

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021822\
 Data File : VX027103.D
 Acq On : 18 Feb 2022 12:26
 Operator : JC/MD
 Sample : VX0218WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0218WBL01

Quant Time: Feb 21 00:19:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X021822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 18 05:14:00 2022
 Response via : Initial Calibration

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

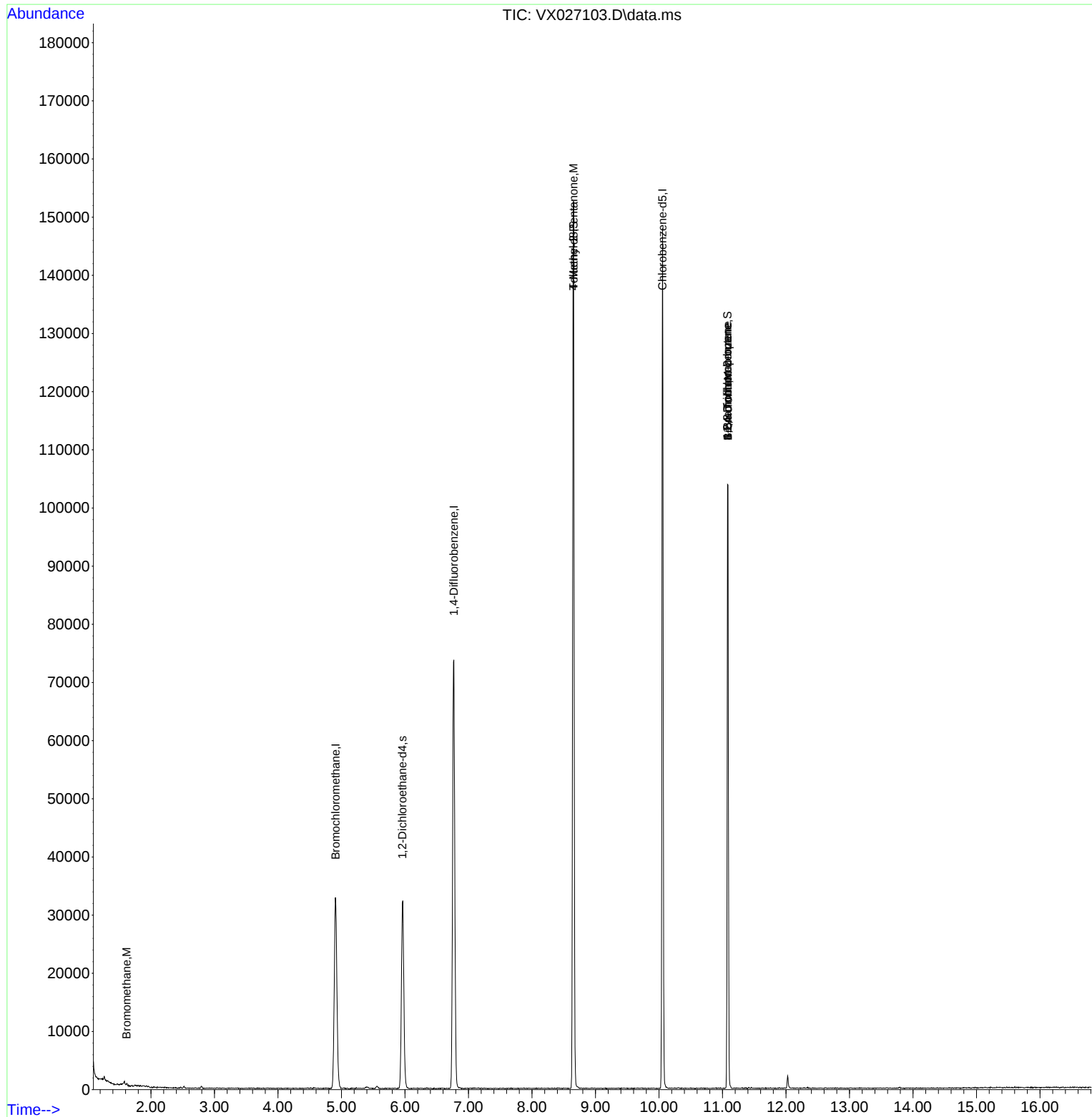
Internal Standards						
1) Bromochloromethane	4.910	128	14226	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	78072	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	66275	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	31215	30.346	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 101.167%	
60) 4-Bromofluorobenzene	11.079	95	29825	27.674	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 92.233%	
63) Toluene-d8	8.653	98	89760	30.208	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.700%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	141	0.373	ug/l #	64
56) Bromoform	11.085	173	241	0.369	ug/l #	1
58) 4-Methyl-2-Pentanone	8.653	43	419	0.307	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	14670	12.285	ug/l	39
77) t-1,4-Dichloro-2-butene	11.079	75	14670	42.349	ug/l #	2

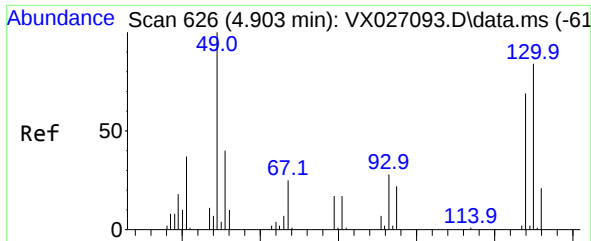
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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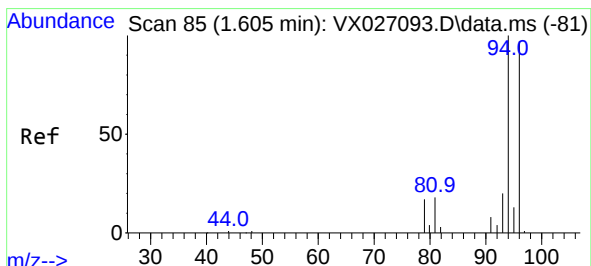
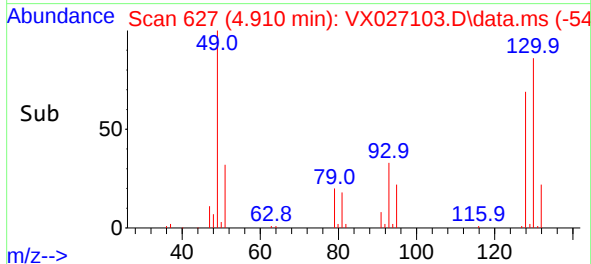
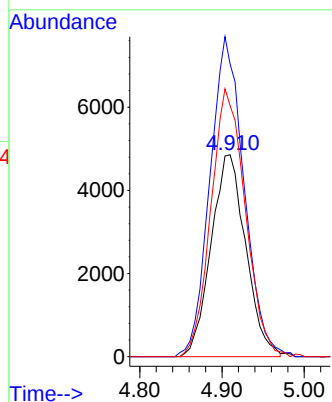
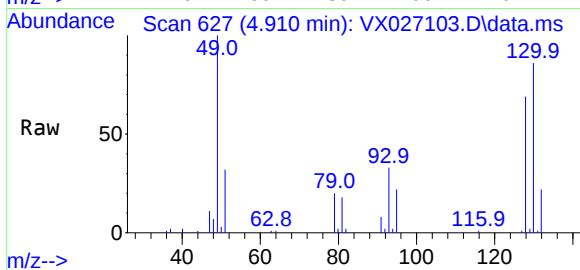




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.910 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX027103.D
Acq: 18 Feb 2022 12:26

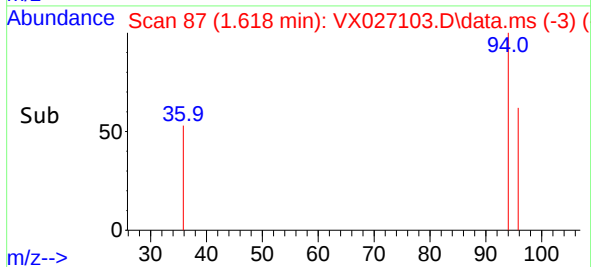
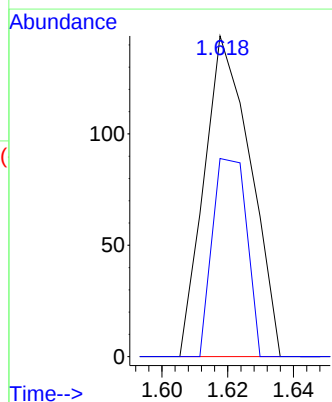
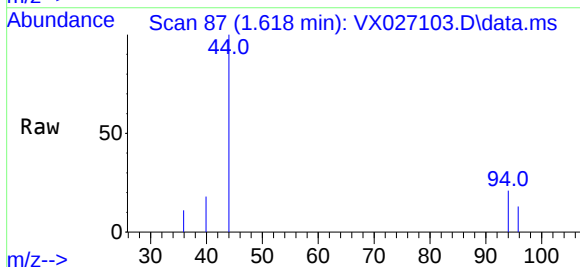
Instrument :
MSVOA_X
ClientSampleId :
VX0218WBL01

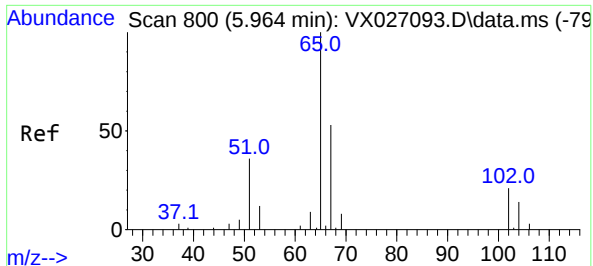
Tgt Ion:128 Resp: 14226
Ion Ratio Lower Upper
128 100
49 155.7 0.0 387.0
130 131.6 0.0 323.0



#5
Bromomethane
Concen: 0.373 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.012 min
Lab File: VX027103.D
Acq: 18 Feb 2022 12:26

Tgt Ion: 94 Resp: 141
Ion Ratio Lower Upper
94 100
96 61.8 77.9 116.9#

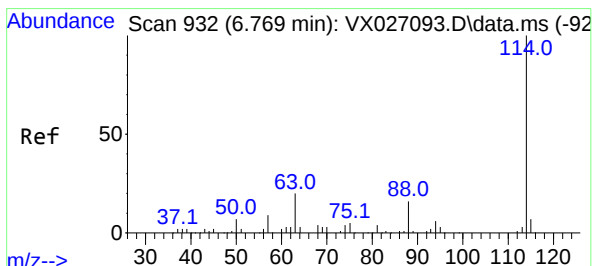
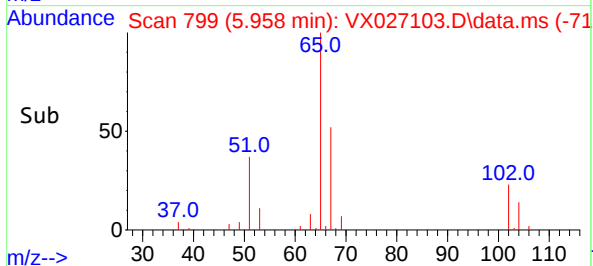
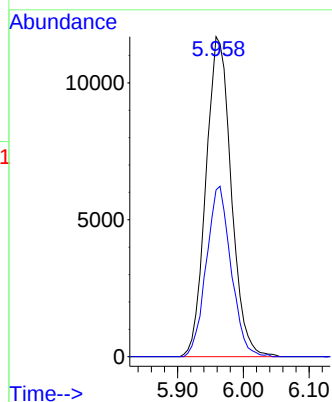
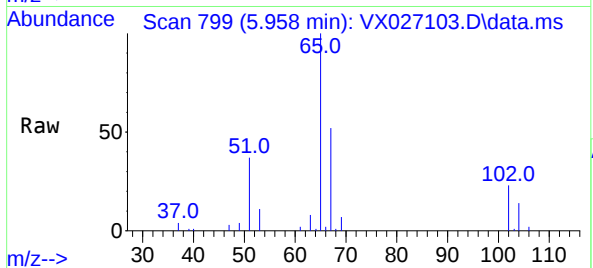




#27
1,2-Dichloroethane-d4
Concen: 30.346 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX027103.D
Acq: 18 Feb 2022 12:26

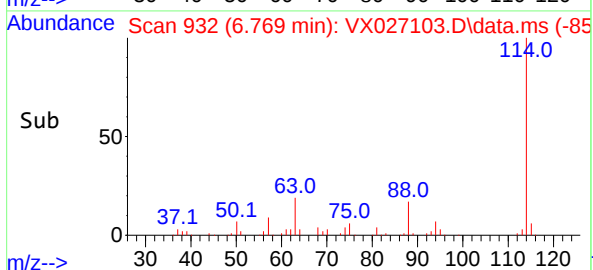
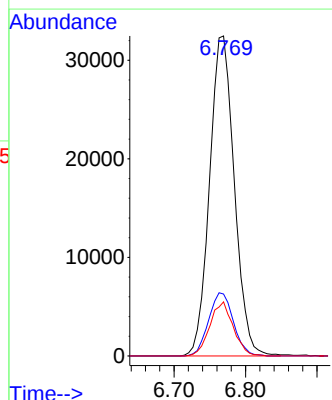
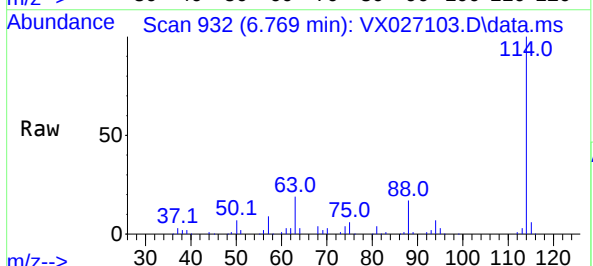
Instrument :
MSVOA_X
ClientSampleId :
VX0218WBL01

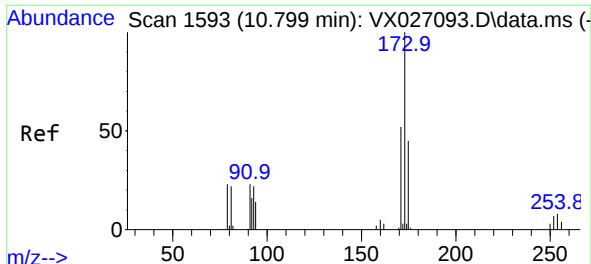
Tgt Ion: 65 Resp: 31215
Ion Ratio Lower Upper
65 100
67 52.0 41.4 62.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX027103.D
Acq: 18 Feb 2022 12:26

Tgt Ion:114 Resp: 78072
Ion Ratio Lower Upper
114 100
63 19.8 16.2 24.2
88 16.0 12.7 19.1

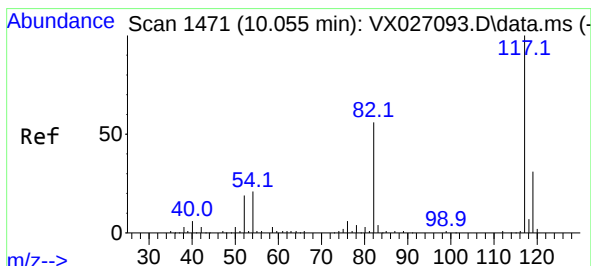
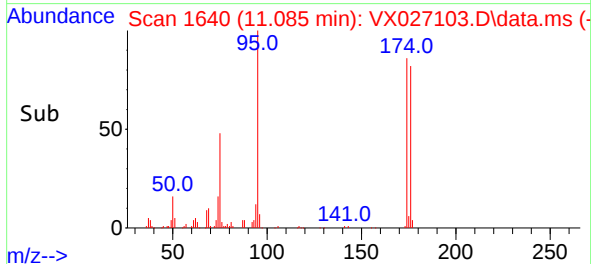
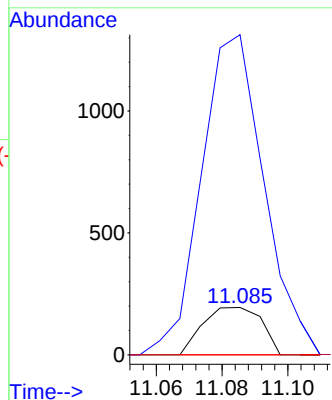
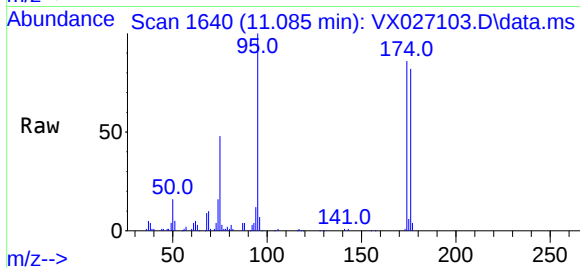




#56
Bromoform
Concen: 0.369 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.287 min
Lab File: VX027103.D
Acq: 18 Feb 2022 12:26

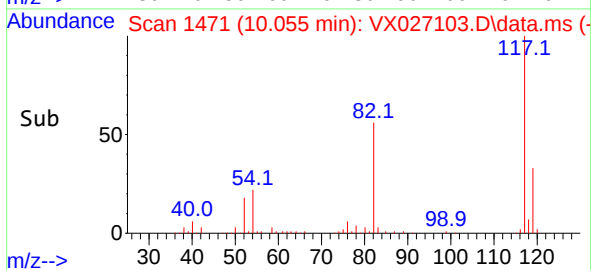
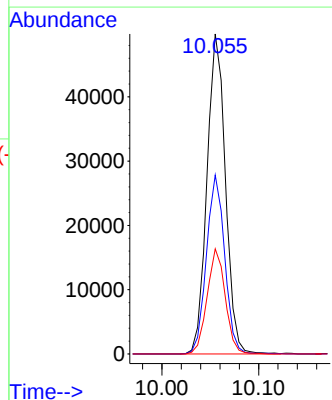
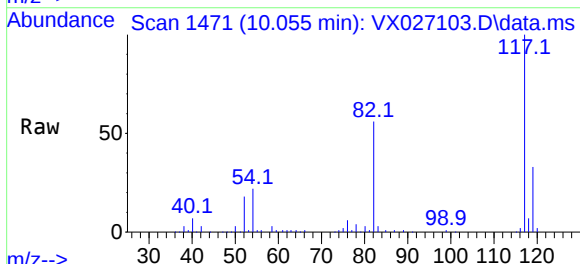
Instrument :
MSVOA_X
ClientSampleId :
VX0218WBL01

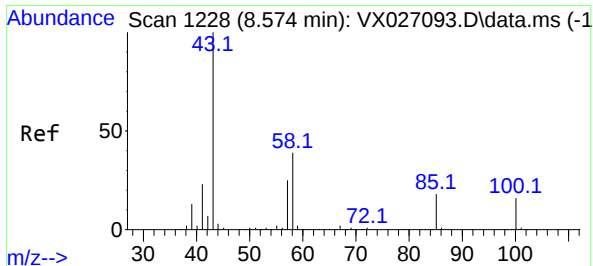
Tgt Ion:173 Resp: 241
Ion Ratio Lower Upper
173 100
175 720.7 38.5 57.7#
254 0.0 7.0 10.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027103.D
Acq: 18 Feb 2022 12:26

Tgt Ion:117 Resp: 66275
Ion Ratio Lower Upper
117 100
82 55.4 44.1 66.1
119 32.3 25.4 38.0





#58

4-Methyl-2-Pentanone

Concen: 0.307 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.079 min

Lab File: VX027103.D

Acq: 18 Feb 2022 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0218WBL01

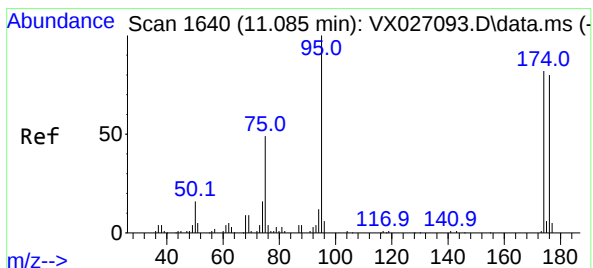
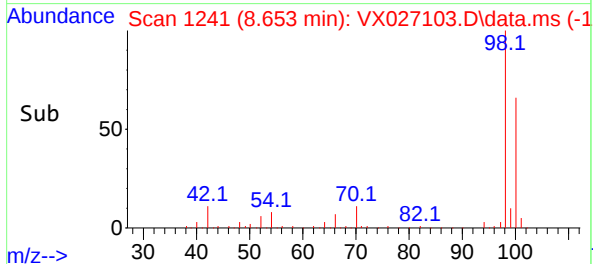
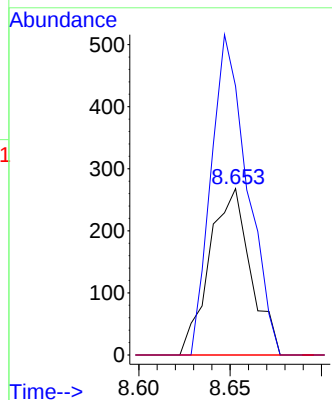
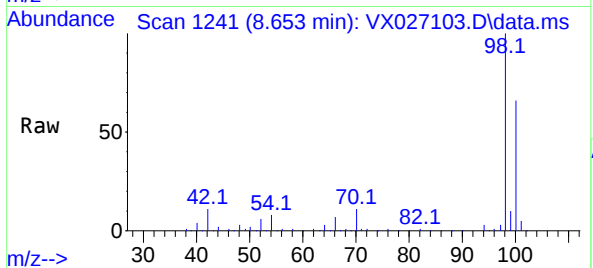
Tgt Ion: 43 Resp: 419

Ion Ratio Lower Upper

43 100

58 170.6 31.2 46.8#

85 0.0 14.8 22.2#



#60

4-Bromofluorobenzene

Concen: 27.674 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX027103.D

Acq: 18 Feb 2022 12:26

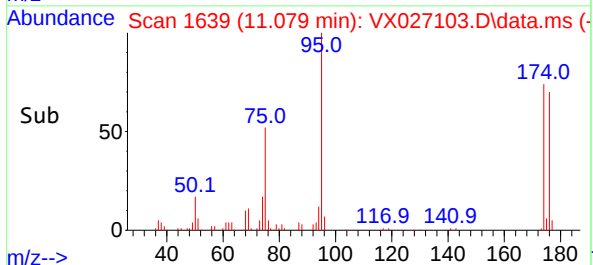
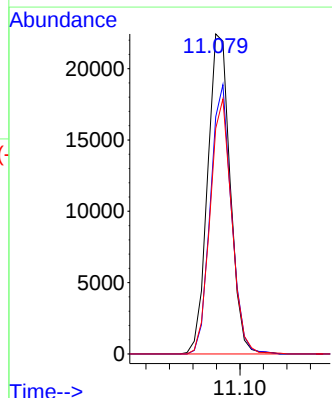
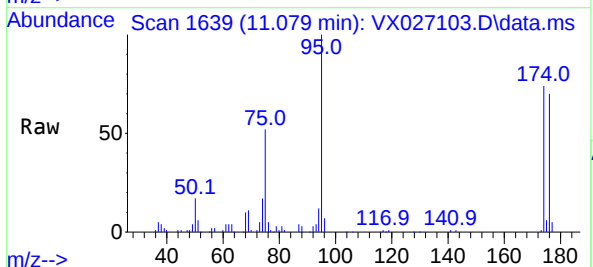
Tgt Ion: 95 Resp: 29825

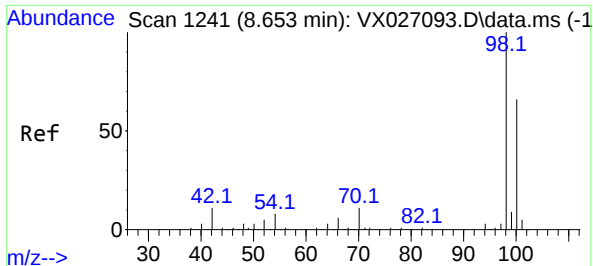
Ion Ratio Lower Upper

95 100

174 78.7 61.8 92.8

176 76.1 59.4 89.2

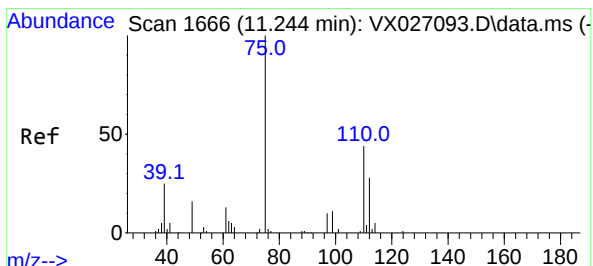
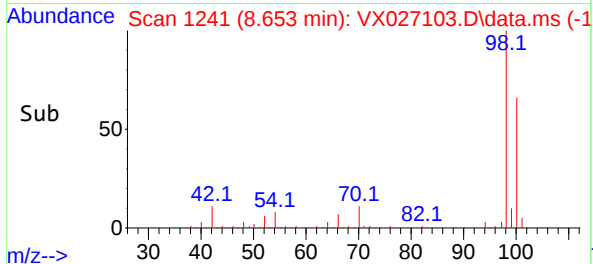
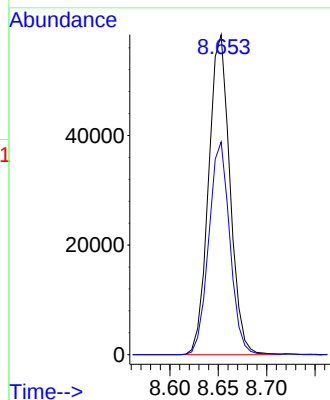
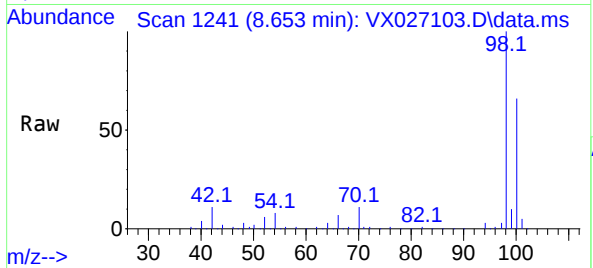




#63
Toluene-d8
Concen: 30.208 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027103.D
Acq: 18 Feb 2022 12:26

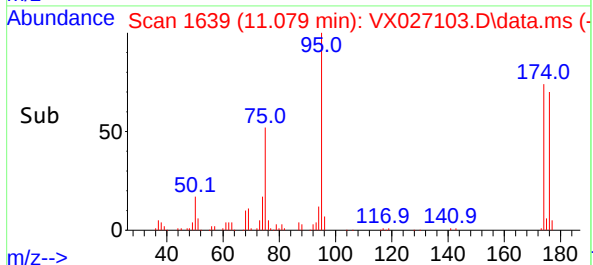
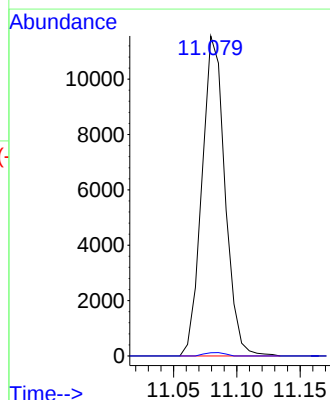
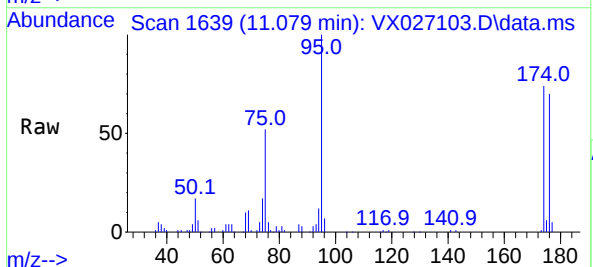
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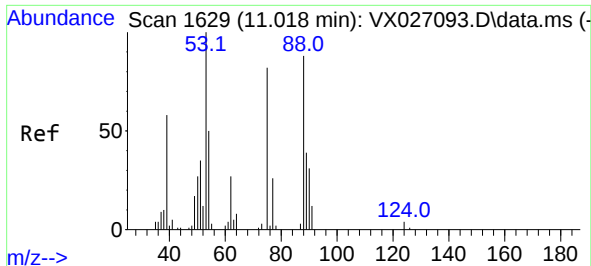
Tgt Ion: 98 Resp: 89760
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8



#72
1,2,3-Trichloropropane
Concen: 12.285 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX027103.D
Acq: 18 Feb 2022 12:26

Tgt Ion: 75 Resp: 14670
Ion Ratio Lower Upper
75 100
77 0.9 0.0 74.0





#77

t-1,4-Dichloro-2-butene

Concen: 42.349 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX027103.D

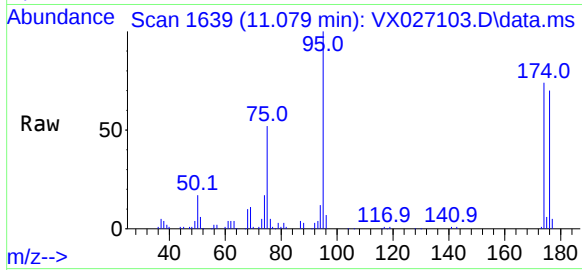
Acq: 18 Feb 2022 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0218WBL01



Tgt Ion: 75 Resp: 14670

Ion Ratio Lower Upper

75 100

53 0.0 60.8 182.3#

89 0.0 23.8 71.2#

