

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052323\
 Data File : VX035814.D
 Acq On : 23 May 2023 15:20
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: May 24 05:49:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X052323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 23 11:36:37 2023
 Response via : Initial Calibration

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

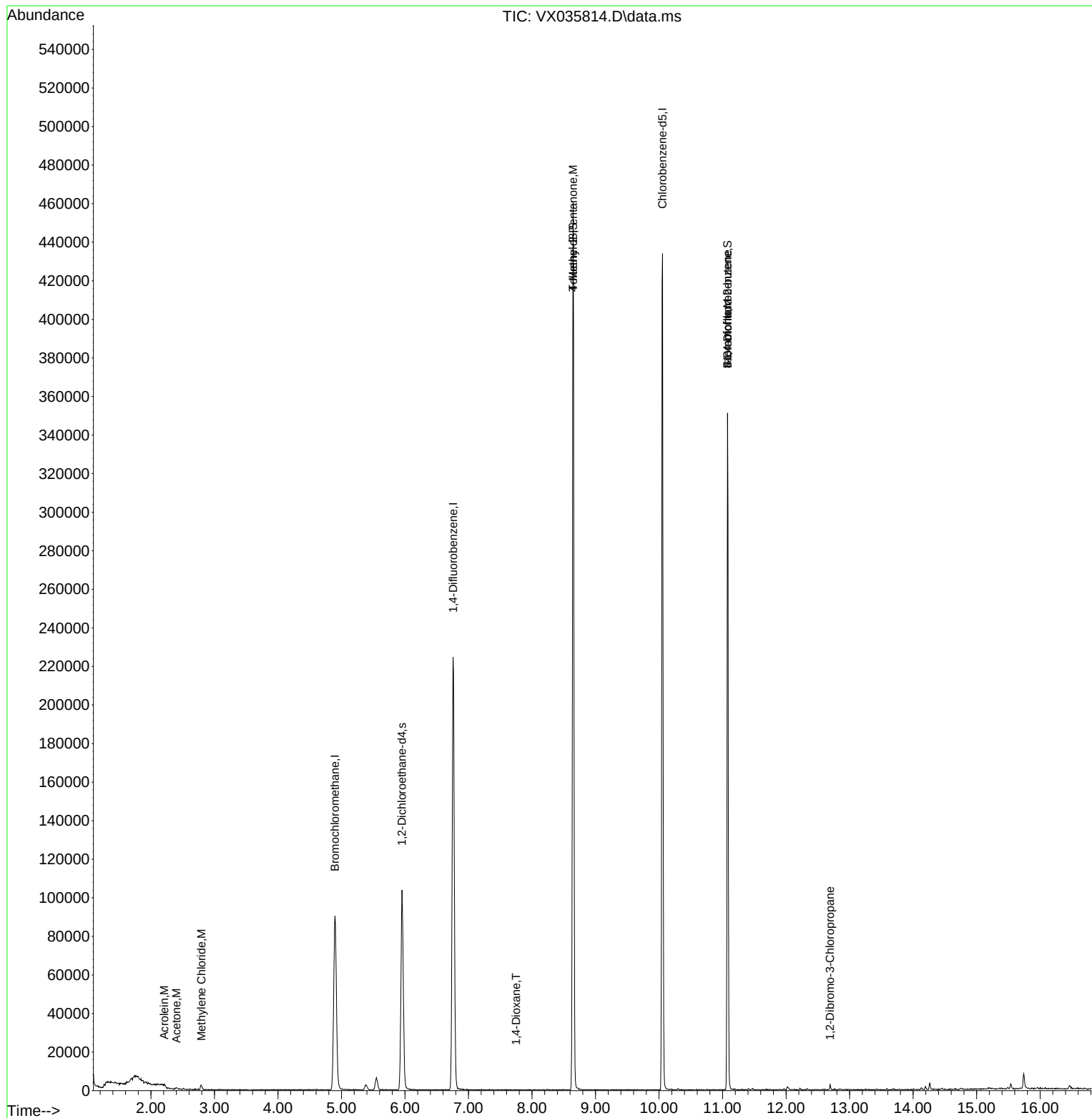
Internal Standards						
1) Bromochloromethane	4.897	128	37337	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	224104	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	194111	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	94208	30.367	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.233%
60) 4-Bromofluorobenzene	11.079	95	91128	27.978	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.267%
63) Toluene-d8	8.647	98	262116	30.545	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.800%
Target Compounds						
					Qvalue	
13) Acrolein	2.209	56	220	0.526	ug/l	100
15) Acetone	2.398	58	121	0.305	ug/l #	1
18) Methylene Chloride	2.794	84	1069	0.439	ug/l	95
45) 1,4-Dioxane	7.750	88	52	0.862	ug/l #	19
56) Bromoform	11.079	173	602	0.395	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	1285	0.341	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	47938	47.680	ug/l #	4
88) 1,2-Dibromo-3-Chloropr...	12.695	75	297	0.406	ug/l #	3

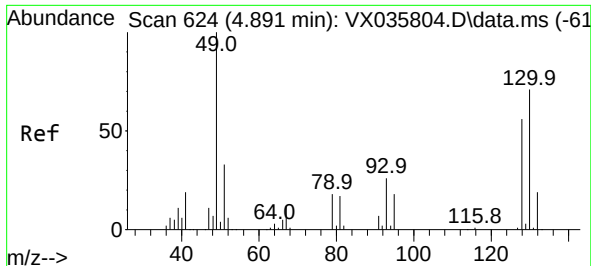
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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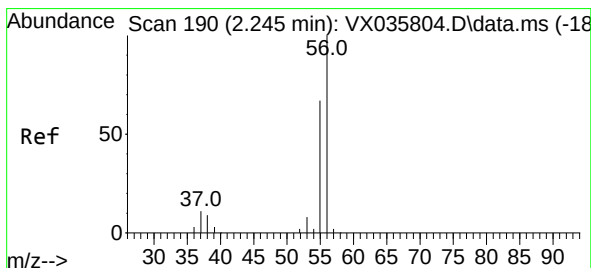
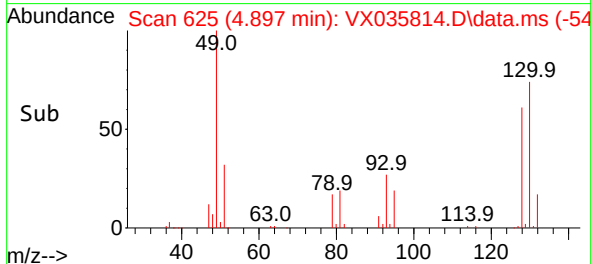
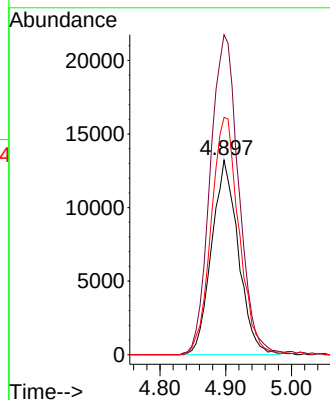
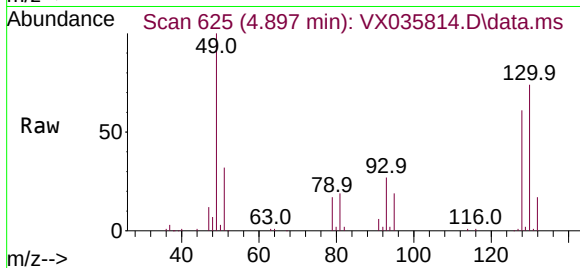




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX035814.D
Acq: 23 May 2023 15:20

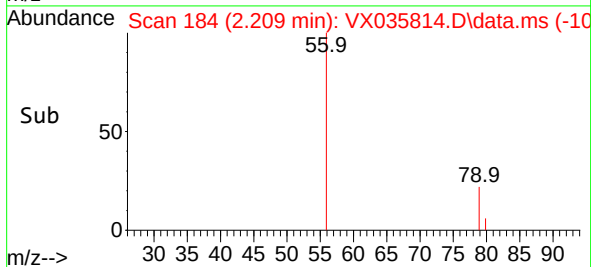
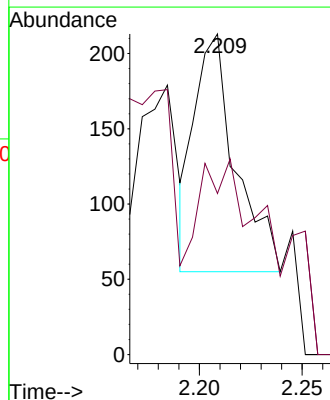
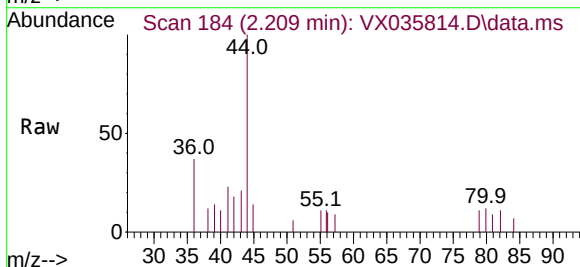
Instrument :
MSVOA_X
ClientSampleId :
IBLK

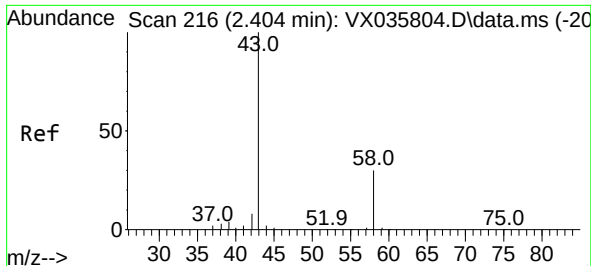
Tgt Ion:128 Resp: 37337
Ion Ratio Lower Upper
128 100
49 175.1 0.0 428.8
130 127.2 0.0 310.8



#13
Acrolein
Concen: 0.526 ug/l
RT: 2.209 min Scan# 184
Delta R.T. -0.037 min
Lab File: VX035814.D
Acq: 23 May 2023 15:20

Tgt Ion: 56 Resp: 220
Ion Ratio Lower Upper
56 100
55 70.9 56.6 85.0





#15

Acetone

Concen: 0.305 ug/l

RT: 2.398 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX035814.D

Acq: 23 May 2023 15:20

Instrument :

MSVOA_X

ClientSampleId :

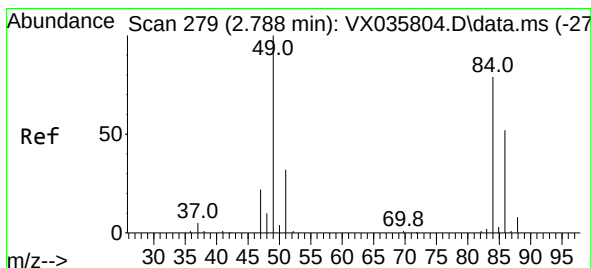
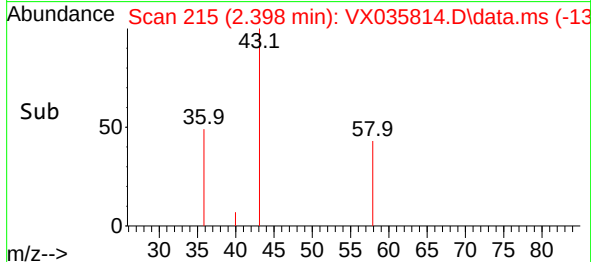
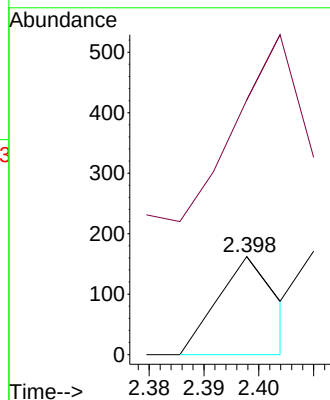
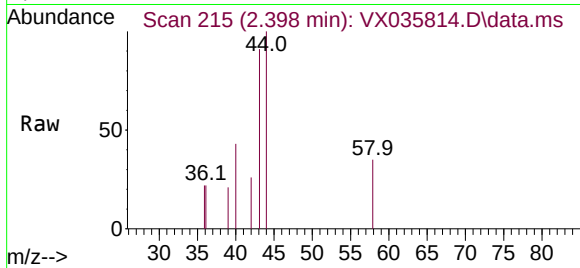
IBLK

Tgt Ion: 58 Resp: 121

Ion Ratio Lower Upper

58 100

43 124.1 270.8 406.2#



#18

Methylene Chloride

Concen: 0.439 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX035814.D

Acq: 23 May 2023 15:20

Tgt Ion: 84 Resp: 1069

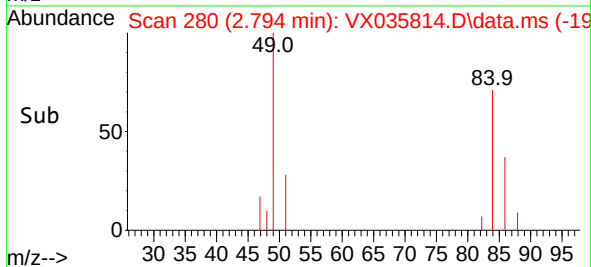
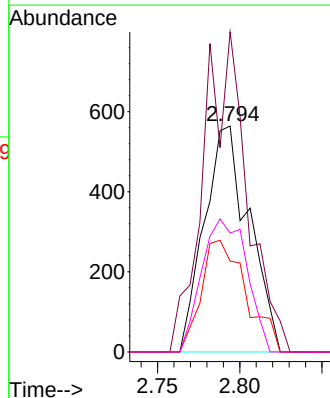
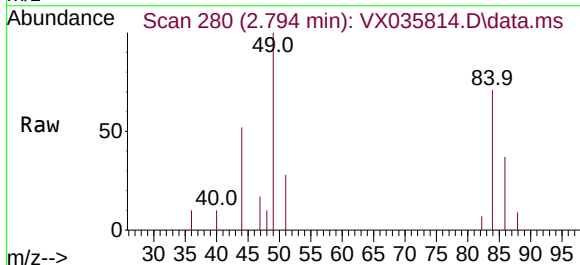
Ion Ratio Lower Upper

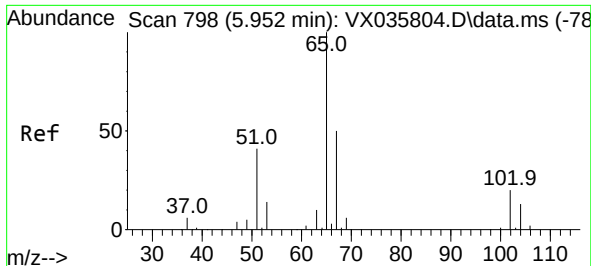
84 100

49 128.0 103.9 155.9

51 40.2 30.6 45.8

86 52.7 50.6 75.8





#27

1,2-Dichloroethane-d4

Concen: 30.367 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX035814.D

Acq: 23 May 2023 15:20

Instrument :

MSVOA_X

ClientSampleId :

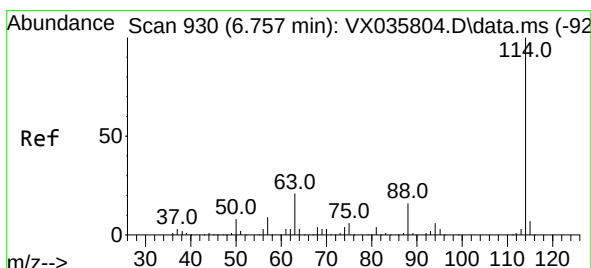
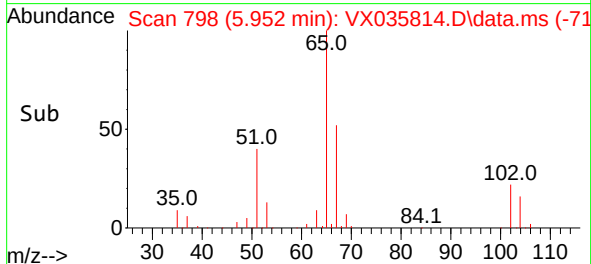
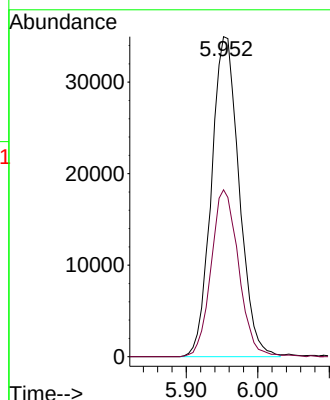
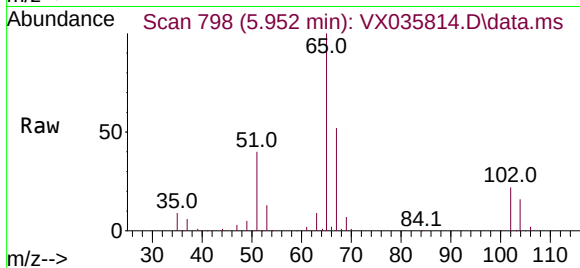
IBLK

Tgt Ion: 65 Resp: 94208

Ion Ratio Lower Upper

65 100

67 51.5 40.9 61.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX035814.D

Acq: 23 May 2023 15:20

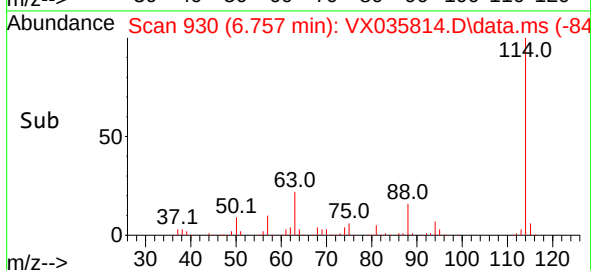
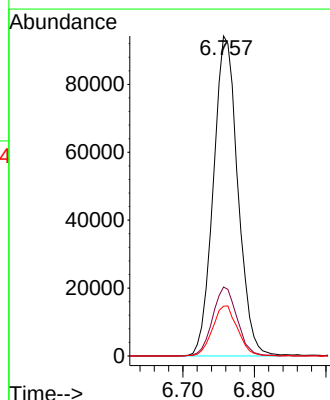
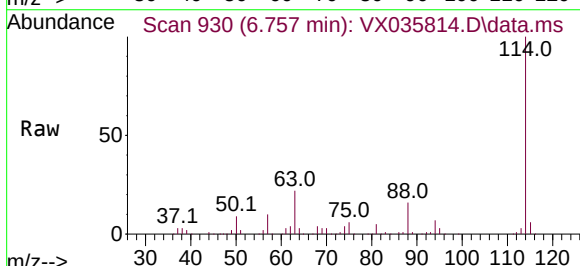
Tgt Ion: 114 Resp: 224104

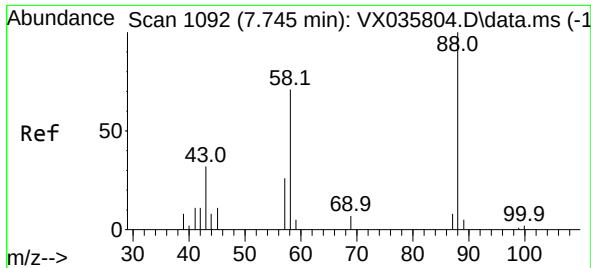
Ion Ratio Lower Upper

114 100

63 21.5 18.0 27.0

88 15.9 13.3 19.9

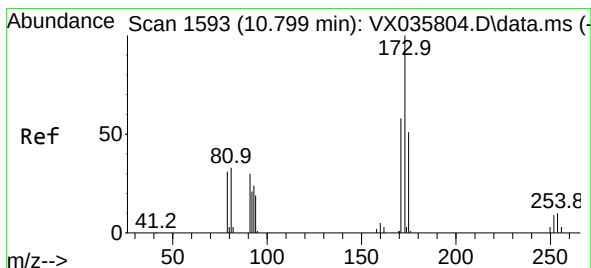
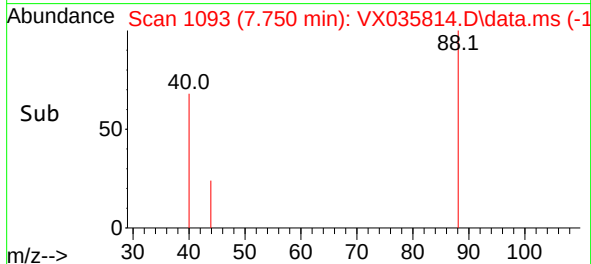
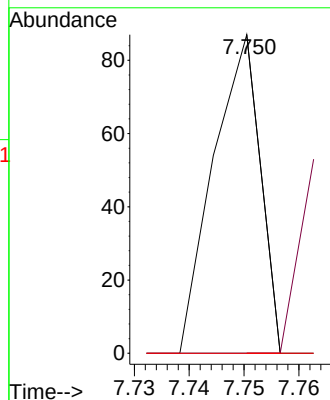
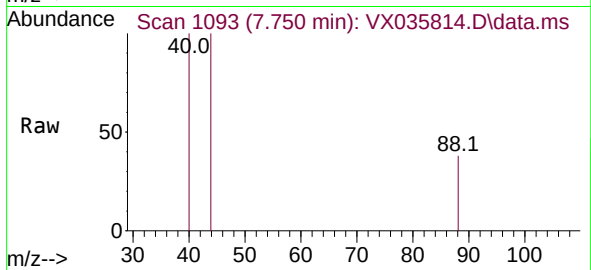




#45
1,4-Dioxane
Concen: 0.862 ug/l
RT: 7.750 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VX035814.D
Acq: 23 May 2023 15:20

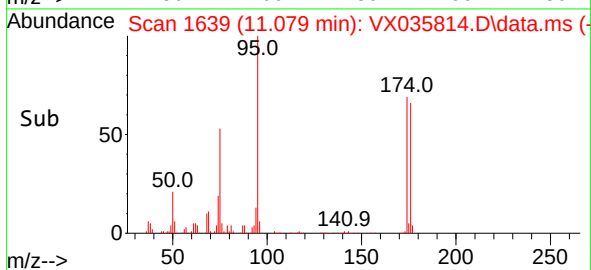
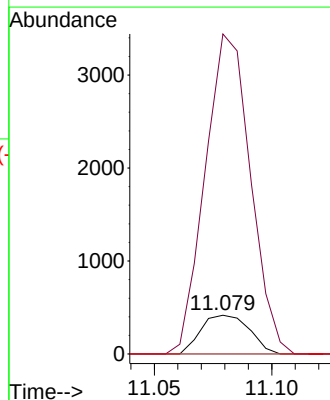
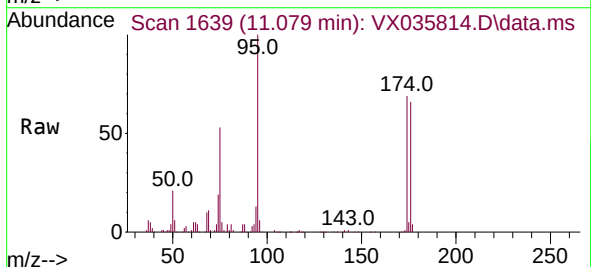
Instrument :
MSVOA_X
ClientSampleId :
IBLK

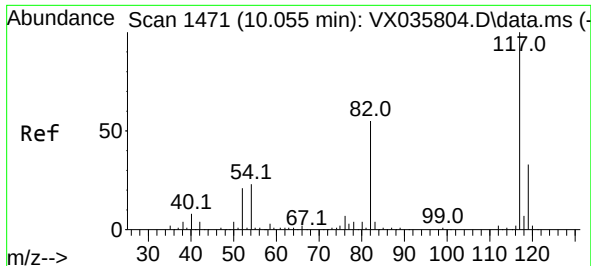
Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 75.0 26.5 39.7#
58 0.0 55.6 83.4#



#56
Bromoform
Concen: 0.395 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX035814.D
Acq: 23 May 2023 15:20

Tgt Ion: 173 Resp: 602
Ion Ratio Lower Upper
173 100
175 769.6 37.0 55.4#
254 0.0 6.7 10.1#

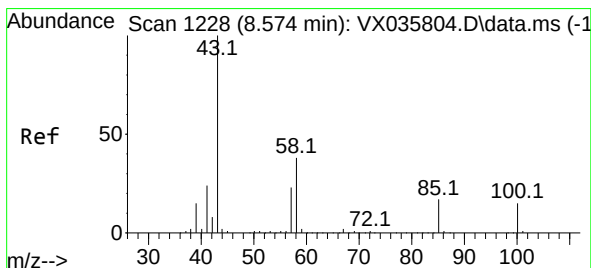
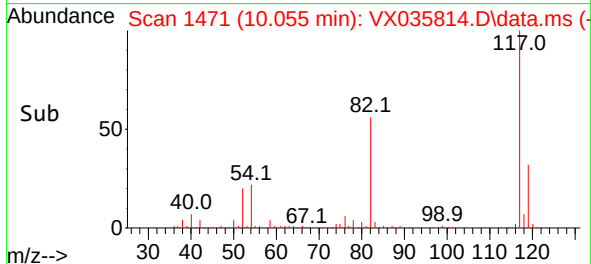
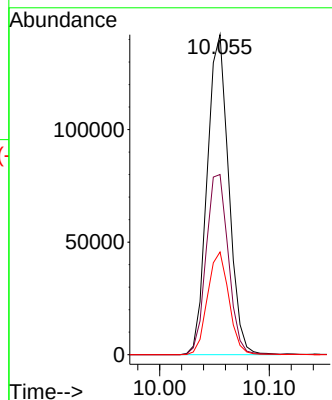
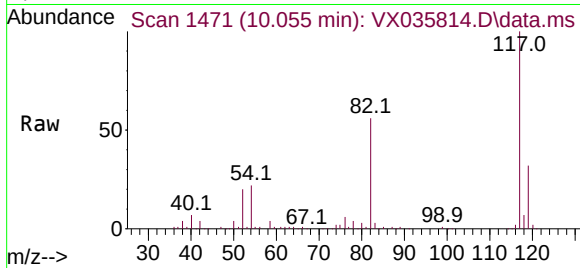




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035814.D
Acq: 23 May 2023 15:20

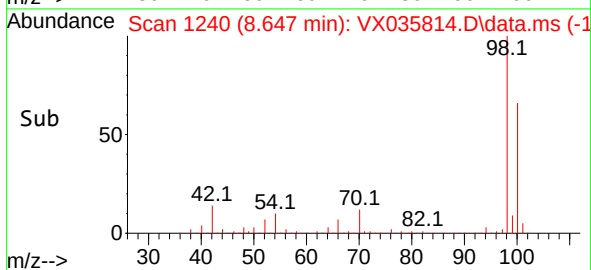
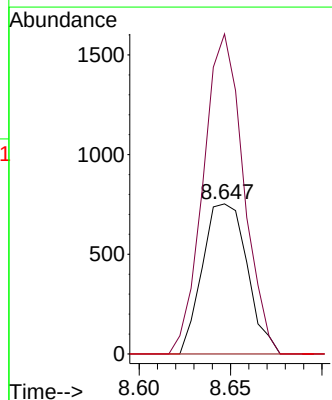
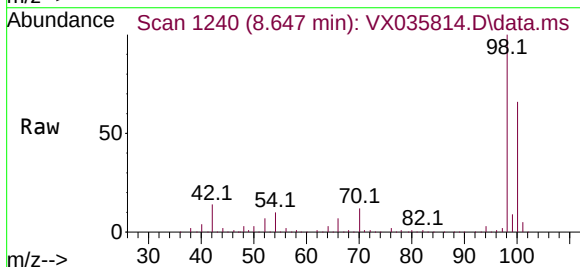
Instrument :
MSVOA_X
ClientSampleId :
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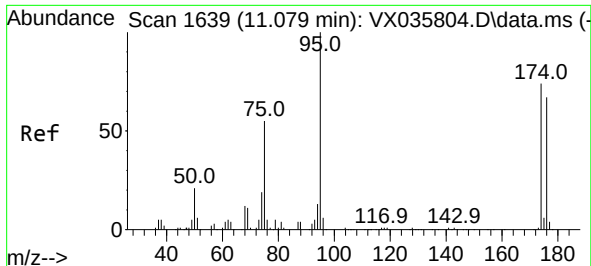
Tgt Ion:117 Resp: 194111
Ion Ratio Lower Upper
117 100
82 58.1 45.8 68.8
119 31.9 25.4 38.0



#58
4-Methyl-2-Pentanone
Concen: 0.341 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX035814.D
Acq: 23 May 2023 15:20

Tgt Ion: 43 Resp: 1285
Ion Ratio Lower Upper
43 100
58 191.6 29.9 44.9#
85 0.0 13.2 19.8#

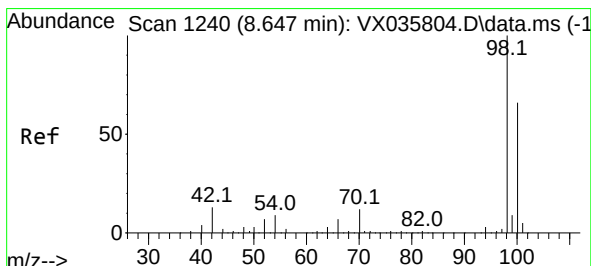
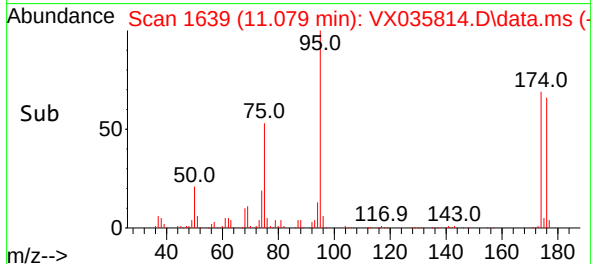
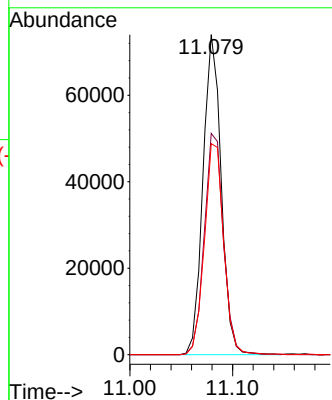
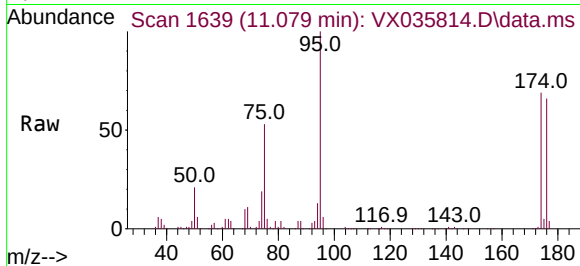




#60
4-Bromofluorobenzene
Concen: 27.978 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX035814.D
Acq: 23 May 2023 15:20

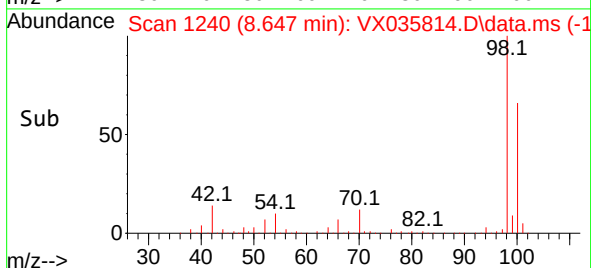
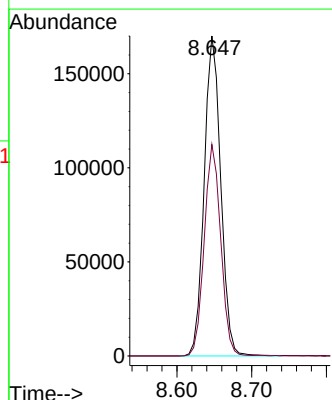
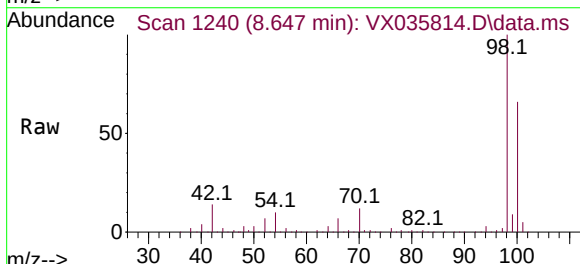
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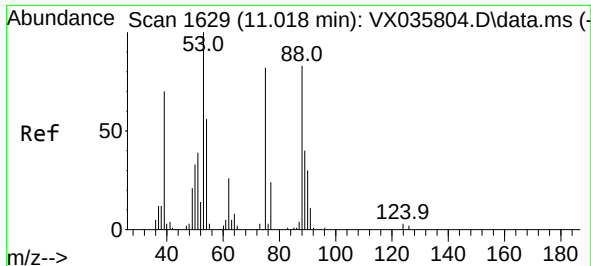
Tgt Ion: 95 Resp: 91128
Ion Ratio Lower Upper
95 100
174 72.5 0.2 0.4#
176 70.1 0.2 0.2#



#63
Toluene-d8
Concen: 30.545 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX035814.D
Acq: 23 May 2023 15:20

Tgt Ion: 98 Resp: 262116
Ion Ratio Lower Upper
98 100
100 65.6 52.1 78.1





#77

t-1,4-Dichloro-2-butene

Concen: 47.680 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX035814.D

Acq: 23 May 2023 15:20

Instrument :

MSVOA_X

ClientSampleId :

IBLK

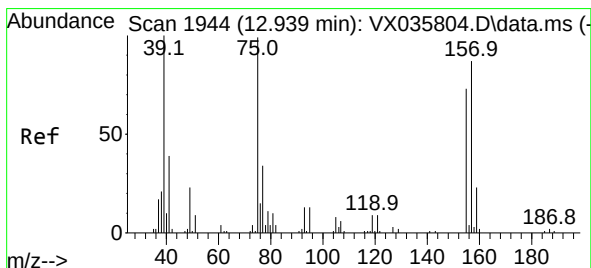
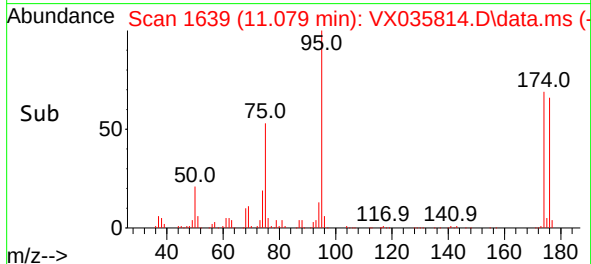
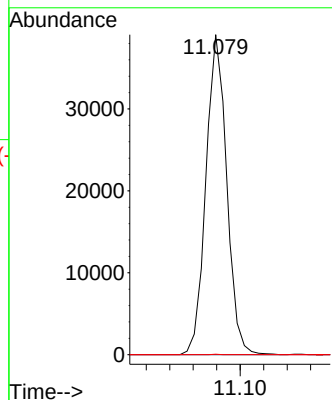
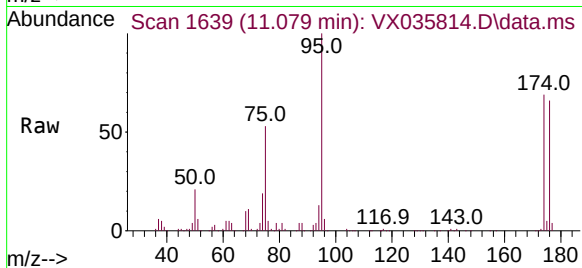
Tgt Ion: 75 Resp: 47938

Ion Ratio Lower Upper

75 100

53 0.0 58.2 174.6#

89 0.1 20.6 61.8#



#88

1,2-Dibromo-3-Chloropropane

Concen: 0.406 ug/l

RT: 12.695 min Scan# 1904

Delta R.T. -0.244 min

Lab File: VX035814.D

Acq: 23 May 2023 15:20

Tgt Ion: 75 Resp: 297

Ion Ratio Lower Upper

75 100

155 0.0 63.7 95.5#

157 0.0 83.7 125.5#

