

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111122\
 Data File : VX032768.D
 Acq On : 11 Nov 2022 12:42
 Operator : JC/MD
 Sample : N5532-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-3(OW)

Quant Time: Nov 14 05:11:33 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)

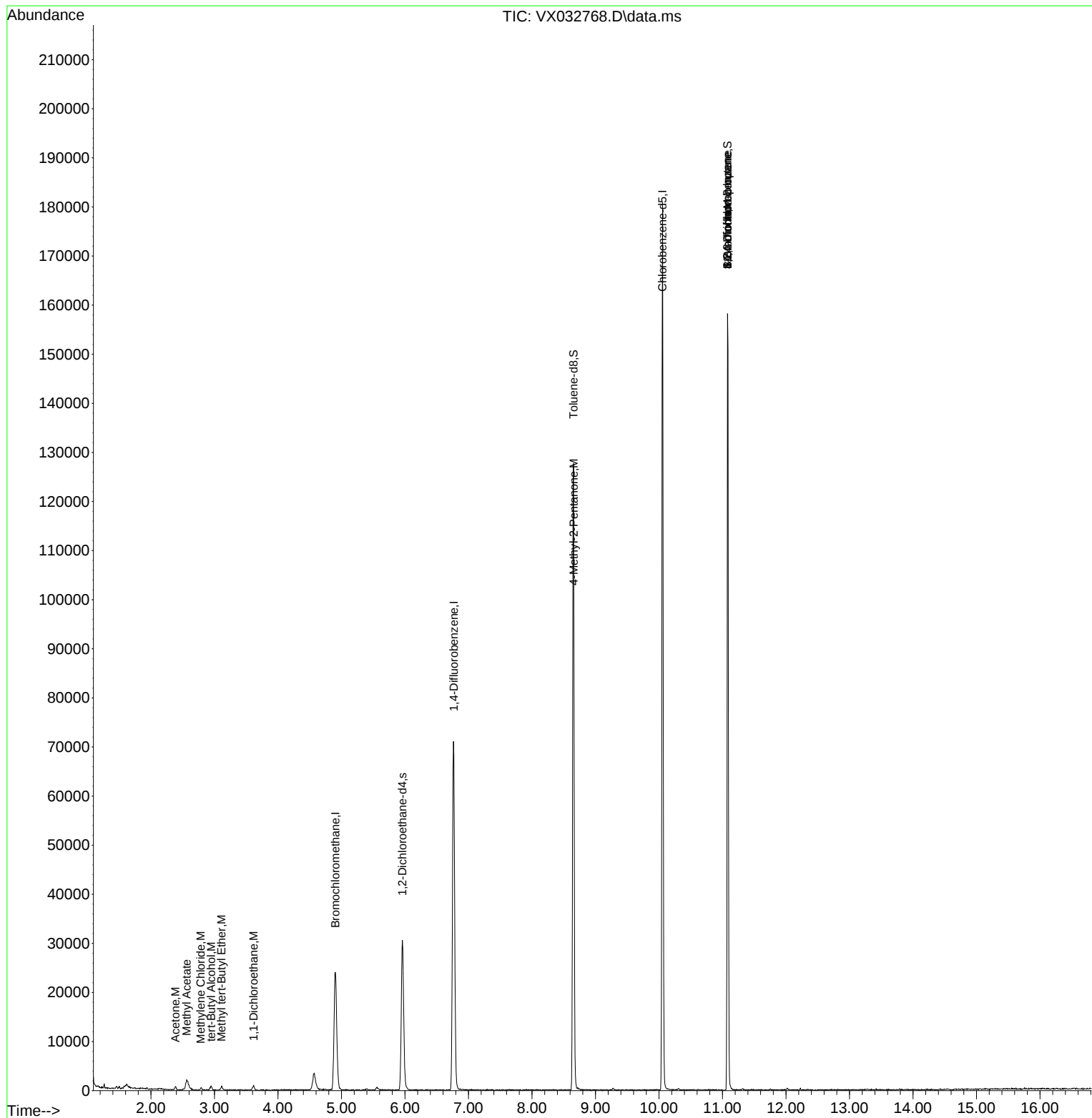
Internal Standards						
1) Bromochloromethane	4.904	128	10360	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	73394	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	77122	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	30707	30.724	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.400%
60) 4-Bromofluorobenzene	11.079	95	39992	27.109	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.367%
63) Toluene-d8	8.653	98	78326	30.094	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.300%
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.563	43	631	0.423	ug/l #	44
15) Acetone	2.386	58	216	1.552	ug/l #	28
18) Methylene Chloride	2.782	84	291	0.250	ug/l #	61
21) 1,1-Dichloroethane	3.617	63	594	0.295	ug/l #	78
23) tert-Butyl Alcohol	2.947	59	412	2.371	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	845	0.234	ug/l	96
56) Bromoform	11.079	173	353	0.372	ug/l #	1
58) 4-Methyl-2-Pentanone	8.659	43	313	0.207	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	21862	14.470	ug/l	38
77) t-1,4-Dichloro-2-butene	11.079	75	21862	47.418	ug/l #	8

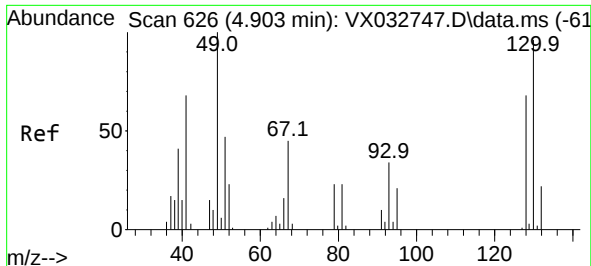
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111122\
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MSVOA_X
ClientSampleId :
B-3(OW)

Quant Time: Nov 14 05:11:33 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

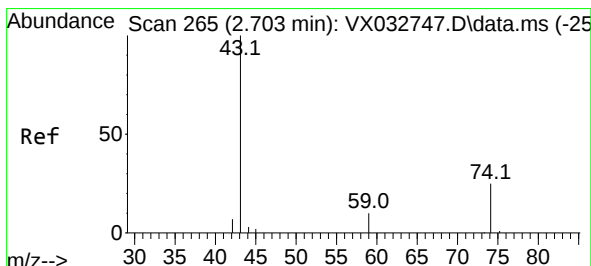
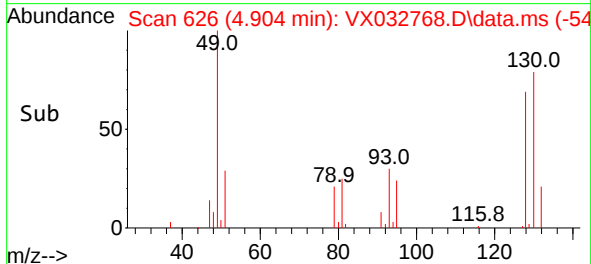
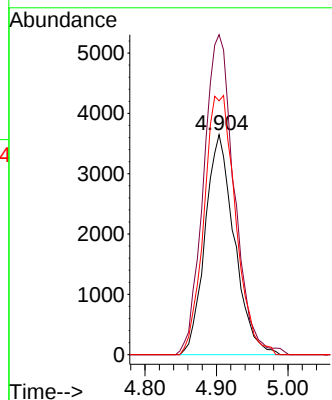
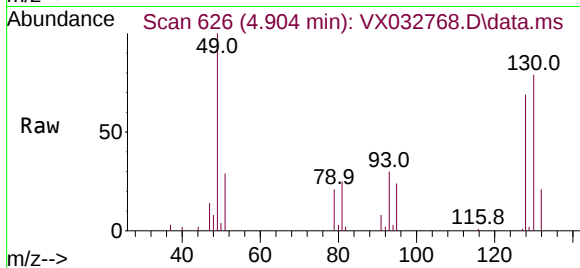




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.001 min
Lab File: VX032768.D
Acq: 11 Nov 2022 12:42

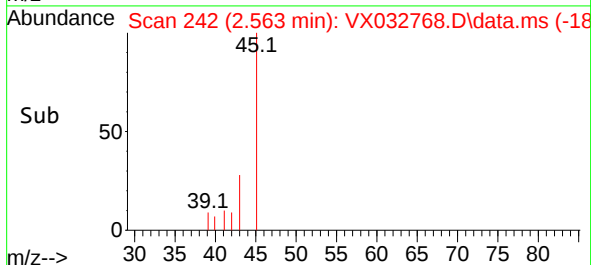
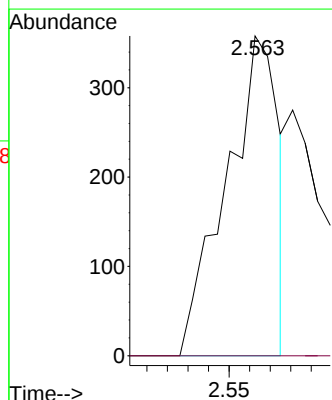
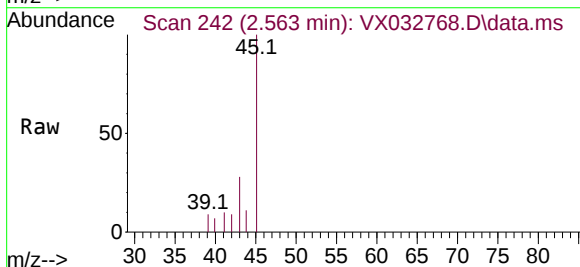
Instrument :
MSVOA_X
ClientSampleId :
B-3(OW)

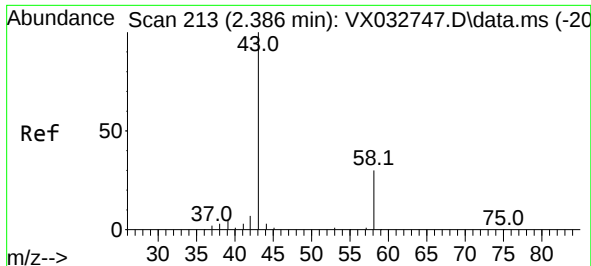
Tgt Ion:128 Resp: 10360
Ion Ratio Lower Upper
128 100
49 152.2 0.0 293.0
130 127.7 0.0 321.5



#12
Methyl Acetate
Concen: 0.423 ug/l
RT: 2.563 min Scan# 242
Delta R.T. -0.140 min
Lab File: VX032768.D
Acq: 11 Nov 2022 12:42

Tgt Ion: 43 Resp: 631
Ion Ratio Lower Upper
43 100
74 0.0 24.8 37.2#





#15

Acetone

Concen: 1.552 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX032768.D

Acq: 11 Nov 2022 12:42

Instrument :

MSVOA_X

ClientSampleId :

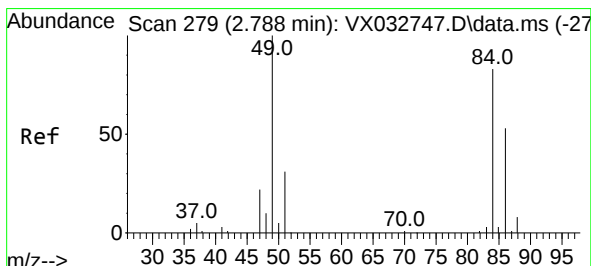
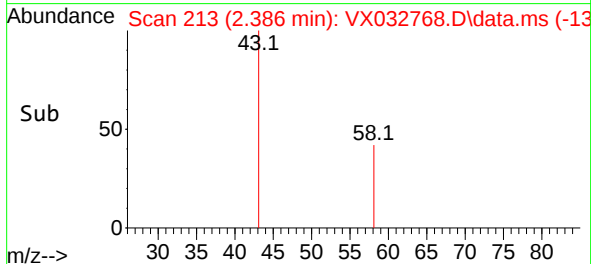
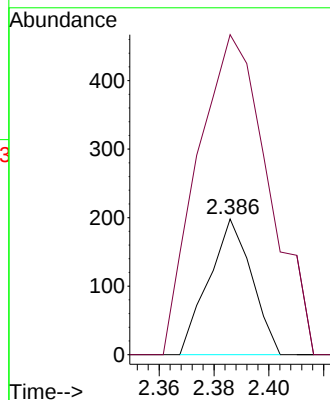
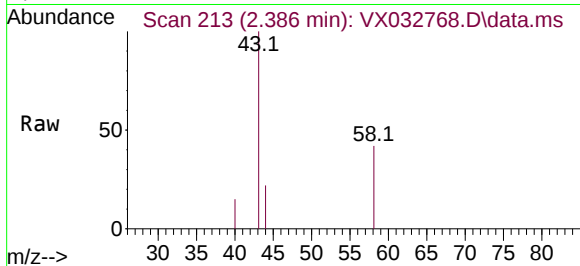
B-3(OW)

Tgt Ion: 58 Resp: 216

Ion Ratio Lower Upper

58 100

43 161.1 242.6 364.0#



#18

Methylene Chloride

Concen: 0.250 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX032768.D

Acq: 11 Nov 2022 12:42

Tgt Ion: 84 Resp: 291

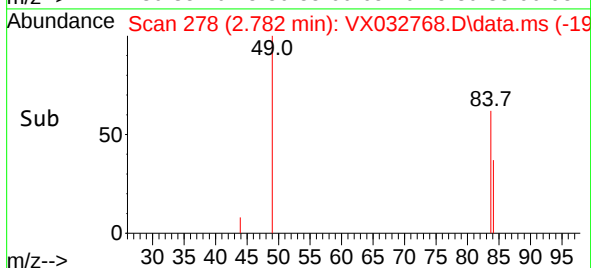
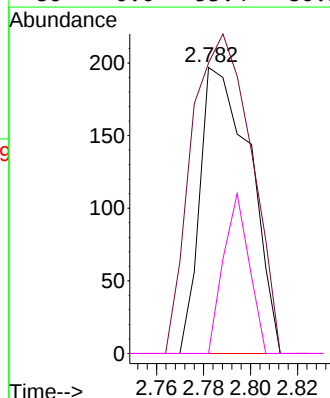
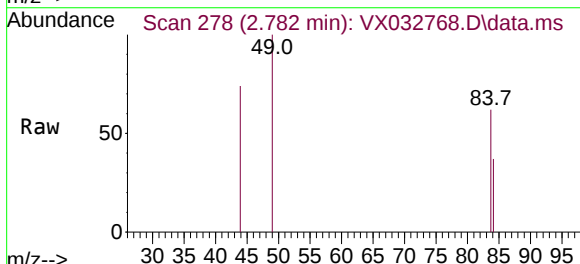
Ion Ratio Lower Upper

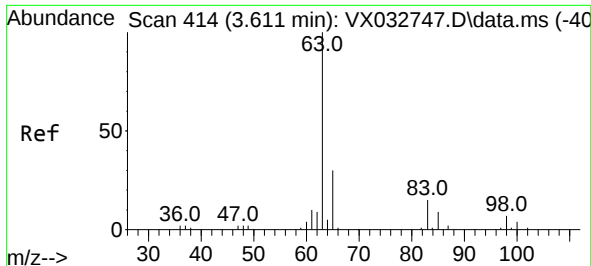
84 100

49 101.5 84.6 127.0

51 0.0 26.5 39.7#

86 0.0 53.4 80.2#





#21

1,1-Dichloroethane

Concen: 0.295 ug/l

RT: 3.617 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX032768.D

Acq: 11 Nov 2022 12:42

Instrument :

MSVOA_X

ClientSampleId :

B-3(OW)

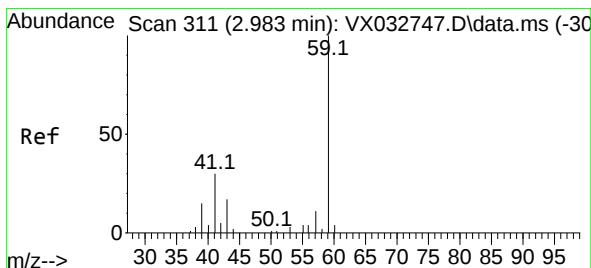
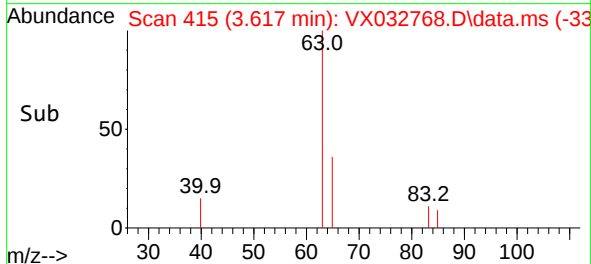
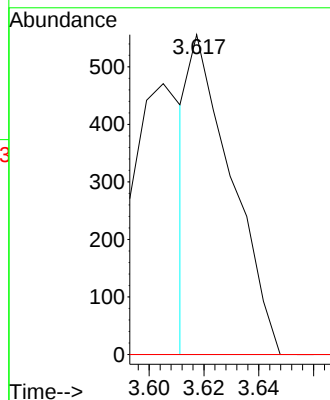
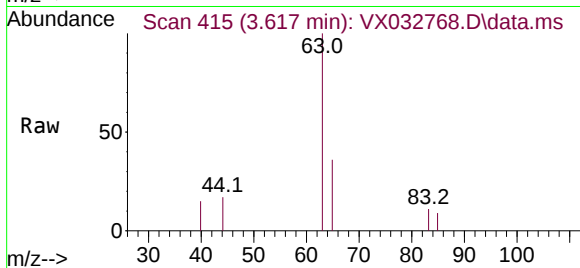
Tgt Ion: 63 Resp: 594

Ion Ratio Lower Upper

63 100

98 0.0 4.5 13.7#

100 0.0 2.8 8.3#



#23

tert-Butyl Alcohol

Concen: 2.371 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.036 min

Lab File: VX032768.D

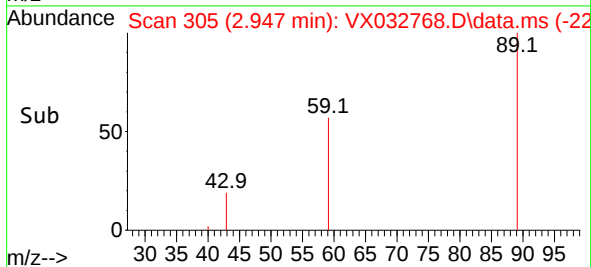
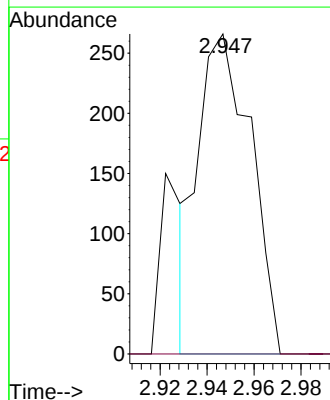
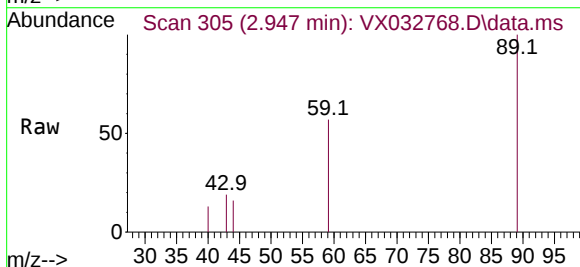
Acq: 11 Nov 2022 12:42

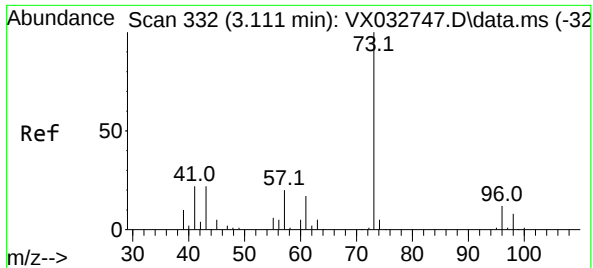
Tgt Ion: 59 Resp: 412

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0

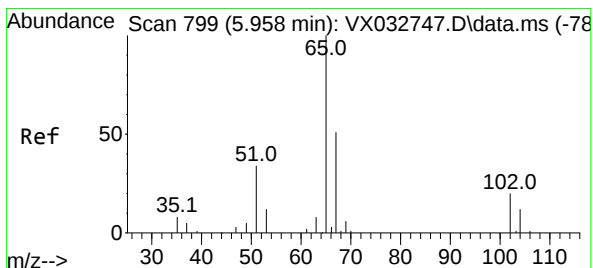
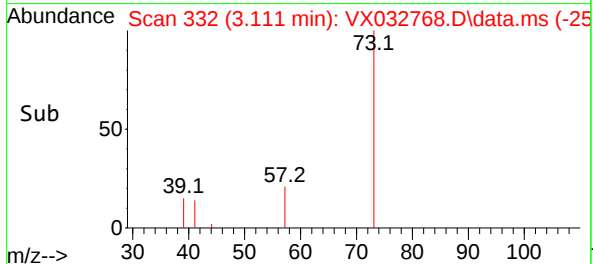
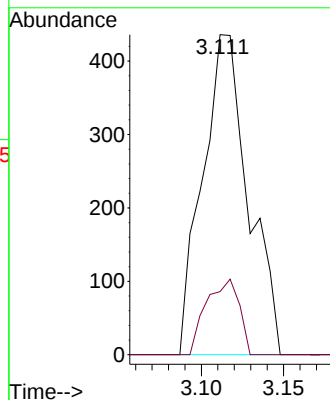
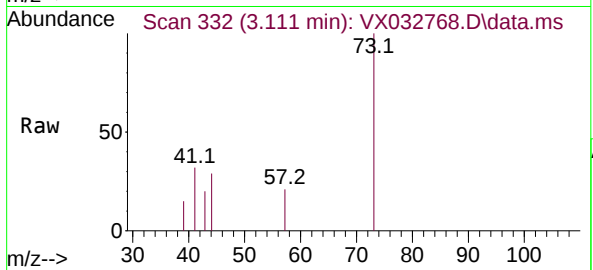




#24
Methyl tert-Butyl Ether
Concen: 0.234 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX032768.D
Acq: 11 Nov 2022 12:42

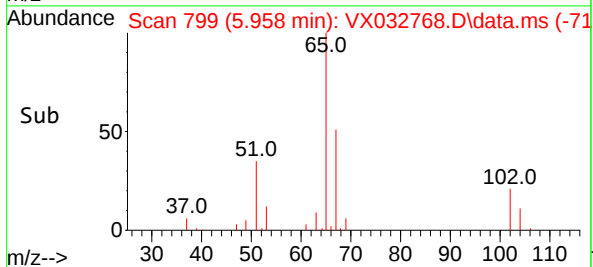
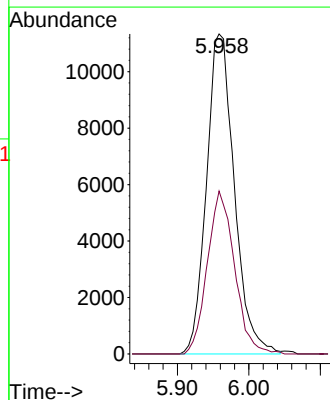
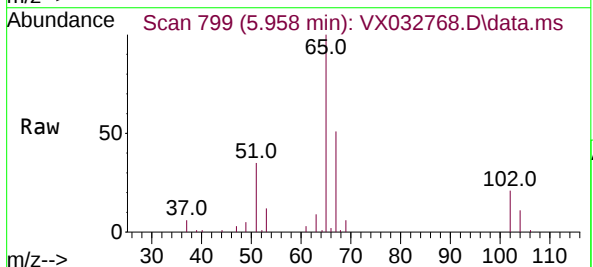
Instrument :
MSVOA_X
ClientSampleId :
B-3(OW)

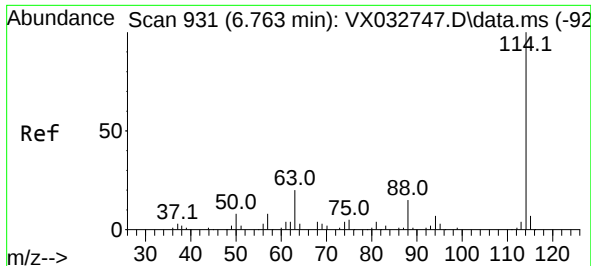
Tgt Ion: 73 Resp: 845
Ion Ratio Lower Upper
73 100
43 16.9 14.8 22.2



#27
1,2-Dichloroethane-d4
Concen: 30.724 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX032768.D
Acq: 11 Nov 2022 12:42

Tgt Ion: 65 Resp: 30707
Ion Ratio Lower Upper
65 100
67 49.5 41.8 62.6





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX032768.D

Acq: 11 Nov 2022 12:42

Instrument :

MSVOA_X

ClientSampleId :

B-3(OW)

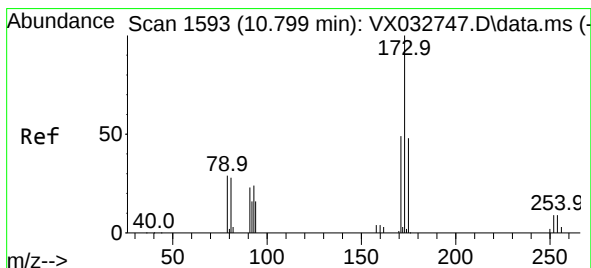
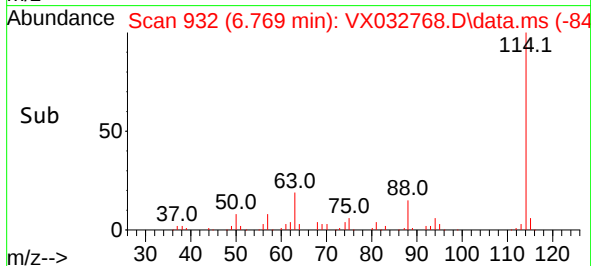
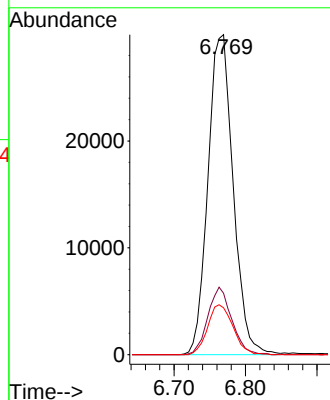
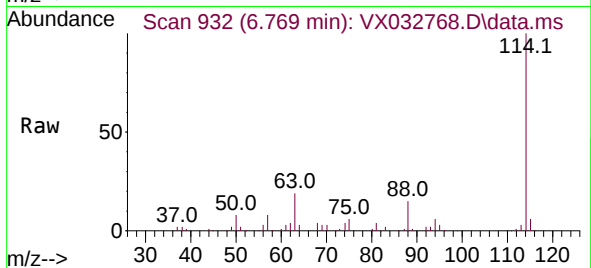
Tgt Ion:114 Resp: 73394

Ion Ratio Lower Upper

114 100

63 19.9 13.6 20.4

88 15.5 11.8 17.6



#56

Bromoform

Concen: 0.372 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.281 min

Lab File: VX032768.D

Acq: 11 Nov 2022 12:42

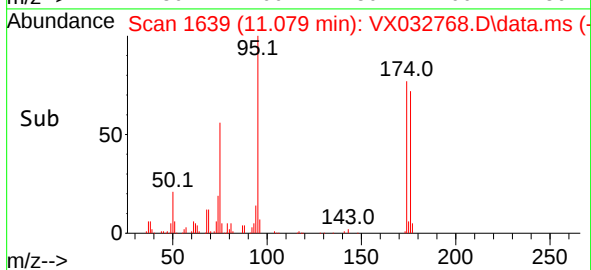
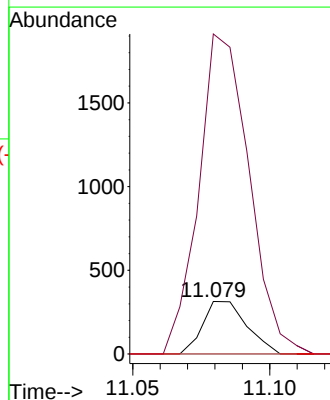
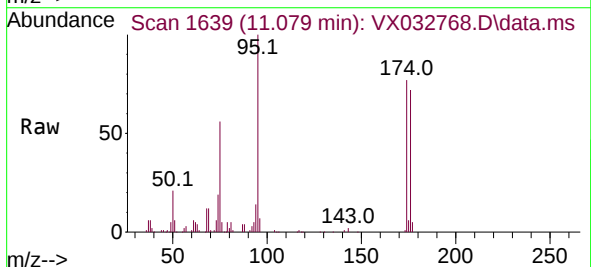
Tgt Ion:173 Resp: 353

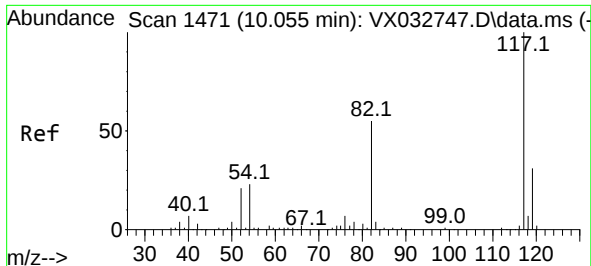
Ion Ratio Lower Upper

173 100

175 692.6 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: VX032768.D

Acq: 11 Nov 2022 12:42

Instrument :

MSVOA_X

ClientSampleId :

B-3(OW)

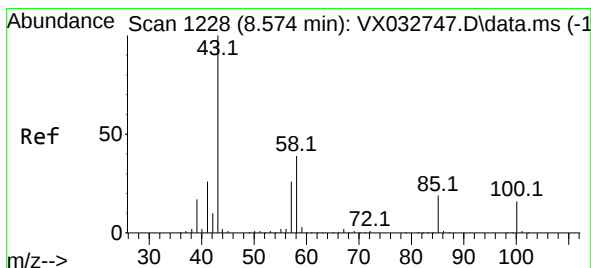
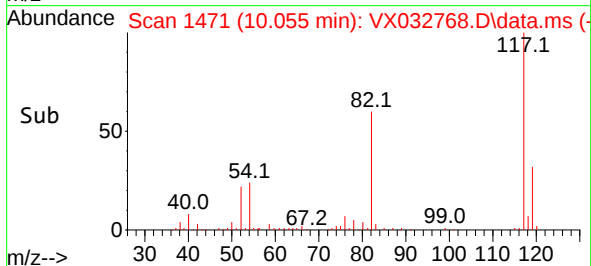
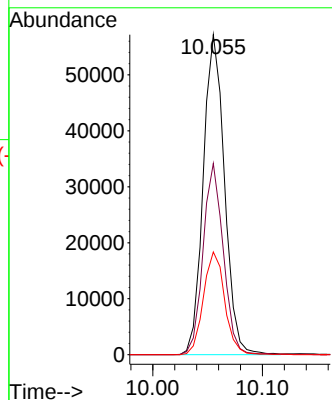
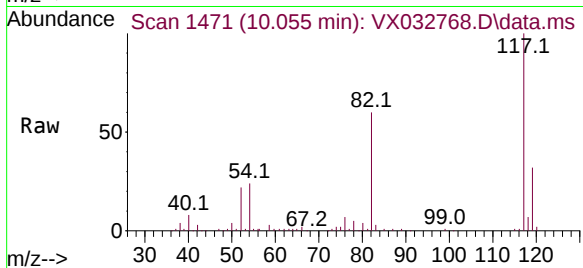
Tgt Ion:117 Resp: 77122

Ion Ratio Lower Upper

117 100

82 56.7 40.0 60.0

119 32.1 26.0 39.0



#58

4-Methyl-2-Pentanone

Concen: 0.207 ug/l

RT: 8.659 min Scan# 1242

Delta R.T. 0.086 min

Lab File: VX032768.D

Acq: 11 Nov 2022 12:42

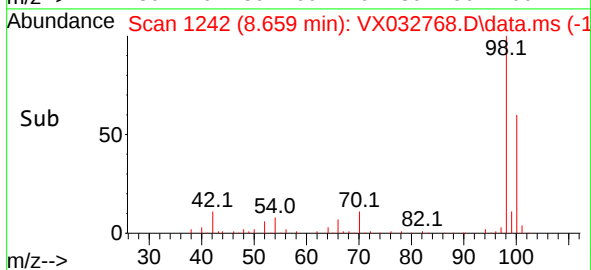
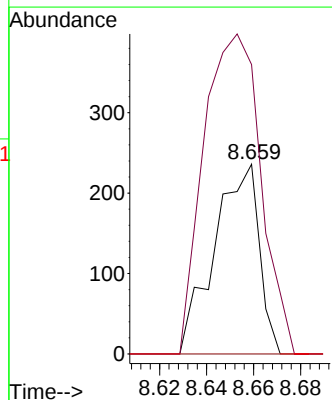
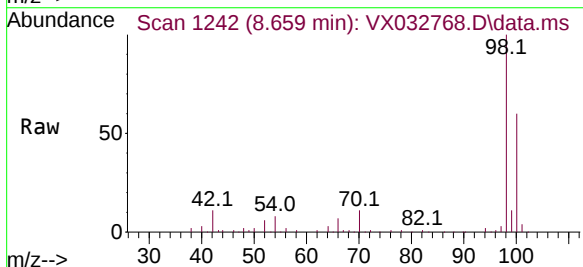
Tgt Ion: 43 Resp: 313

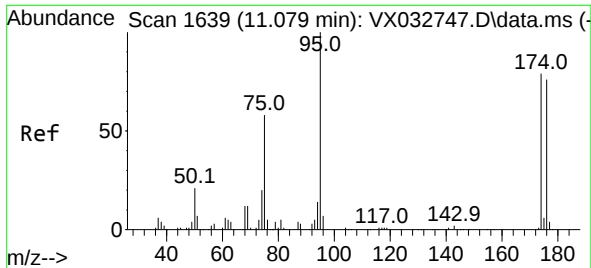
Ion Ratio Lower Upper

43 100

58 214.4 34.9 52.3#

85 0.0 19.4 29.2#

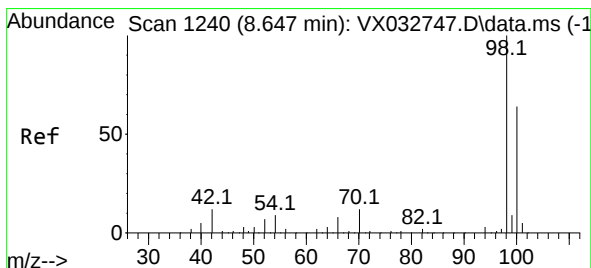
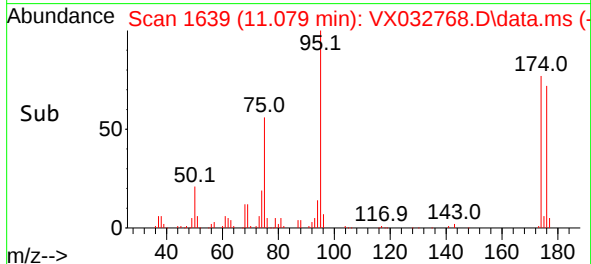
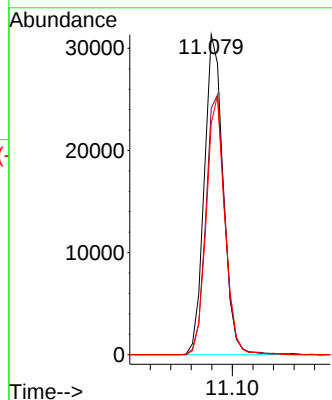
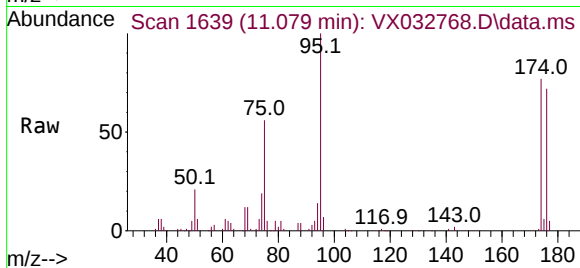




#60
4-Bromofluorobenzene
Concen: 27.109 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX032768.D
Acq: 11 Nov 2022 12:42

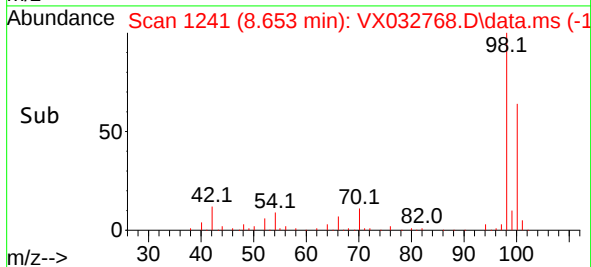
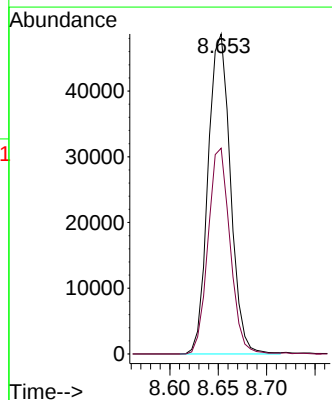
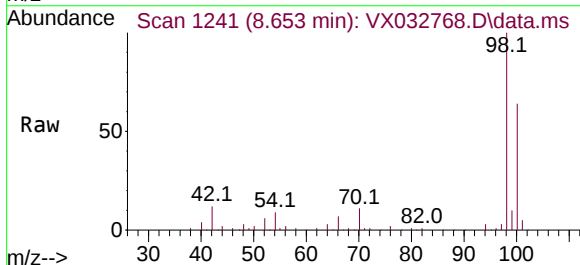
Instrument :
MSVOA_X
ClientSampleId :
B-3(OW)

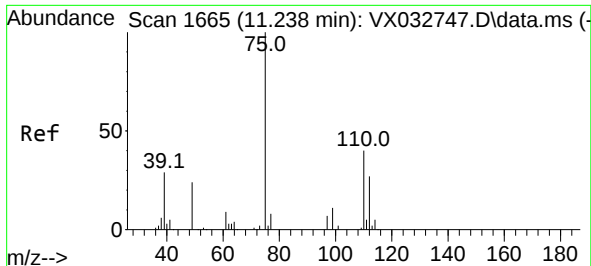
Tgt Ion: 95 Resp: 39992
Ion Ratio Lower Upper
95 100
174 82.3 68.2 102.2
176 79.2 68.1 102.1



#63
Toluene-d8
Concen: 30.094 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX032768.D
Acq: 11 Nov 2022 12:42

Tgt Ion: 98 Resp: 78326
Ion Ratio Lower Upper
98 100
100 63.1 53.8 80.8

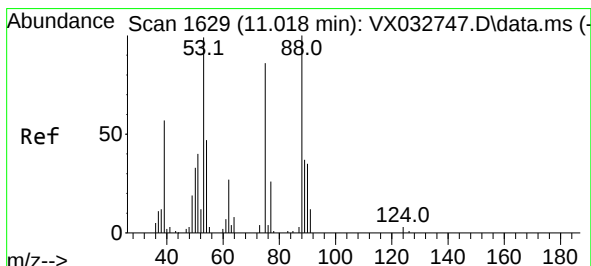
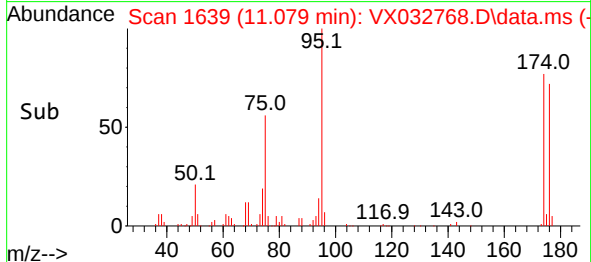
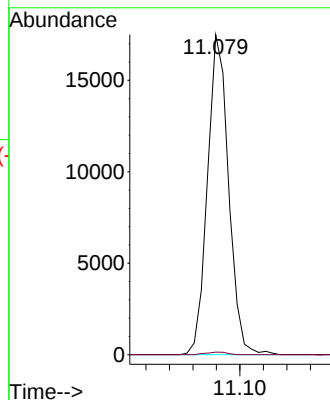
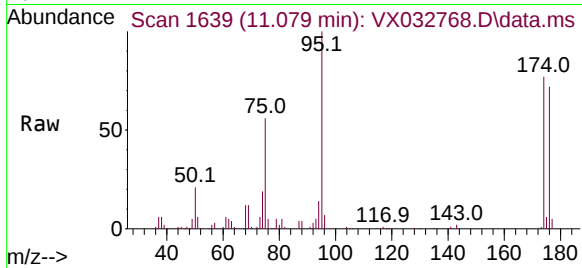




#72
1,2,3-Trichloropropane
Concen: 14.470 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX032768.D
Acq: 11 Nov 2022 12:42

Instrument :
MSVOA_X
ClientSampleId :
B-3(OW)

Tgt Ion: 75 Resp: 21862
Ion Ratio Lower Upper
75 100
77 0.8 0.0 76.6



#77
t-1,4-Dichloro-2-butene
Concen: 47.418 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032768.D
Acq: 11 Nov 2022 12:42

Tgt Ion: 75 Resp: 21862
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.4#
89 0.0 22.9 68.8#

