

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111122\
 Data File : VX032778.D
 Acq On : 11 Nov 2022 16:34
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Nov 14 05:14:18 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)

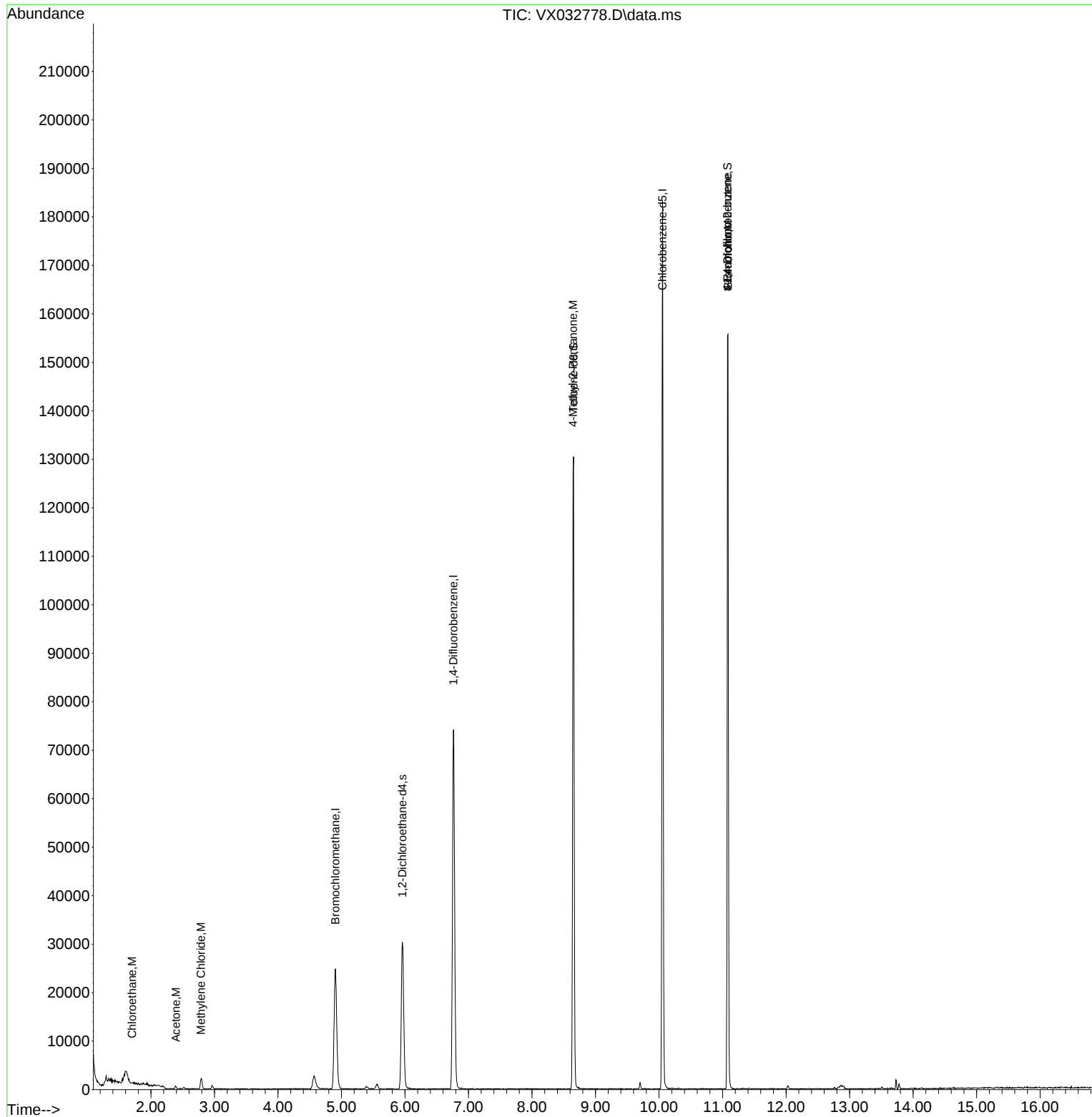
Internal Standards						
1) Bromochloromethane	4.903	128	10462	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	75139	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	78022	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	31627	31.336	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.467%
60) 4-Bromofluorobenzene	11.079	95	40513	27.145	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.500%
63) Toluene-d8	8.653	98	78970	29.992	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.967%
Target Compounds						
					Qvalue	
6) Chloroethane	1.703	64	187	0.228	ug/l #	37
15) Acetone	2.392	58	109	0.776	ug/l #	11
18) Methylene Chloride	2.788	84	1087	0.926	ug/l #	83
56) Bromoform	11.085	173	329	0.339	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	384	0.251	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	22252	47.707	ug/l #	8

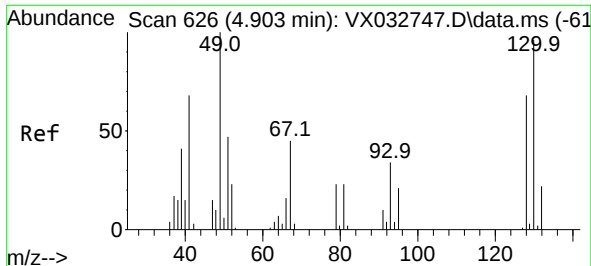
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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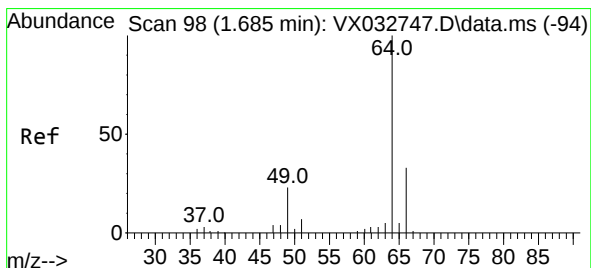
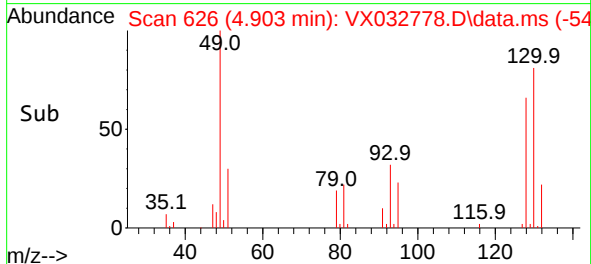
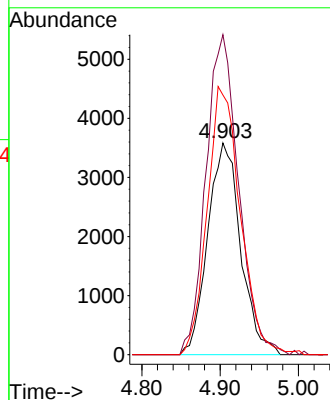
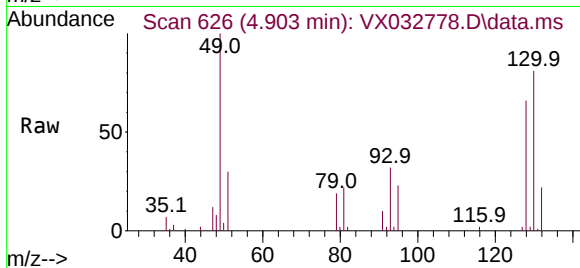




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX032778.D
Acq: 11 Nov 2022 16:34

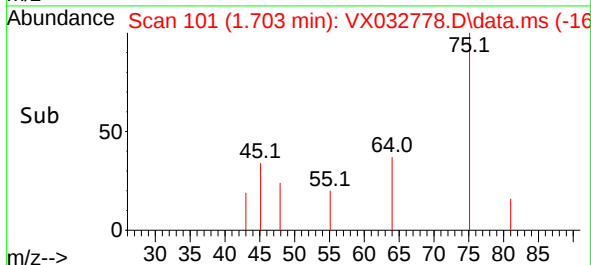
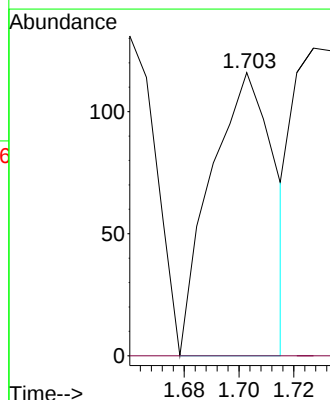
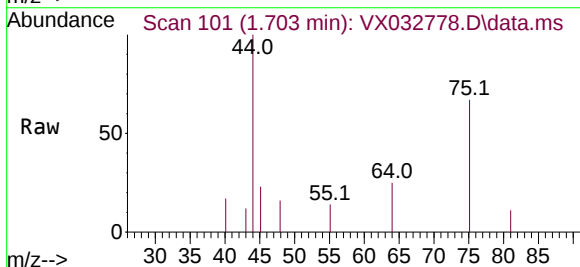
Instrument :
MSVOA_X
ClientSampleId :
IBLK

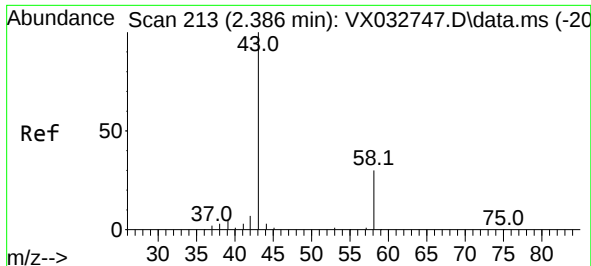
Tgt Ion:128 Resp: 10462
Ion Ratio Lower Upper
128 100
49 150.3 0.0 293.0
130 127.4 0.0 321.5



#6
Chloroethane
Concen: 0.228 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.018 min
Lab File: VX032778.D
Acq: 11 Nov 2022 16:34

Tgt Ion: 64 Resp: 187
Ion Ratio Lower Upper
64 100
66 0.0 30.6 46.0#





#15

Acetone

Concen: 0.776 ug/l

RT: 2.392 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX032778.D

Acq: 11 Nov 2022 16:34

Instrument :

MSVOA_X

ClientSampleId :

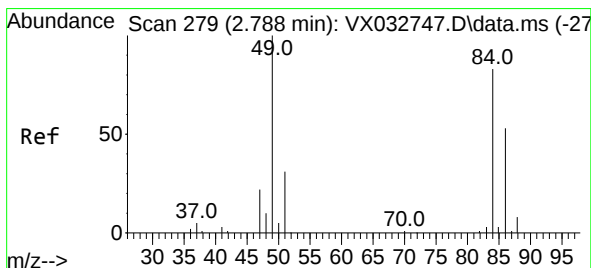
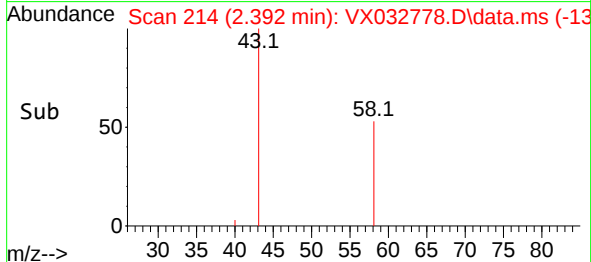
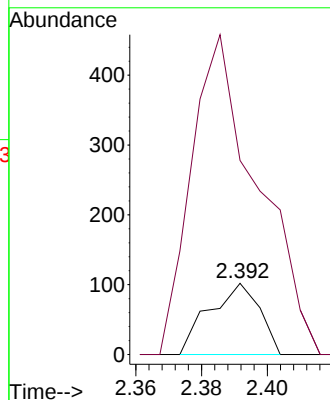
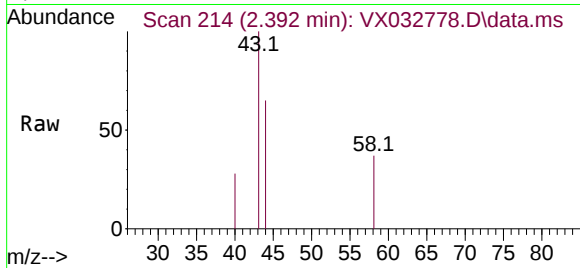
IBLK

Tgt Ion: 58 Resp: 109

Ion Ratio Lower Upper

58 100

43 127.5 242.6 364.0#



#18

Methylene Chloride

Concen: 0.926 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX032778.D

Acq: 11 Nov 2022 16:34

Tgt Ion: 84 Resp: 1087

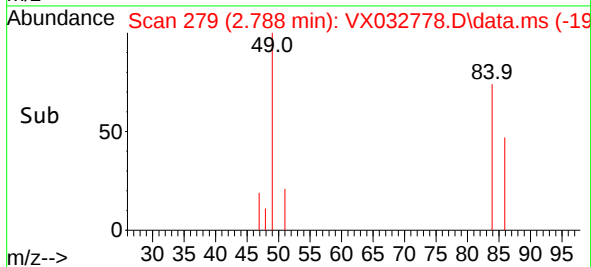
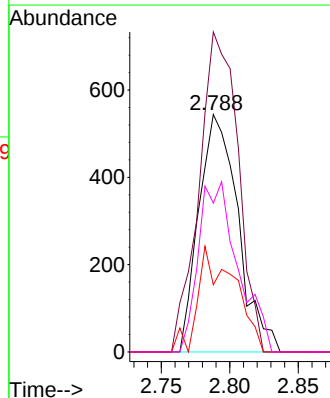
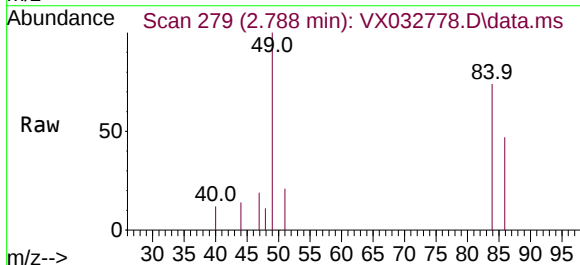
Ion Ratio Lower Upper

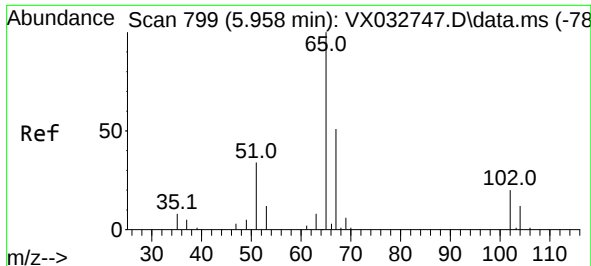
84 100

49 134.7 84.6 127.0#

51 28.3 26.5 39.7

86 62.7 53.4 80.2





#27

1,2-Dichloroethane-d4

Concen: 31.336 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX032778.D

Acq: 11 Nov 2022 16:34

Instrument :

MSVOA_X

ClientSampleId :

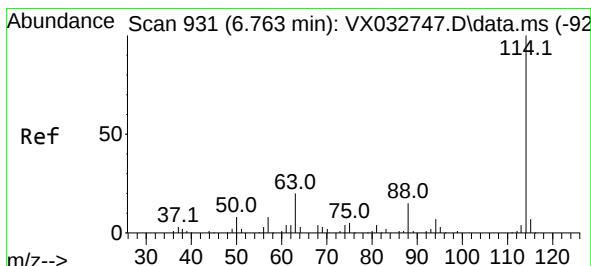
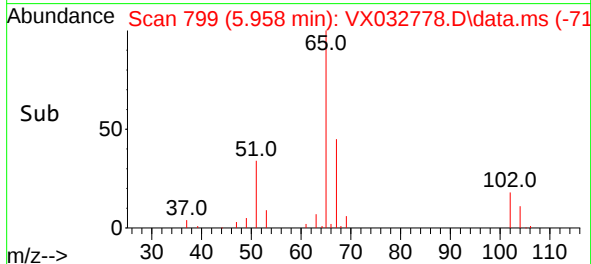
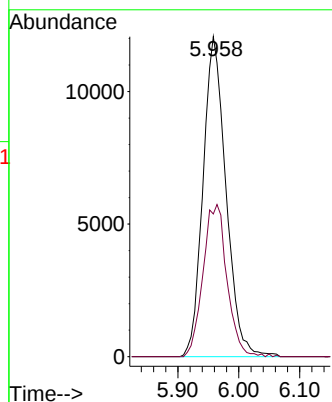
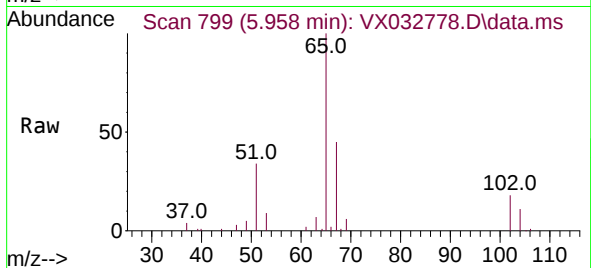
IBLK

Tgt Ion: 65 Resp: 31627

Ion Ratio Lower Upper

65 100

67 49.3 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: VX032778.D

Acq: 11 Nov 2022 16:34

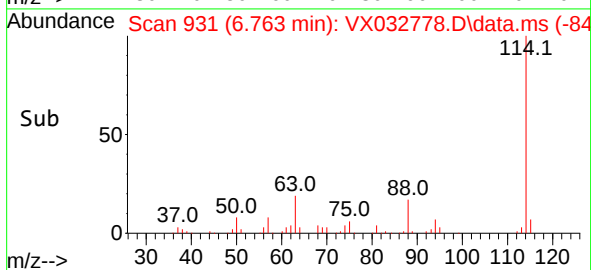
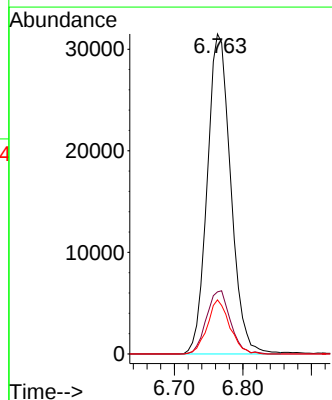
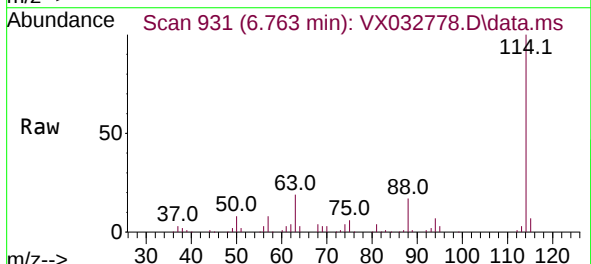
Tgt Ion: 114 Resp: 75139

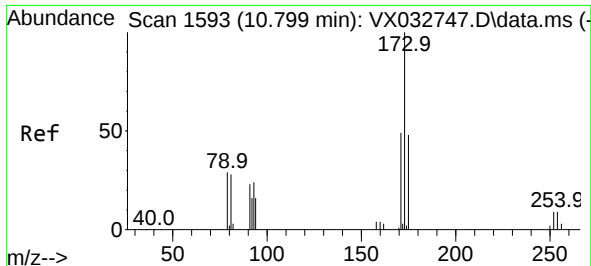
Ion Ratio Lower Upper

114 100

63 19.9 13.6 20.4

88 16.0 11.8 17.6

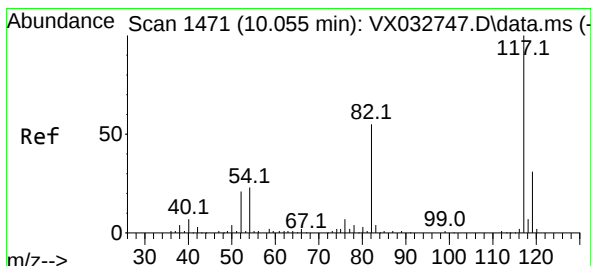
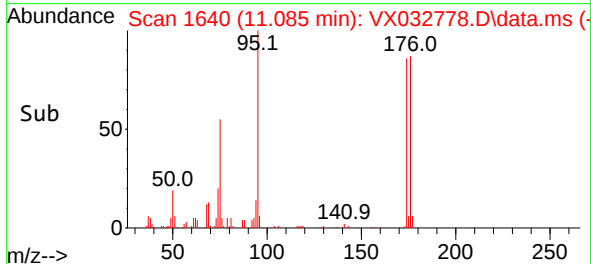
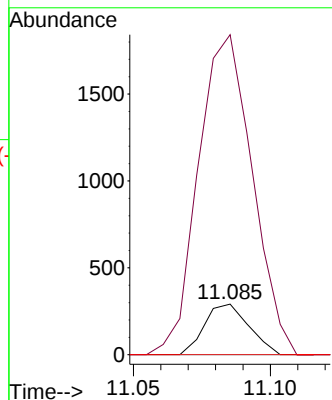
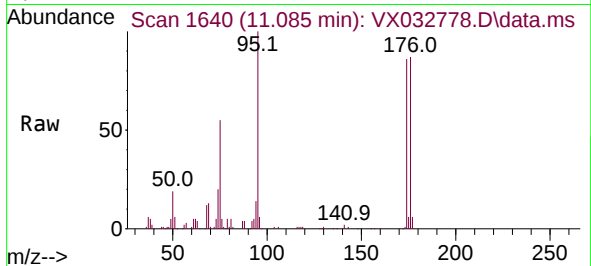




#56
Bromoform
Concen: 0.339 ug/l
RT: 11.085 min Scan# 110
Delta R.T. 0.287 min
Lab File: VX032778.D
Acq: 11 Nov 2022 16:34

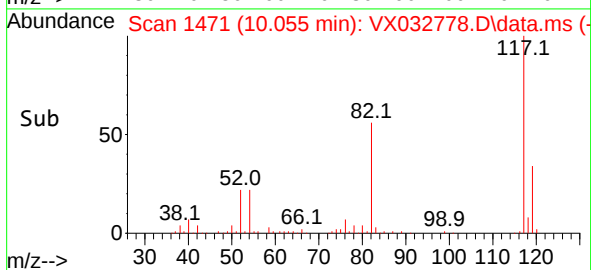
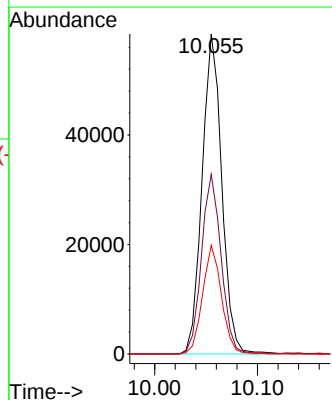
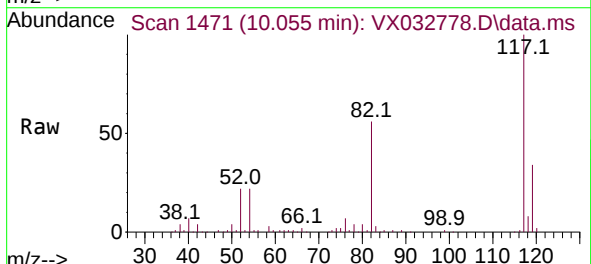
Instrument :
MSVOA_X
ClientSampleId :
IBLK

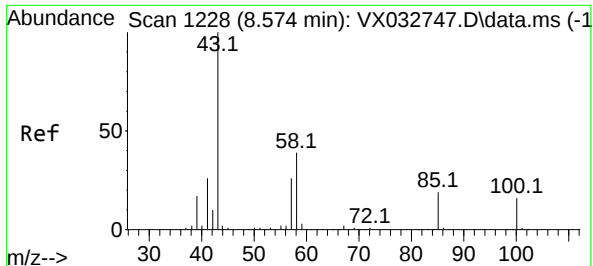
Tgt Ion:173 Resp: 329
Ion Ratio Lower Upper
173 100
175 769.0 38.6 58.0#
254 0.0 6.8 10.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032778.D
Acq: 11 Nov 2022 16:34

Tgt Ion:117 Resp: 78022
Ion Ratio Lower Upper
117 100
82 55.7 40.0 60.0
119 32.6 26.0 39.0





#58

4-Methyl-2-Pentanone

Concen: 0.251 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX032778.D

Acq: 11 Nov 2022 16:34

Instrument :

MSVOA_X

ClientSampleId :

IBLK

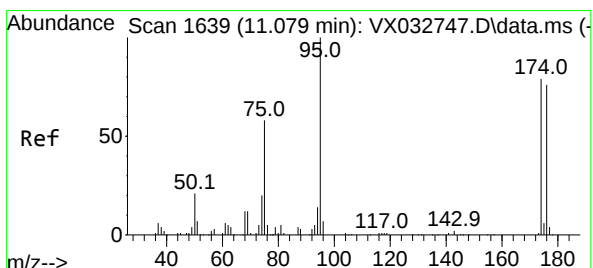
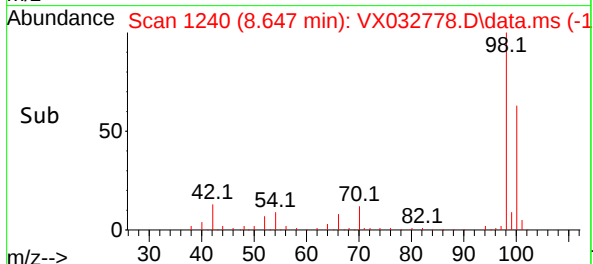
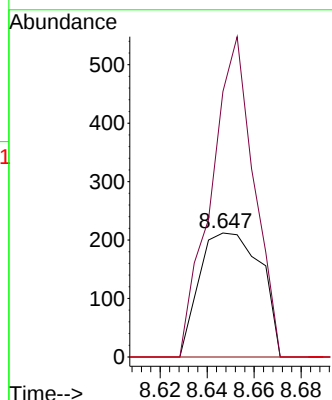
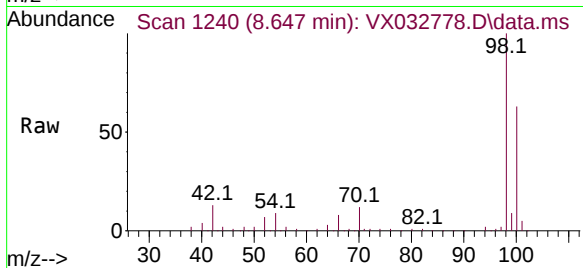
Tgt Ion: 43 Resp: 384

Ion Ratio Lower Upper

43 100

58 181.0 34.9 52.3#

85 0.0 19.4 29.2#



#60

4-Bromofluorobenzene

Concen: 27.145 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX032778.D

Acq: 11 Nov 2022 16:34

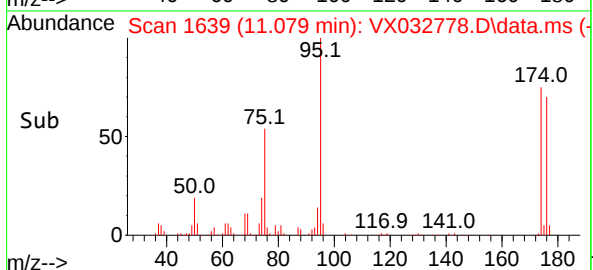
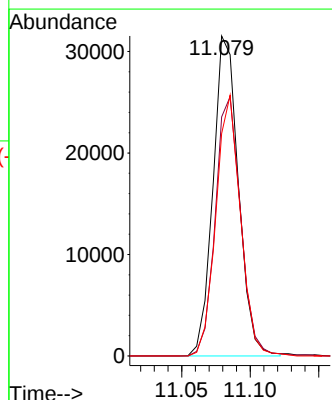
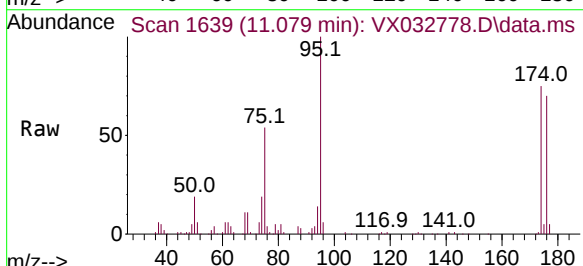
Tgt Ion: 95 Resp: 40513

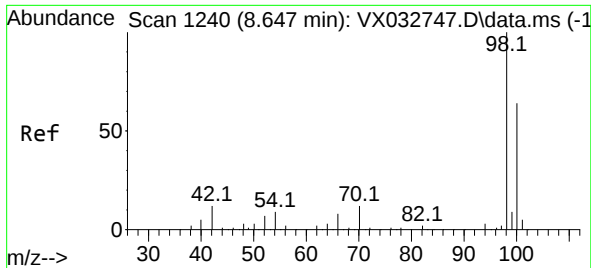
Ion Ratio Lower Upper

95 100

174 81.0 68.2 102.2

176 78.8 68.1 102.1

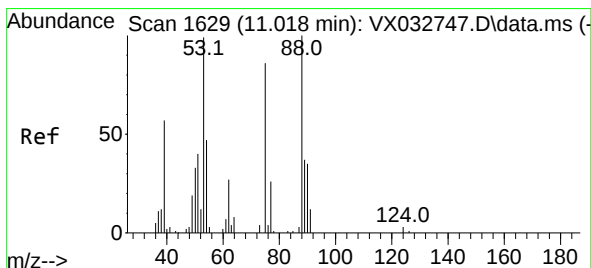
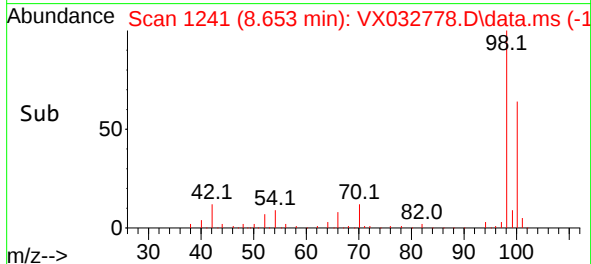
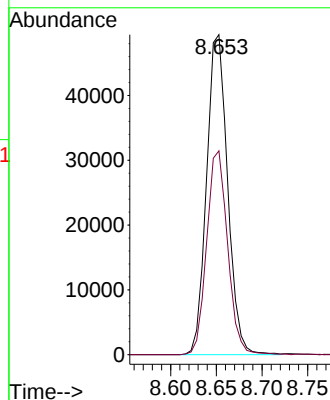
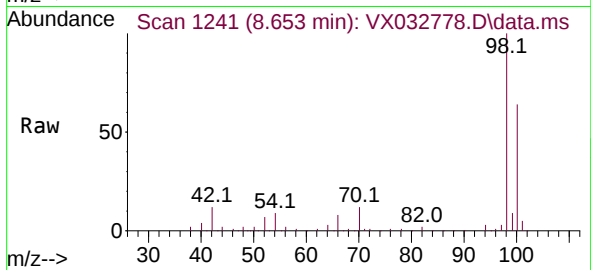




#63
Toluene-d8
Concen: 29.992 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX032778.D
Acq: 11 Nov 2022 16:34

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 98 Resp: 78970
Ion Ratio Lower Upper
98 100
100 63.4 53.8 80.8



#77
t-1,4-Dichloro-2-butene
Concen: 47.707 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032778.D
Acq: 11 Nov 2022 16:34

Tgt Ion: 75 Resp: 22252
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.4#
89 0.0 22.9 68.8#

