

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082321\
 Data File : VD070223.D
 Acq On : 23 Aug 2021 15:53
 Operator : VA/SY
 Sample : M3463-33
 Misc : 6.36G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 24 01:31:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

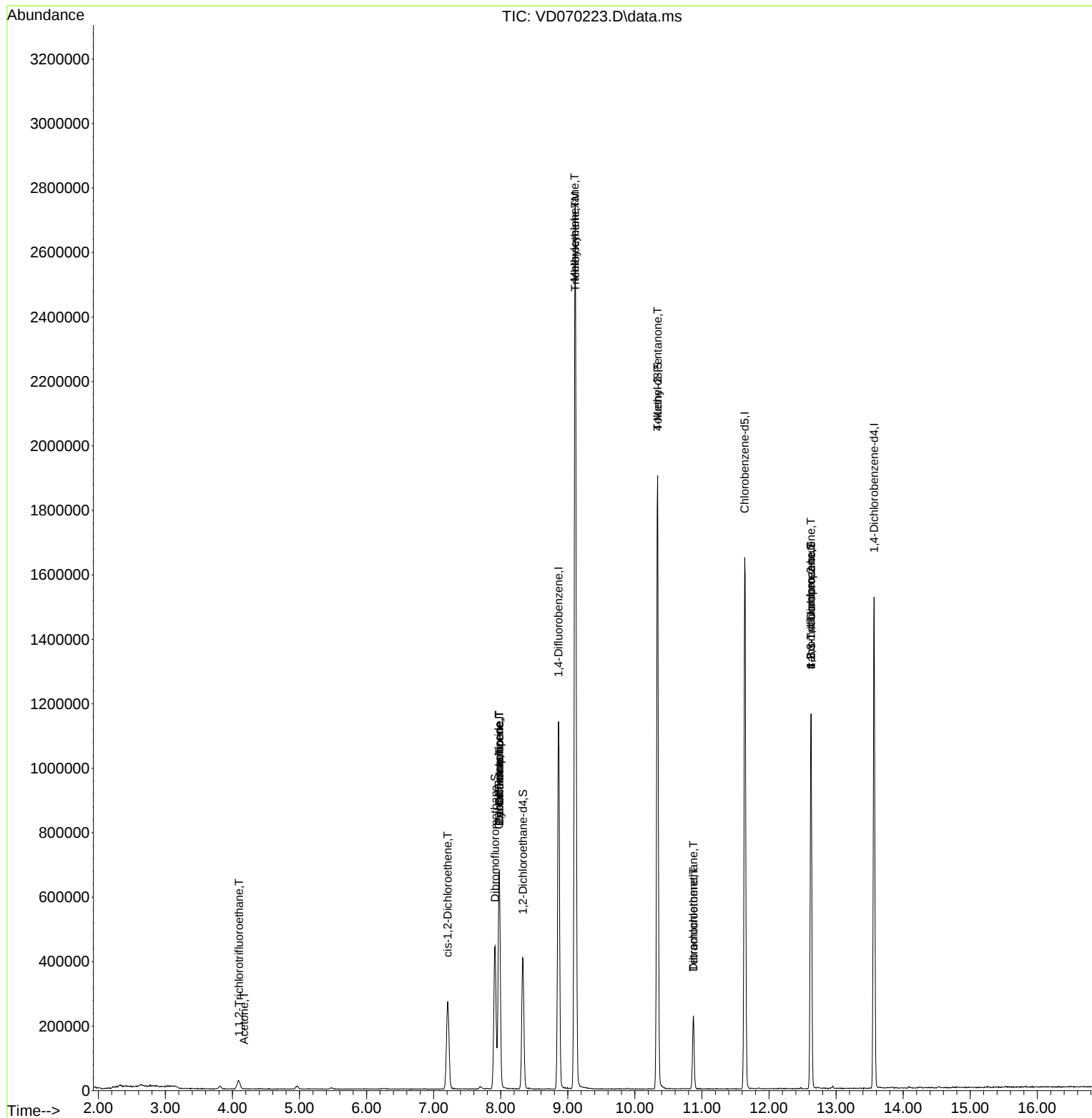
Internal Standards						
1) Pentafluorobenzene	7.979	168	488137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	976507	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	963453	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	391512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	323380	56.326	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.660%
35) Dibromofluoromethane	7.914	113	328116	52.009	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.020%
50) Toluene-d8	10.338	98	1281691	52.233	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.460%
62) 4-Bromofluorobenzene	12.626	95	400738	49.583	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.160%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	582	Below Cal	#	42
3) Chloromethane	2.215	50	1194	Below Cal	#	58
5) Bromomethane	2.779	94	2088	Below Cal	#	65
9) 1,1,2-Trichlorotrifluo...	4.097	101	18077	2.864	ug/l	97
16) Acetone	4.173	43	1470	1.390	ug/l #	41
20) Methylene Chloride	4.956	84	7023	Below Cal		91
27) cis-1,2-Dichloroethene	7.209	96	170356	23.813	ug/l	90
31) Cyclohexane	7.979	56	12385	1.090	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	46166	4.395	ug/l #	49
38) Carbon Tetrachloride	7.973	117	52063	5.459	ug/l #	15
39) Methylcyclohexane	9.103	83	13773	1.126	ug/l #	1
44) Trichloroethene	9.108	130	994141	135.061	ug/l	99
51) 4-Methyl-2-Pentanone	10.338	43	5525	1.492	ug/l #	1
60) Dibromochloromethane	10.873	129	51385	8.235	ug/l #	10
64) Tetrachloroethene	10.873	164	50280	8.089	ug/l	97
76) 1,2,3-Trichloropropane	12.626	75	200056	50.386	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	200056	130.783	ug/l #	17

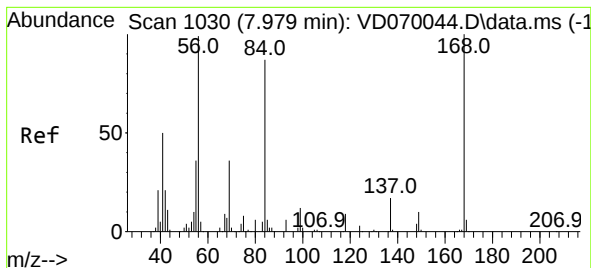
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 14 02:33:51 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: VD070223.D

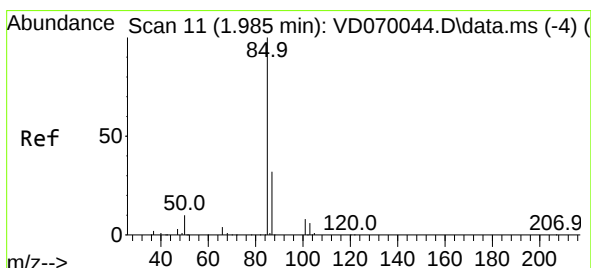
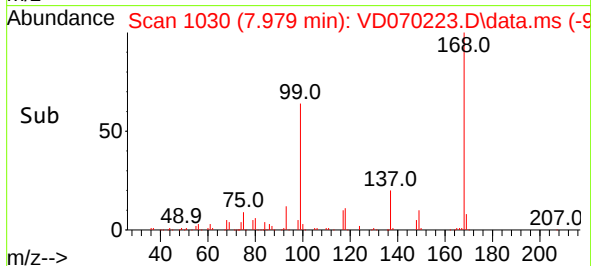
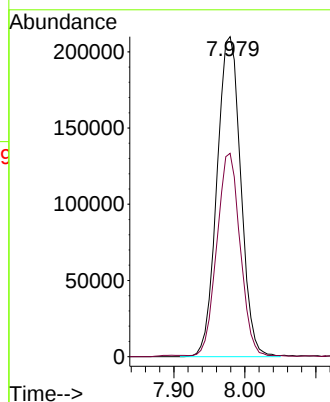
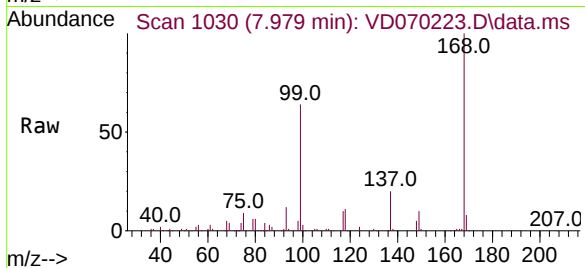
Acq: 23 Aug 2021 15:53

Tgt Ion:168 Resp: 488137

Ion Ratio Lower Upper

168 100

99 63.2 50.3 75.5



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.991 min Scan# 12

Delta R.T. 0.006 min

Lab File: VD070223.D

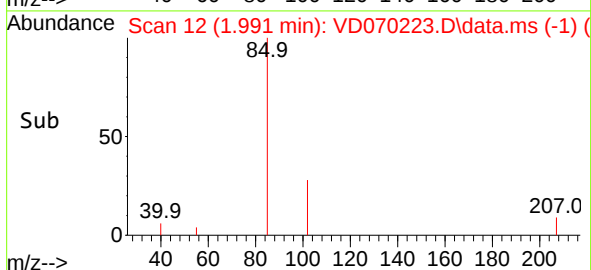
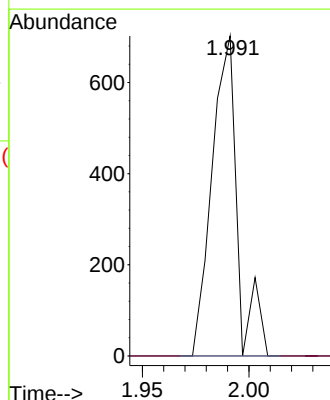
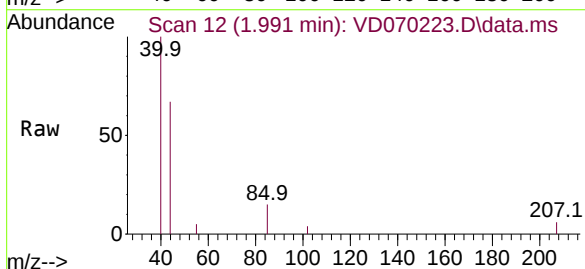
Acq: 23 Aug 2021 15:53

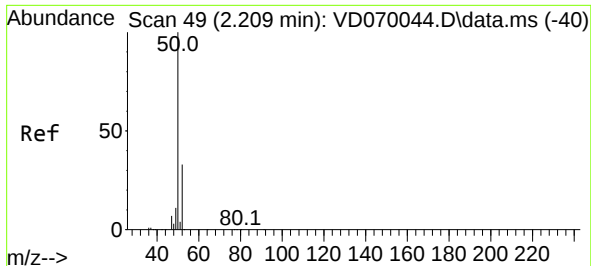
Tgt Ion: 85 Resp: 582

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.6#

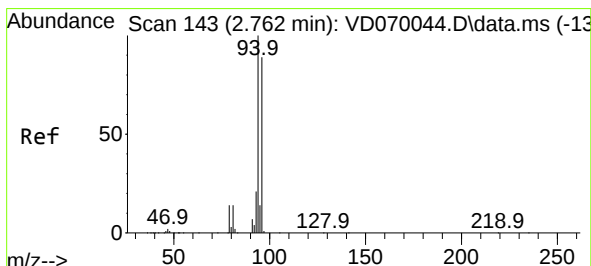
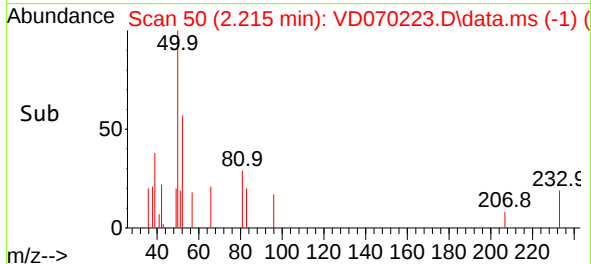
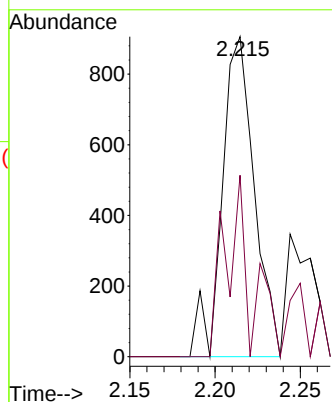
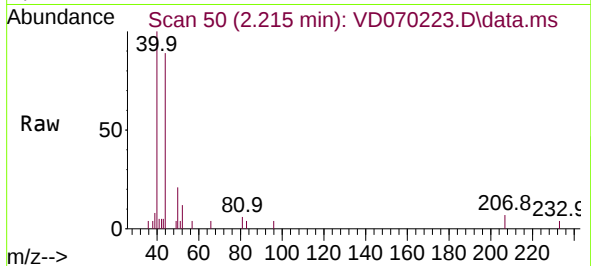




#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070223.D
Acq: 23 Aug 2021 15:53

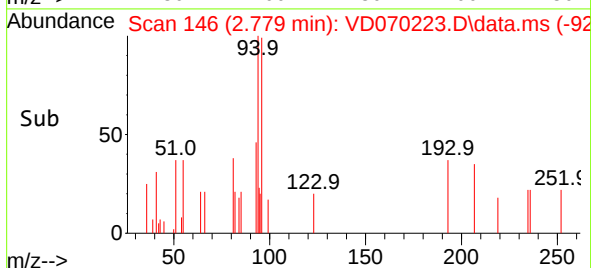
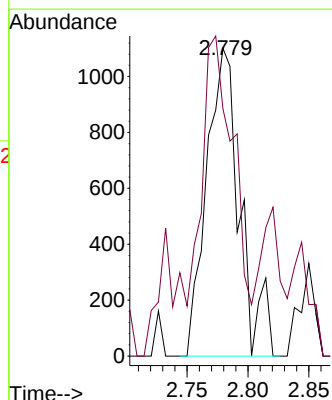
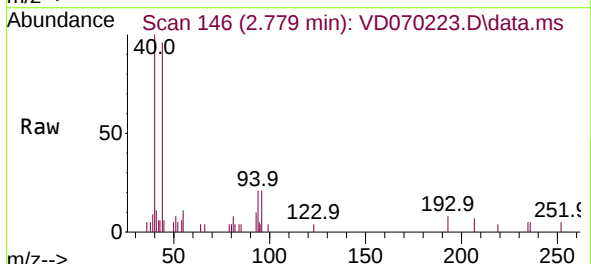
Instrument :
MSVOA_D
ClientSampled :

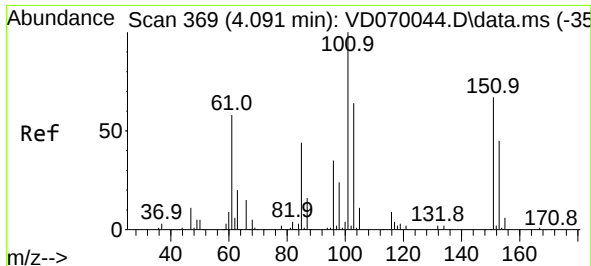
Tgt Ion: 50 Resp: 1194
Ion Ratio Lower Upper
50 100
52 56.7 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070223.D
Acq: 23 Aug 2021 15:53

Tgt Ion: 94 Resp: 2088
Ion Ratio Lower Upper
94 100
96 56.0 70.9 106.3#

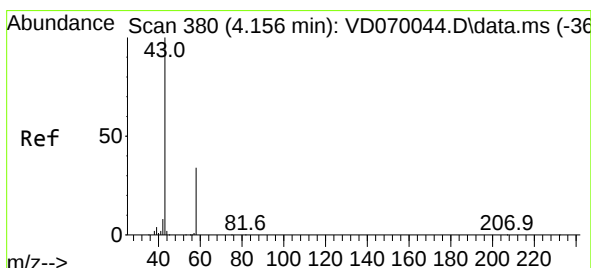
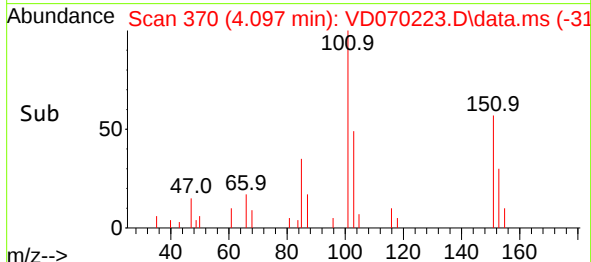
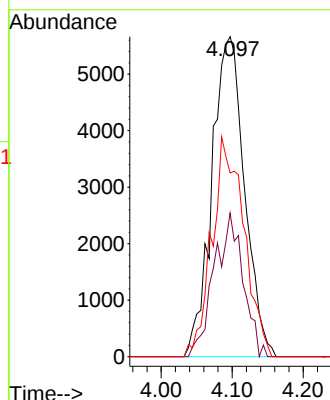
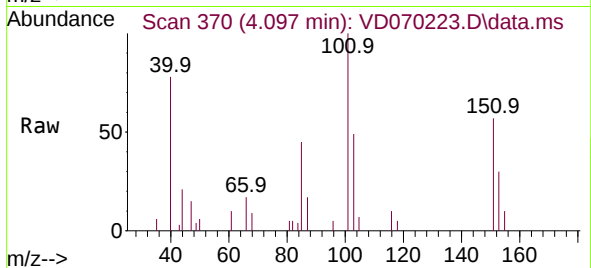




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.864 ug/l
RT: 4.097 min Scan# 370
Delta R.T. 0.006 min
Lab File: VD070223.D
Acq: 23 Aug 2021 15:53

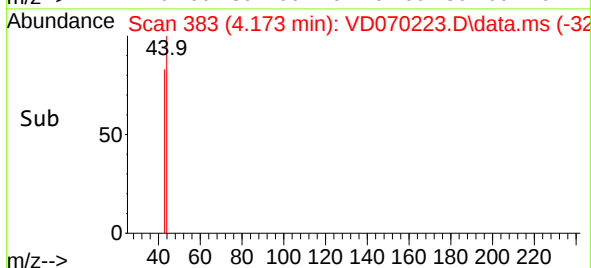
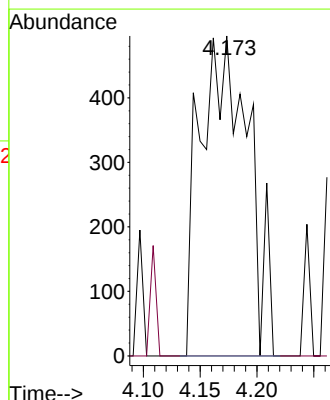
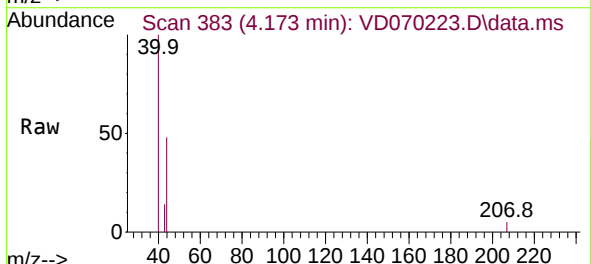
Instrument :
MSVOA_D
ClientSampleId :

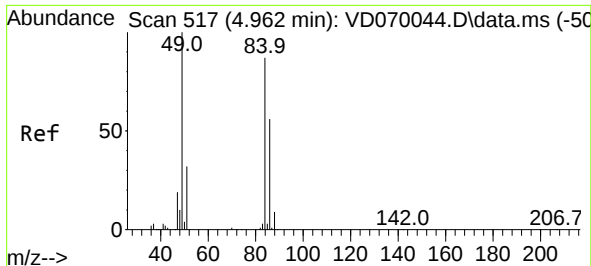
Tgt Ion:101 Resp: 18077
Ion Ratio Lower Upper
101 100
85 39.8 34.6 52.0
151 67.1 55.0 82.6



#16
Acetone
Concen: 1.390 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.018 min
Lab File: VD070223.D
Acq: 23 Aug 2021 15:53

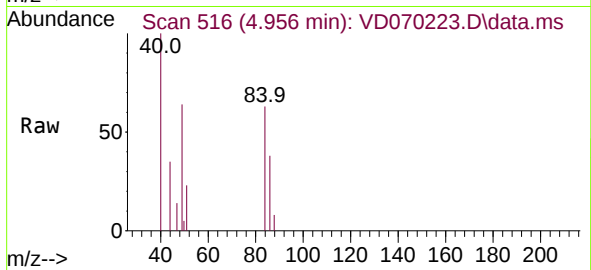
Tgt Ion: 43 Resp: 1470
Ion Ratio Lower Upper
43 100
58 0.0 26.8 40.2#



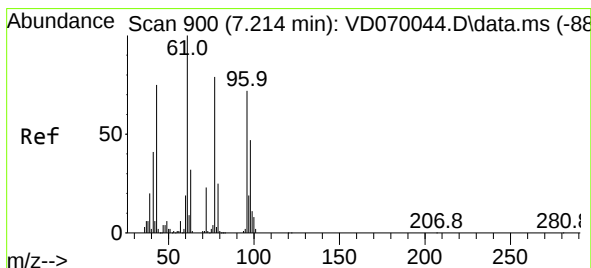
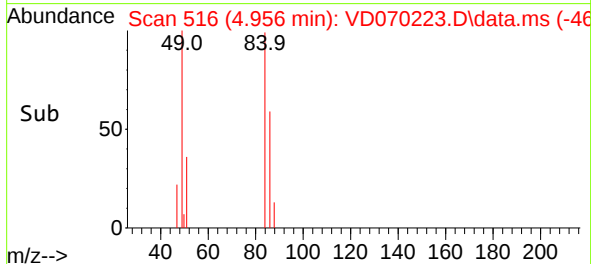
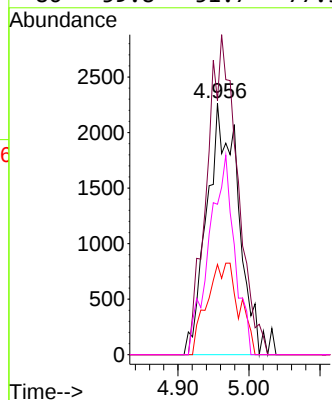


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070223.D
Acq: 23 Aug 2021 15:53

Instrument :
MSVOA_D
ClientSampleId :

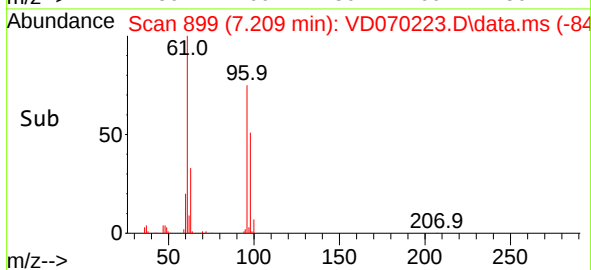
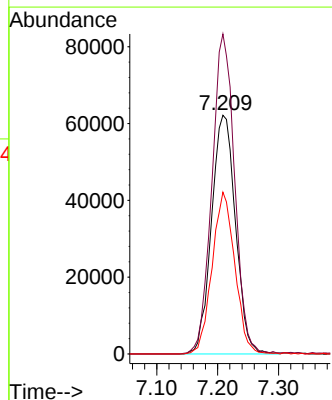
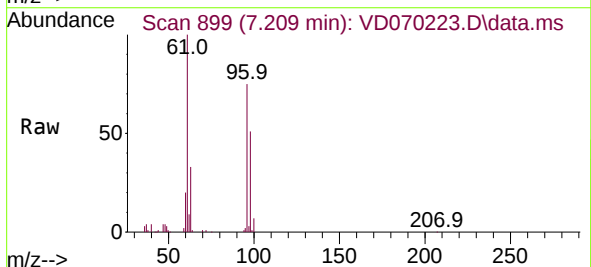


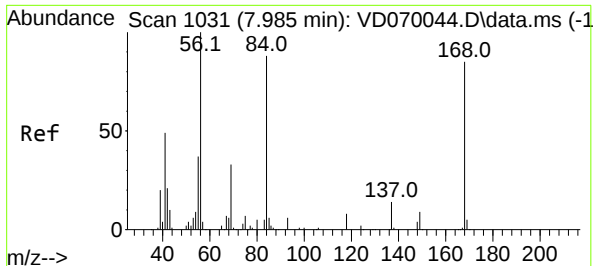
Tgt Ion:	84	Resp:	7023
Ion	Ratio	Lower	Upper
84	100		
49	100.9	92.5	138.7
51	35.9	29.7	44.5
86	59.8	51.7	77.5



#27
cis-1,2-Dichloroethene
Concen: 23.813 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD070223.D
Acq: 23 Aug 2021 15:53

Tgt Ion:	96	Resp:	170356
Ion	Ratio	Lower	Upper
96	100		
61	126.7	0.0	288.2
98	64.2	0.0	129.6

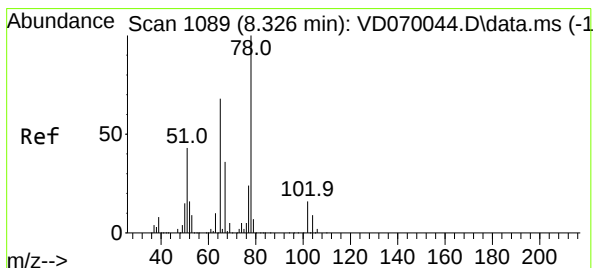
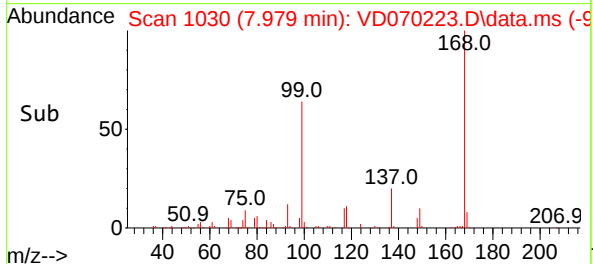
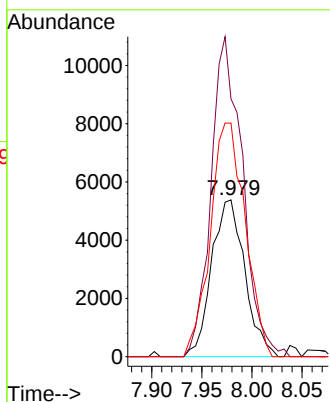
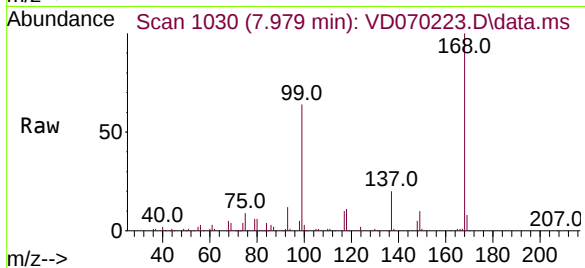




#31
Cyclohexane
Concen: 1.090 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070223.D
Acq: 23 Aug 2021 15:53

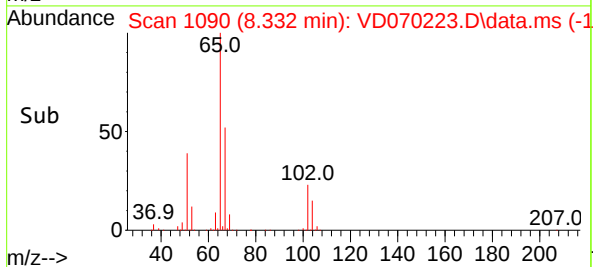
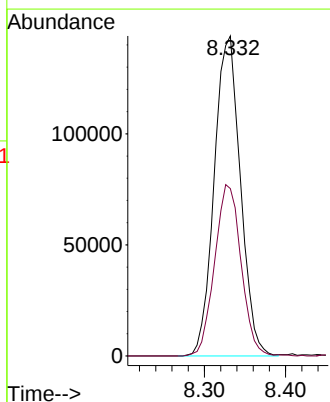
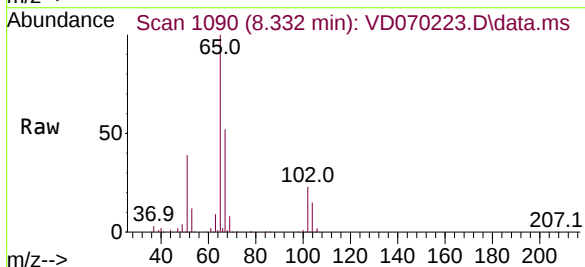
Instrument :
MSVOA_D
ClientSampleId :

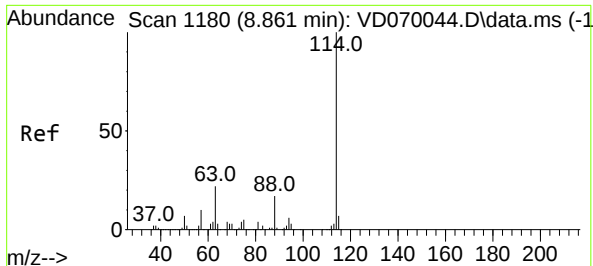
Tgt Ion: 56 Resp: 12385
Ion Ratio Lower Upper
56 100
69 164.5 26.7 40.1#
84 153.3 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 56.326 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070223.D
Acq: 23 Aug 2021 15:53

Tgt Ion: 65 Resp: 323380
Ion Ratio Lower Upper
65 100
67 54.0 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070223.D

Acq: 23 Aug 2021 15:53

Tgt Ion:114 Resp: 976507

Ion Ratio Lower Upper

114 100

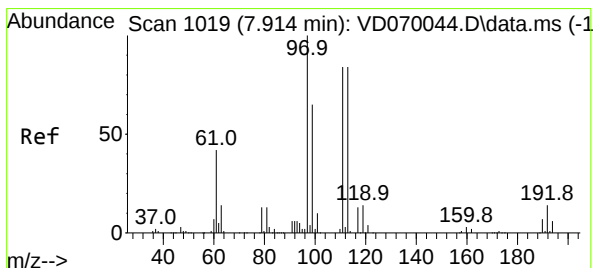
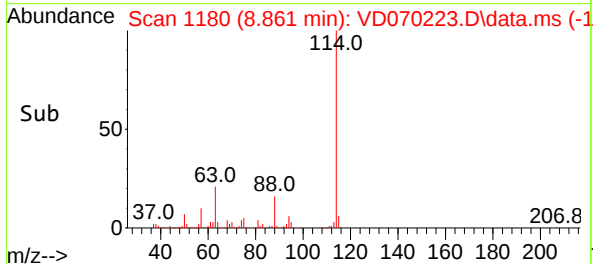
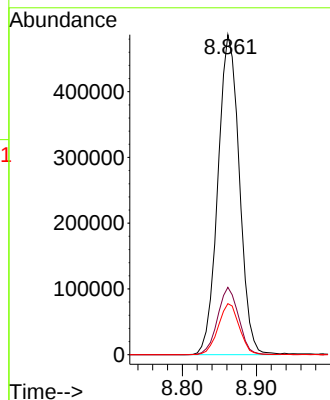
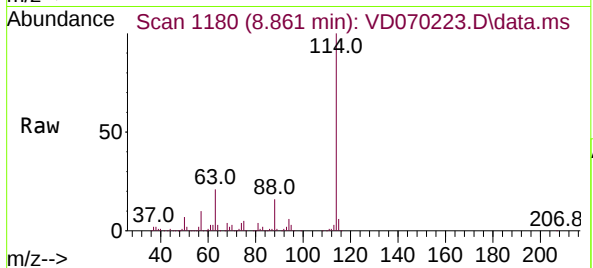
63 21.0 0.0 43.6

88 16.0 0.0 33.4

Instrument :

MSVOA_D

ClientSampled :



#35

Dibromofluoromethane

Concen: 52.009 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070223.D

Acq: 23 Aug 2021 15:53

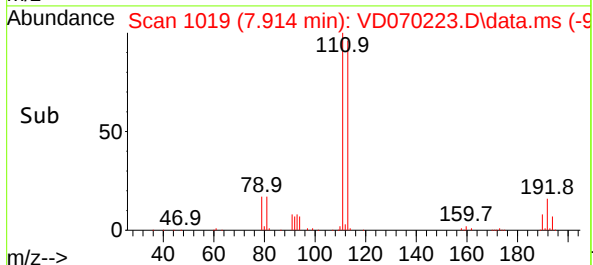
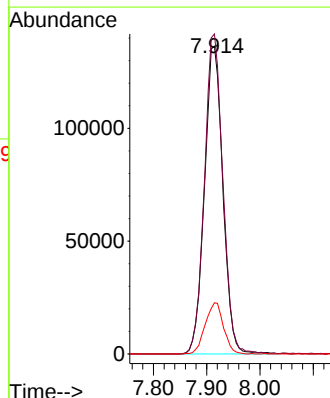
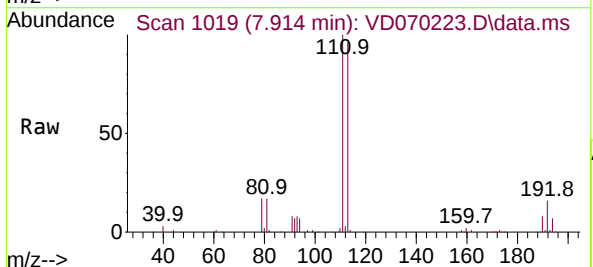
Tgt Ion:113 Resp: 328116

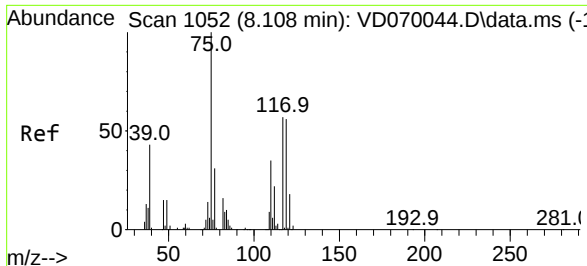
Ion Ratio Lower Upper

113 100

111 104.2 81.8 122.6

192 16.5 13.2 19.8

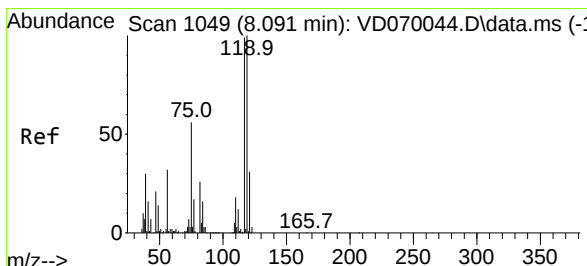
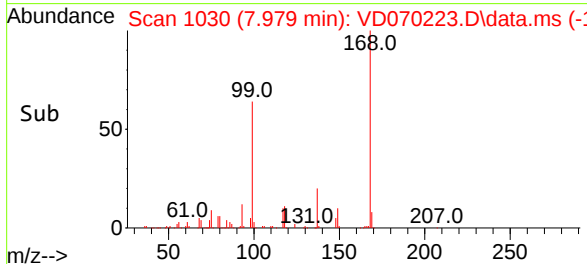
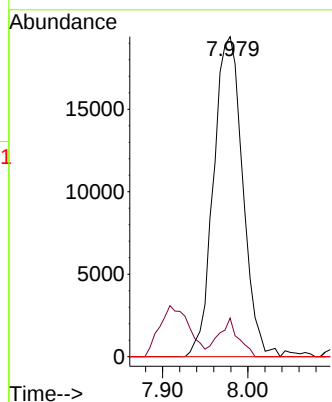
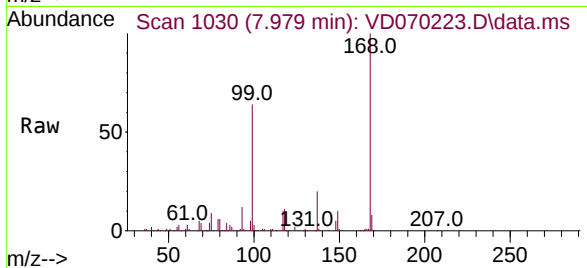




#36
1,1-Dichloropropene
Concen: 4.395 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070223.D
Acq: 23 Aug 2021 15:53

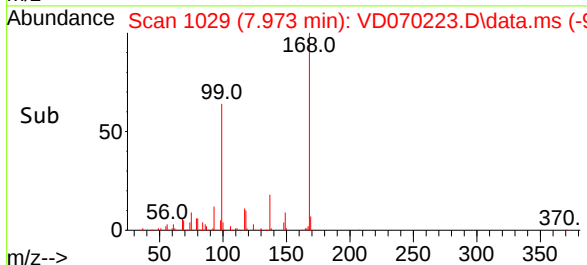
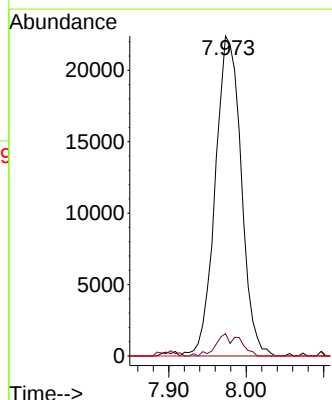
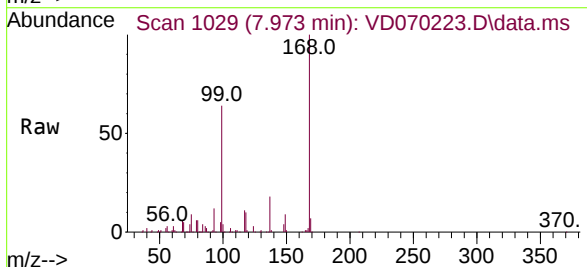
Instrument :
MSVOA_D
ClientSampled :

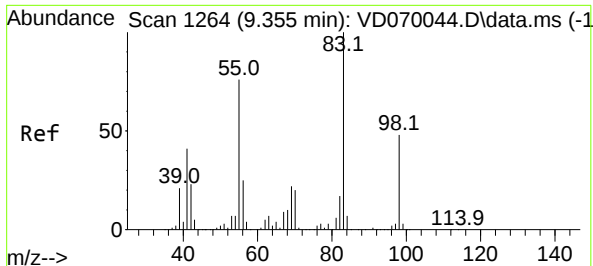
Tgt Ion: 75 Resp: 46166
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.7#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 5.459 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070223.D
Acq: 23 Aug 2021 15:53

Tgt Ion: 117 Resp: 52063
Ion Ratio Lower Upper
117 100
119 7.0 81.0 121.6#
121 0.0 25.0 37.6#





#39

Methylcyclohexane

Concen: 1.126 ug/l

RT: 9.103 min Scan# 1221

Delta R.T. -0.253 min

Lab File: VD070223.D

Acq: 23 Aug 2021 15:53

Tgt Ion: 83 Resp: 13773

Ion Ratio Lower Upper

83 100

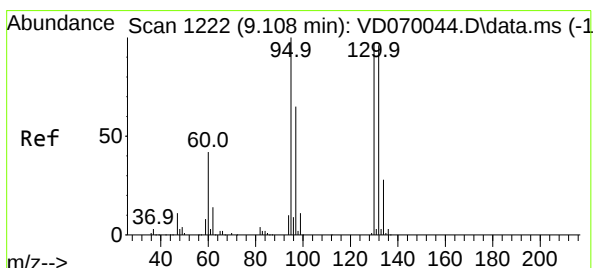
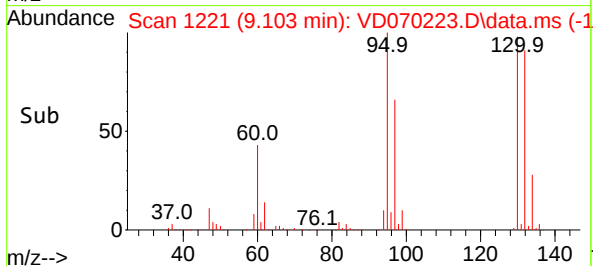
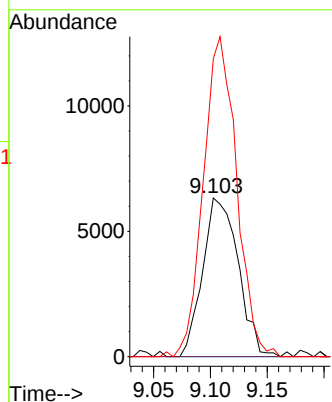
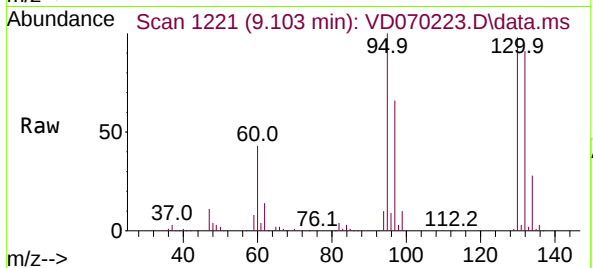
55 0.0 60.7 91.1#

98 184.1 38.6 58.0#

Instrument :

MSVOA_D

ClientSampled :



#44

Trichloroethene

Concen: 135.061 ug/l

RT: 9.108 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD070223.D

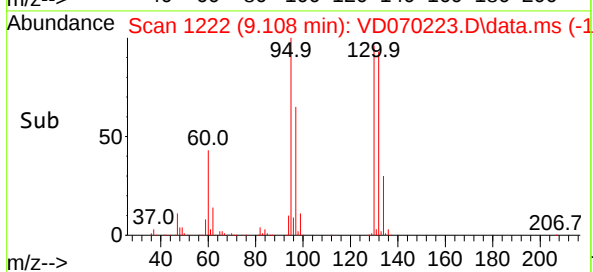
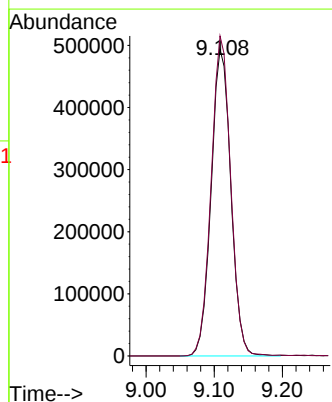
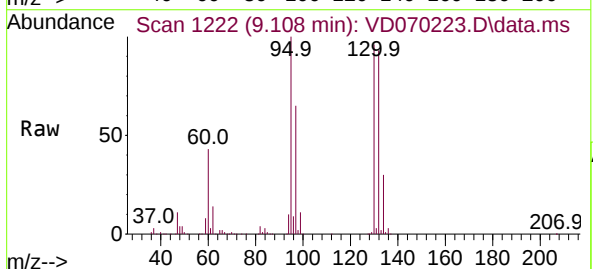
Acq: 23 Aug 2021 15:53

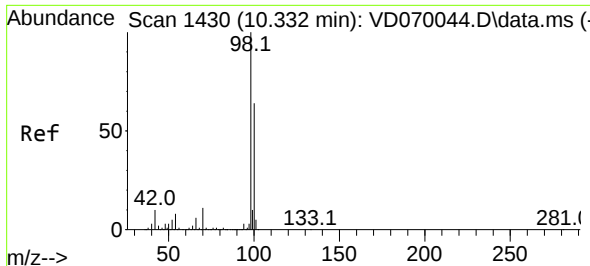
Tgt Ion:130 Resp: 994141

Ion Ratio Lower Upper

130 100

95 104.3 0.0 206.4

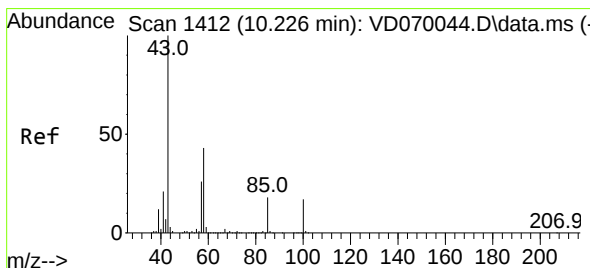
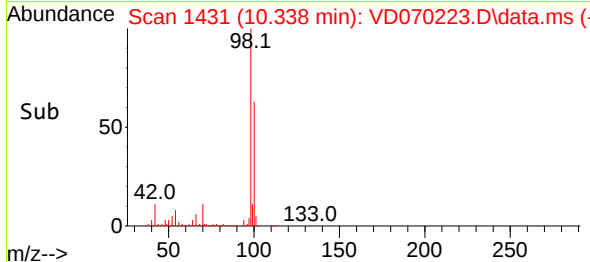
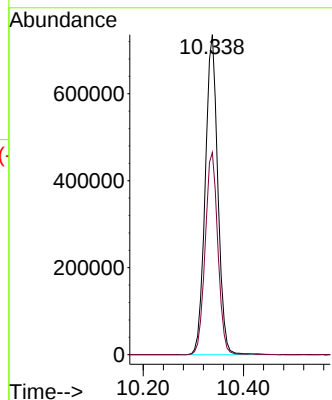
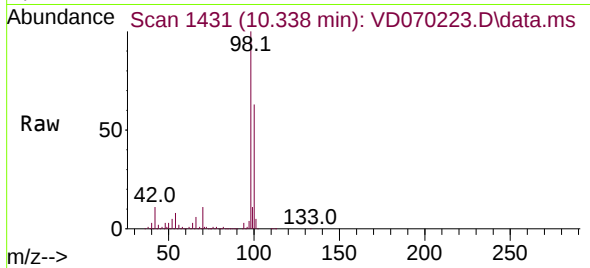




#50
Toluene-d8
Concen: 52.233 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070223.D
Acq: 23 Aug 2021 15:53

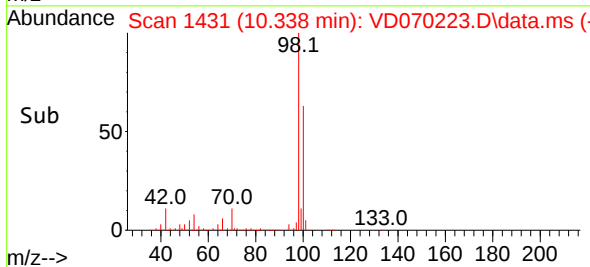
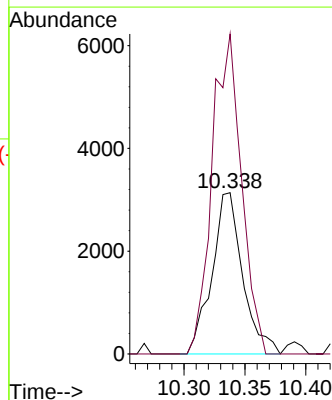
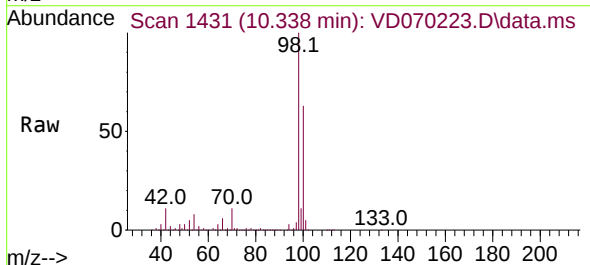
Instrument :
MSVOA_D
ClientSampleId :

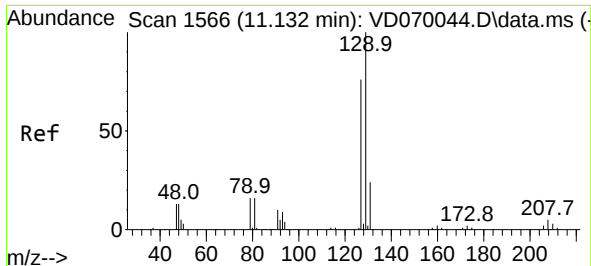
Tgt Ion: 98 Resp: 1281691
Ion Ratio Lower Upper
98 100
100 63.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.492 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD070223.D
Acq: 23 Aug 2021 15:53

Tgt Ion: 43 Resp: 5525
Ion Ratio Lower Upper
43 100
58 189.4 33.9 50.9#

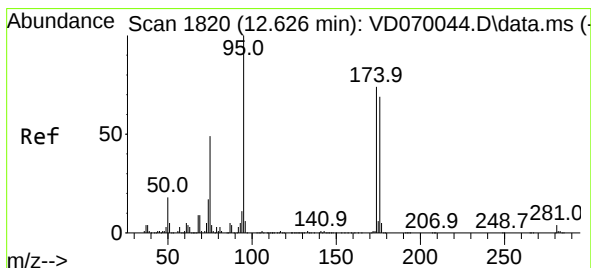
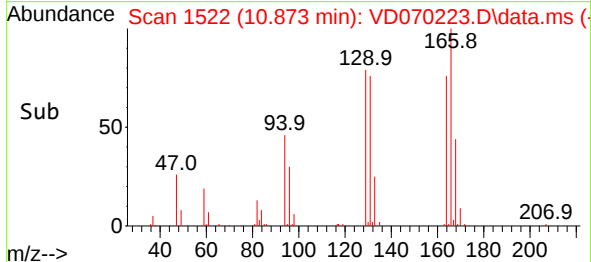
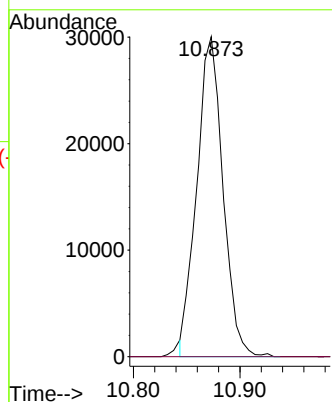
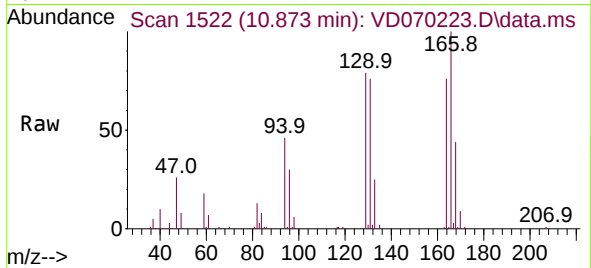




#60
Dibromochloromethane
Concen: 8.235 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.259 min
Lab File: VD070223.D
Acq: 23 Aug 2021 15:53

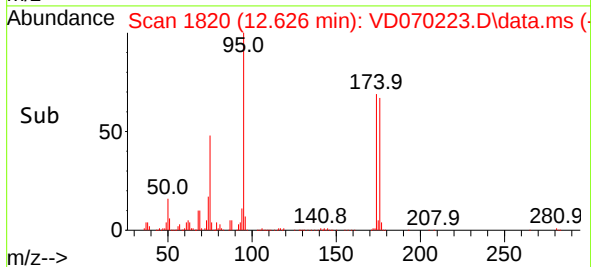
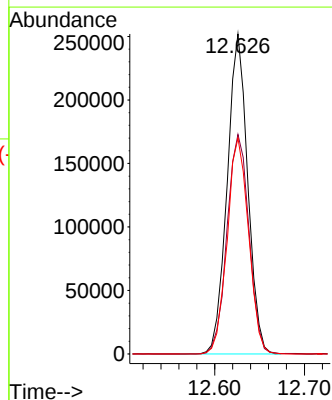
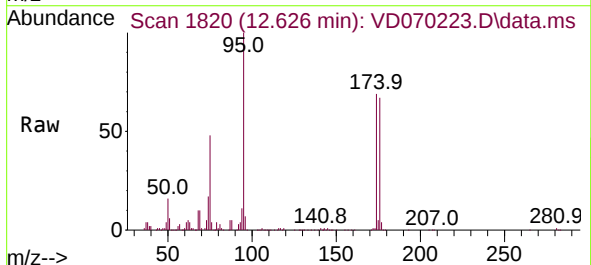
Instrument :
MSVOA_D
ClientSampleId :

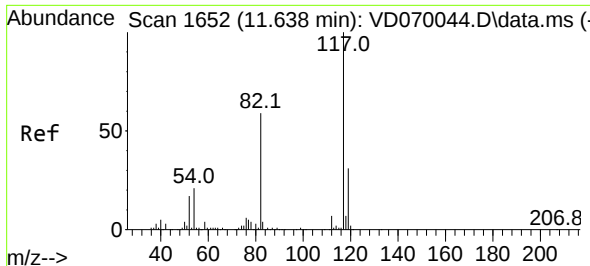
Tgt Ion:129 Resp: 51385
Ion Ratio Lower Upper
129 100
127 0.0 39.4 118.2#



#62
4-Bromofluorobenzene
Concen: 49.583 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070223.D
Acq: 23 Aug 2021 15:53

Tgt Ion: 95 Resp: 400738
Ion Ratio Lower Upper
95 100
174 73.2 0.0 141.6
176 70.1 0.0 138.2

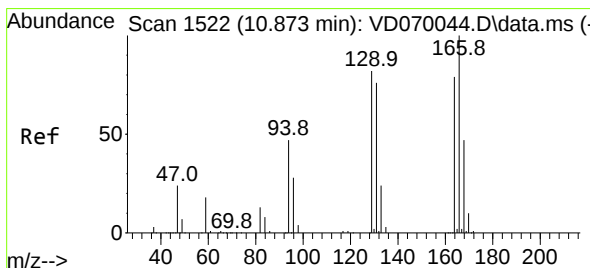
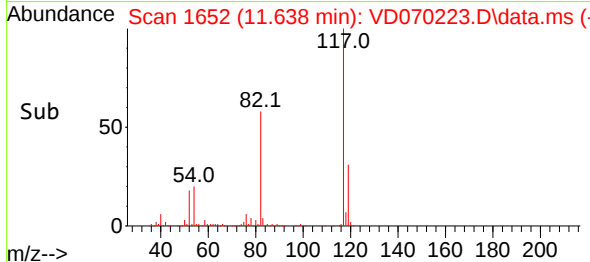
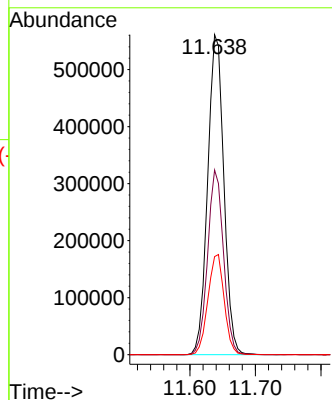
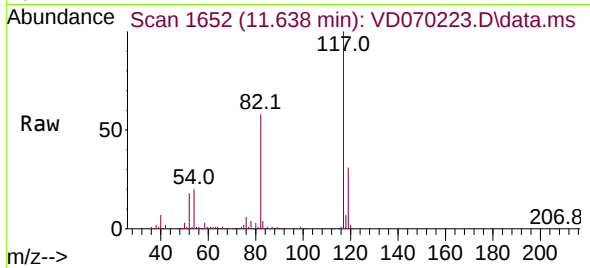




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070223.D
Acq: 23 Aug 2021 15:53

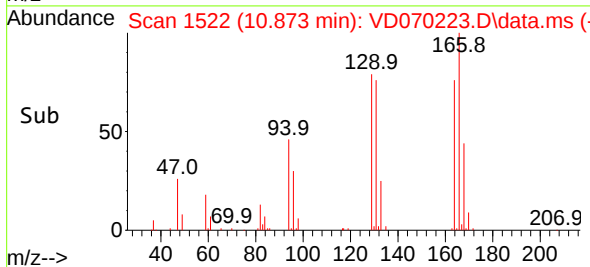
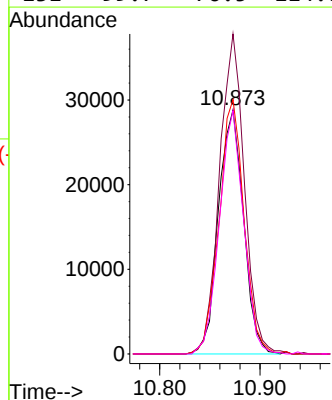
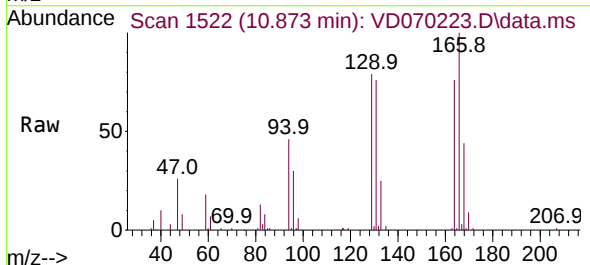
Instrument :
MSVOA_D
ClientSampleId :

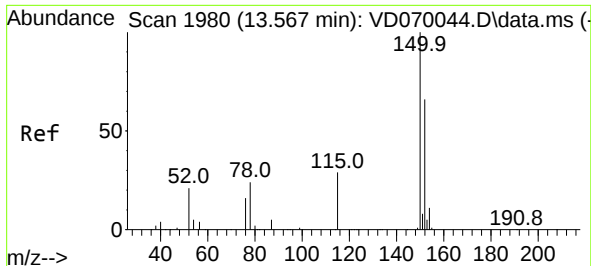
Tgt Ion:117 Resp: 963453
Ion Ratio Lower Upper
117 100
82 57.7 47.5 71.3
119 30.7 25.1 37.7



#64
Tetrachloroethene
Concen: 8.089 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. 0.000 min
Lab File: VD070223.D
Acq: 23 Aug 2021 15:53

Tgt Ion:164 Resp: 50280
Ion Ratio Lower Upper
164 100
166 131.1 101.3 151.9
129 104.2 82.9 124.3
131 99.7 76.5 114.7

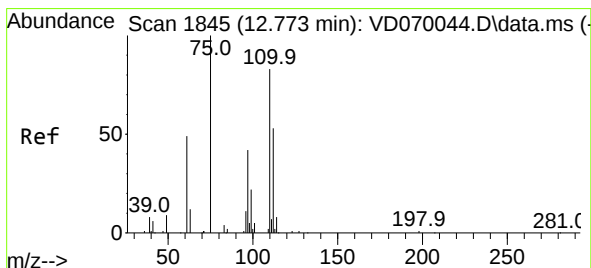
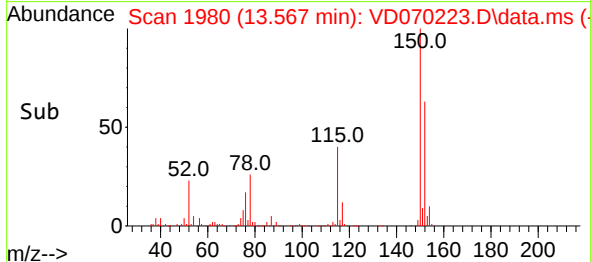
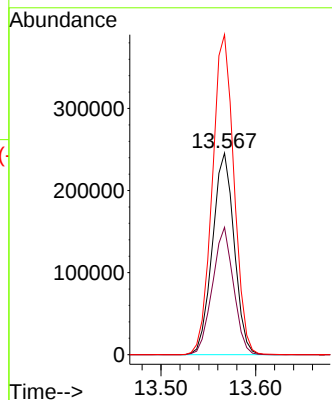
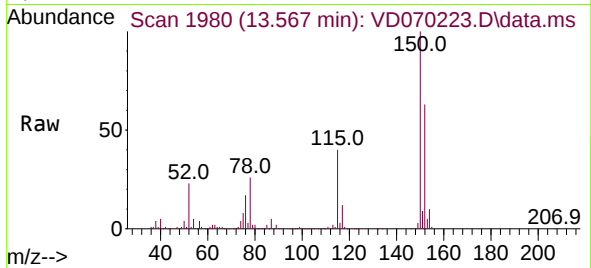




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070223.D
Acq: 23 Aug 2021 15:53

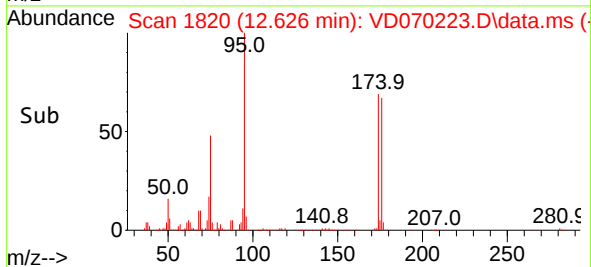
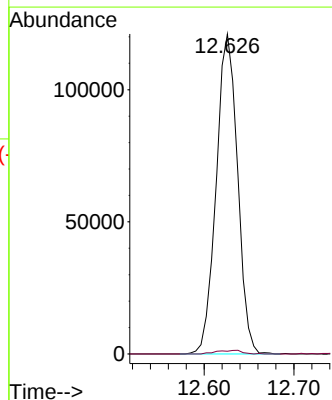
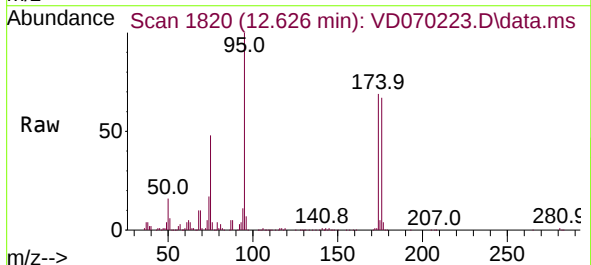
Instrument :
MSVOA_D
ClientSampleId :

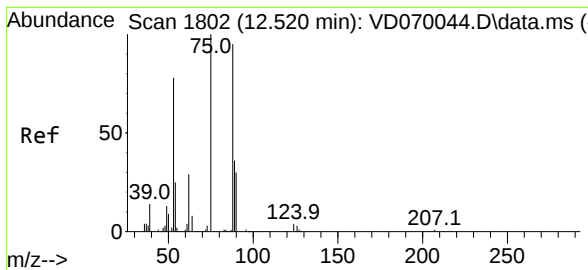
Tgt Ion:152 Resp: 391512
Ion Ratio Lower Upper
152 100
115 61.1 31.2 93.6
150 158.2 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 50.386 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070223.D
Acq: 23 Aug 2021 15:53

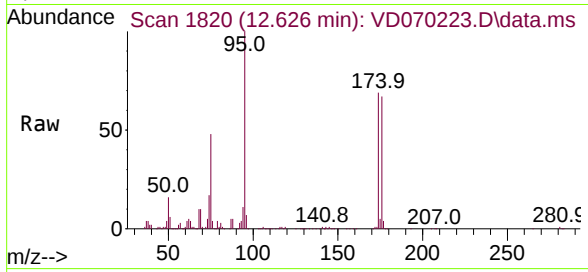
Tgt Ion: 75 Resp: 200056
Ion Ratio Lower Upper
75 100
77 1.4 182.4 547.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.783 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070223.D
 Acq: 23 Aug 2021 15:53

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	64.5	96.7#
89	0.0	33.7	50.5#

