

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102721\
 Data File : VD070861.D
 Acq On : 27 Oct 2021 13:54
 Operator : VA/SY
 Sample : M4356-03
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 28 03:55:29 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)

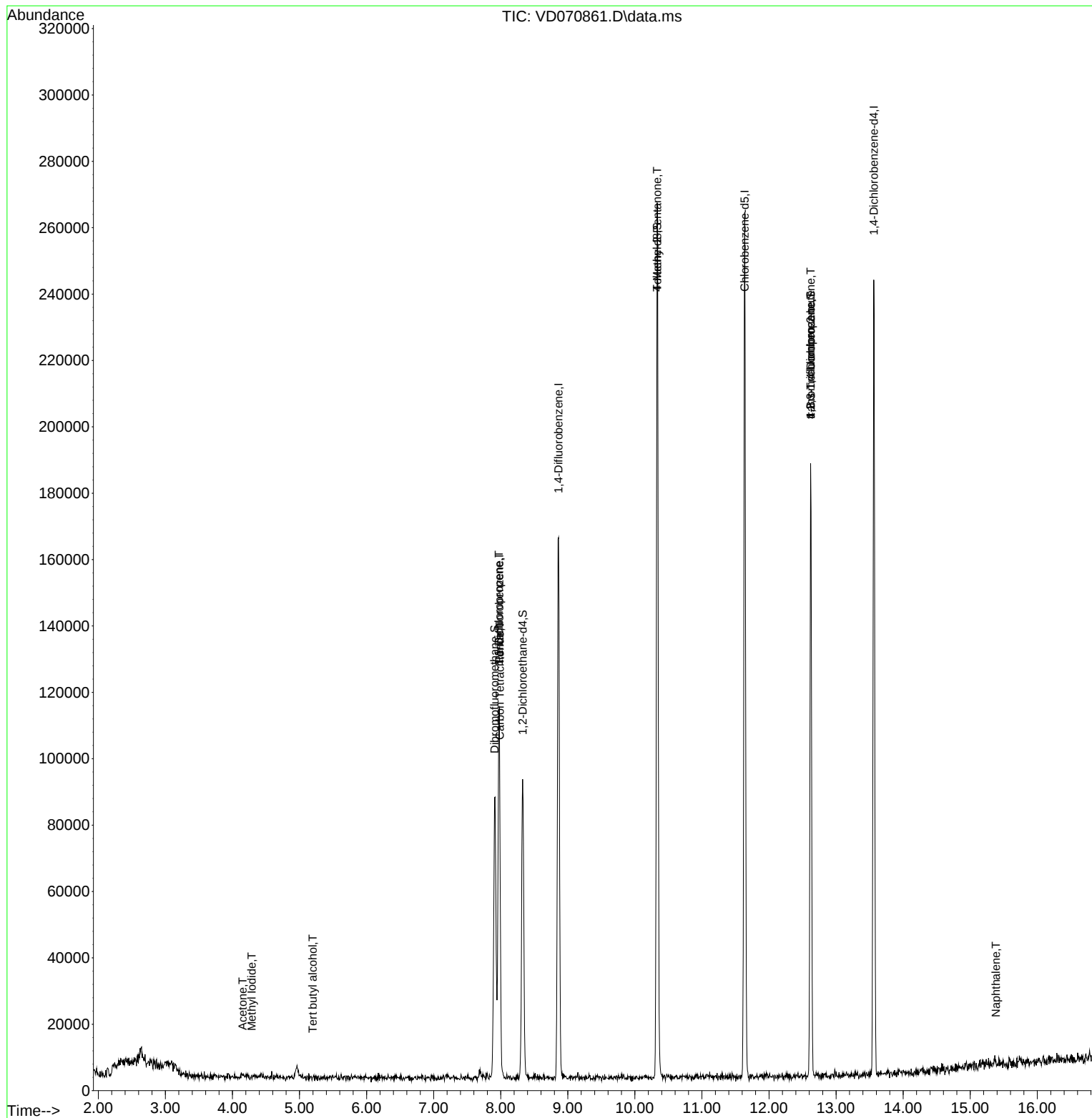
Internal Standards						
1) Pentafluorobenzene	7.979	168	84016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	143431	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	156523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	69288	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	71031	84.061	ug/l	0.00
Spiked Amount 50.000	Range	50 - 163	Recovery	= 168.120%#		
35) Dibromofluoromethane	7.909	113	64575	68.282	ug/l	0.00
Spiked Amount 50.000	Range	54 - 147	Recovery	= 136.560%		
50) Toluene-d8	10.332	98	186256	52.350	ug/l	0.00
Spiked Amount 50.000	Range	49 - 140	Recovery	= 104.700%		
62) 4-Bromofluorobenzene	12.620	95	61098	52.046	ug/l	0.00
Spiked Amount 50.000	Range	25 - 144	Recovery	= 104.100%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.791	94	1527	Below Cal	#	75
10) Methyl Iodide	4.285	142	275	3.860	ug/l #	40
11) Tert butyl alcohol	5.197	59	66	1.470	ug/l #	71
16) Acetone	4.150	43	559	2.843	ug/l #	40
20) Methylene Chloride	4.968	84	2610	Below Cal	#	63
36) 1,1-Dichloropropene	7.973	75	7032	4.686	ug/l #	50
38) Carbon Tetrachloride	7.985	117	8132	5.389	ug/l #	17
51) 4-Methyl-2-Pentanone	10.332	43	701	1.289	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	29055	42.598	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	29055	111.804	ug/l #	18
95) Naphthalene	15.385	128	217	4.216	ug/l #	69

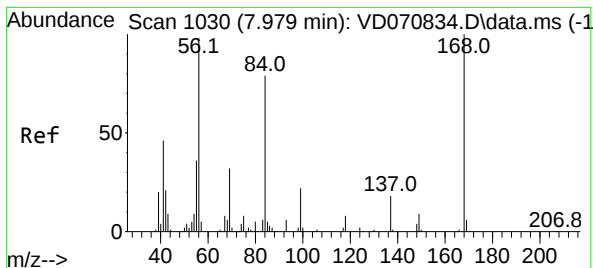
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 28 03:55:29 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD070861.D

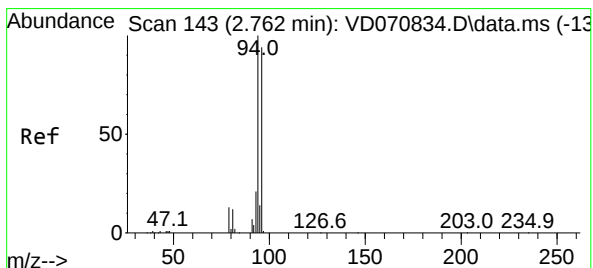
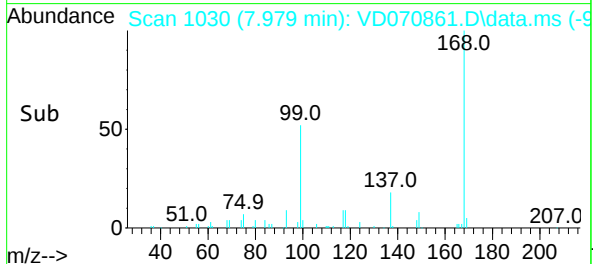
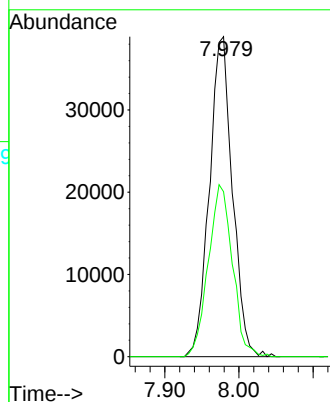
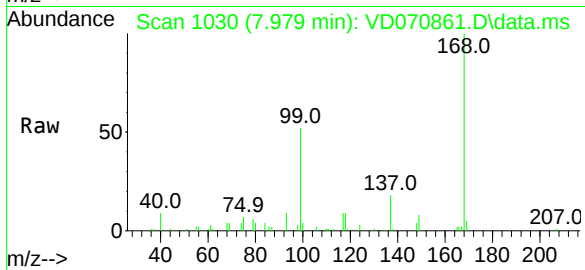
Acq: 27 Oct 2021 13:54

Tgt Ion:168 Resp: 84016

Ion Ratio Lower Upper

168 100

99 51.6 46.6 69.8



#5

Bromomethane

Concen: Below Cal

RT: 2.791 min Scan# 148

Delta R.T. 0.029 min

Lab File: VD070861.D

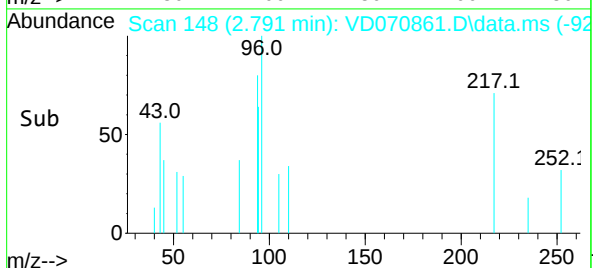
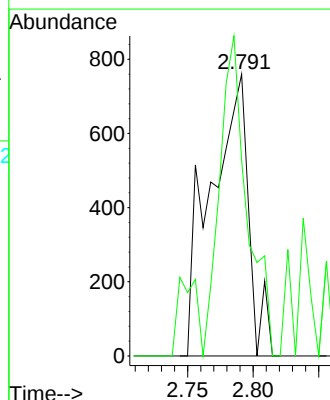
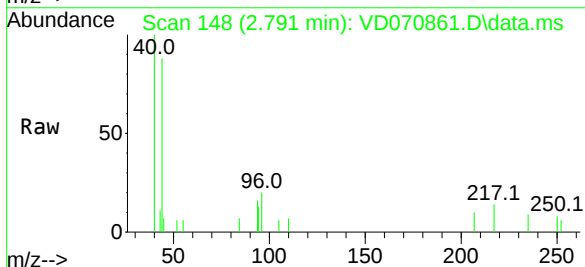
Acq: 27 Oct 2021 13:54

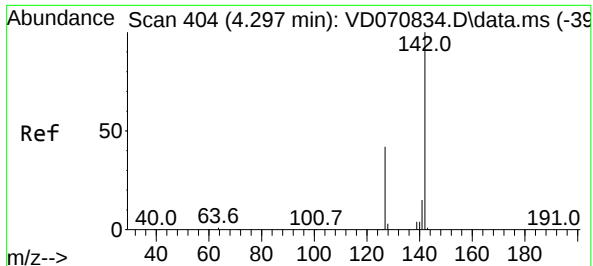
Tgt Ion: 94 Resp: 1527

Ion Ratio Lower Upper

94 100

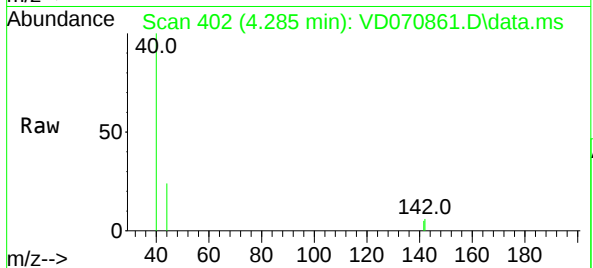
96 69.3 74.8 112.2#



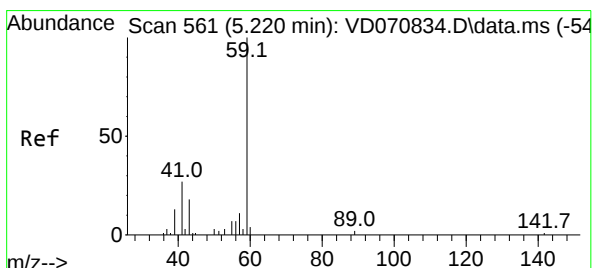
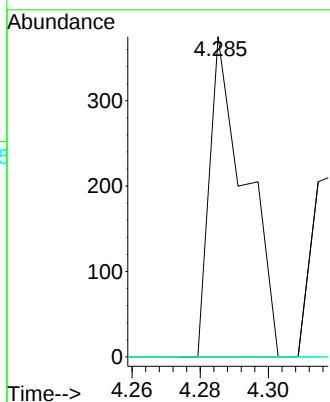
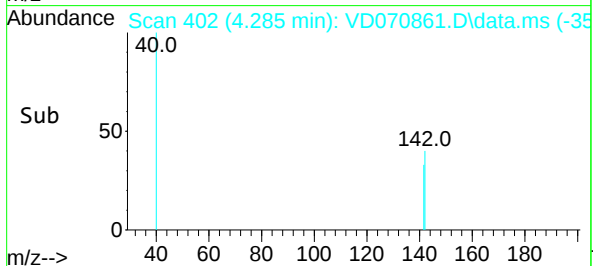


#10
Methyl Iodide
Concen: 3.860 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.012 min
Lab File: VD070861.D
Acq: 27 Oct 2021 13:54

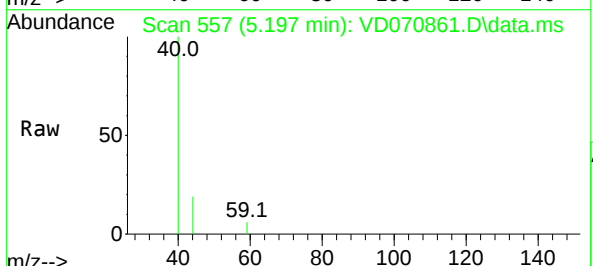
Instrument :
MSVOA_D
ClientSampled :



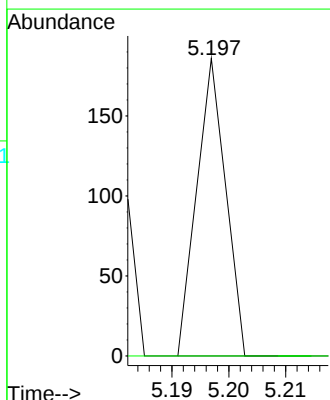
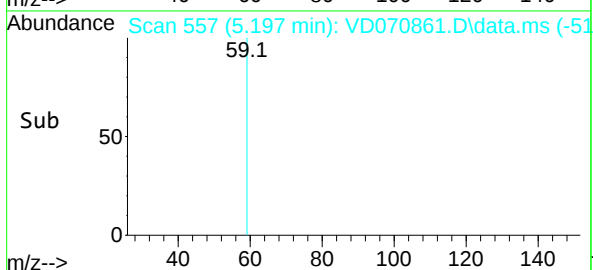
Tgt Ion:142 Resp: 275
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

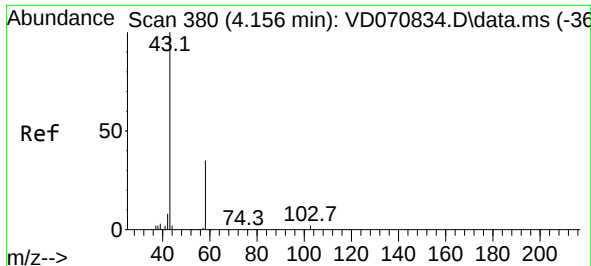


#11
Tert butyl alcohol
Concen: 1.470 ug/l
RT: 5.197 min Scan# 557
Delta R.T. -0.023 min
Lab File: VD070861.D
Acq: 27 Oct 2021 13:54



Tgt Ion: 59 Resp: 66
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

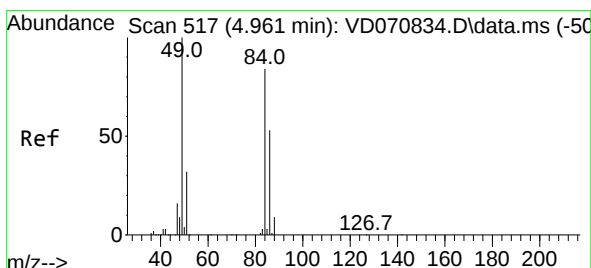
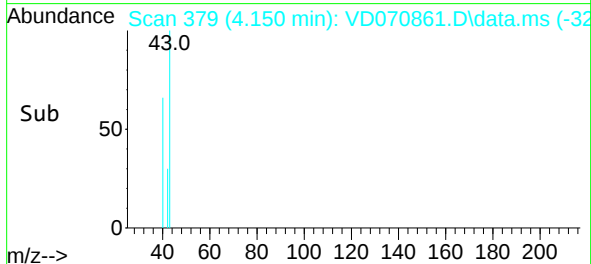
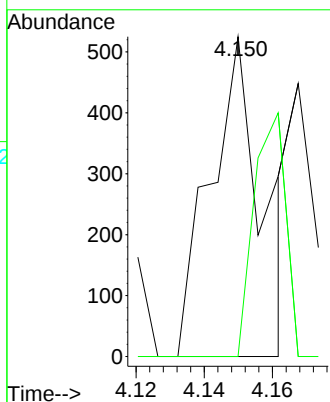
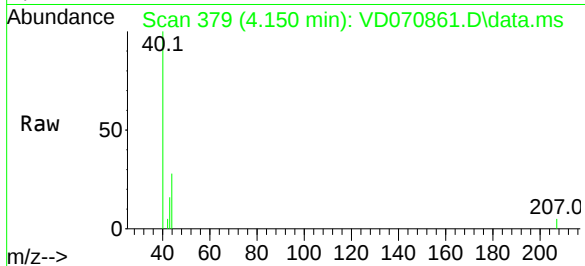




#16
Acetone
Concen: 2.843 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070861.D
Acq: 27 Oct 2021 13:54

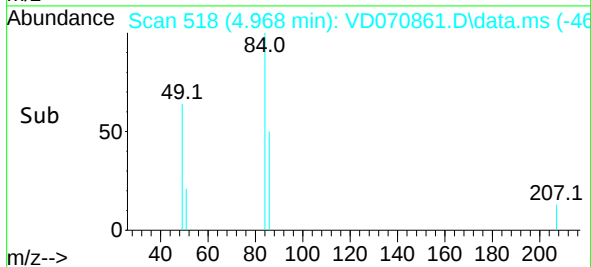
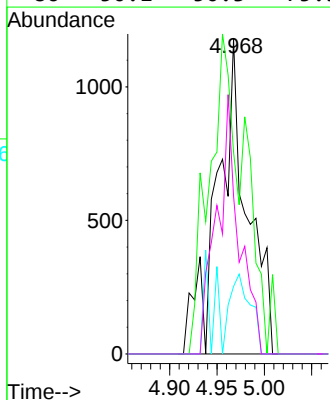
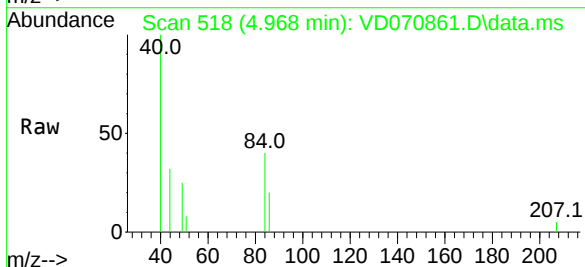
Instrument :
MSVOA_D
ClientSampled :

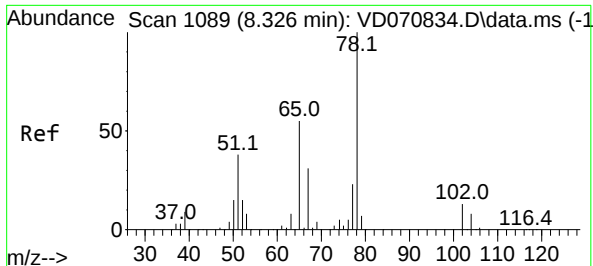
Tgt Ion: 43 Resp: 559
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.007 min
Lab File: VD070861.D
Acq: 27 Oct 2021 13:54

Tgt Ion: 84 Resp: 2610
Ion Ratio Lower Upper
84 100
49 64.1 95.8 143.6#
51 21.4 30.9 46.3#
86 50.1 50.3 75.5#





#33

1,2-Dichloroethane-d4

Concen: 84.061 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD070861.D

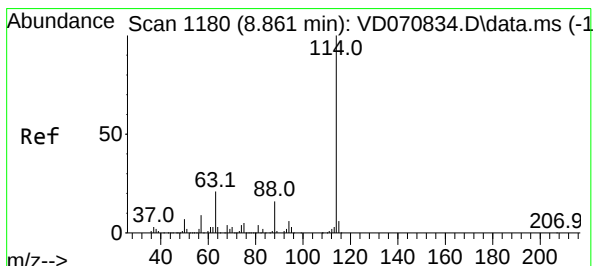
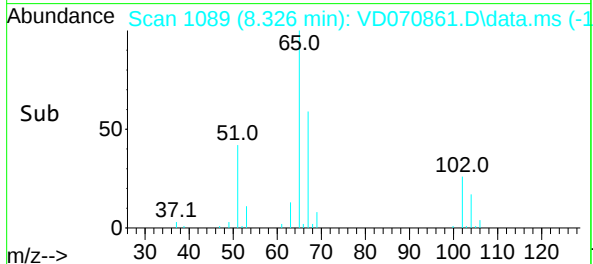
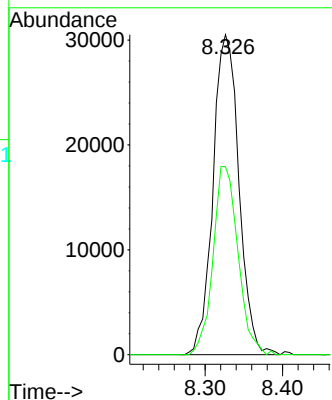
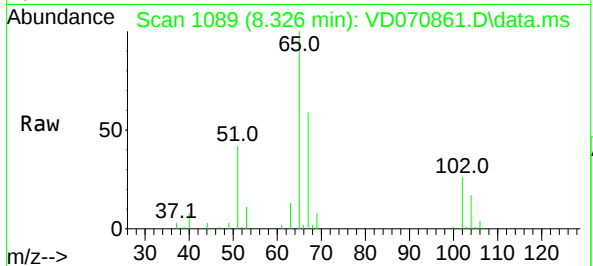
Acq: 27 Oct 2021 13:54

Tgt Ion: 65 Resp: 71031

Ion Ratio Lower Upper

65 100

67 56.8 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: VD070861.D

Acq: 27 Oct 2021 13:54

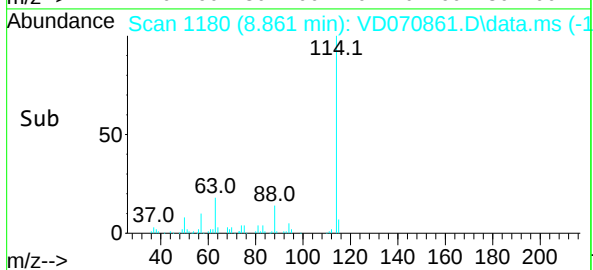
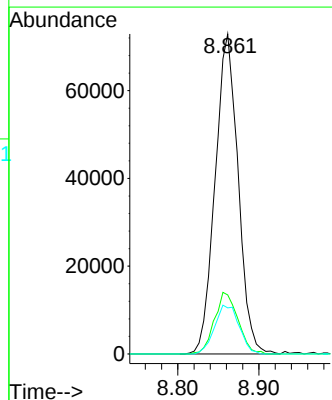
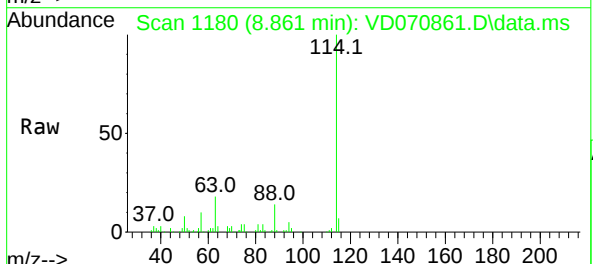
Tgt Ion: 114 Resp: 143431

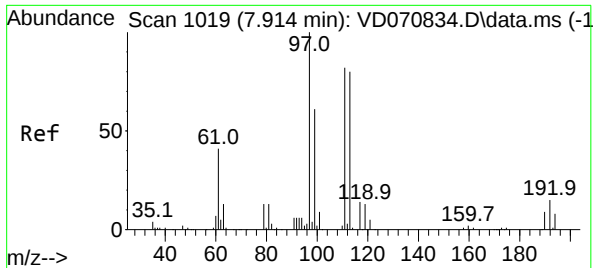
Ion Ratio Lower Upper

114 100

63 18.5 0.0 41.8

88 14.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 68.282 ug/l

RT: 7.909 min Scan# 1018

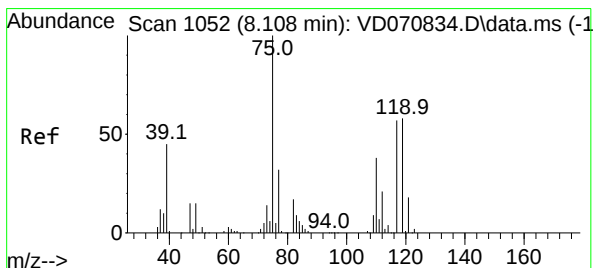
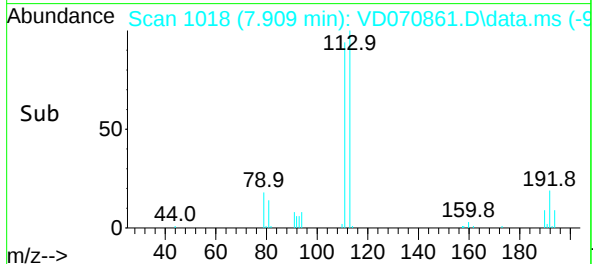
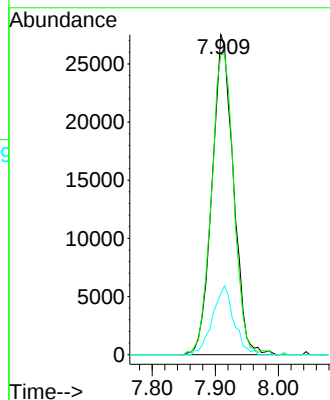
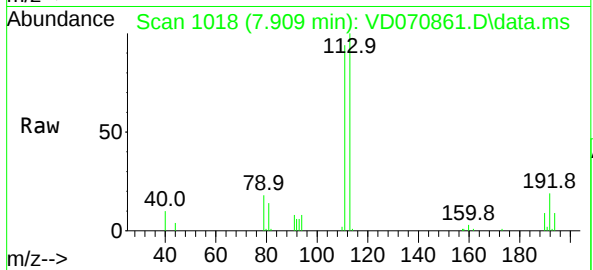
Delta R.T. -0.006 min

Lab File: VD070861.D

Acq: 27 Oct 2021 13:54

Tgt Ion:	113	Resp:	64575
Ion	Ratio	Lower	Upper
113	100		
111	98.9	82.0	123.0
192	21.5	15.2	22.8

Instrument :
MSVOA_D
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.686 ug/l

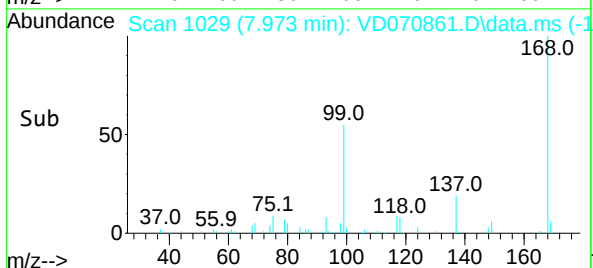
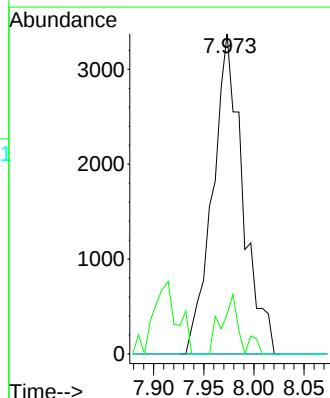
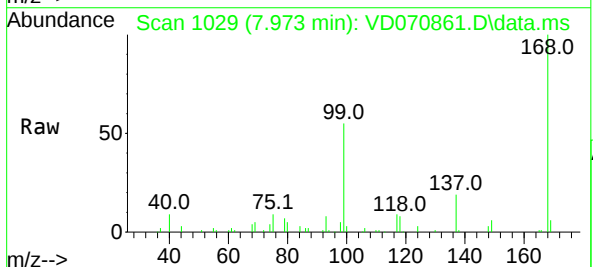
RT: 7.973 min Scan# 1029

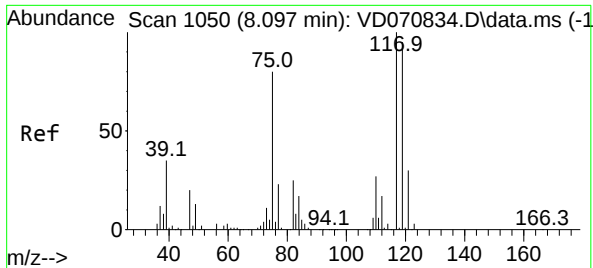
Delta R.T. -0.135 min

Lab File: VD070861.D

Acq: 27 Oct 2021 13:54

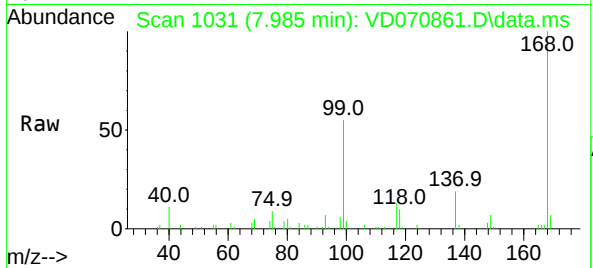
Tgt Ion:	75	Resp:	7032
Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.8	53.4#
77	0.0	24.8	37.2#



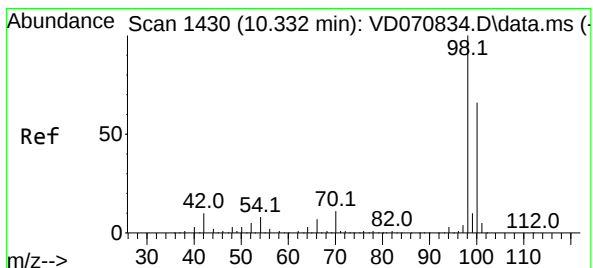
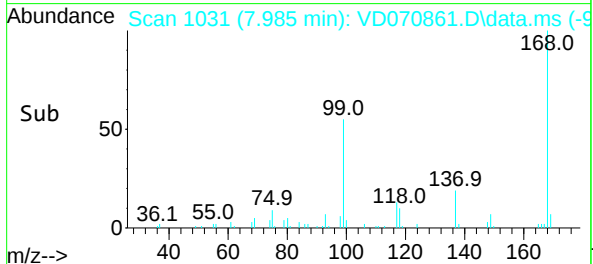
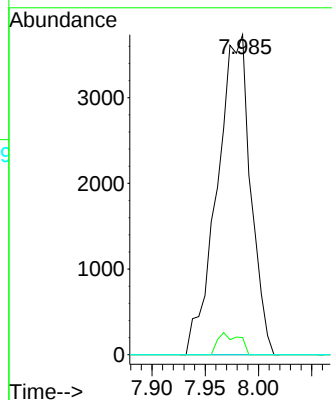


#38
Carbon Tetrachloride
Concen: 5.389 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD070861.D
Acq: 27 Oct 2021 13:54

Instrument :
MSVOA_D
ClientSampled :

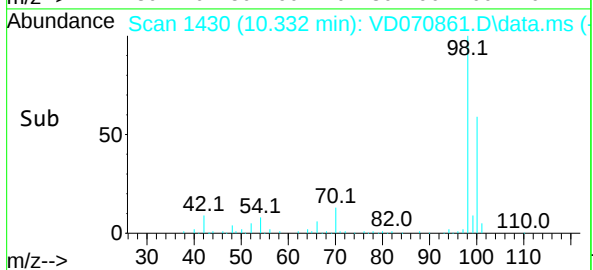
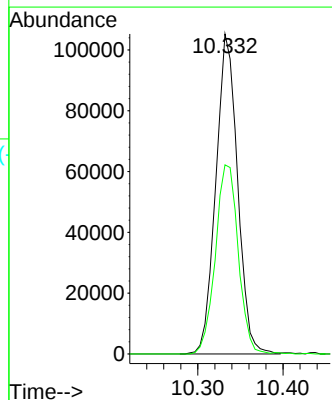
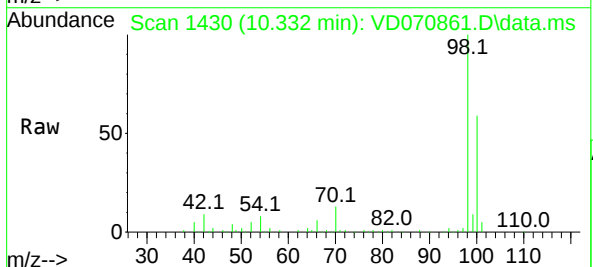


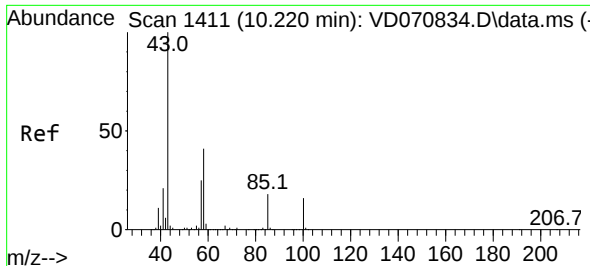
Tgt Ion:117 Resp: 8132
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.6#
121 0.0 23.6 35.4#



#50
Toluene-d8
Concen: 52.350 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070861.D
Acq: 27 Oct 2021 13:54

Tgt Ion: 98 Resp: 186256
Ion Ratio Lower Upper
98 100
100 62.3 51.8 77.6

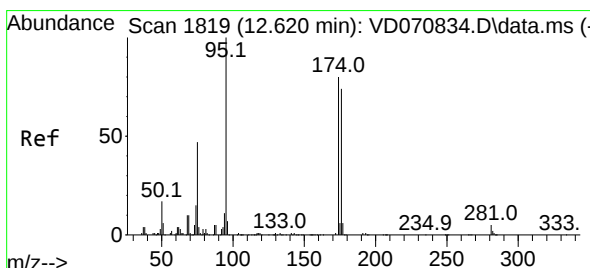
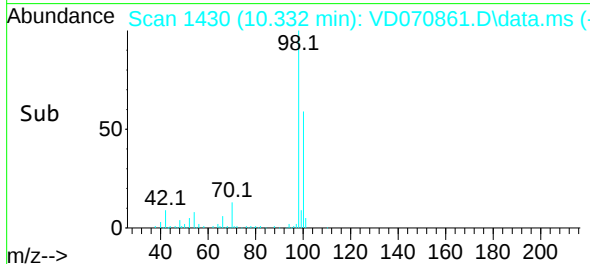
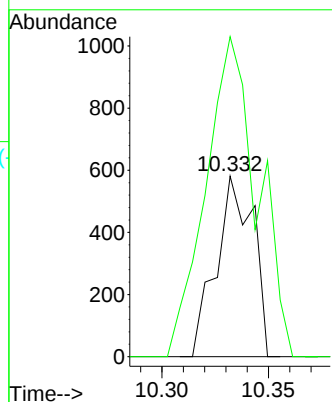
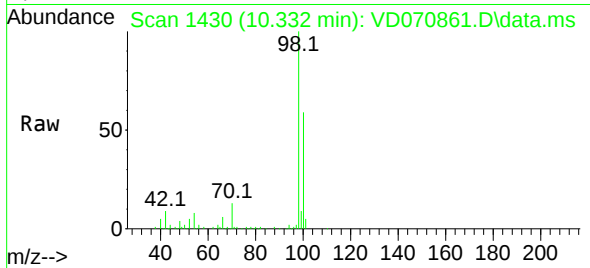




#51
4-Methyl-2-Pentanone
Concen: 1.289 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.112 min
Lab File: VD070861.D
Acq: 27 Oct 2021 13:54

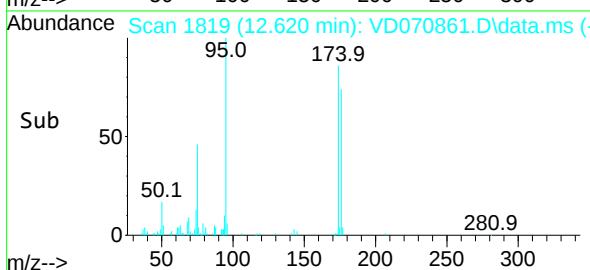
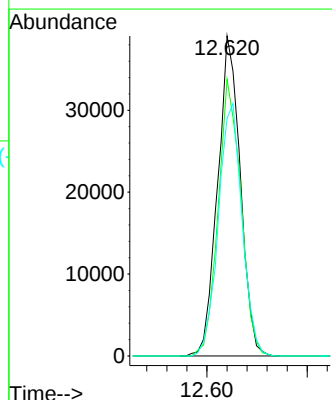
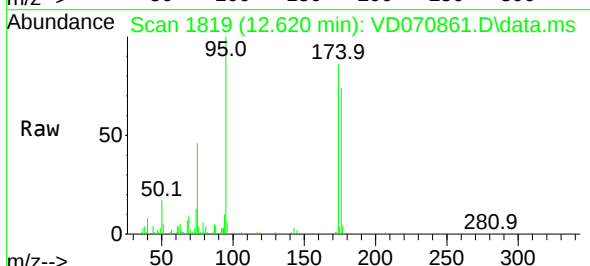
Instrument :
MSVOA_D
ClientSampled :

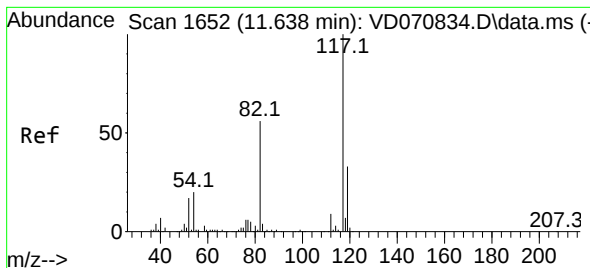
Tgt Ion: 43 Resp: 701
Ion Ratio Lower Upper
43 100
58 248.1 33.1 49.7#



#62
4-Bromofluorobenzene
Concen: 52.046 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070861.D
Acq: 27 Oct 2021 13:54

Tgt Ion: 95 Resp: 61098
Ion Ratio Lower Upper
95 100
174 86.6 0.0 159.4
176 82.6 0.0 154.0

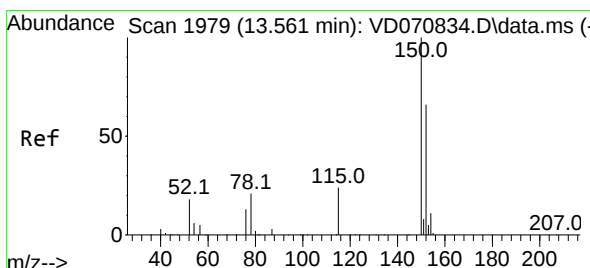
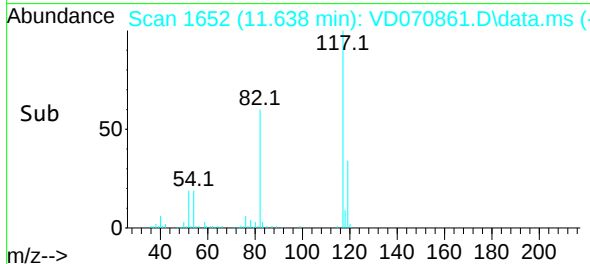
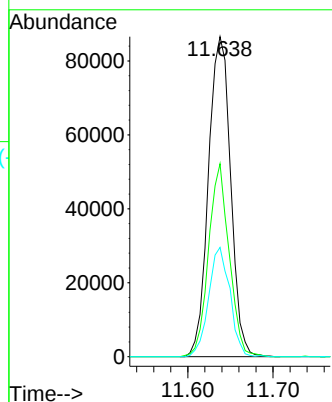
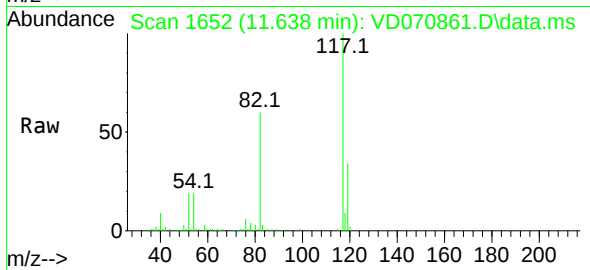




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070861.D
Acq: 27 Oct 2021 13:54

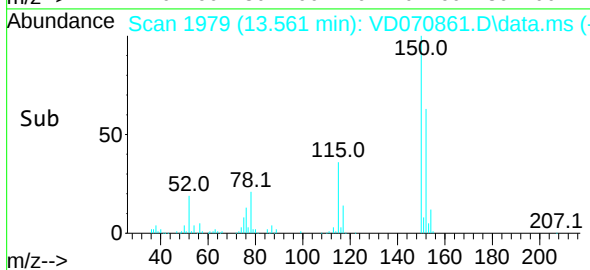
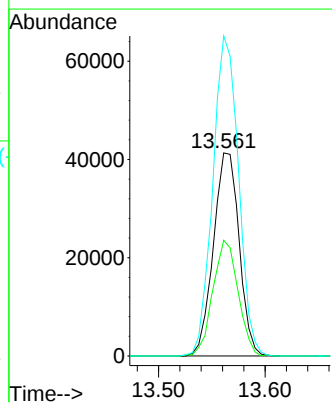
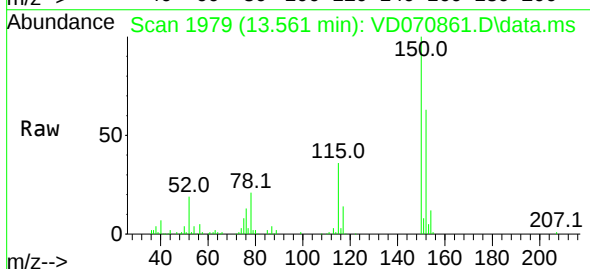
Instrument :
MSVOA_D
ClientSampleId :

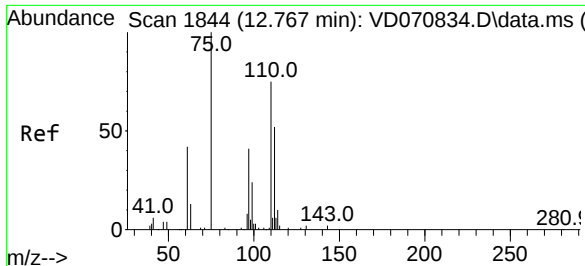
Tgt Ion:117 Resp: 156523
Ion Ratio Lower Upper
117 100
82 60.3 44.7 67.1
119 34.1 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070861.D
Acq: 27 Oct 2021 13:54

Tgt Ion:152 Resp: 69288
Ion Ratio Lower Upper
152 100
115 55.9 29.8 89.3
150 157.3 0.0 349.2

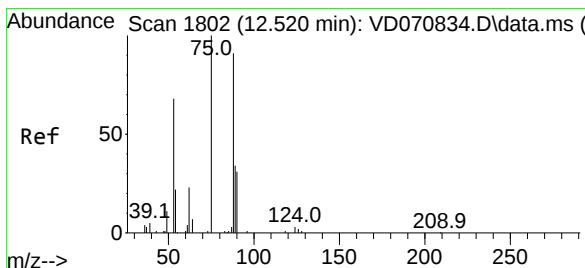
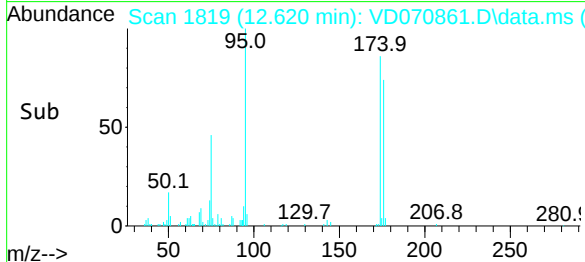
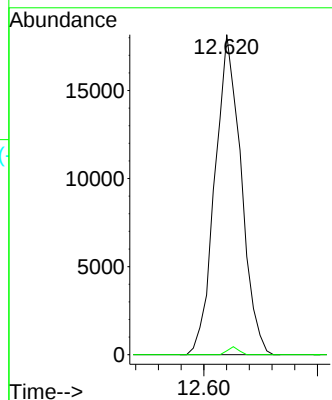
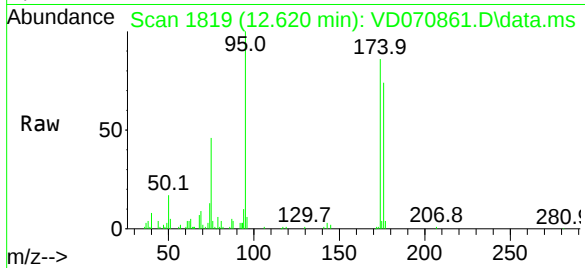




#76
1,2,3-Trichloropropane
Concen: 42.598 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD070861.D
Acq: 27 Oct 2021 13:54

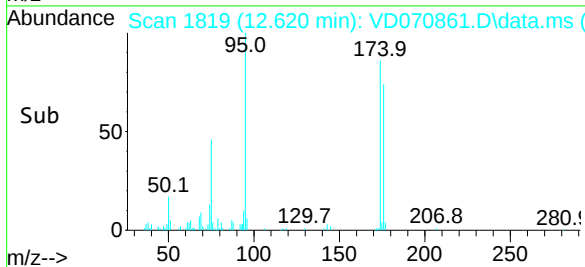
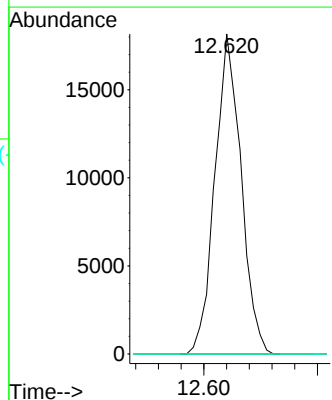
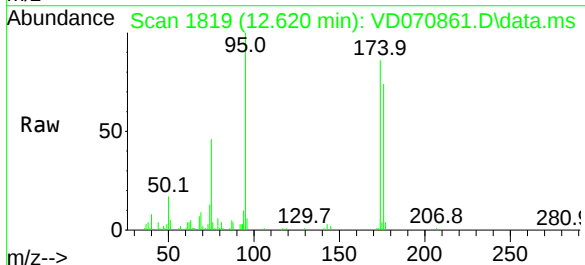
Instrument :
MSVOA_D
ClientSampleId :

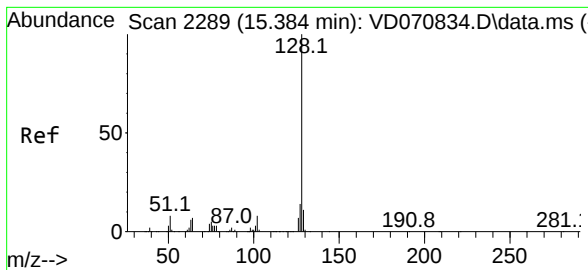
Tgt Ion: 75 Resp: 29055
Ion Ratio Lower Upper
75 100
77 1.1 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.804 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070861.D
Acq: 27 Oct 2021 13:54

Tgt Ion: 75 Resp: 29055
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#





#95
Naphthalene
Concen: 4.216 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.001 min
Lab File: VD070861.D
Acq: 27 Oct 2021 13:54

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 217
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

