

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033123\
 Data File : VX034887.D
 Acq On : 31 Mar 2023 18:40
 Operator : JC/MD
 Sample : 02140-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-01

Quant Time: Apr 01 03:39:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X032823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 28 09:11:00 2023
 Response via : Initial Calibration

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

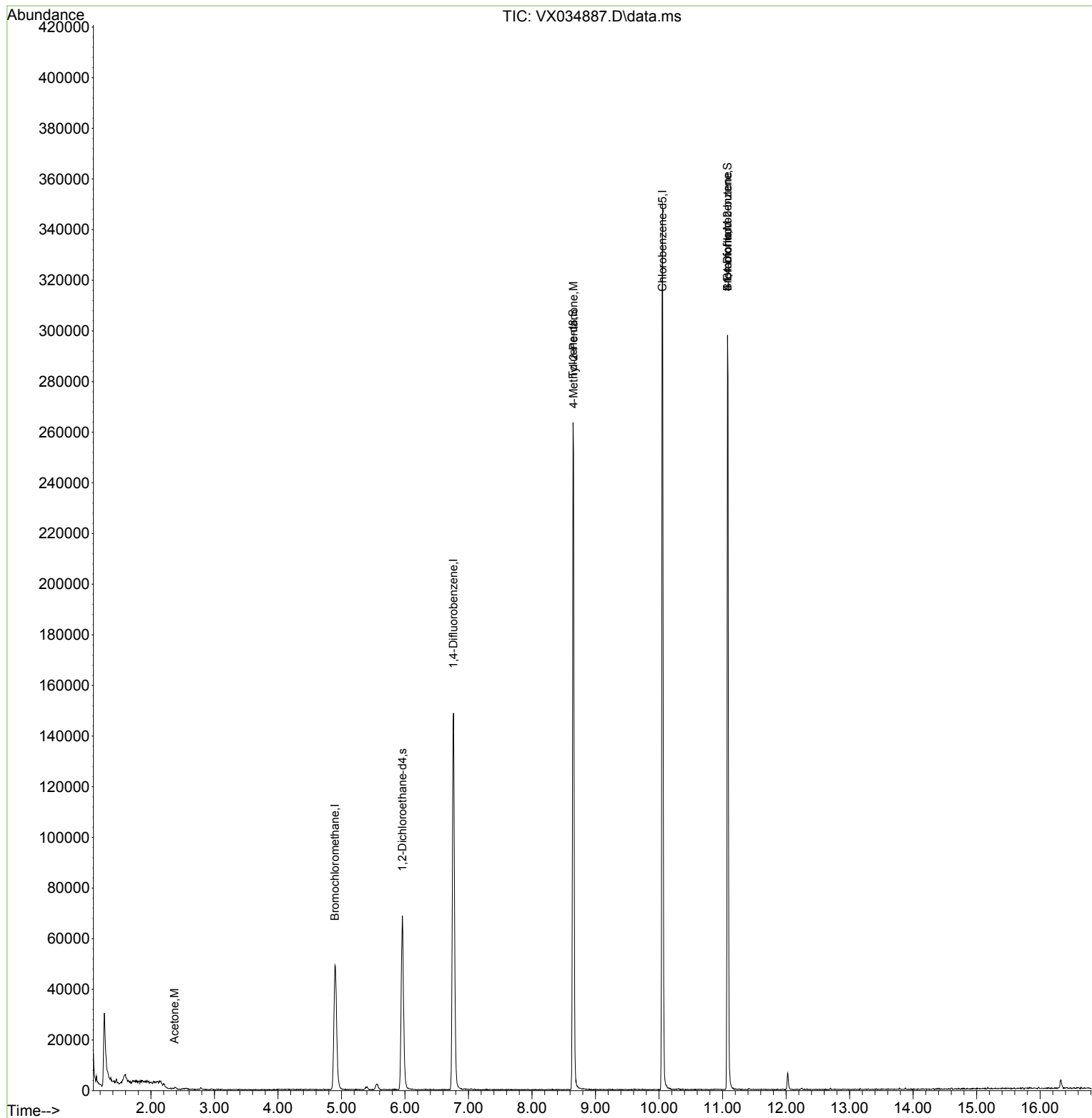
Internal Standards						
1) Bromochloromethane	4.898	128	19624	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	146141	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	151942	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	63589	33.724	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	112.400%#
60) 4-Bromofluorobenzene	11.079	95	78348	25.806	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.033%
63) Toluene-d8	8.647	98	153450	29.718	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.067%
Target Compounds						
					Qvalue	
15) Acetone	2.367	58	214	0.664	ug/l #	1
56) Bromoform	11.079	173	647	0.390	ug/l #	1
58) 4-Methyl-2-Pentanone	8.653	43	784	0.225	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	44105	44.540	ug/l #	4

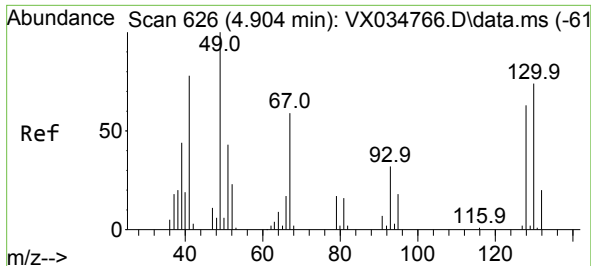
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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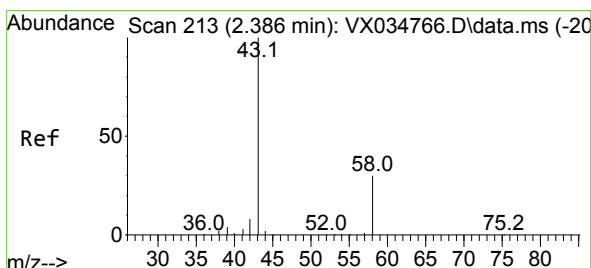
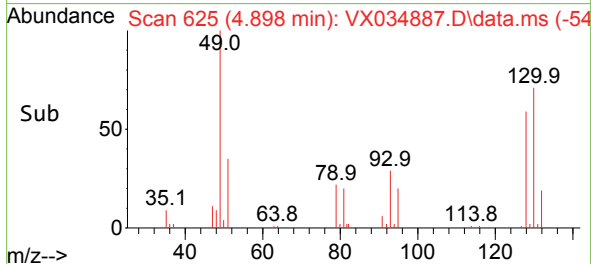
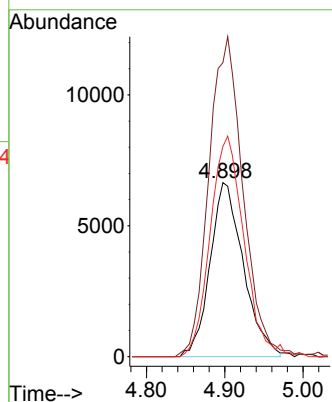
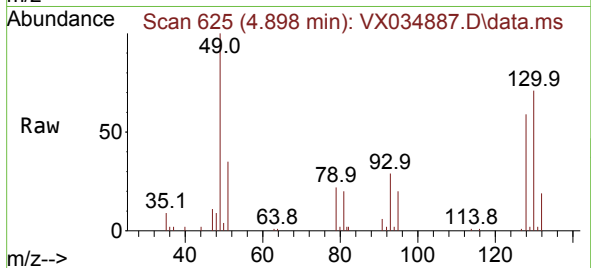




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX034887.D
Acq: 31 Mar 2023 18:40

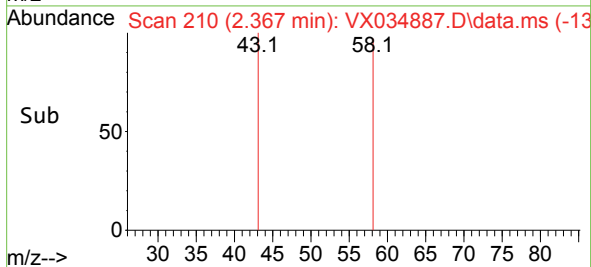
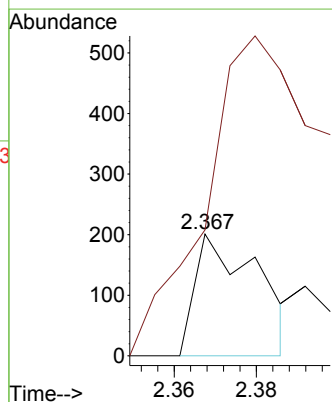
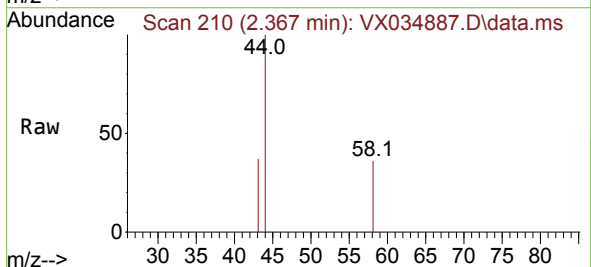
Instrument :
MSVOA_X
ClientSampleId :
MW-01

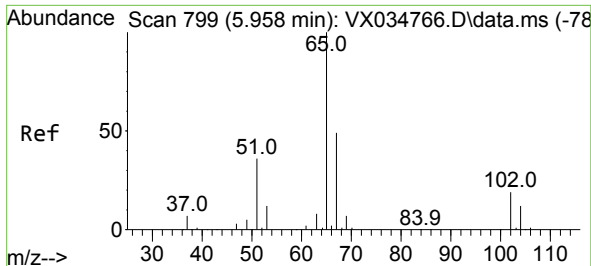
Tgt Ion:128 Resp: 19624
Ion Ratio Lower Upper
128 100
49 187.9 0.0 428.8
130 127.4 0.0 310.8



#15
Acetone
Concen: 0.664 ug/l
RT: 2.367 min Scan# 210
Delta R.T. -0.019 min
Lab File: VX034887.D
Acq: 31 Mar 2023 18:40

Tgt Ion: 58 Resp: 214
Ion Ratio Lower Upper
58 100
43 29.9 270.8 406.2#





#27

1,2-Dichloroethane-d4

Concen: 33.724 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX034887.D

Acq: 31 Mar 2023 18:40

Instrument :

MSVOA_X

ClientSampleId :

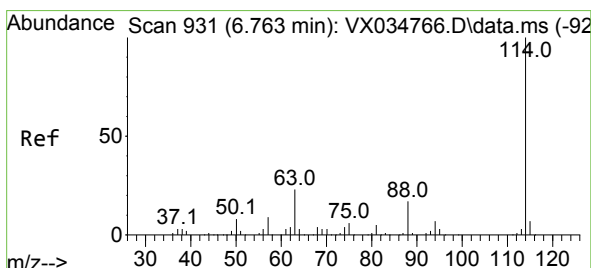
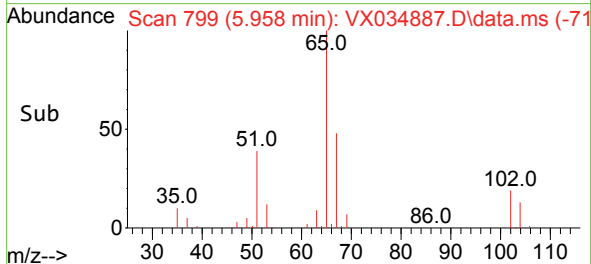
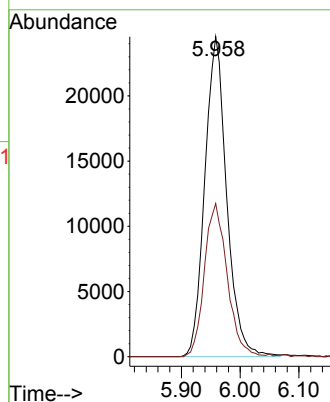
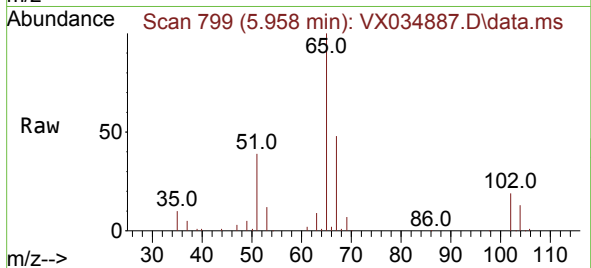
MW-01

Tgt Ion: 65 Resp: 63589

Ion Ratio Lower Upper

65 100

67 49.8 40.9 61.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX034887.D

Acq: 31 Mar 2023 18:40

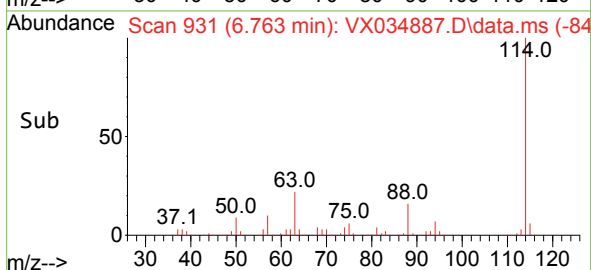
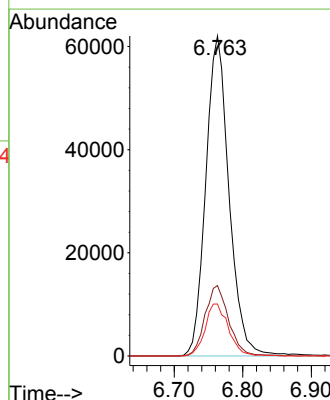
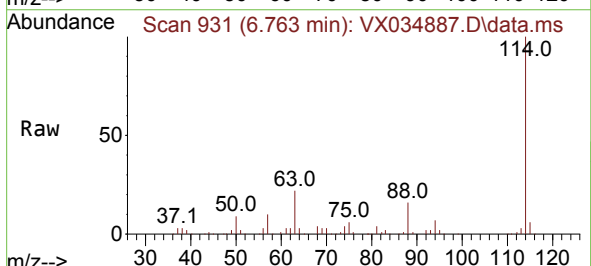
Tgt Ion: 114 Resp: 146141

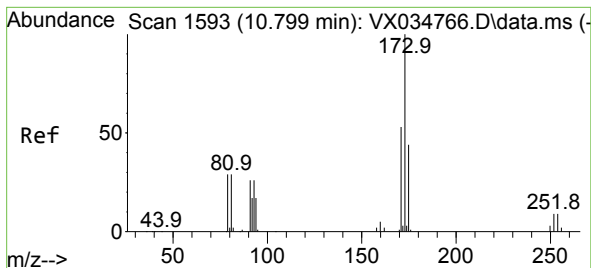
Ion Ratio Lower Upper

114 100

63 22.4 18.0 27.0

88 16.2 13.3 19.9





#56

Bromoform

Concen: 0.390 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.280 min

Lab File: VX034887.D

Acq: 31 Mar 2023 18:40

Instrument :

MSVOA_X

ClientSampleId :

MW-01

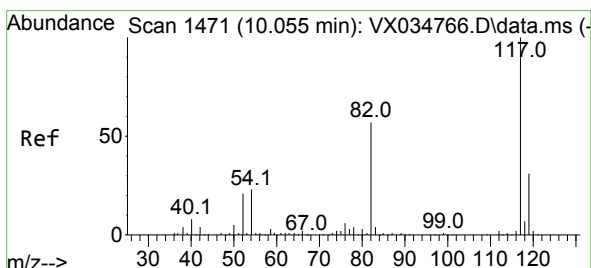
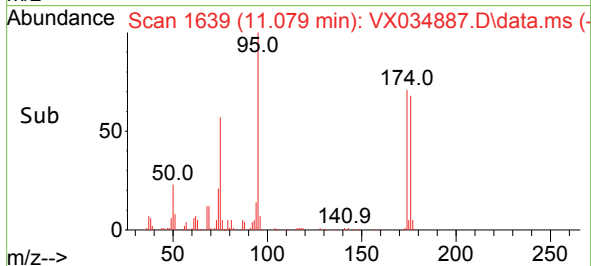
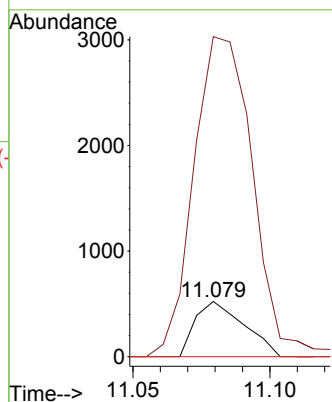
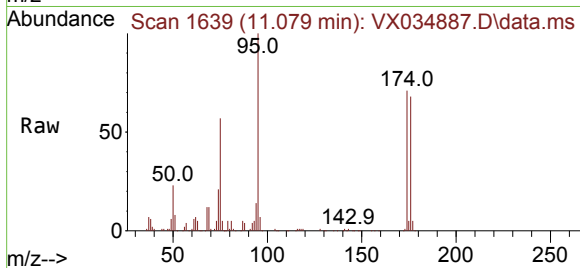
Tgt Ion:173 Resp: 647

Ion Ratio Lower Upper

173 100

175 694.9 37.0 55.4#

254 0.0 6.7 10.1#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX034887.D

Acq: 31 Mar 2023 18:40

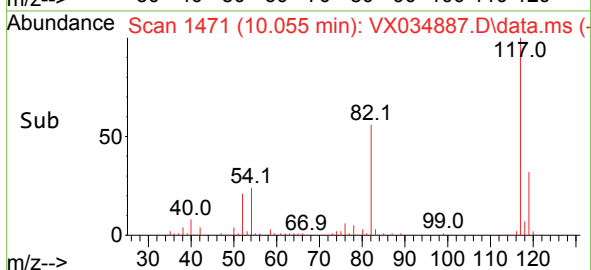
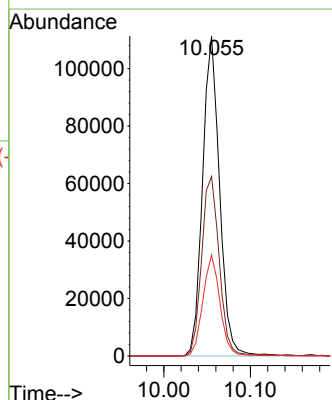
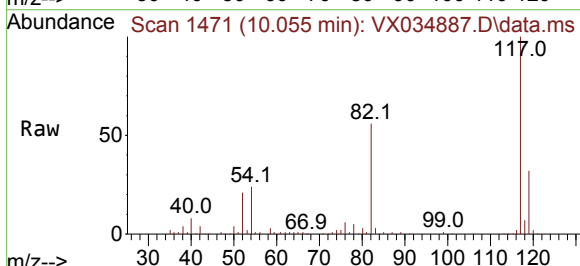
Tgt Ion:117 Resp: 151942

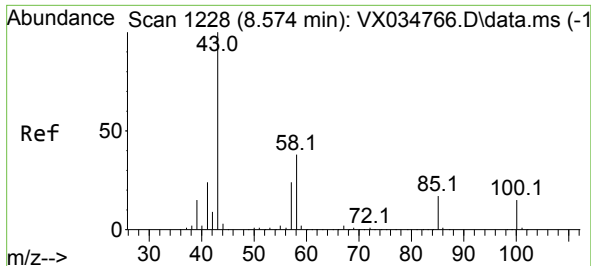
Ion Ratio Lower Upper

117 100

82 57.7 45.8 68.8

119 31.7 25.4 38.0





#58

4-Methyl-2-Pentanone

Concen: 0.225 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX034887.D

Acq: 31 Mar 2023 18:40

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MW-01

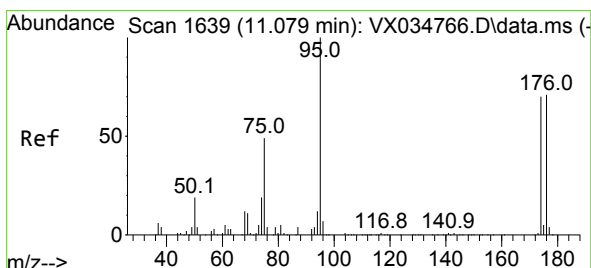
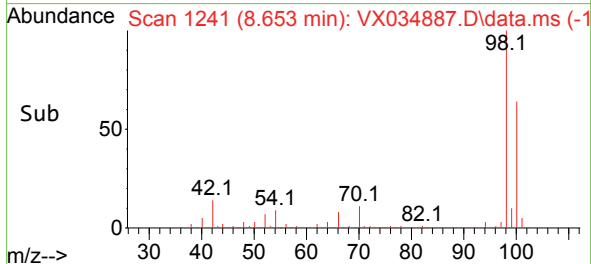
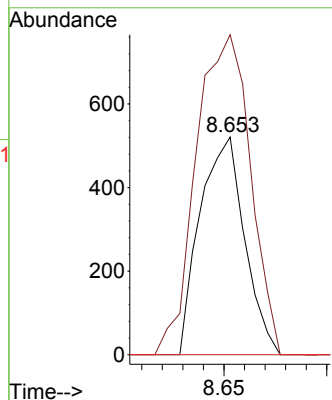
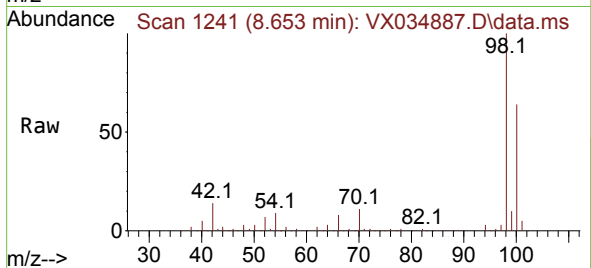
Tgt Ion: 43 Resp: 784

Ion Ratio Lower Upper

43 100

58 179.2 29.9 44.9#

85 0.0 13.2 19.8#



#60

4-Bromofluorobenzene

Concen: 25.806 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX034887.D

Acq: 31 Mar 2023 18:40

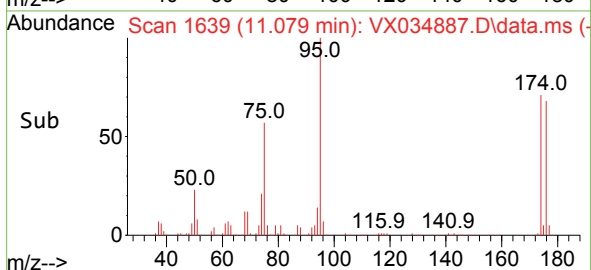
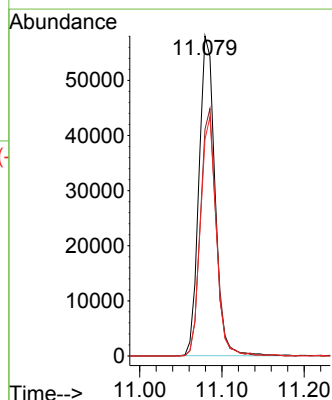
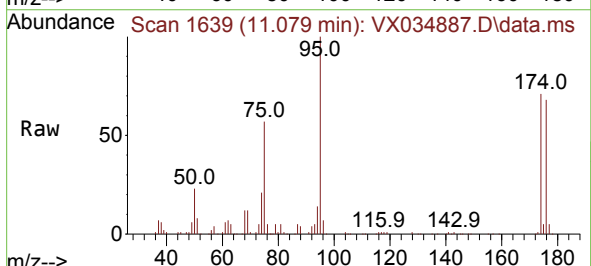
Tgt Ion: 95 Resp: 78348

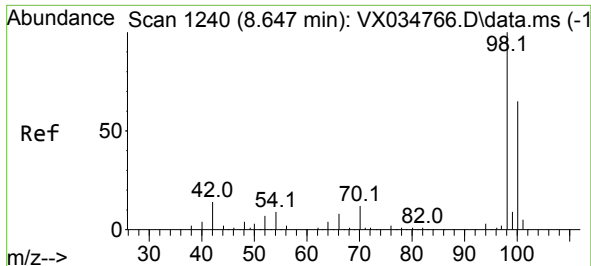
Ion Ratio Lower Upper

95 100

174 76.4 0.2 0.4#

176 73.5 0.2 0.2#

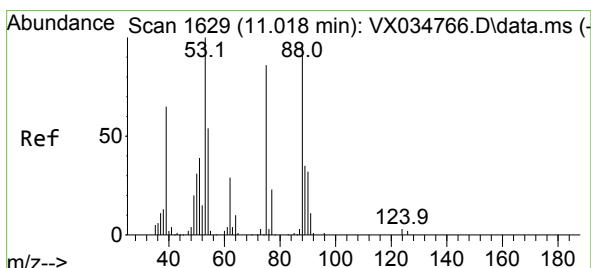
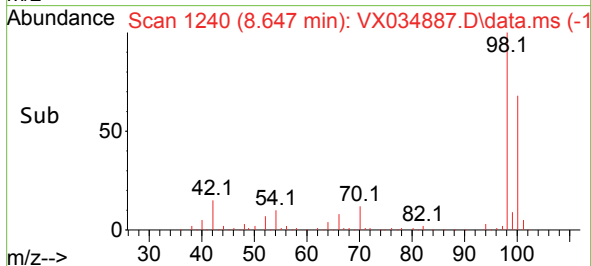
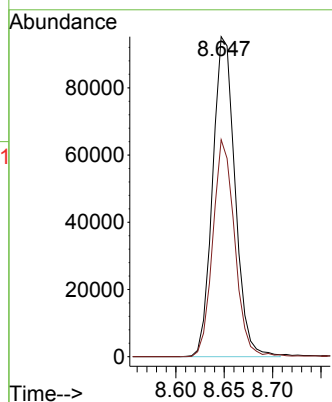
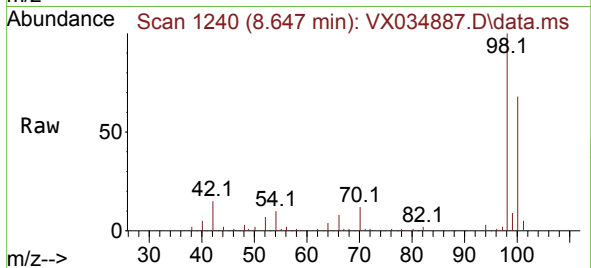




#63
Toluene-d8
Concen: 29.718 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034887.D
Acq: 31 Mar 2023 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW-01

Tgt Ion: 98 Resp: 153450
Ion Ratio Lower Upper
98 100
100 66.0 52.1 78.1



#77
t-1,4-Dichloro-2-butene
Concen: 44.540 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034887.D
Acq: 31 Mar 2023 18:40

Tgt Ion: 75 Resp: 44105
Ion Ratio Lower Upper
75 100
53 0.0 58.2 174.6#
89 0.0 20.6 61.8#

