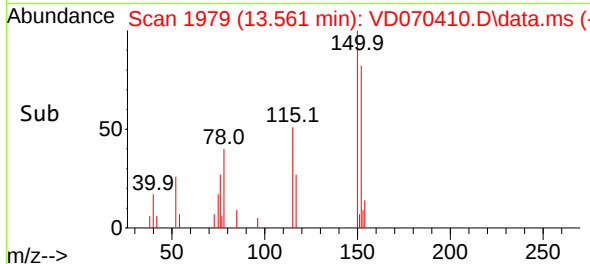


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070410.D
Acq: 21 Sep 2021 18:00

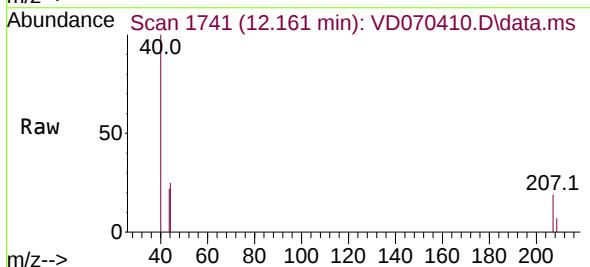
Instrument :
MSVOA_D
ClientSampleId :



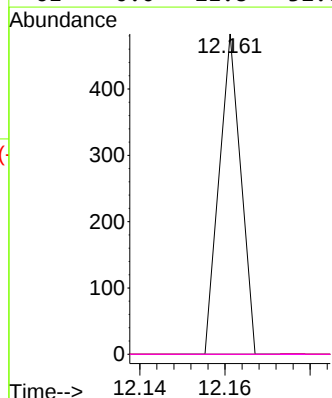
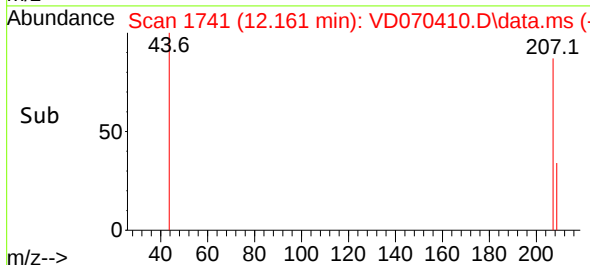
Tgt Ion:152 Resp: 4277
Ion Ratio Lower Upper
152 100
115 69.3 32.1 96.3
150 150.8 0.0 350.6

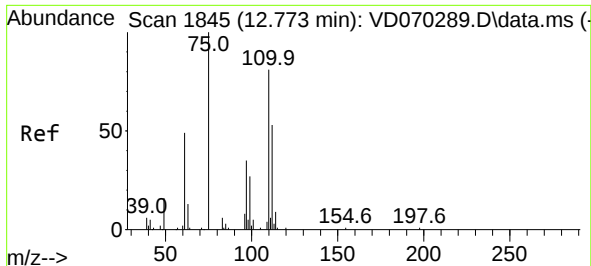


#74
N-ethyl acetate
Concen: 2.601 ug/l
RT: 12.161 min Scan# 1741
Delta R.T. -0.118 min
Lab File: VD070410.D
Acq: 21 Sep 2021 18:00



Tgt Ion: 43 Resp: 170
Ion Ratio Lower Upper
43 100
70 0.0 41.4 62.0#
55 0.0 22.8 34.2#
61 0.0 21.8 32.6#

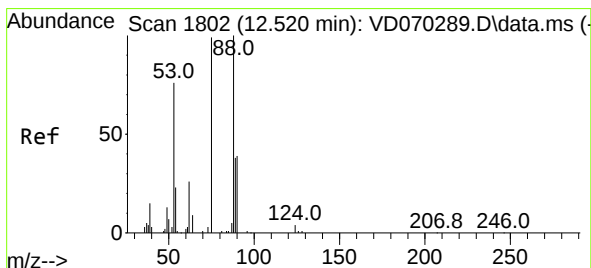
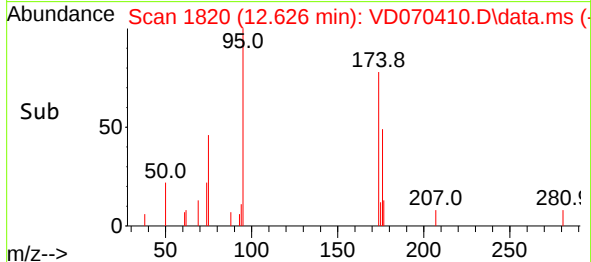
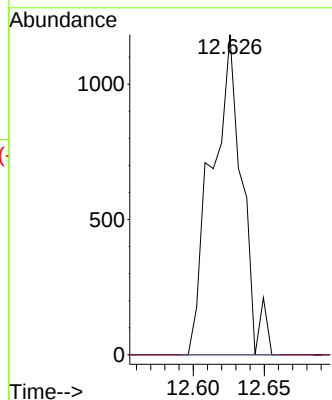
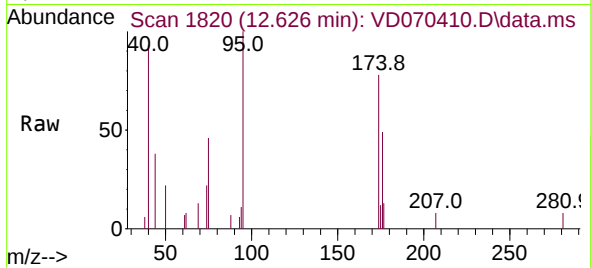




#76
1,2,3-Trichloropropane
Concen: 40.959 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070410.D
Acq: 21 Sep 2021 18:00

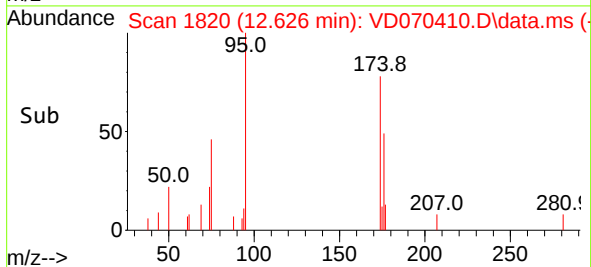
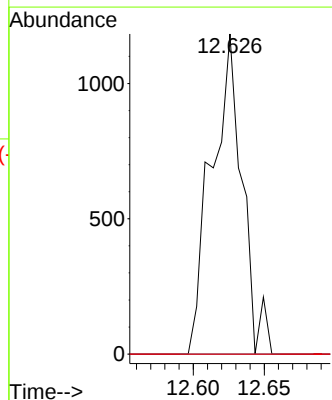
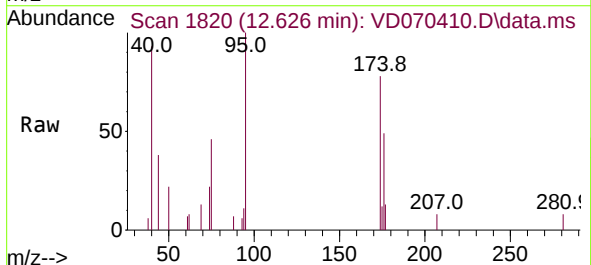
Instrument :
MSVOA_D
ClientSampleId :

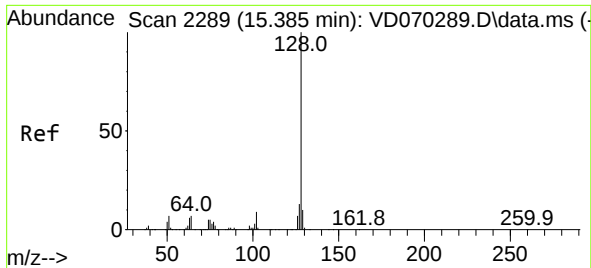
Tgt Ion: 75 Resp: 1772
Ion Ratio Lower Upper
75 100
77 0.0 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.627 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070410.D
Acq: 21 Sep 2021 18:00

Tgt Ion: 75 Resp: 1772
Ion Ratio Lower Upper
75 100
53 0.0 64.2 96.2#
89 0.0 35.6 53.4#





#95
Naphthalene
Concen: 1.114 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD070410.D
Acq: 21 Sep 2021 18:00

Instrument :
MSVOA_D
ClientSampleId :

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

