

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021022\
 Data File : VX026913.D
 Acq On : 10 Feb 2022 12:04
 Operator : JC/MD
 Sample : VX0210WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0210WBL01

Quant Time: Feb 11 03:39:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 10 12:50:55 2022
 Response via : Initial Calibration

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

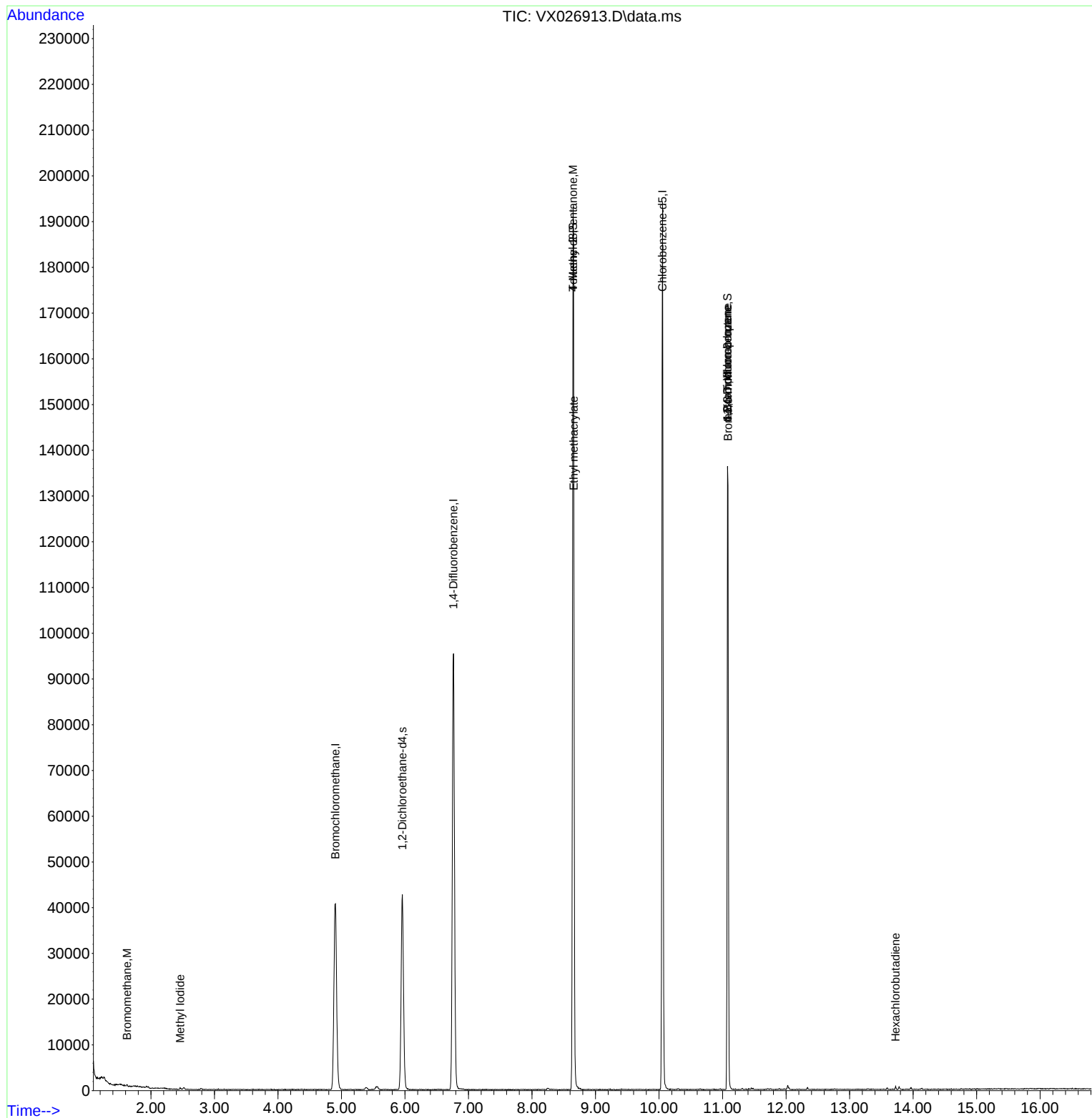
Internal Standards						
1) Bromochloromethane	4.904	128	17910	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	100112	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	85277	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	40541	28.150	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.833%
60) 4-Bromofluorobenzene	11.079	95	38679	27.178	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.600%
63) Toluene-d8	8.647	98	116224	29.668	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.900%
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	150	0.320	ug/l	99
11) Methyl Iodide	2.459	142	349	0.334	ug/l #	78
51) Ethyl methacrylate	8.659	69	389	0.230	ug/l #	74
56) Bromoform	11.085	173	353	0.462	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	439	0.276	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	19473	14.307	ug/l	38
77) t-1,4-Dichloro-2-butene	11.079	75	19473	47.571	ug/l #	3
90) Hexachlorobutadiene	13.725	225	173	0.300	ug/l	70

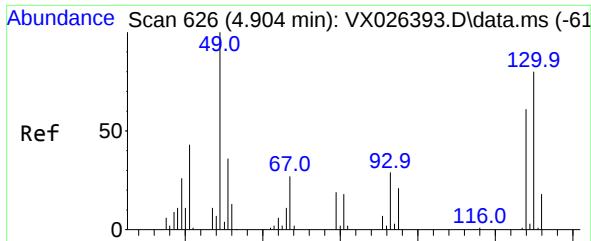
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 11 03:39:55 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011022W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jan 10 12:50:55 2022
Response via : Initial Calibration

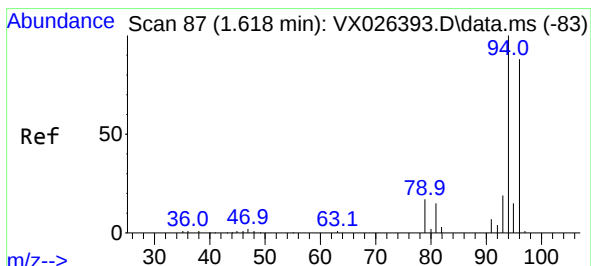
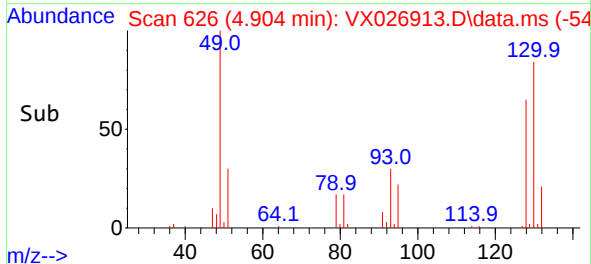
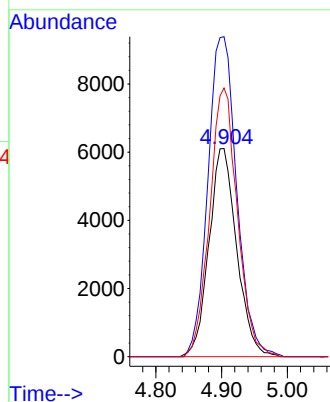
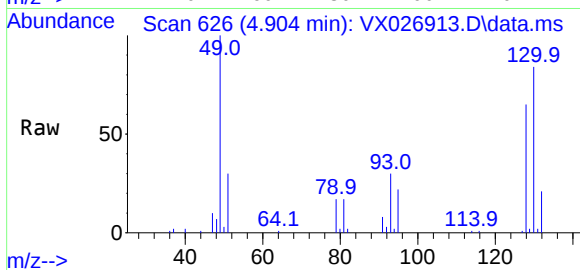




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX026913.D
Acq: 10 Feb 2022 12:04

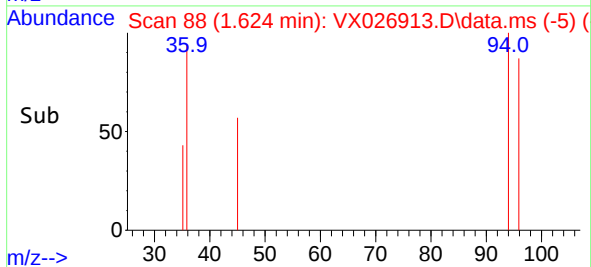
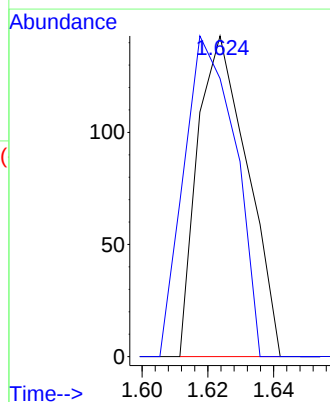
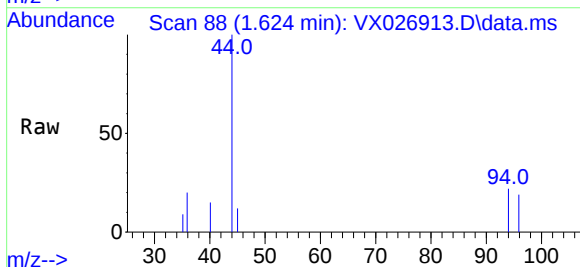
Instrument :
MSVOA_X
ClientSampleId :
VX0210WBL01

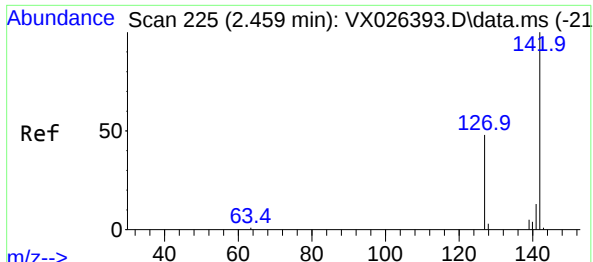
Tgt Ion:128 Resp: 17910
Ion Ratio Lower Upper
128 100
49 159.8 0.0 413.5
130 129.4 0.0 326.0



#5
Bromomethane
Concen: 0.320 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.006 min
Lab File: VX026913.D
Acq: 10 Feb 2022 12:04

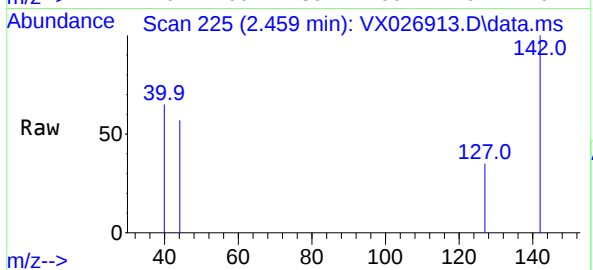
Tgt Ion: 94 Resp: 150
Ion Ratio Lower Upper
94 100
96 86.7 70.3 105.5





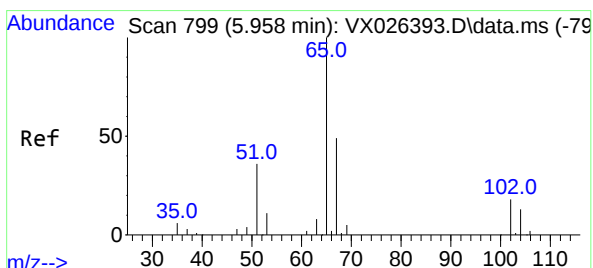
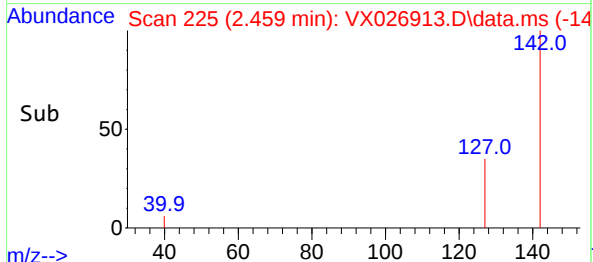
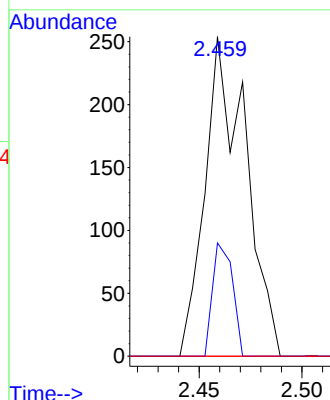
#11
Methyl Iodide
Concen: 0.334 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX026913.D
Acq: 10 Feb 2022 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0210WBL01



Tgt Ion:142 Resp: 349

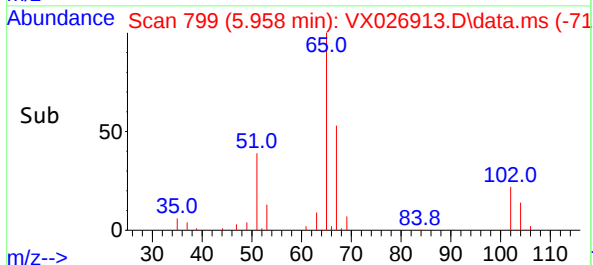
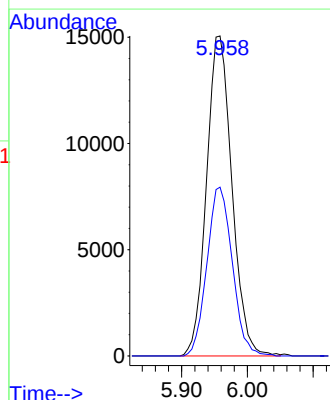
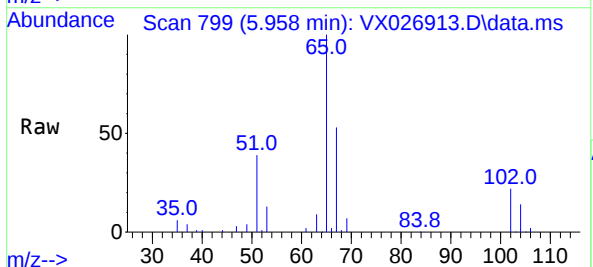
Ion	Ratio	Lower	Upper
142	100		
127	35.4	23.9	71.7
141	0.0	6.7	20.1

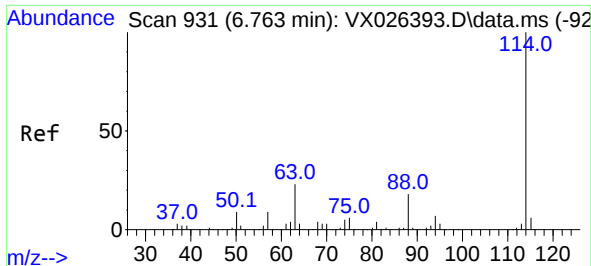


#27
1,2-Dichloroethane-d4
Concen: 28.150 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX026913.D
Acq: 10 Feb 2022 12:04

Tgt Ion: 65 Resp: 40541

Ion	Ratio	Lower	Upper
65	100		
67	52.7	39.6	59.4

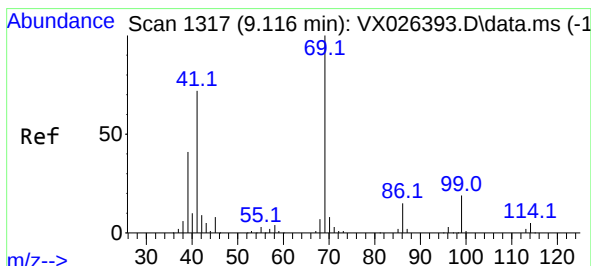
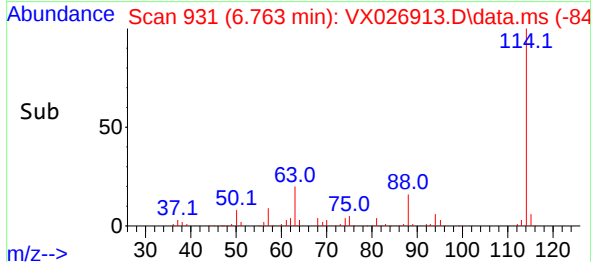
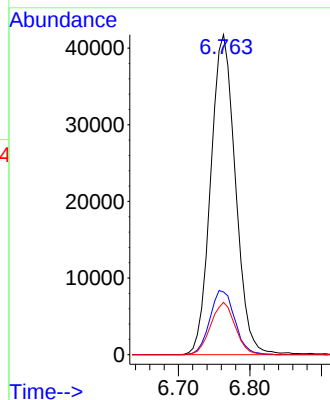
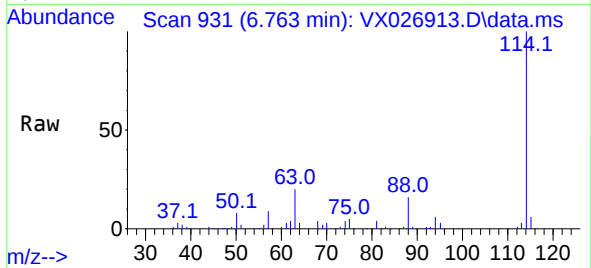




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX026913.D
Acq: 10 Feb 2022 12:04

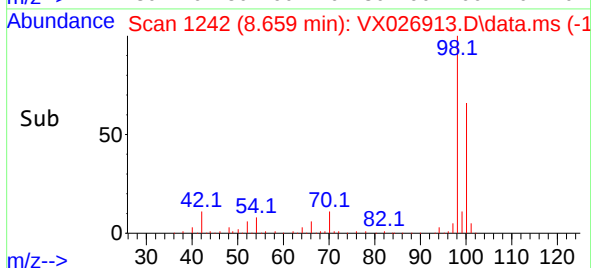
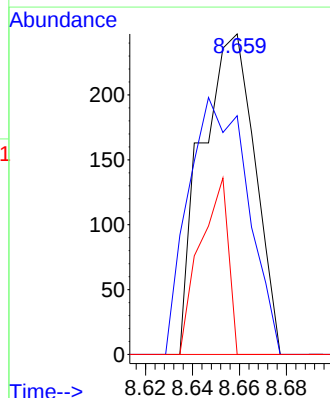
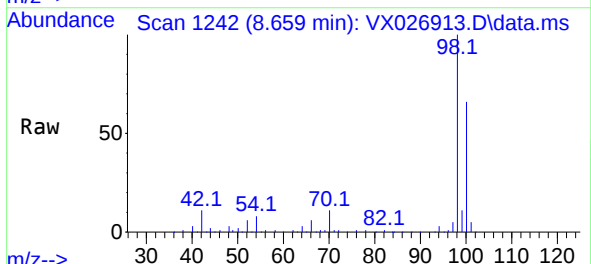
Instrument :
MSVOA_X
ClientSampleId :
VX0210WBL01

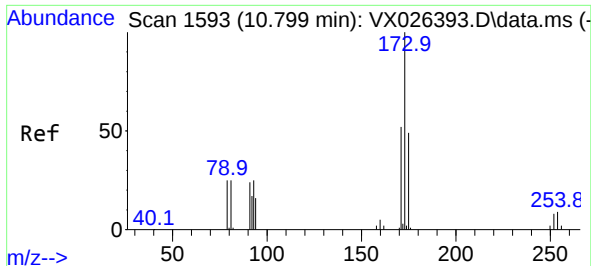
Tgt Ion:114 Resp: 100112
Ion Ratio Lower Upper
114 100
63 20.3 17.4 26.2
88 16.2 13.5 20.3



#51
Ethyl methacrylate
Concen: 0.230 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. -0.457 min
Lab File: VX026913.D
Acq: 10 Feb 2022 12:04

Tgt Ion: 69 Resp: 389
Ion Ratio Lower Upper
69 100
41 74.5 35.9 107.7
39 0.0 20.3 61.0#

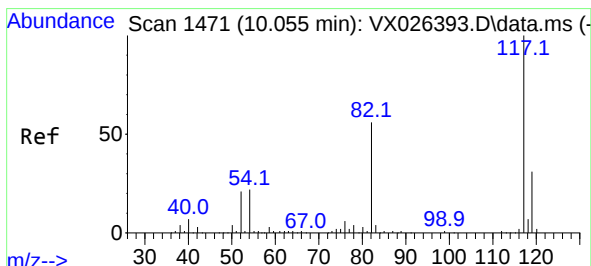
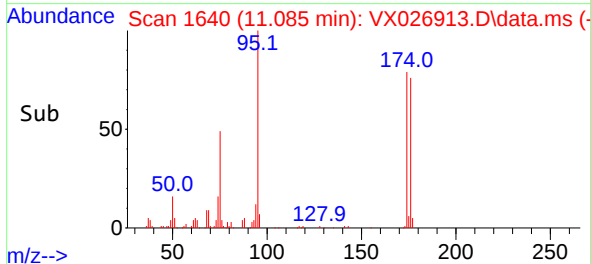
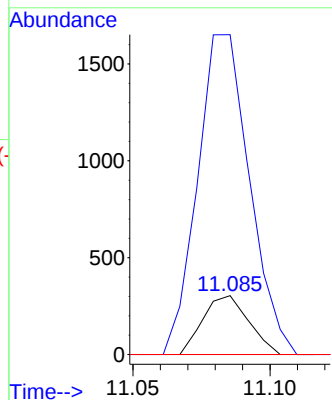
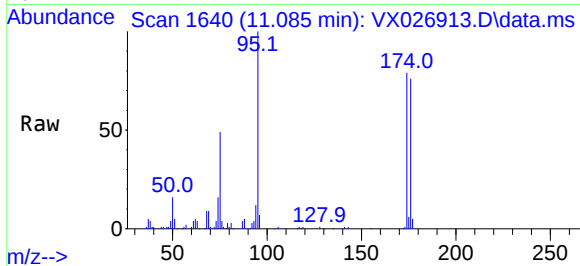




#56
Bromoform
Concen: 0.462 ug/l
RT: 11.085 min Scan# 110
Delta R.T. 0.287 min
Lab File: VX026913.D
Acq: 10 Feb 2022 12:04

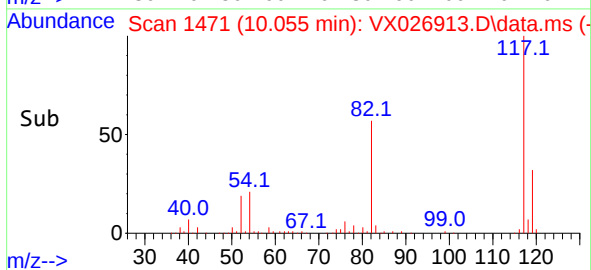
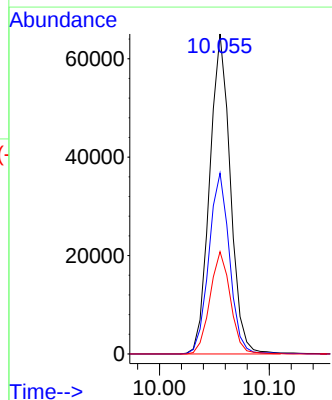
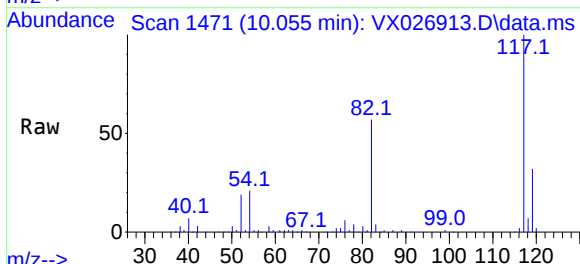
Instrument :
MSVOA_X
ClientSampleId :
VX0210WBL01

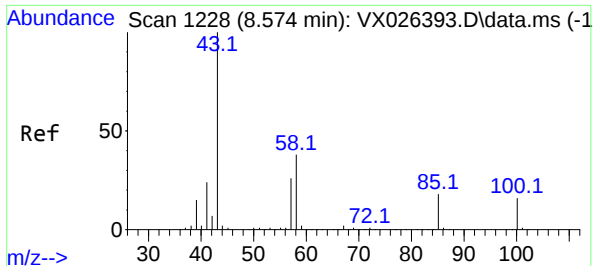
Tgt Ion:173 Resp: 353
Ion Ratio Lower Upper
173 100
175 617.8 38.0 57.0#
254 0.0 6.6 10.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026913.D
Acq: 10 Feb 2022 12:04

Tgt Ion:117 Resp: 85277
Ion Ratio Lower Upper
117 100
82 56.6 46.2 69.4
119 31.7 25.4 38.2





#58

4-Methyl-2-Pentanone

Concen: 0.276 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX026913.D

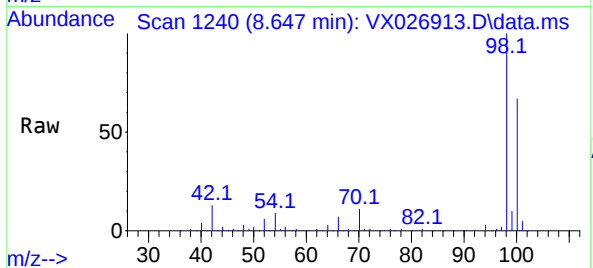
Acq: 10 Feb 2022 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0210WBL01



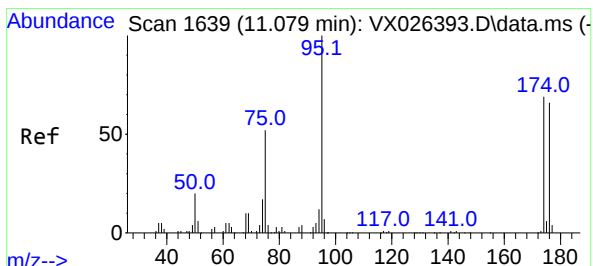
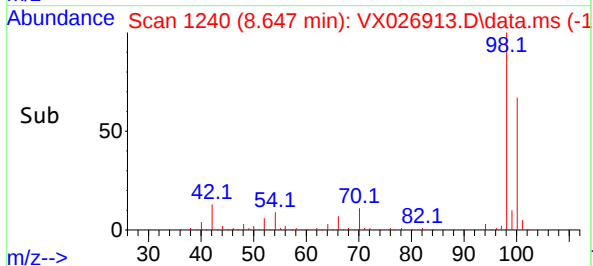
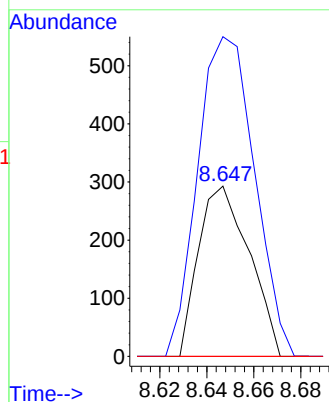
Tgt Ion: 43 Resp: 439

Ion Ratio Lower Upper

43 100

58 210.7 30.2 45.4#

85 0.0 14.1 21.1#



#60

4-Bromofluorobenzene

Concen: 27.178 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX026913.D

Acq: 10 Feb 2022 12:04

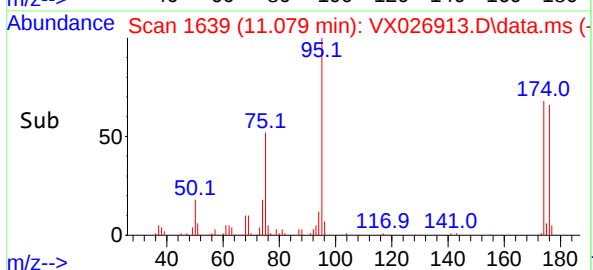
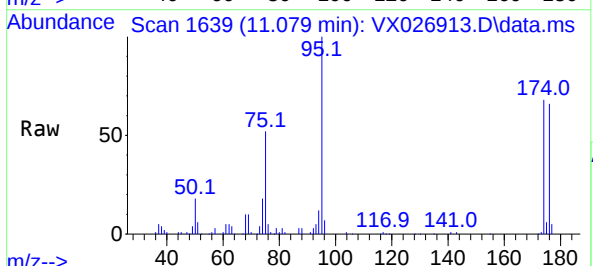
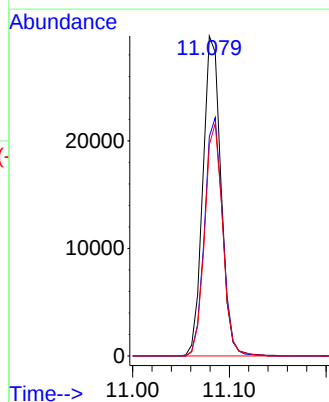
Tgt Ion: 95 Resp: 38679

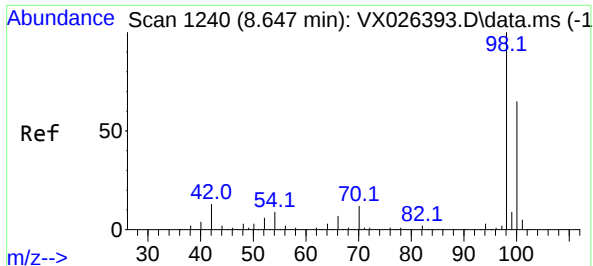
Ion Ratio Lower Upper

95 100

174 74.6 58.0 87.0

176 72.1 56.5 84.7

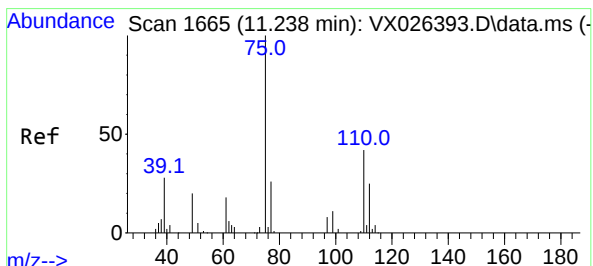
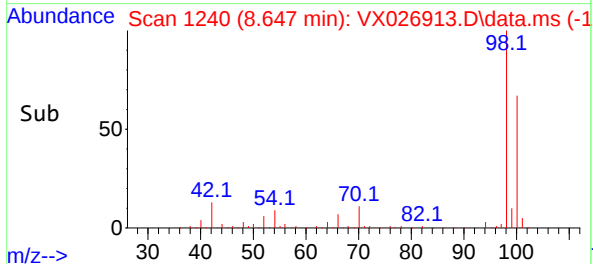
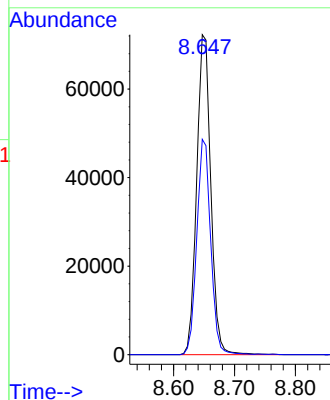
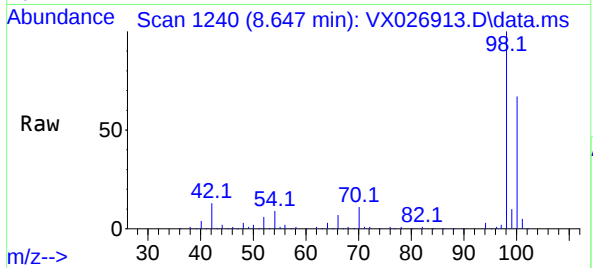




#63
Toluene-d8
Concen: 29.668 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026913.D
Acq: 10 Feb 2022 12:04

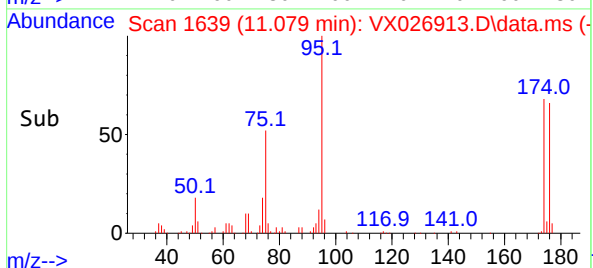
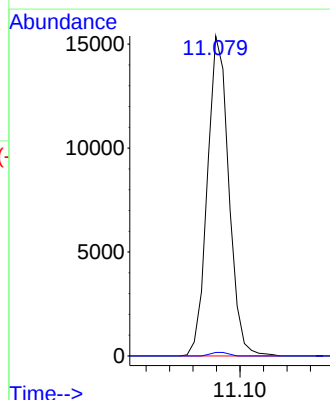
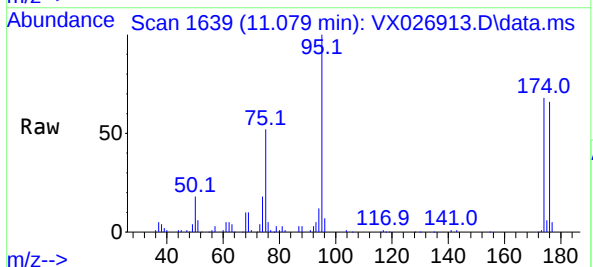
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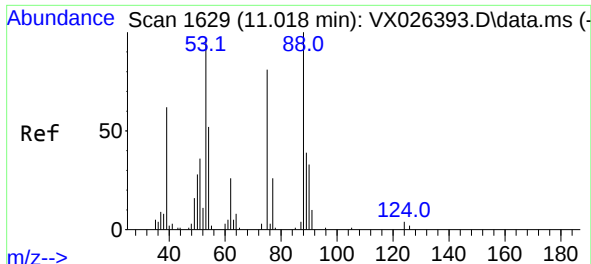
Tgt Ion: 98 Resp: 116224
Ion Ratio Lower Upper
98 100
100 66.3 52.5 78.7



#72
1,2,3-Trichloropropane
Concen: 14.307 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX026913.D
Acq: 10 Feb 2022 12:04

Tgt Ion: 75 Resp: 19473
Ion Ratio Lower Upper
75 100
77 0.9 0.0 76.2

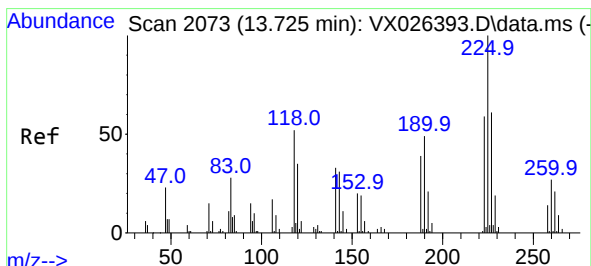
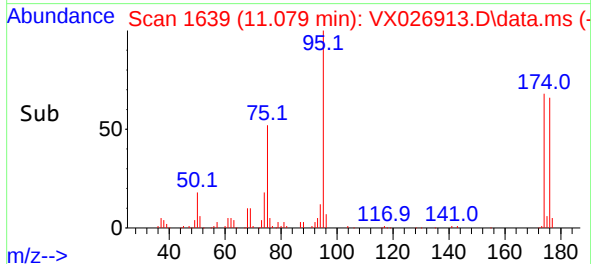
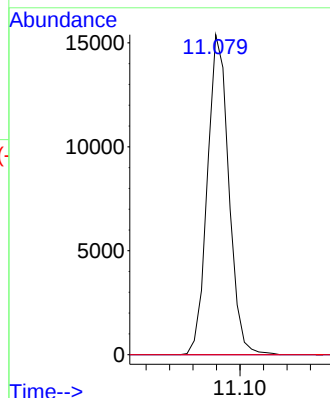
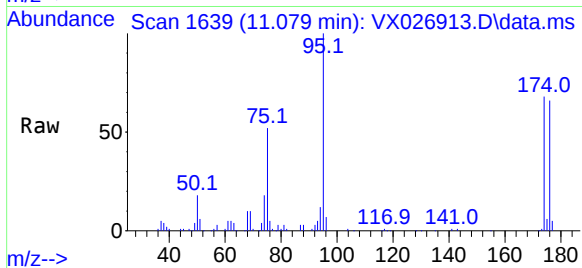




#77
t-1,4-Dichloro-2-butene
Concen: 47.571 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026913.D
Acq: 10 Feb 2022 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0210WBL01

Tgt Ion: 75 Resp: 19473
Ion Ratio Lower Upper
75 100
53 0.0 59.0 176.8#
89 0.0 24.0 72.0#



#90
Hexachlorobutadiene
Concen: 0.300 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX026913.D
Acq: 10 Feb 2022 12:04

Tgt Ion: 225 Resp: 173
Ion Ratio Lower Upper
225 100
223 43.4 0.0 121.6
227 33.5 0.0 122.8

