

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052323\
 Data File : VX035821.D
 Acq On : 23 May 2023 18:02
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: May 24 05:51:48 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)

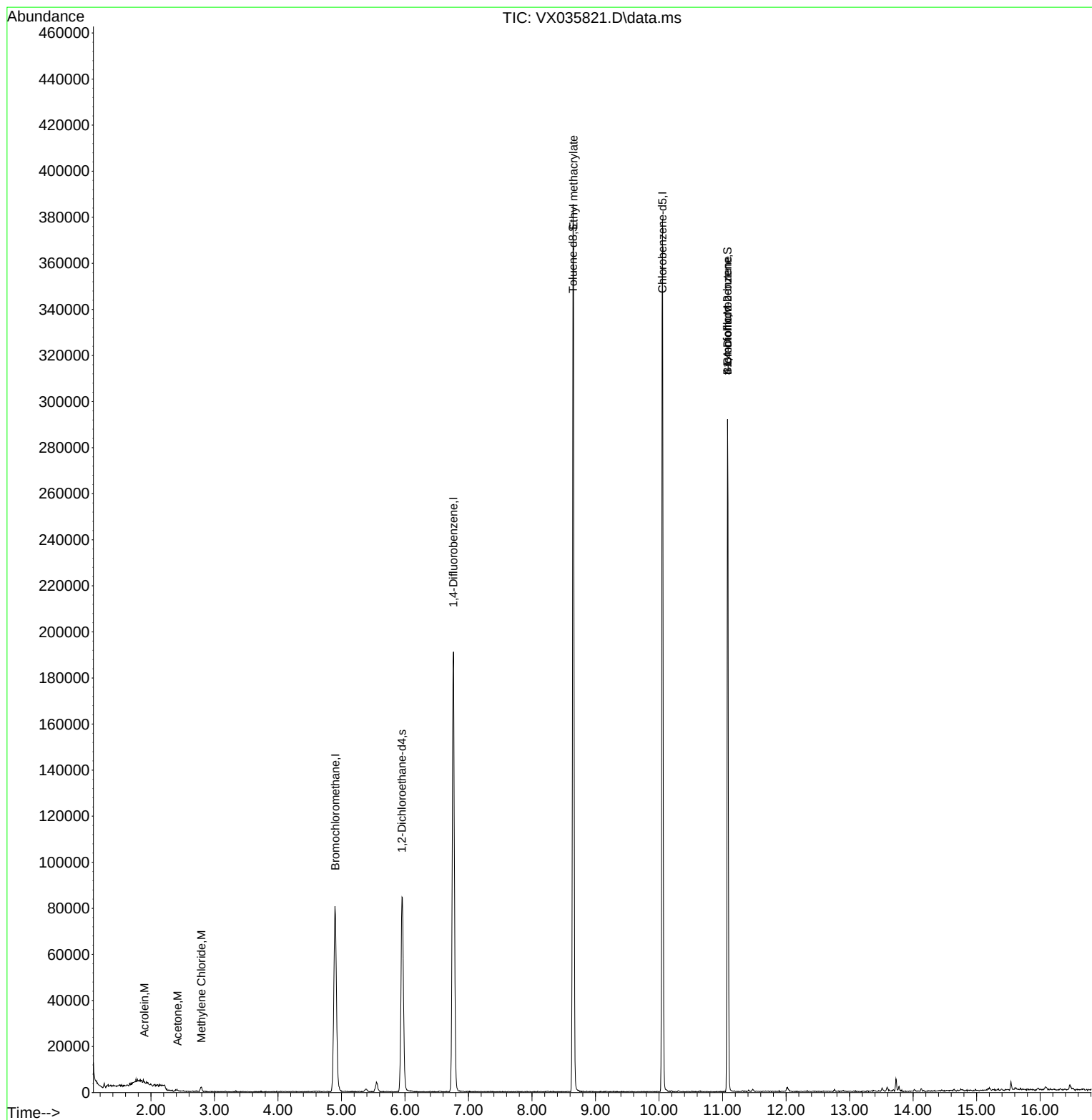
Internal Standards						
1) Bromochloromethane	4.903	128	31522	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	6.763	114	190788	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	161984	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	82208	31.387	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.633%
60) 4-Bromofluorobenzene	11.079	95	77129	28.377	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.600%
63) Toluene-d8	8.646	98	221970	30.997	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.333%
Target Compounds						
					Qvalue	
13) Acrolein	1.898	56	166	0.470	ug/l	92
15) Acetone	2.416	58	195	0.582	ug/l #	1
18) Methylene Chloride	2.794	84	976	0.474	ug/l #	79
51) Ethyl methacrylate	8.652	69	676	0.201	ug/l	91
56) Bromoform	11.079	173	561	0.432	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	41594	49.575	ug/l #	4

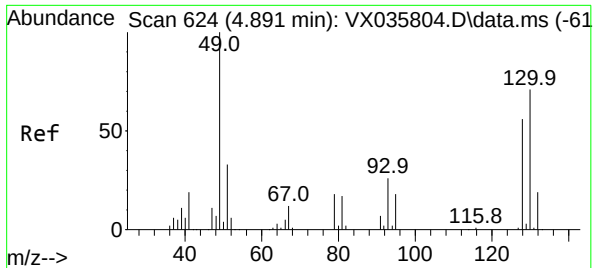
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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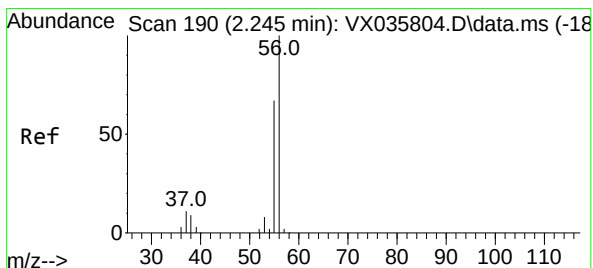
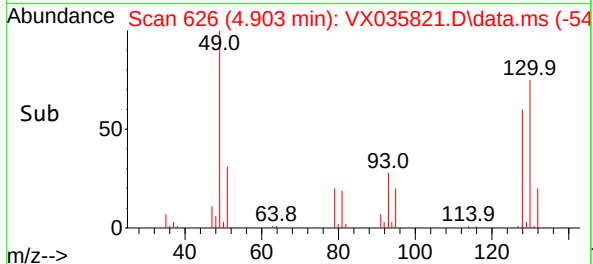
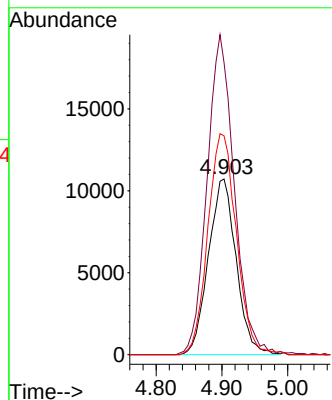
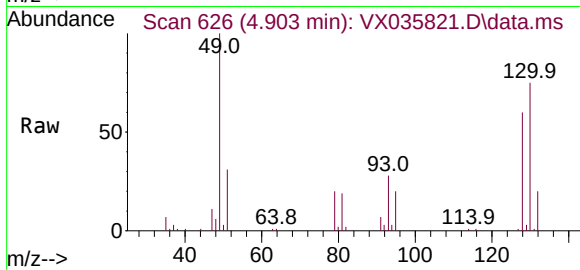




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX035821.D
Acq: 23 May 2023 18:02

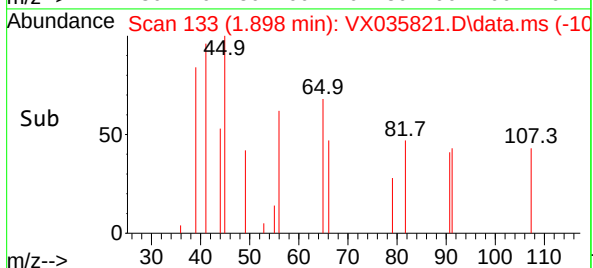
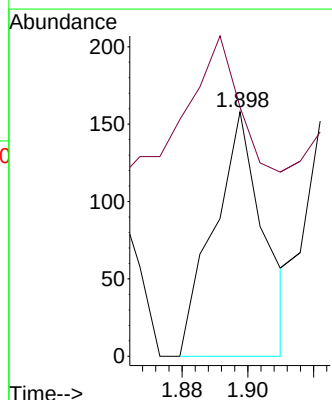
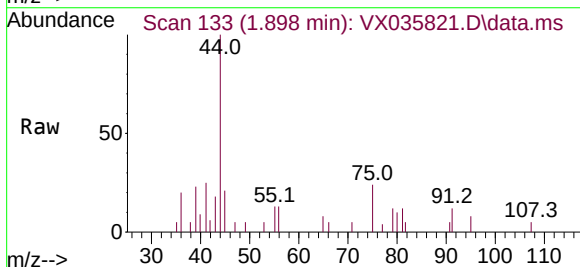
Instrument :
MSVOA_X
ClientSampleId :
IBLK

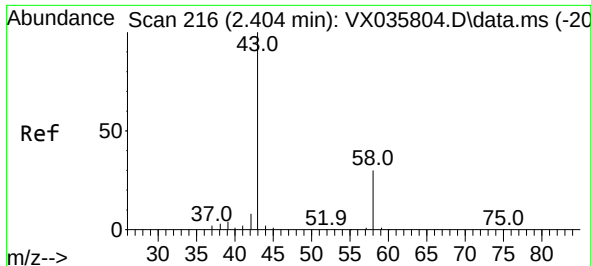
Tgt Ion:128 Resp: 31522
Ion Ratio Lower Upper
128 100
49 177.7 0.0 428.8
130 129.1 0.0 310.8



#13
Acrolein
Concen: 0.470 ug/l
RT: 1.898 min Scan# 133
Delta R.T. -0.348 min
Lab File: VX035821.D
Acq: 23 May 2023 18:02

Tgt Ion: 56 Resp: 166
Ion Ratio Lower Upper
56 100
55 77.1 56.6 85.0





#15

Acetone

Concen: 0.582 ug/l

RT: 2.416 min Scan# 216

Delta R.T. 0.012 min

Lab File: VX035821.D

Acq: 23 May 2023 18:02

Instrument :

MSVOA_X

ClientSampleId :

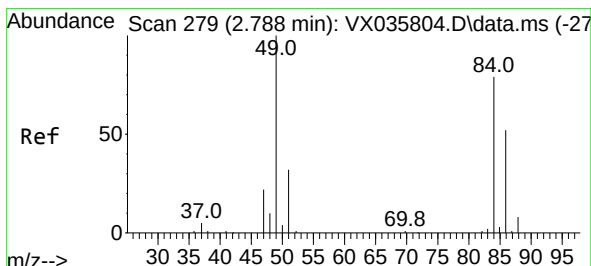
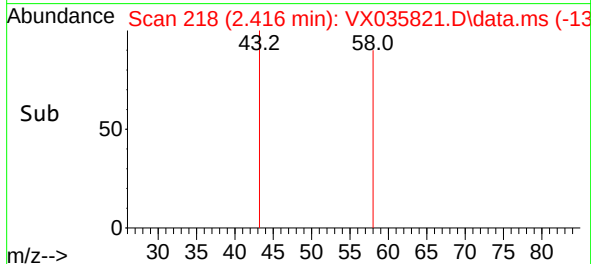
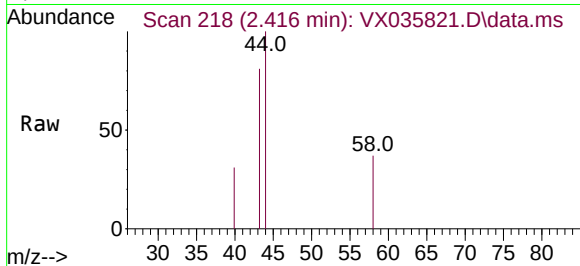
IBLK

Tgt Ion: 58 Resp: 195

Ion Ratio Lower Upper

58 100

43 71.1 270.8 406.2#



#18

Methylene Chloride

Concen: 0.474 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX035821.D

Acq: 23 May 2023 18:02

Tgt Ion: 84 Resp: 976

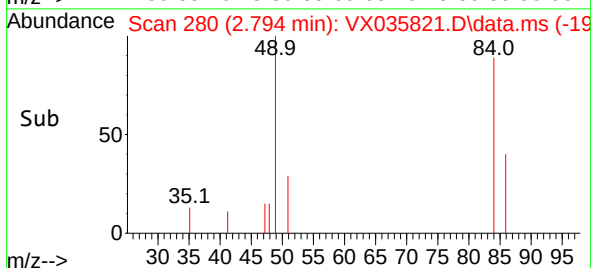
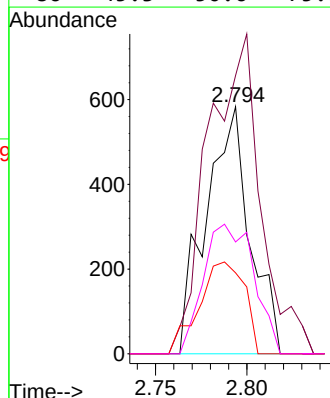
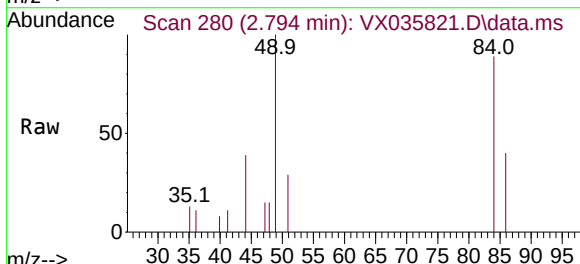
Ion Ratio Lower Upper

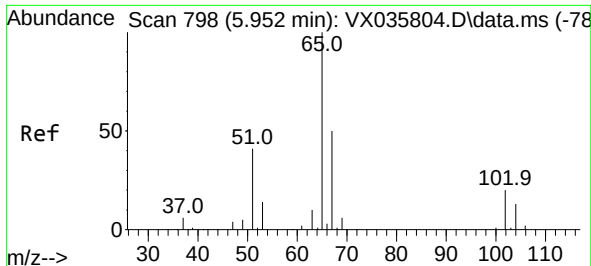
84 100

49 101.7 103.9 155.9#

51 32.8 30.6 45.8

86 45.3 50.6 75.8#





#27

1,2-Dichloroethane-d4

Concen: 31.387 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX035821.D

Acq: 23 May 2023 18:02

Instrument :

MSVOA_X

ClientSampleId :

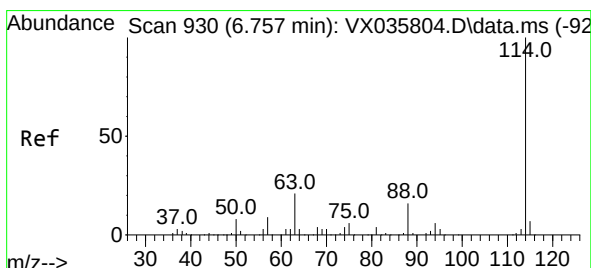
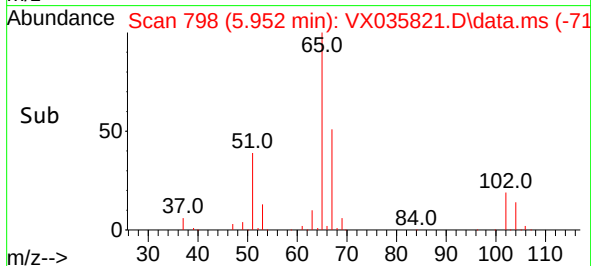
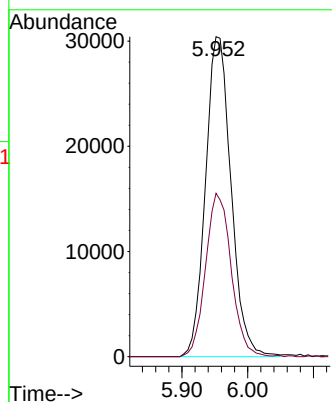
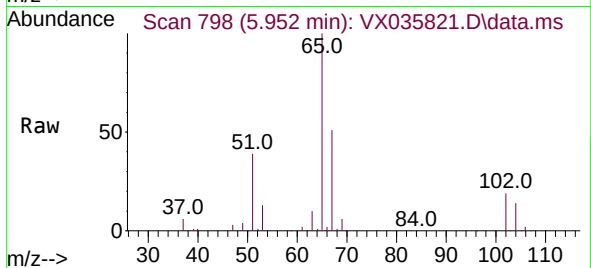
IBLK

Tgt Ion: 65 Resp: 82208

Ion Ratio Lower Upper

65 100

67 51.2 40.9 61.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX035821.D

Acq: 23 May 2023 18:02

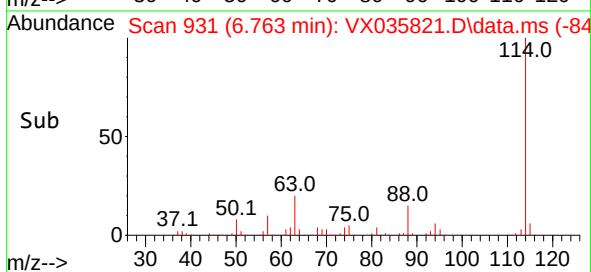
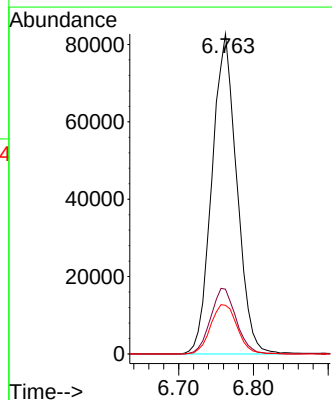
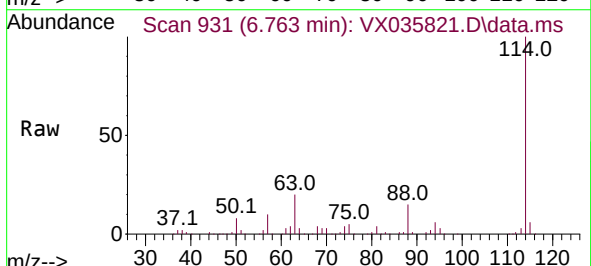
Tgt Ion: 114 Resp: 190788

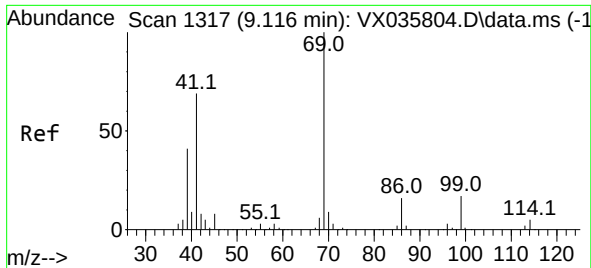
Ion Ratio Lower Upper

114 100

63 21.1 18.0 27.0

88 16.4 13.3 19.9

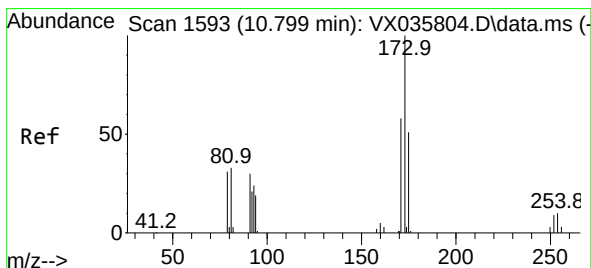
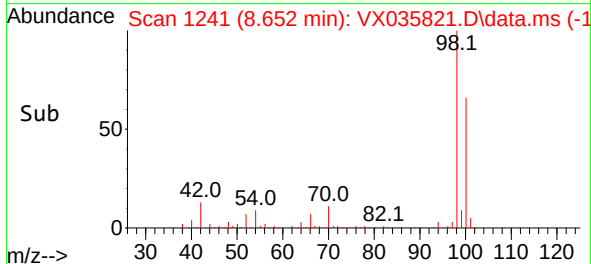
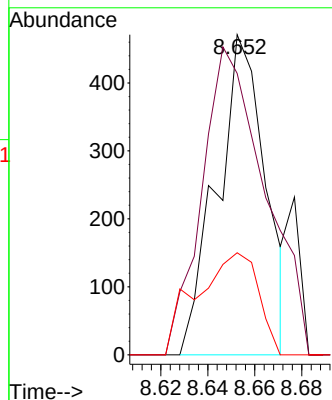
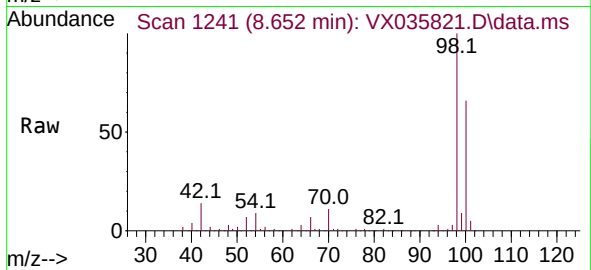




#51
Ethyl methacrylate
Concen: 0.201 ug/l
RT: 8.652 min Scan# 11
Delta R.T. -0.464 min
Lab File: VX035821.D
Acq: 23 May 2023 18:02

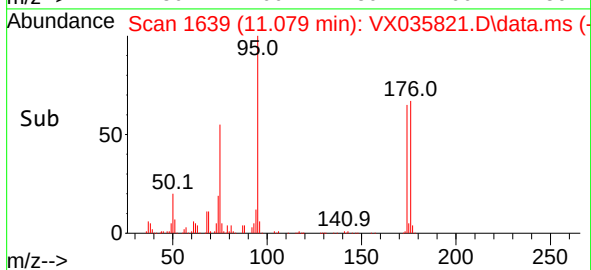
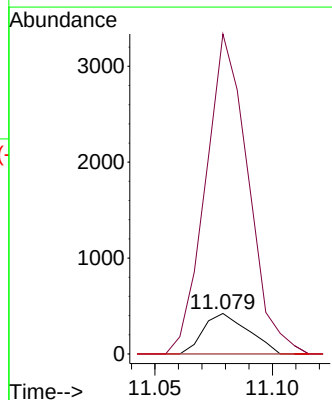
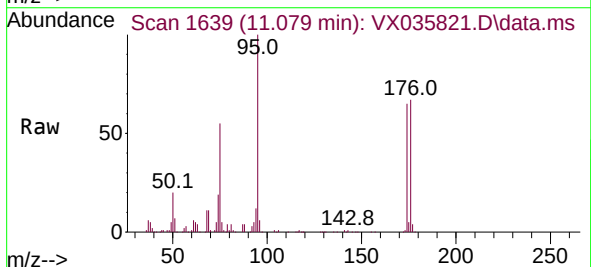
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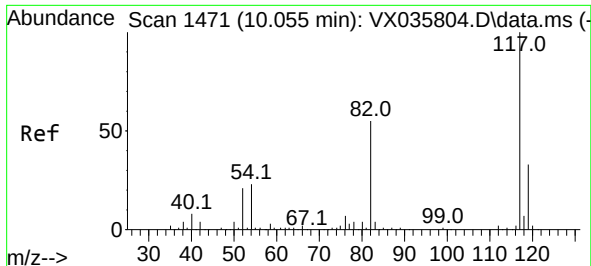
Tgt Ion: 69 Resp: 676
Ion Ratio Lower Upper
69 100
41 68.2 36.2 108.6
39 31.8 21.2 63.6



#56
Bromoform
Concen: 0.432 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX035821.D
Acq: 23 May 2023 18:02

Tgt Ion: 173 Resp: 561
Ion Ratio Lower Upper
173 100
175 751.3 37.0 55.4#
254 0.0 6.7 10.1#

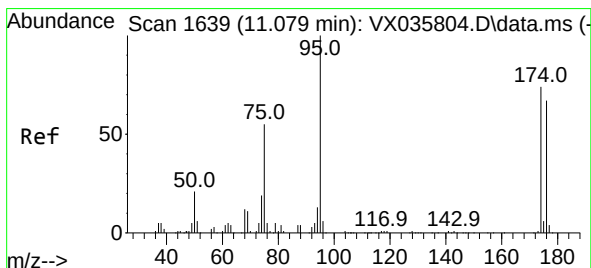
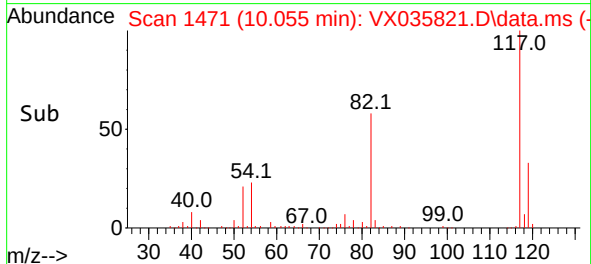
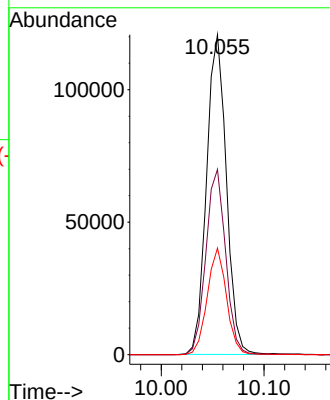
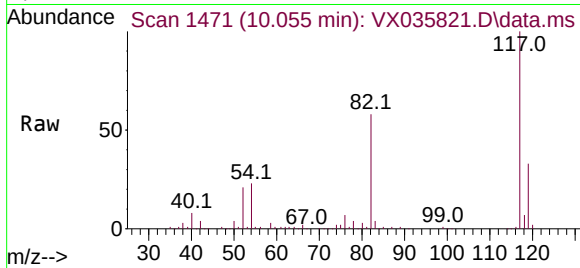




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035821.D
Acq: 23 May 2023 18:02

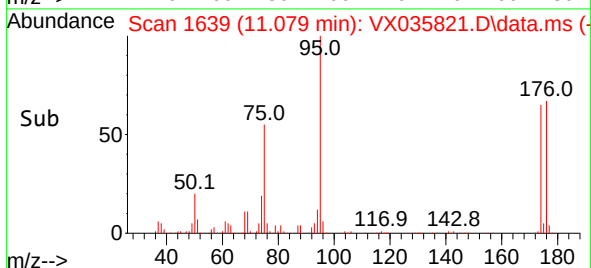
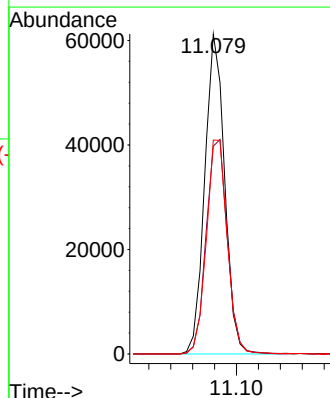
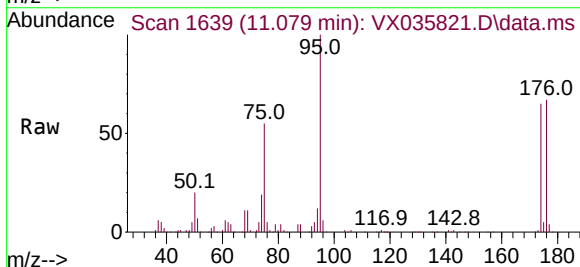
Instrument :
MSVOA_X
ClientSampleId :
IBLK

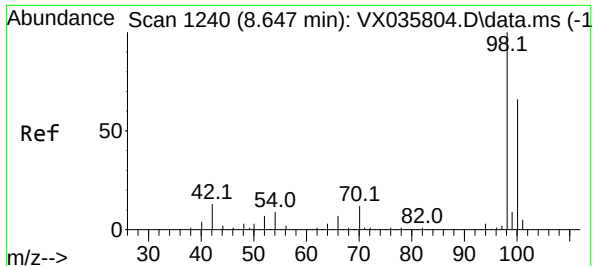
Tgt Ion:117 Resp: 161984
Ion Ratio Lower Upper
117 100
82 58.0 45.8 68.8
119 32.4 25.4 38.0



#60
4-Bromofluorobenzene
Concen: 28.377 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX035821.D
Acq: 23 May 2023 18:02

Tgt Ion: 95 Resp: 77129
Ion Ratio Lower Upper
95 100
174 71.1 0.2 0.4#
176 70.3 0.2 0.2#

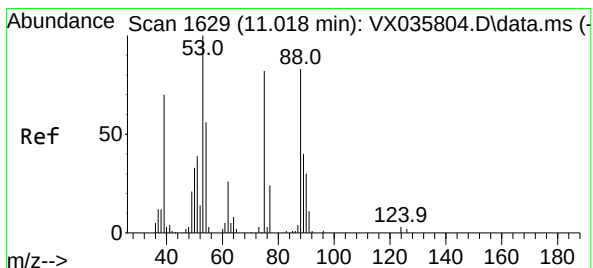
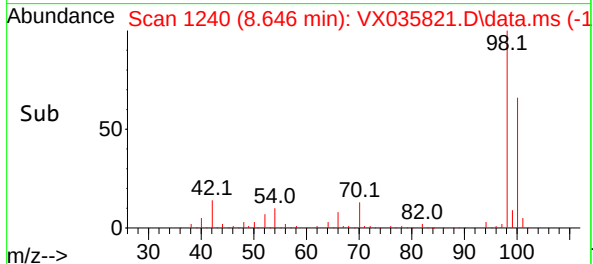
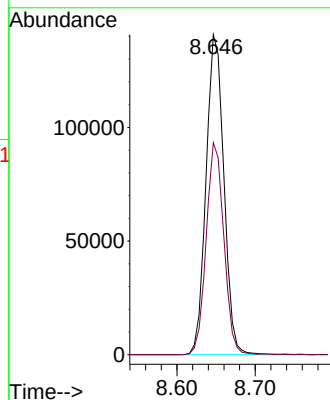
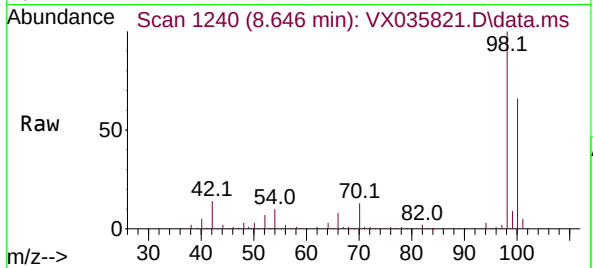




#63
Toluene-d8
Concen: 30.997 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035821.D
Acq: 23 May 2023 18:02

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 98 Resp: 221970
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



#77
t-1,4-Dichloro-2-butene
Concen: 49.575 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035821.D
Acq: 23 May 2023 18:02

Tgt Ion: 75 Resp: 41594
Ion Ratio Lower Upper
75 100
53 0.0 58.2 174.6#
89 0.0 20.6 61.8#

