

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050222\
 Data File : VD072754.D
 Acq On : 02 May 2022 19:03
 Operator : VA/SY
 Sample : N2609-01
 Misc : 4.43G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1

Quant Time: May 03 08:36:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

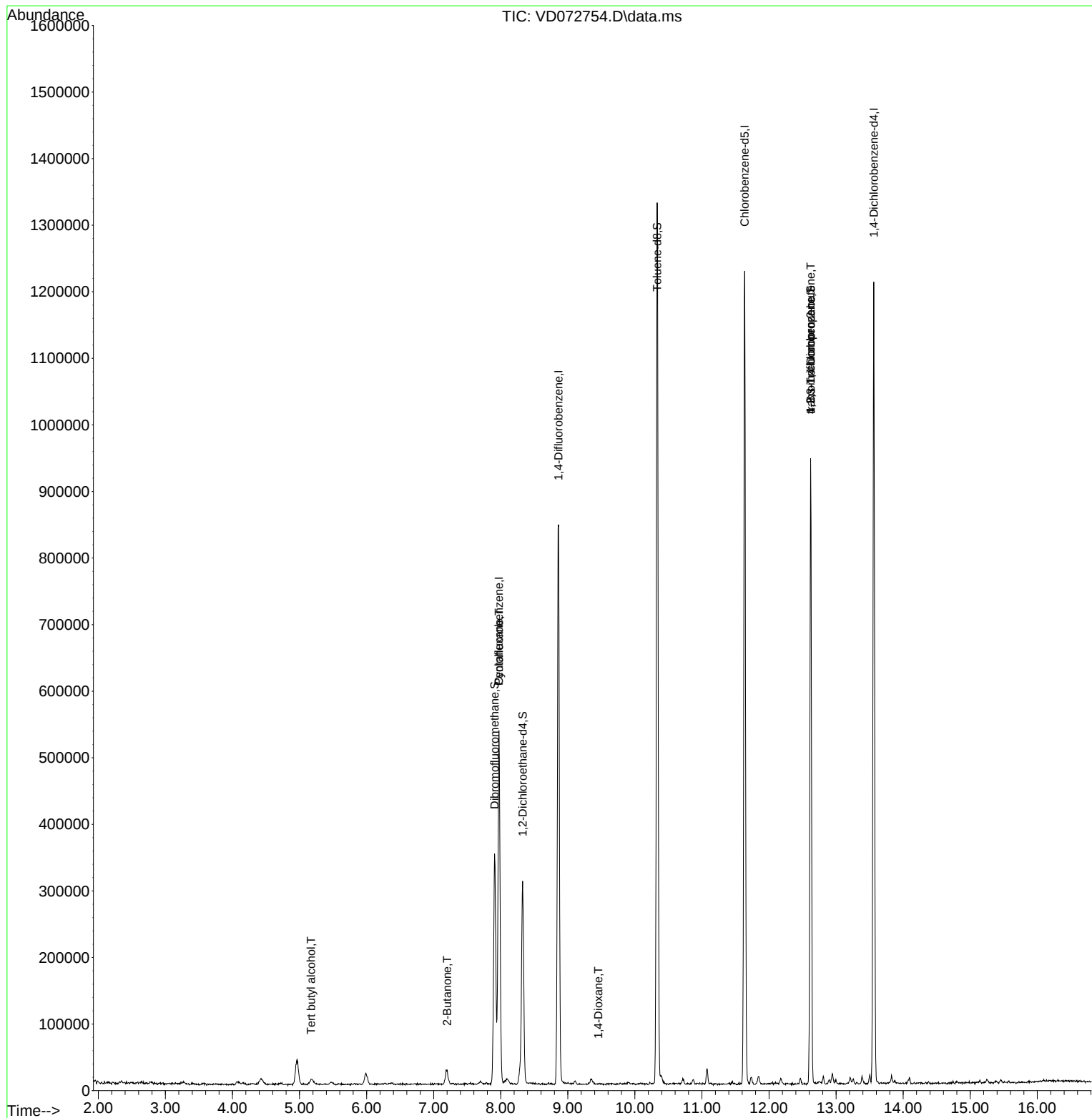
Internal Standards						
1) Pentafluorobenzene	7.973	168	362618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	715932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	698597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	311897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	233728	49.655	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.300%
35) Dibromofluoromethane	7.908	113	244175	48.562	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.120%
50) Toluene-d8	10.332	98	886885	49.173	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.340%
62) 4-Bromofluorobenzene	12.620	95	308778	45.914	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.820%
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	2137	Below Cal	#	69
11) Tert butyl alcohol	5.173	59	8054	19.776	ug/l #	74
16) Acetone	4.162	43	4365	Below Cal	#	72
18) Methyl Acetate	4.720	43	97	Below Cal	#	55
20) Methylene Chloride	4.956	84	27700	Below Cal		87
25) 2-Butanone	7.203	43	2036	1.485	ug/l	94
31) Cyclohexane	7.973	56	11347	1.379	ug/l #	6
49) 1,4-Dioxane	9.455	88	70	1.817	ug/l #	21
76) 1,2,3-Trichloropropane	12.620	75	157072	45.163	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	157072	103.858	ug/l #	7

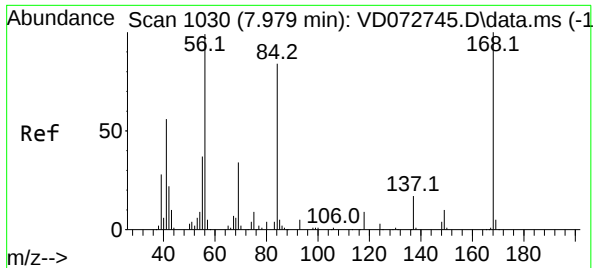
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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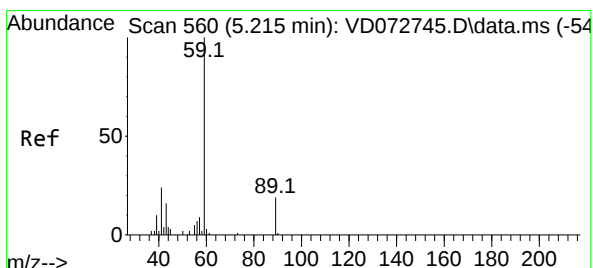
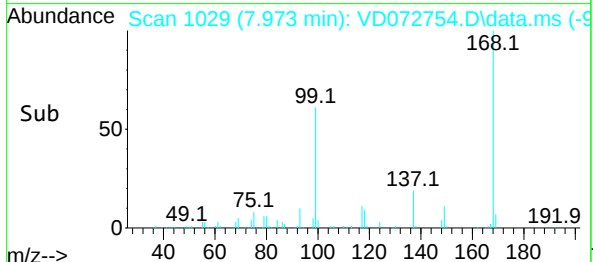
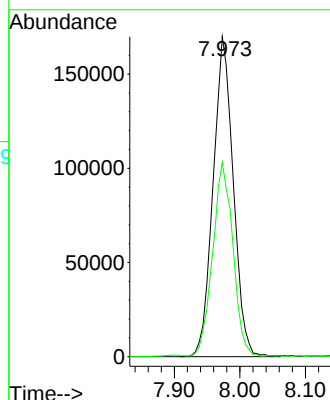
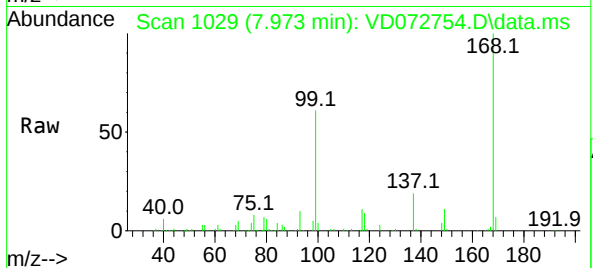




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072754.D
Acq: 02 May 2022 19:03

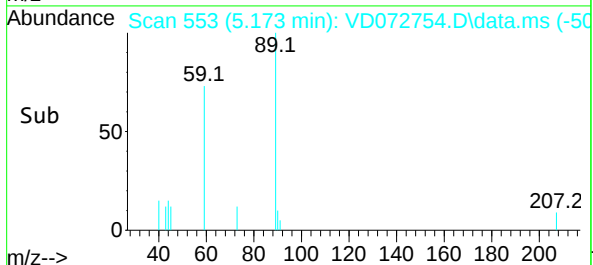
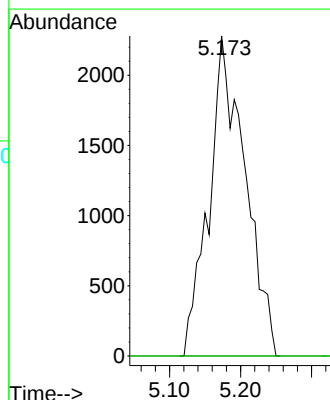
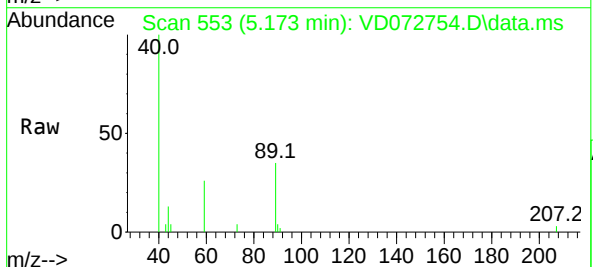
Instrument :
MSVOA_D
ClientSampleId :
WC-1

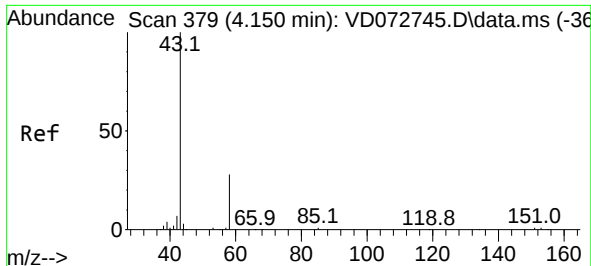
Tgt Ion:168 Resp: 362618
Ion Ratio Lower Upper
168 100
99 60.4 49.8 74.6



#11
Tert butyl alcohol
Concen: 19.776 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.042 min
Lab File: VD072754.D
Acq: 02 May 2022 19:03

Tgt Ion: 59 Resp: 8054
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

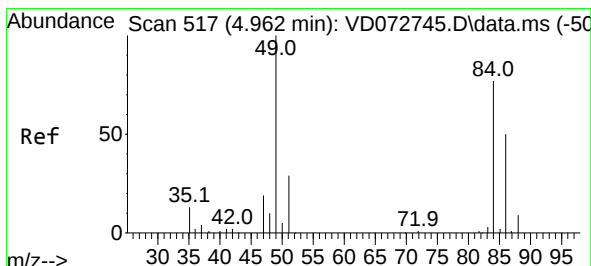
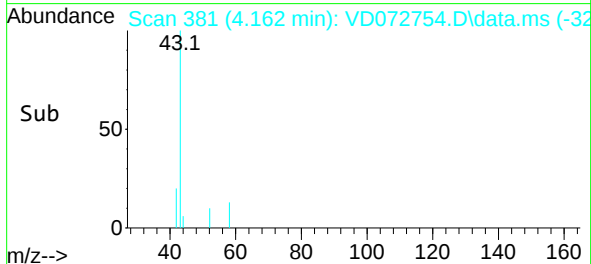
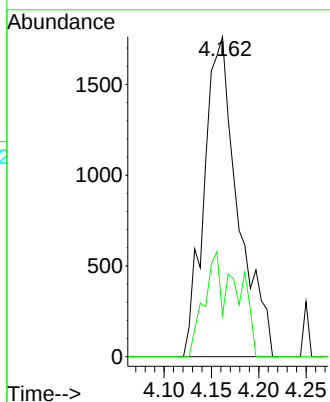
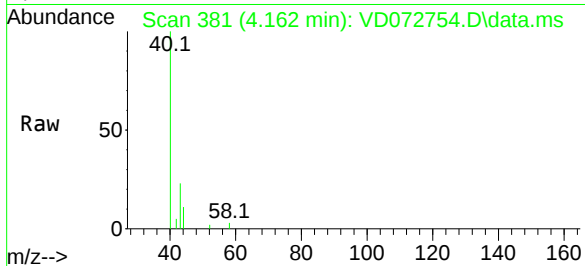




#16
Acetone
Concen: Below Cal
RT: 4.162 min Scan# 31
Delta R.T. 0.012 min
Lab File: VD072754.D
Acq: 02 May 2022 19:03

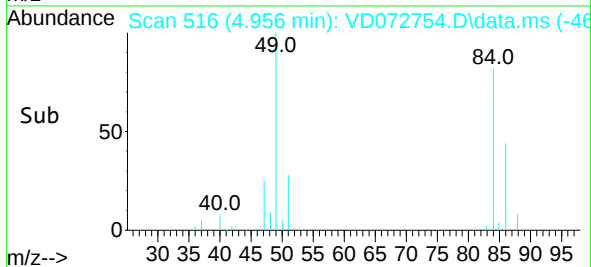
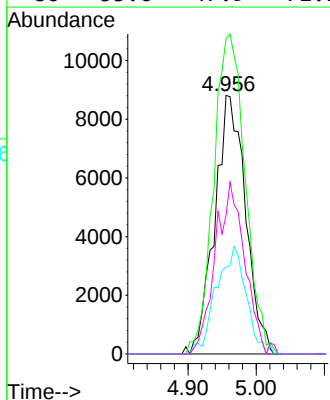
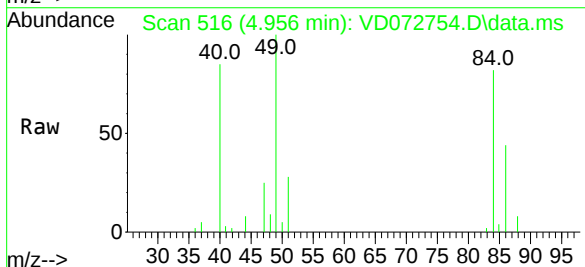
Instrument :
MSVOA_D
ClientSampleId :
WC-1

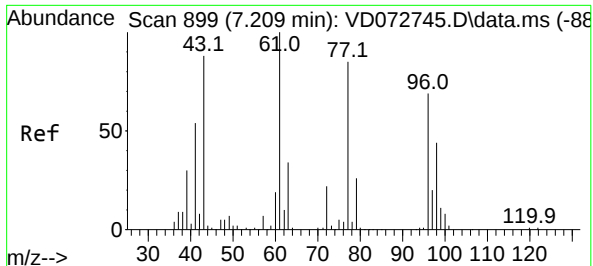
Tgt Ion: 43 Resp: 4365
Ion Ratio Lower Upper
43 100
58 12.9 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD072754.D
Acq: 02 May 2022 19:03

Tgt Ion: 84 Resp: 27700
Ion Ratio Lower Upper
84 100
49 121.9 112.8 169.2
51 33.5 32.6 48.8
86 53.6 47.9 71.9

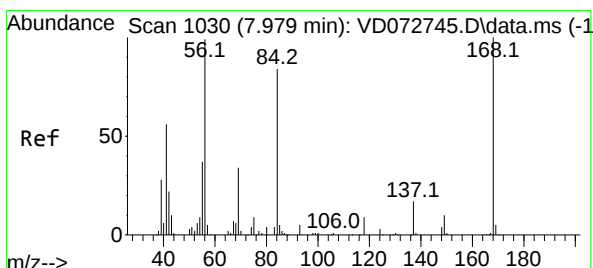
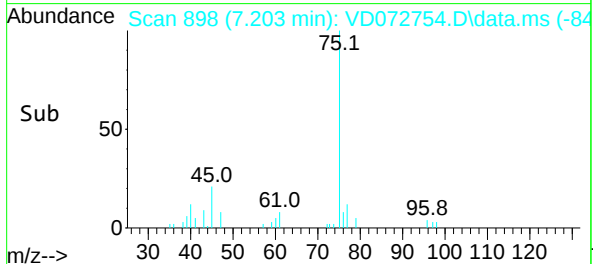
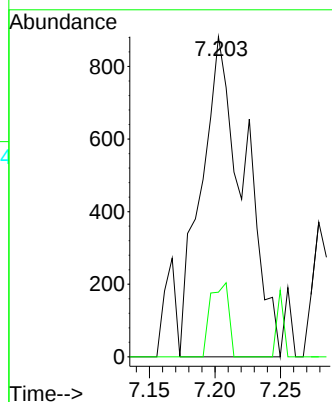
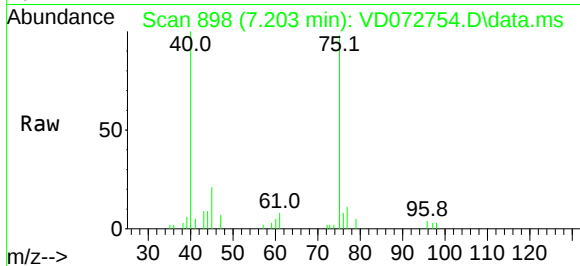




#25
2-Butanone
Concen: 1.485 ug/l
RT: 7.203 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD072754.D
Acq: 02 May 2022 19:03

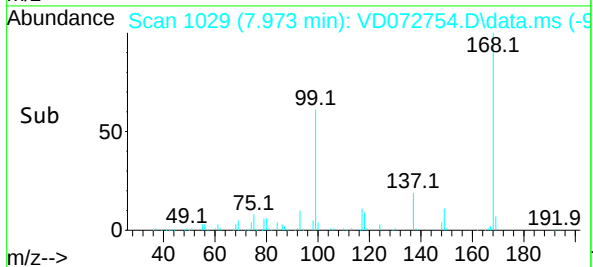
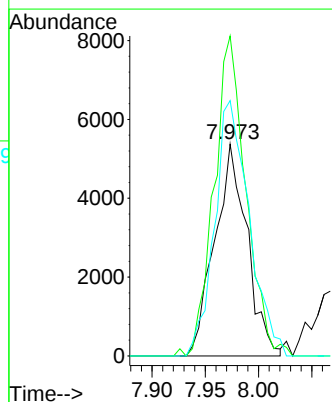
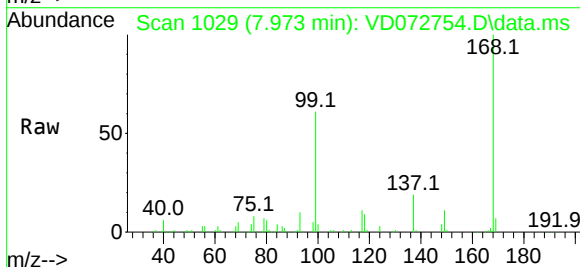
Instrument :
MSVOA_D
ClientSampleId :
WC-1

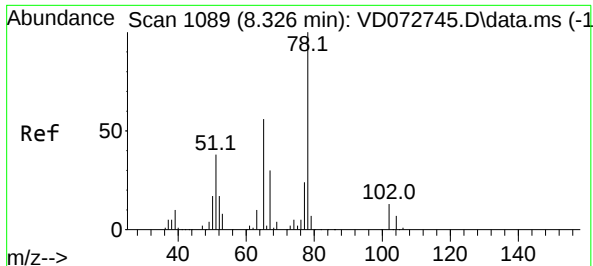
Tgt Ion: 43 Resp: 2036
Ion Ratio Lower Upper
43 100
72 20.2 18.6 27.8



#31
Cyclohexane
Concen: 1.379 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072754.D
Acq: 02 May 2022 19:03

Tgt Ion: 56 Resp: 11347
Ion Ratio Lower Upper
56 100
69 147.7 25.4 38.2#
84 120.6 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 49.655 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072754.D

Acq: 02 May 2022 19:03

Instrument :

MSVOA_D

ClientSampleId :

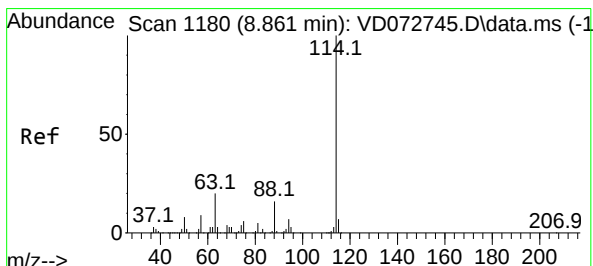
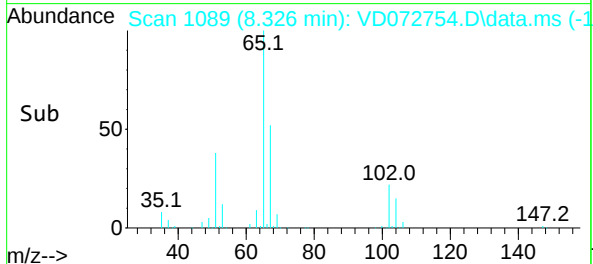
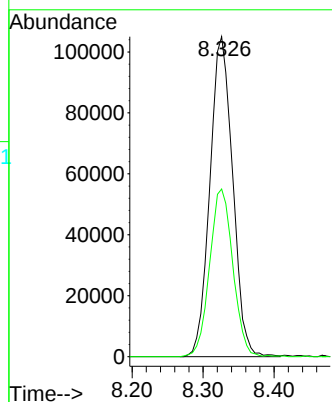
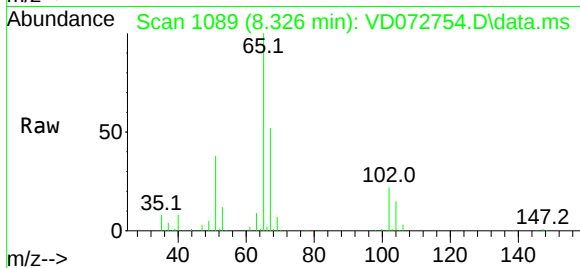
WC-1

Tgt Ion: 65 Resp: 233728

Ion Ratio Lower Upper

65 100

67 53.3 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072754.D

Acq: 02 May 2022 19:03

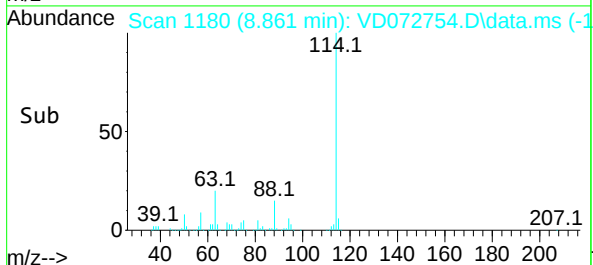
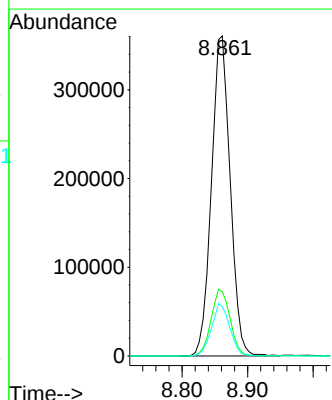
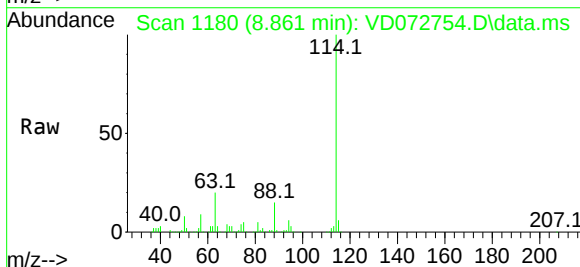
Tgt Ion: 114 Resp: 715932

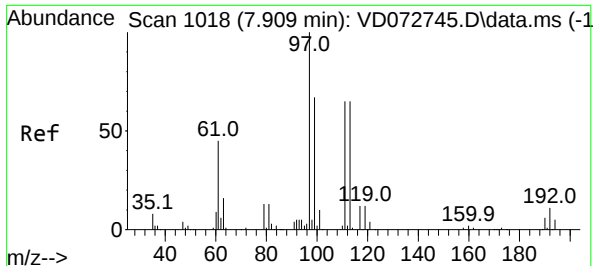
Ion Ratio Lower Upper

114 100

63 20.1 0.0 46.6

88 15.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.562 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072754.D

Acq: 02 May 2022 19:03

Instrument :

MSVOA_D

ClientSampleId :

WC-1

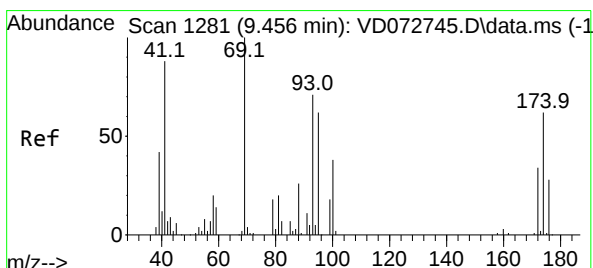
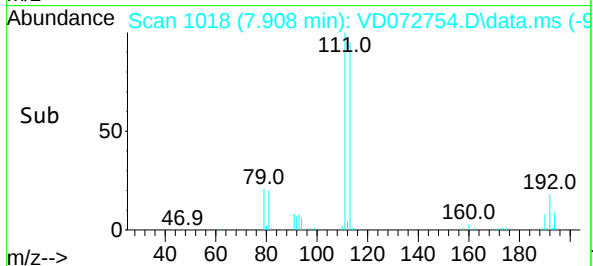
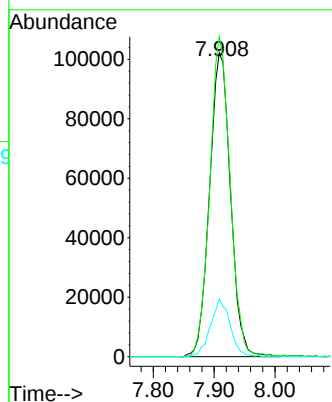
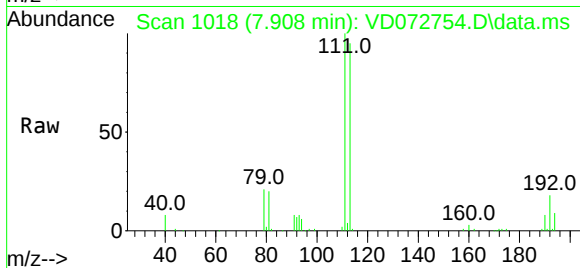
Tgt Ion:113 Resp: 244175

Ion Ratio Lower Upper

113 100

111 102.5 83.8 125.6

192 17.8 14.6 21.8



#49

1,4-Dioxane

Concen: 1.817 ug/l

RT: 9.455 min Scan# 1281

Delta R.T. -0.001 min

Lab File: VD072754.D

Acq: 02 May 2022 19:03

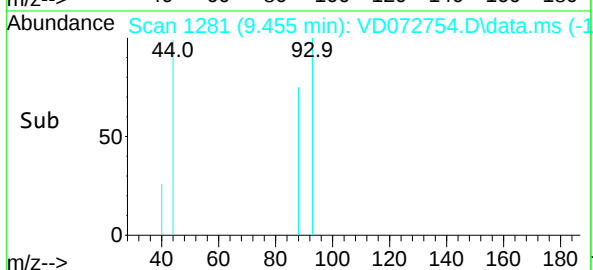
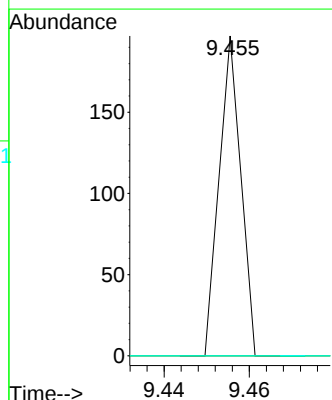
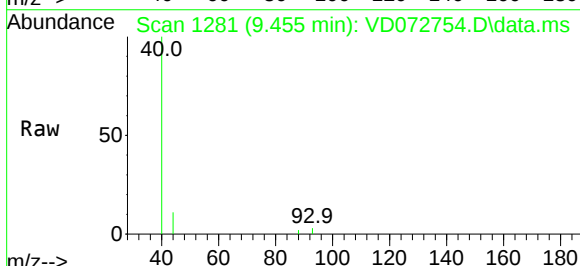
Tgt Ion: 88 Resp: 70

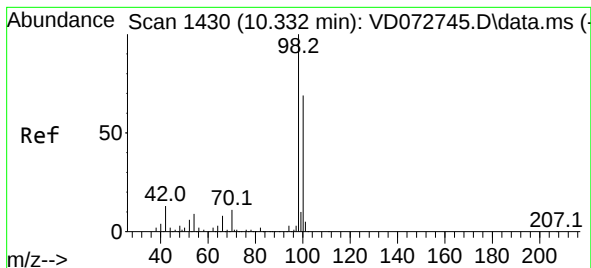
Ion Ratio Lower Upper

88 100

43 0.0 31.0 46.4#

58 0.0 58.1 87.1#

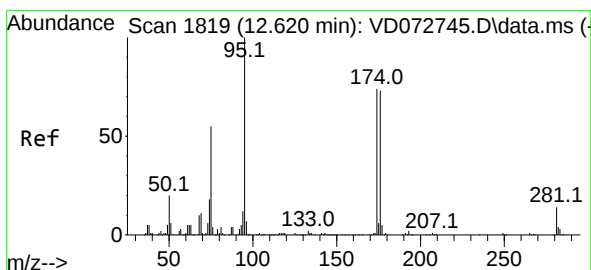
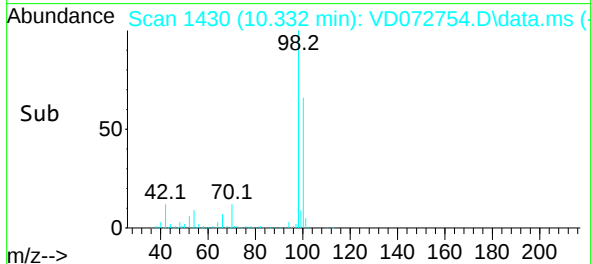
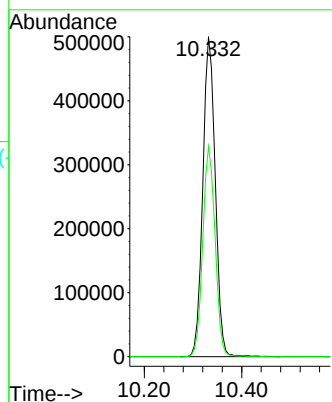
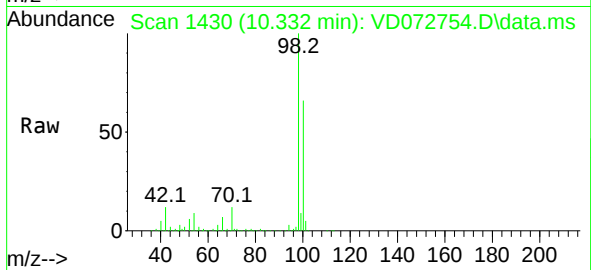




#50
Toluene-d8
Concen: 49.173 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072754.D
Acq: 02 May 2022 19:03

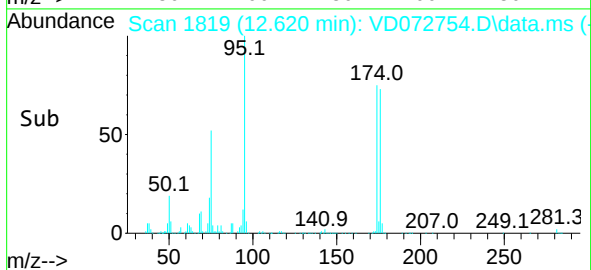
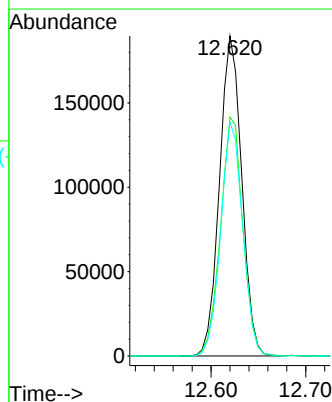
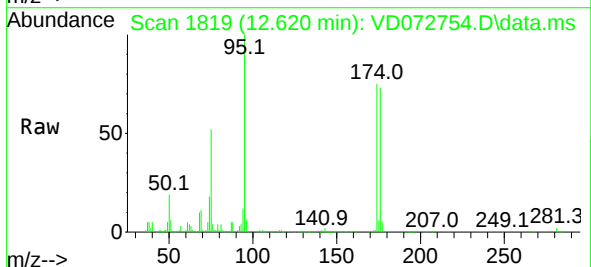
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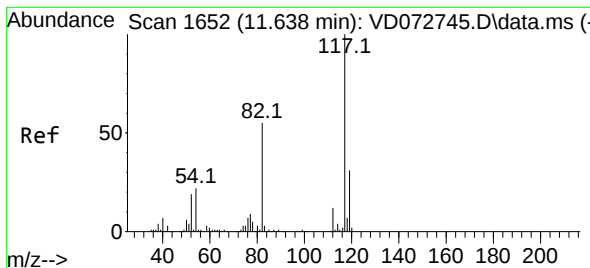
Tgt Ion: 98 Resp: 886885
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 45.914 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072754.D
Acq: 02 May 2022 19:03

Tgt Ion: 95 Resp: 308778
Ion Ratio Lower Upper
95 100
174 75.3 0.0 152.8
176 72.4 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD072754.D

Acq: 02 May 2022 19:03

Instrument :

MSVOA_D

ClientSampleId :

WC-1

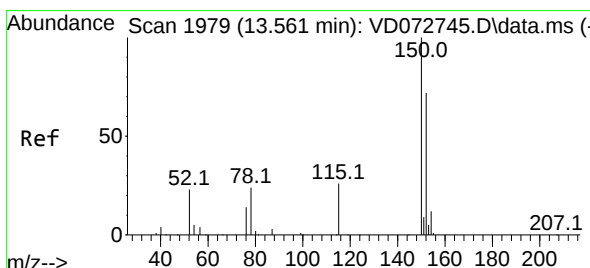
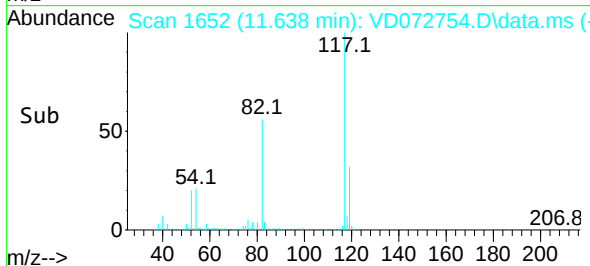
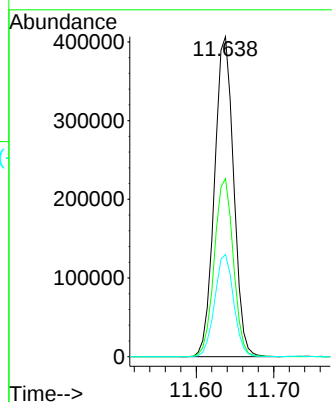
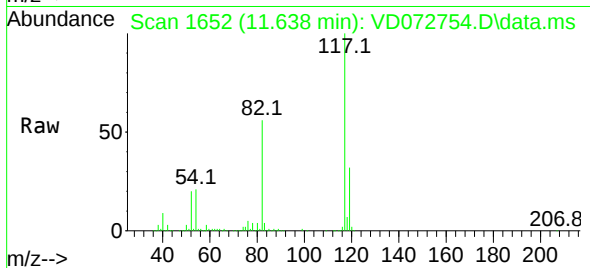
Tgt Ion:117 Resp: 698597

Ion Ratio Lower Upper

117 100

82 55.6 45.3 67.9

119 32.0 26.6 40.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD072754.D

Acq: 02 May 2022 19:03

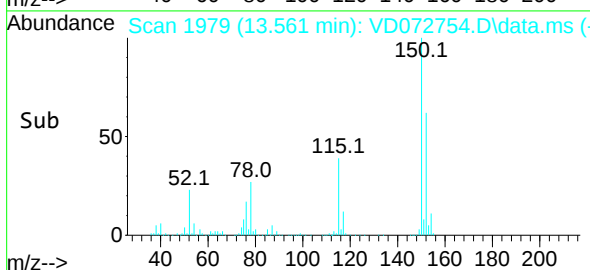
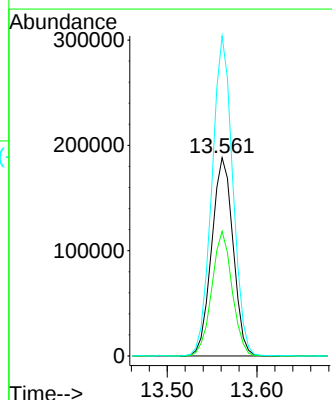
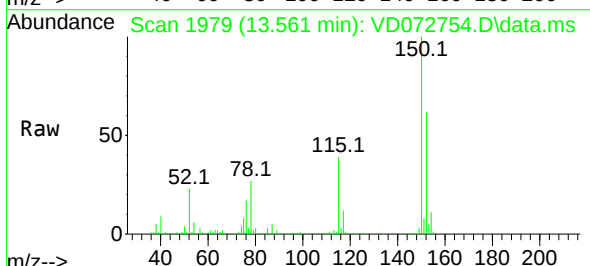
Tgt Ion:152 Resp: 311897

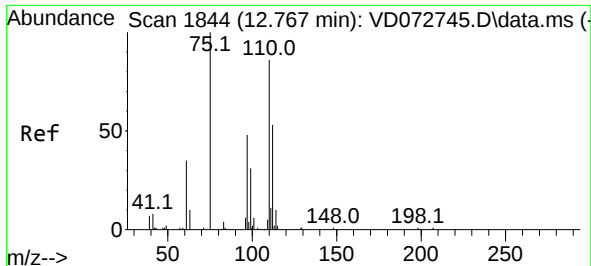
Ion Ratio Lower Upper

152 100

115 59.9 31.3 93.8

150 157.2 0.0 348.6

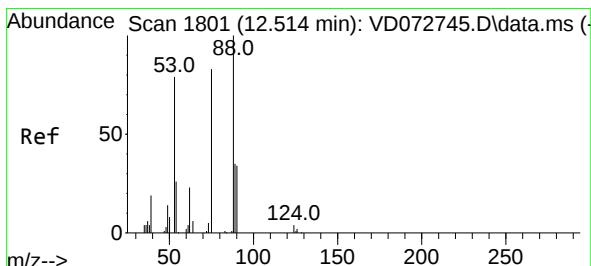
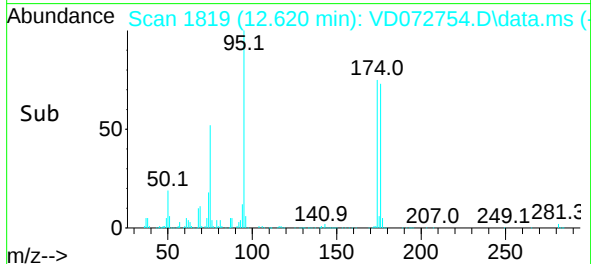
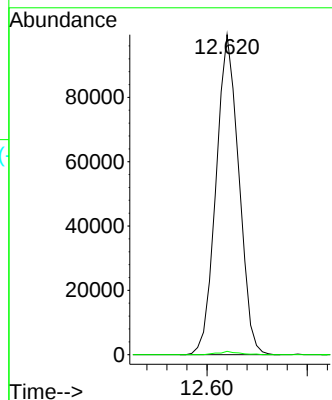
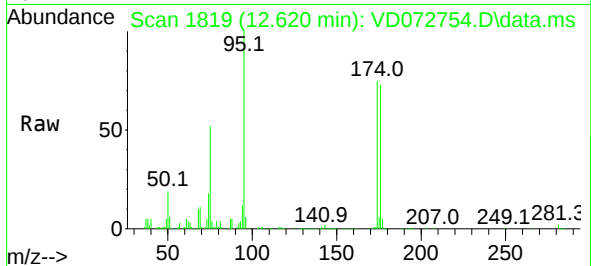




#76
1,2,3-Trichloropropane
Concen: 45.163 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072754.D
Acq: 02 May 2022 19:03

Instrument :
MSVOA_D
ClientSampleId :
WC-1

Tgt Ion: 75 Resp: 157072
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.858 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072754.D
Acq: 02 May 2022 19:03

Tgt Ion: 75 Resp: 157072
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.0 33.9 50.9#

