

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111122\
 Data File : VX032773.D
 Acq On : 11 Nov 2022 14:38
 Operator : JC/MD
 Sample : N5564-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-4C(OW)

Quant Time: Nov 14 05:12:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 11 05:24:06 2022
 Response via : Initial Calibration

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

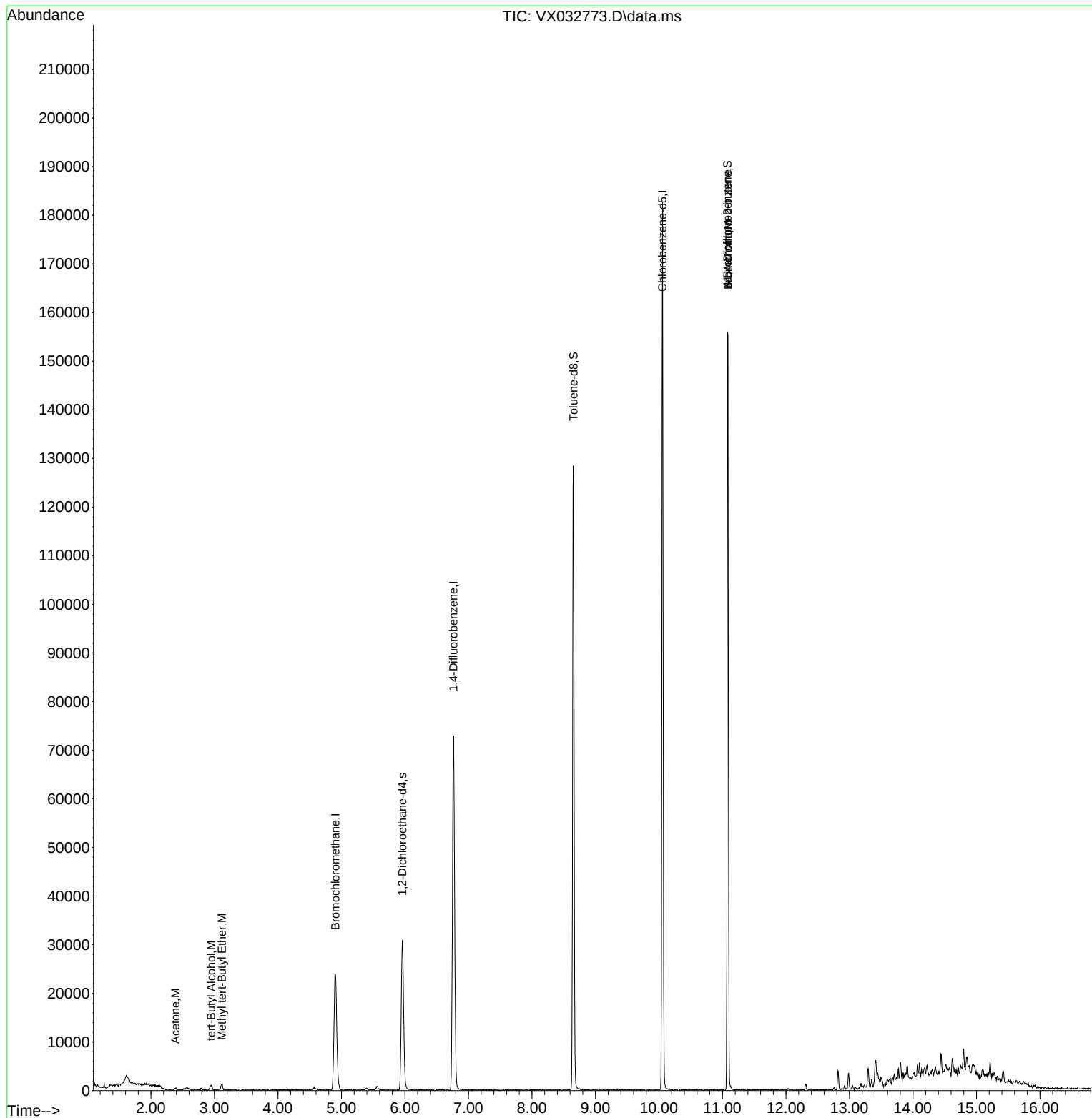
Internal Standards						
1) Bromochloromethane	4.904	128	10601	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	73841	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	10.055	117	77318	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	30370	29.696	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.000%
60) 4-Bromofluorobenzene	11.079	95	40007	27.050	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.167%
63) Toluene-d8	8.653	98	77438	29.678	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.933%
Target Compounds						
					Qvalue	
15) Acetone	2.386	58	99	0.695	ug/l	# 1
23) tert-Butyl Alcohol	2.947	59	699	3.931	ug/l	# 100
24) Methyl tert-Butyl Ether	3.117	73	1395	0.378	ug/l	# 82
56) Bromoform	11.085	173	299	0.313	ug/l	# 1
77) t-1,4-Dichloro-2-butene	11.079	75	22216	48.063	ug/l	# 8

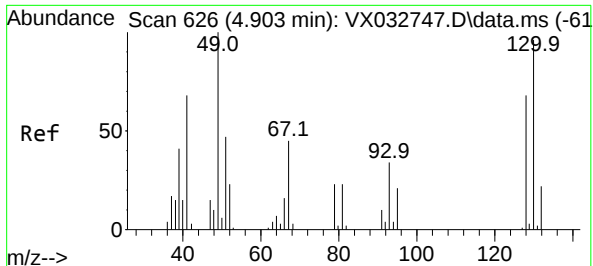
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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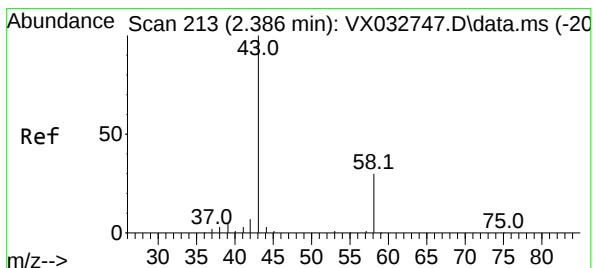
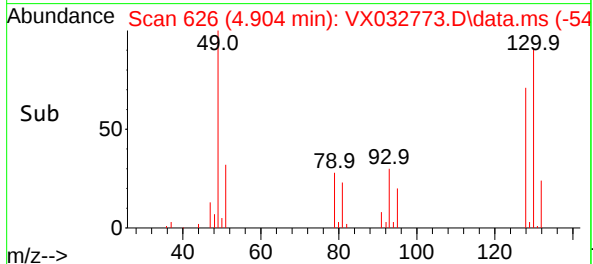
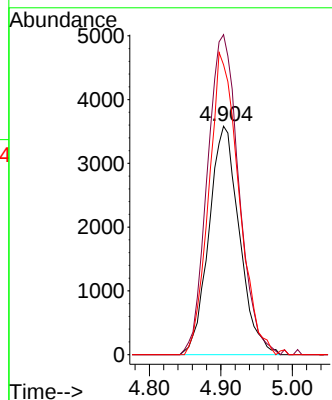
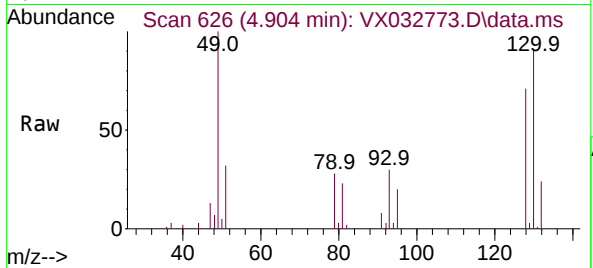




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.001 min
Lab File: VX032773.D
Acq: 11 Nov 2022 14:38

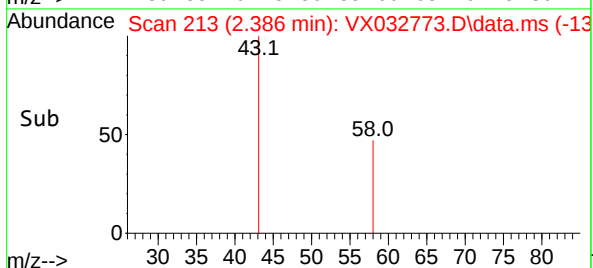
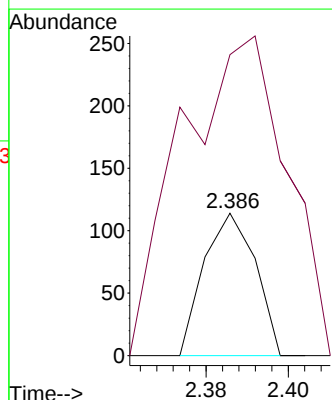
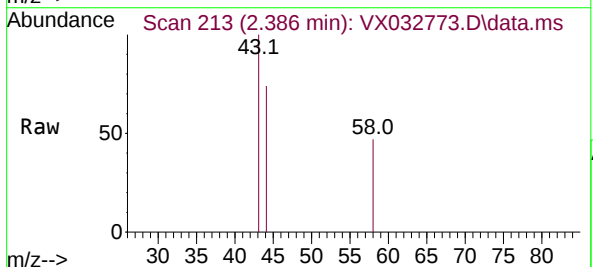
Instrument :
MSVOA_X
ClientSampleId :
B-4C(OW)

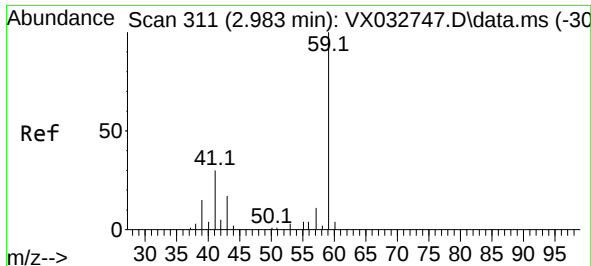
Tgt Ion:128 Resp: 10601
Ion Ratio Lower Upper
128 100
49 144.9 0.0 293.0
130 130.5 0.0 321.5



#15
Acetone
Concen: 0.695 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX032773.D
Acq: 11 Nov 2022 14:38

Tgt Ion: 58 Resp: 99
Ion Ratio Lower Upper
58 100
43 74.6 242.6 364.0#

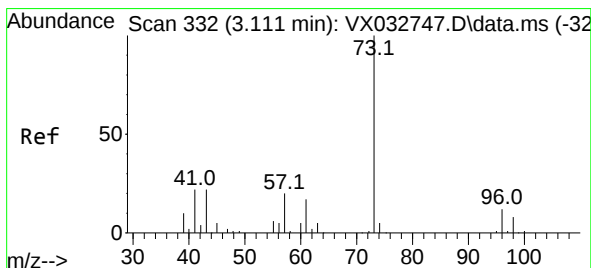
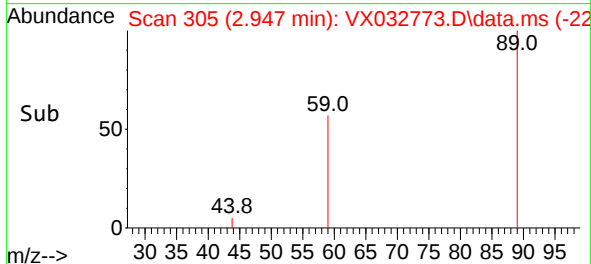
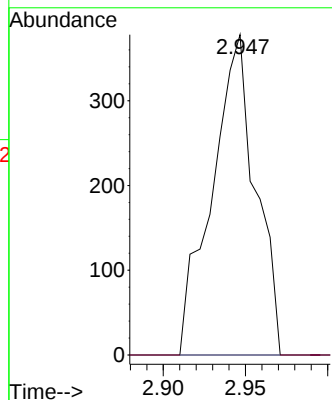
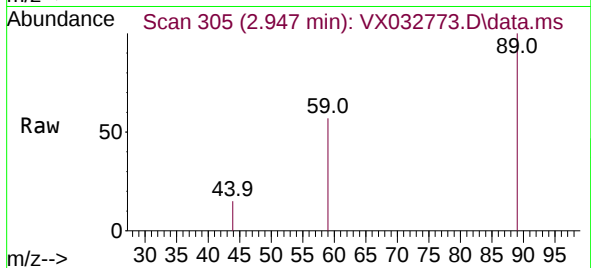




#23
tert-Butyl Alcohol
Concen: 3.931 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX032773.D
Acq: 11 Nov 2022 14:38

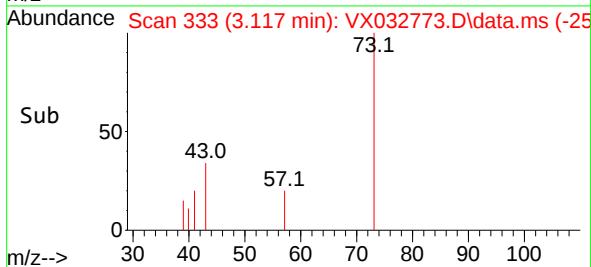
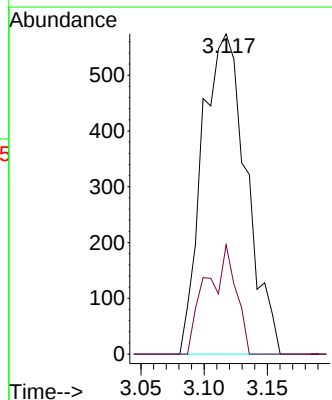
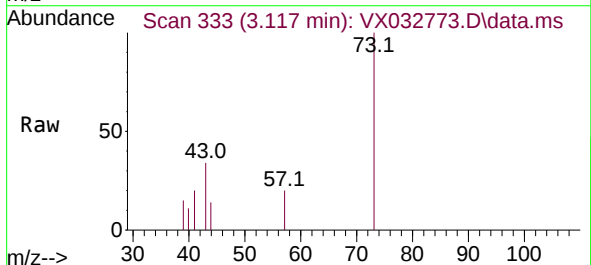
Instrument :
MSVOA_X
ClientSampleId :
B-4C(OW)

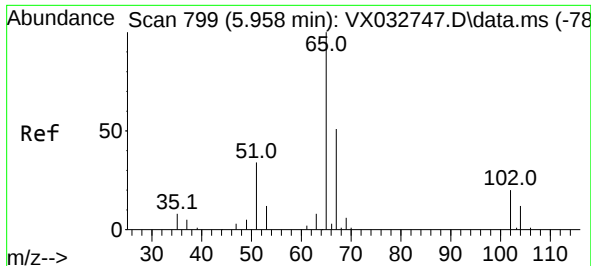
Tgt Ion: 59 Resp: 699
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#24
Methyl tert-Butyl Ether
Concen: 0.378 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX032773.D
Acq: 11 Nov 2022 14:38

Tgt Ion: 73 Resp: 1395
Ion Ratio Lower Upper
73 100
43 10.6 14.8 22.2#





#27

1,2-Dichloroethane-d4

Concen: 29.696 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX032773.D

Acq: 11 Nov 2022 14:38

Instrument :

MSVOA_X

ClientSampleId :

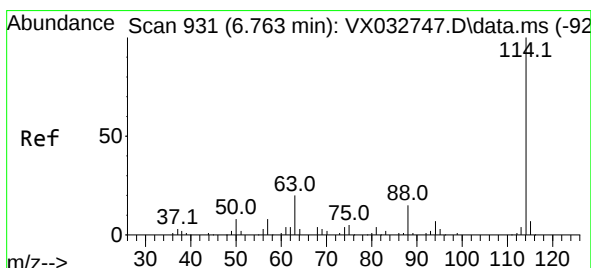
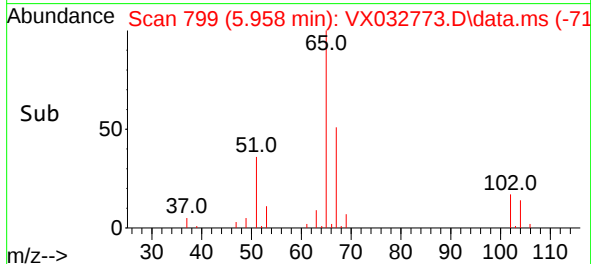
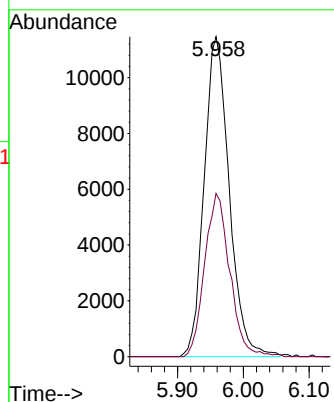
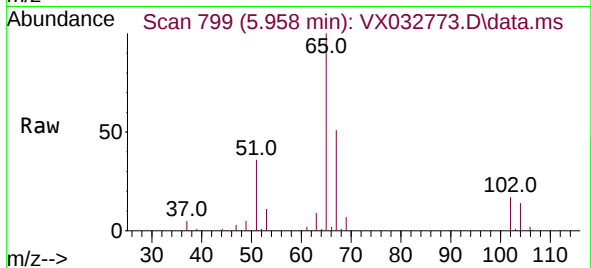
B-4C(OW)

Tgt Ion: 65 Resp: 30370

Ion Ratio Lower Upper

65 100

67 51.0 41.8 62.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX032773.D

Acq: 11 Nov 2022 14:38

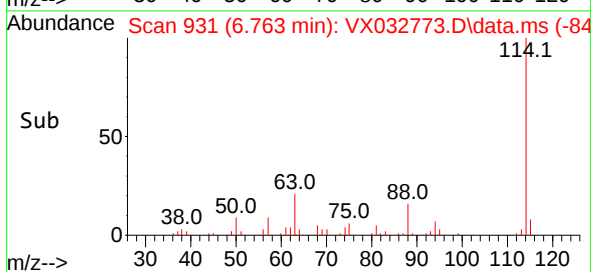
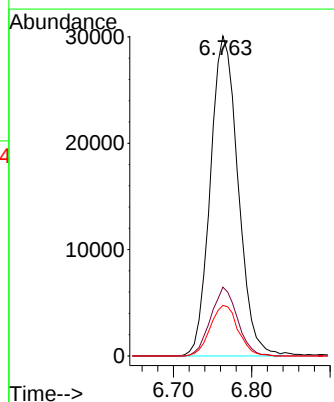
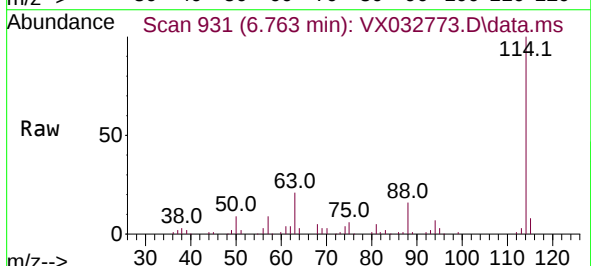
Tgt Ion: 114 Resp: 73841

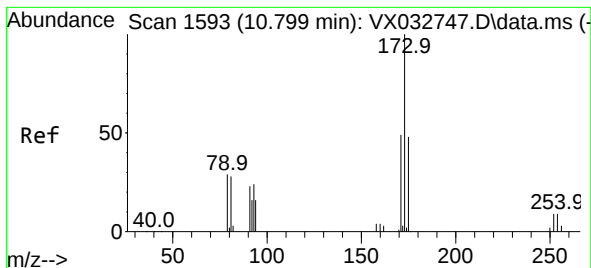
Ion Ratio Lower Upper

114 100

63 20.7 13.6 20.4#

88 15.8 11.8 17.6





#56

Bromoform

Concen: 0.313 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.287 min

Lab File: VX032773.D

Acq: 11 Nov 2022 14:38

Instrument :

MSVOA_X

ClientSampleId :

B-4C(OW)

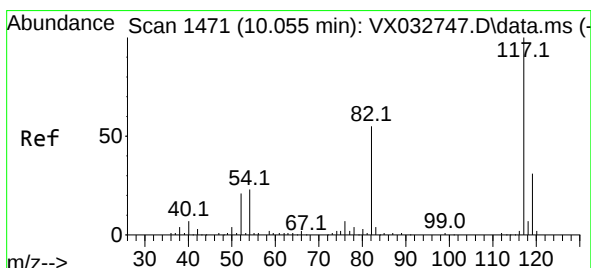
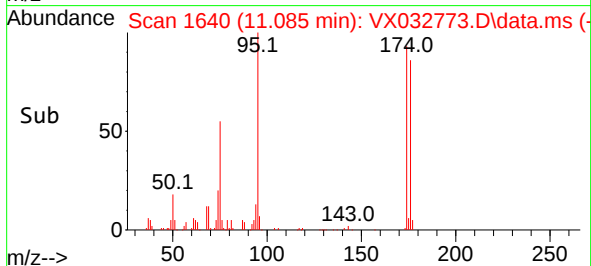
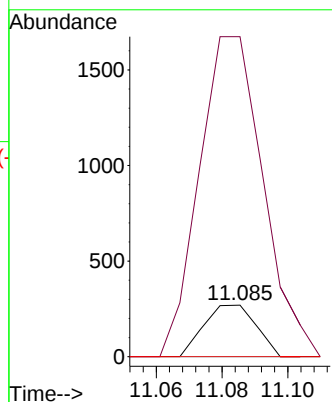
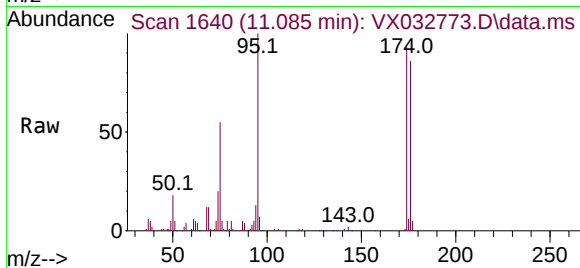
Tgt Ion:173 Resp: 299

Ion Ratio Lower Upper

173 100

175 758.5 38.6 58.0#

254 0.0 6.8 10.2#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX032773.D

Acq: 11 Nov 2022 14:38

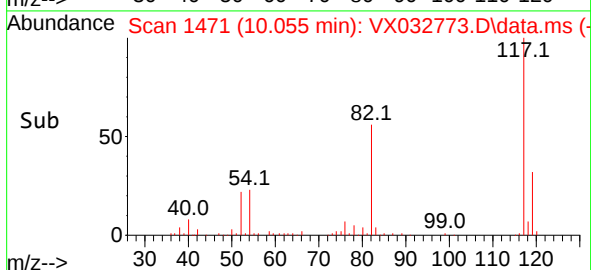
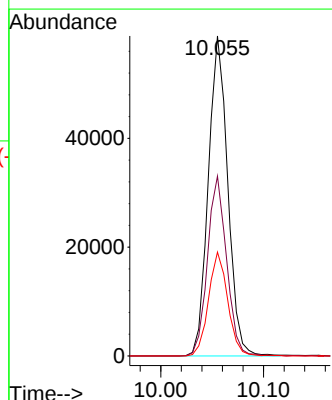
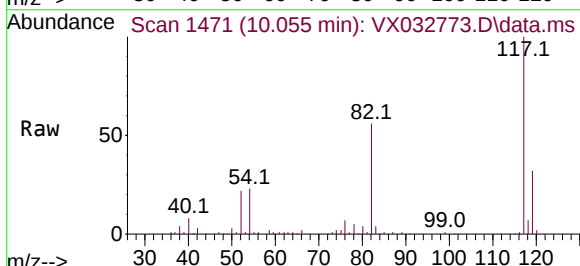
Tgt Ion:117 Resp: 77318

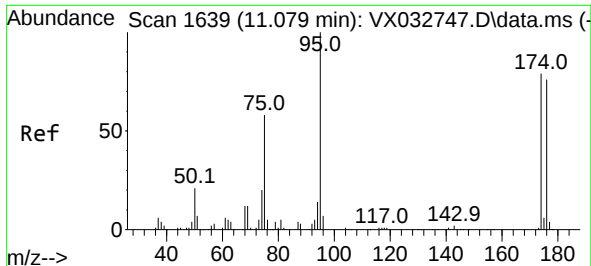
Ion Ratio Lower Upper

117 100

82 55.3 40.0 60.0

119 32.0 26.0 39.0





#60

4-Bromofluorobenzene

Concen: 27.050 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX032773.D

Acq: 11 Nov 2022 14:38

Instrument :

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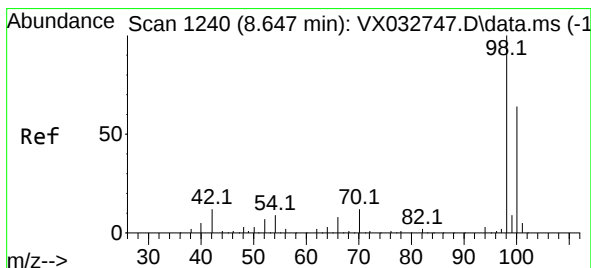
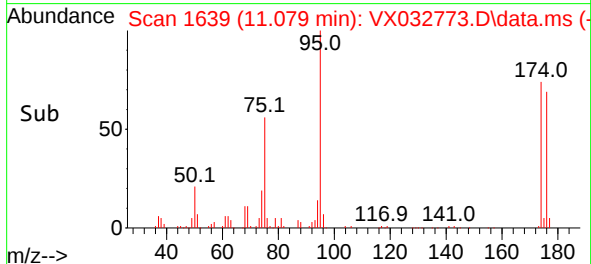
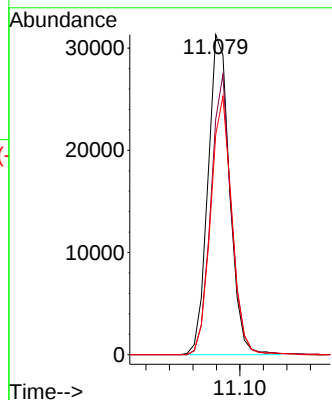
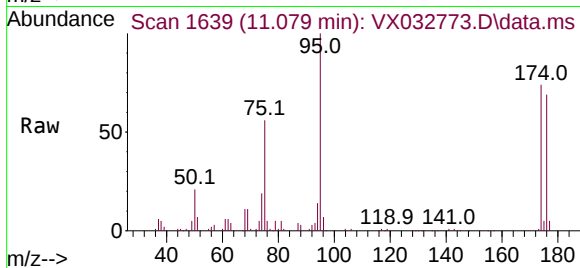
Tgt Ion: 95 Resp: 40007

Ion Ratio Lower Upper

95 100

174 82.4 68.2 102.2

176 79.5 68.1 102.1



#63

Toluene-d8

Concen: 29.678 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.006 min

Lab File: VX032773.D

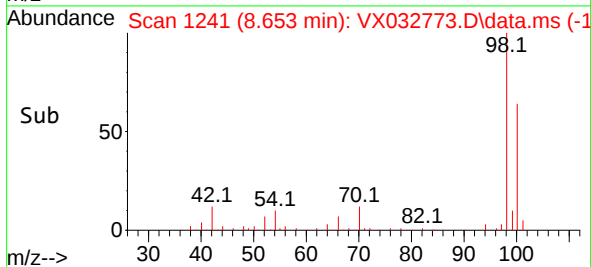
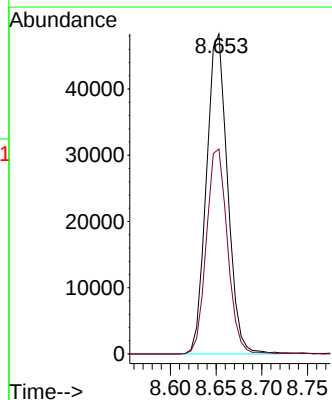
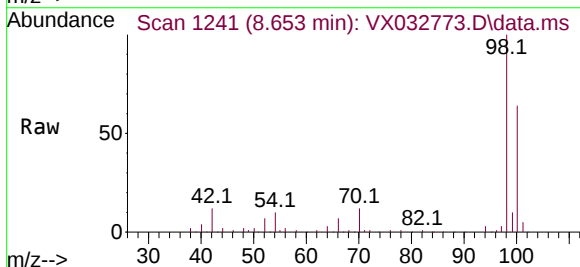
Acq: 11 Nov 2022 14:38

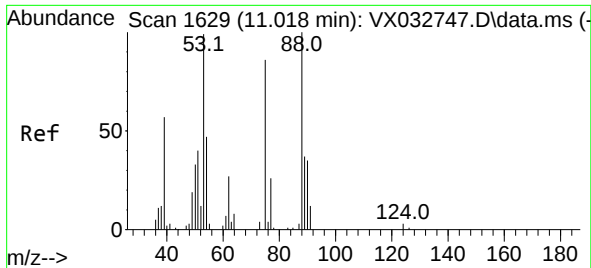
Tgt Ion: 98 Resp: 77438

Ion Ratio Lower Upper

98 100

100 63.8 53.8 80.8





#77

t-1,4-Dichloro-2-butene

Concen: 48.063 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX032773.D

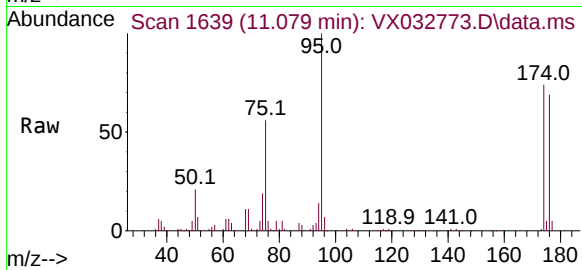
Acq: 11 Nov 2022 14:38

Instrument :

MSVOA_X

ClientSampleId :

B-4C(OW)



Tgt Ion: 75 Resp: 22216

Ion Ratio Lower Upper

75 100

53 0.0 51.8 155.4#

89 0.0 22.9 68.8#

