

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030924\
 Data File : VX040627.D
 Acq On : 08 Mar 2024 15:06
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Mar 08 23:53:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 05 13:21:29 2024
 Response via : Initial Calibration

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

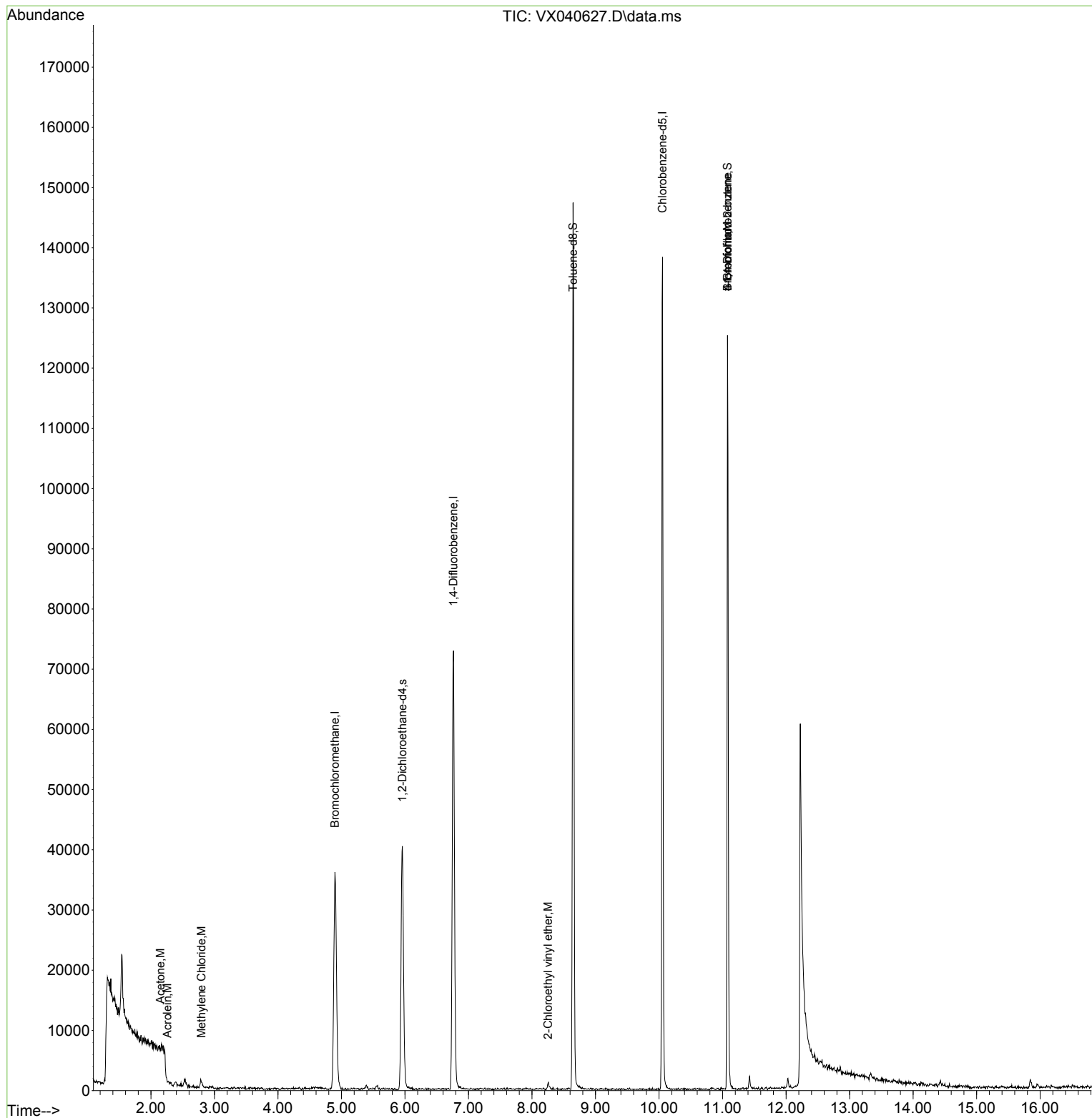
Internal Standards						
1) Bromochloromethane	4.897	128	14088	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	69933	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	58576	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	42411	30.142	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 100.467%	
60) 4-Bromofluorobenzene	11.079	95	32230	32.077	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 106.933%	
63) Toluene-d8	8.647	98	85499	33.029	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 110.100%	
Target Compounds						
					Qvalue	
13) Acrolein	2.258	56	78	0.299	ug/l	85
15) Acetone	2.148	58	66	0.424	ug/l	83
18) Methylene Chloride	2.794	84	406	0.423	ug/l #	80
55) 2-Chloroethyl vinyl ether	8.250	63	403	0.579	ug/l #	89
56) Bromoform	11.079	173	233	0.332	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	18936	54.063	ug/l #	12

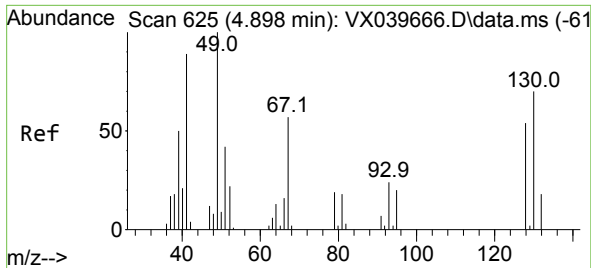
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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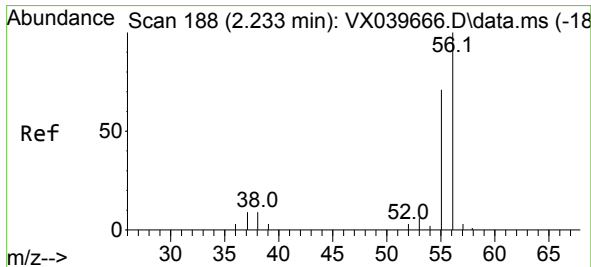
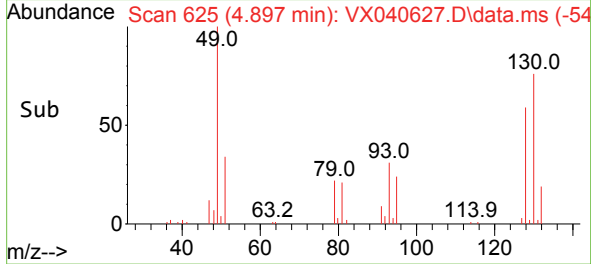
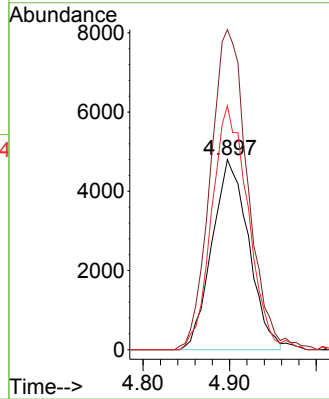
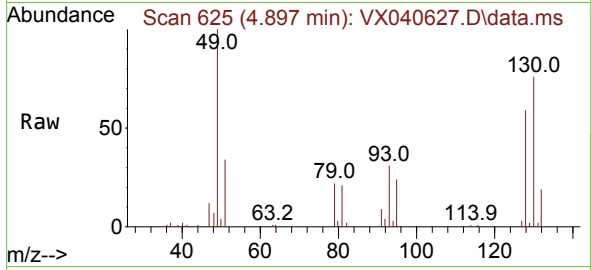




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX040627.D
Acq: 08 Mar 2024 15:06

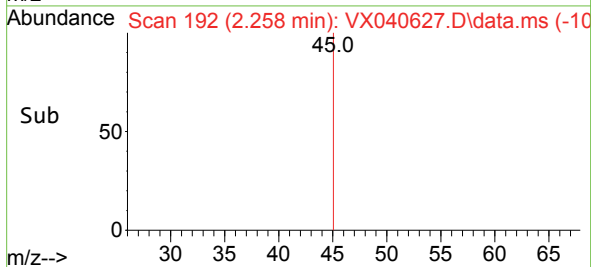
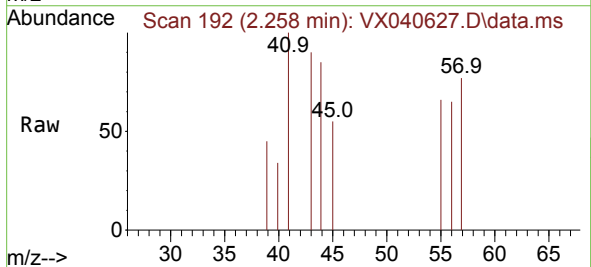
Instrument :
MSVOA_X
ClientSampleId :
IBLK

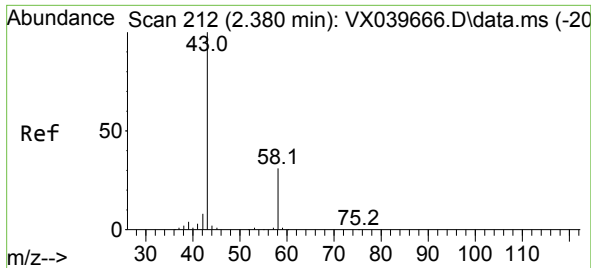
Tgt Ion:128 Resp: 14088
Ion Ratio Lower Upper
128 100
49 172.8 0.0 444.0
130 126.5 0.0 297.8



#13
Acrolein
Concen: 0.299 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.025 min
Lab File: VX040627.D
Acq: 08 Mar 2024 15:06

Tgt Ion: 56 Resp: 78
Ion Ratio Lower Upper
56 100
55 59.0 57.2 85.8





#15

Acetone

Concen: 0.424 ug/l

RT: 2.148 min Scan# 1

Delta R.T. -0.232 min

Lab File: VX040627.D

Acq: 08 Mar 2024 15:06

Instrument :

MSVOA_X

ClientSampleId :

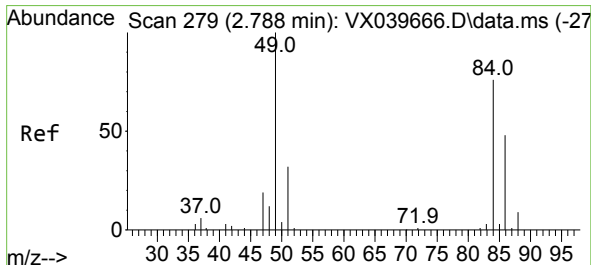
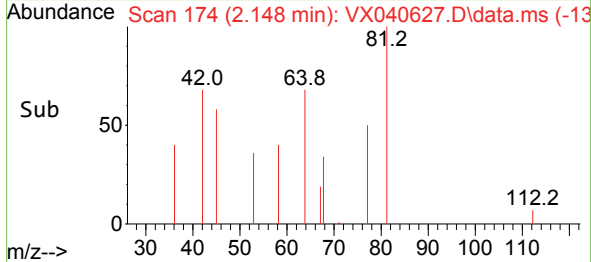
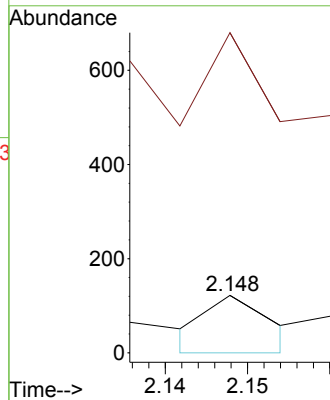
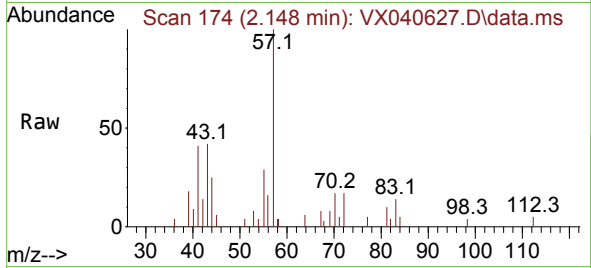
IBLK

Tgt Ion: 58 Resp: 66

Ion Ratio Lower Upper

58 100

43 278.9 249.9 374.9



#18

Methylene Chloride

Concen: 0.423 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX040627.D

Acq: 08 Mar 2024 15:06

Tgt Ion: 84 Resp: 406

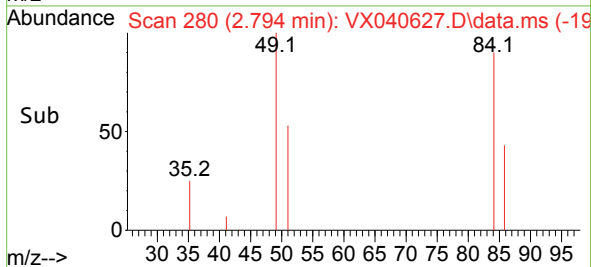
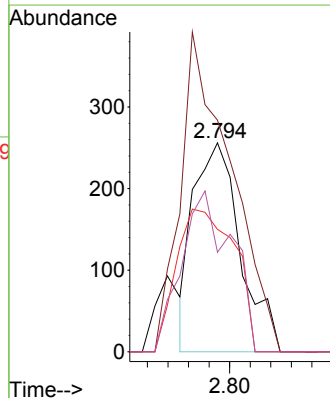
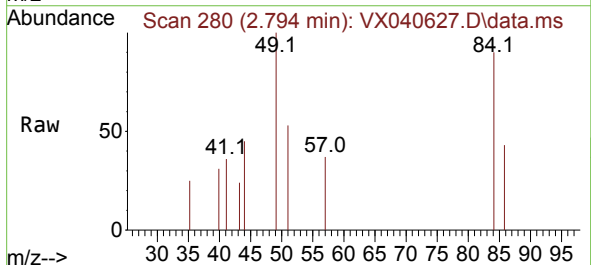
Ion Ratio Lower Upper

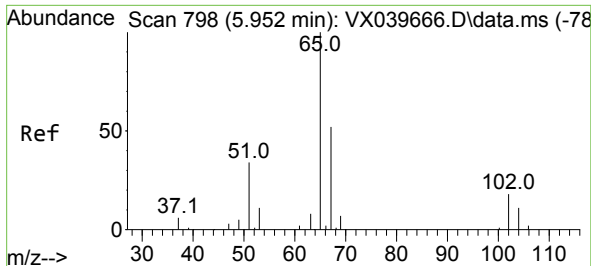
84 100

49 110.9 103.8 155.8

51 58.6 31.8 47.6#

86 47.7 50.8 76.2#





#27

1,2-Dichloroethane-d4

Concen: 30.142 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040627.D

Acq: 08 Mar 2024 15:06

Instrument :

MSVOA_X

ClientSampleId :

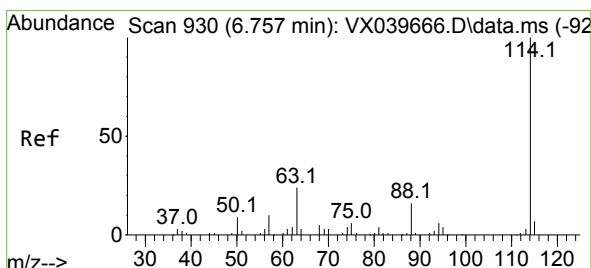
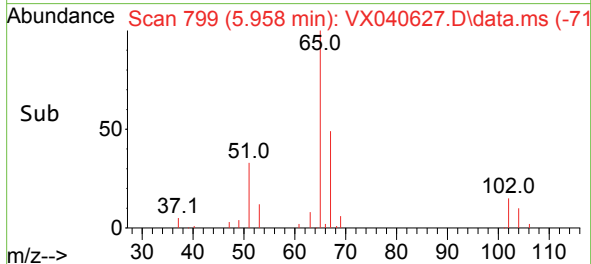
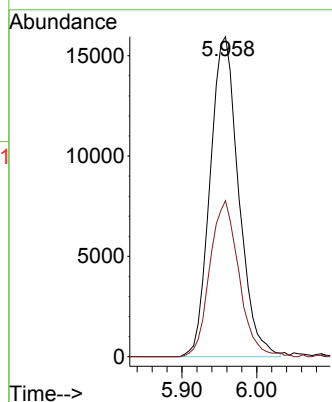
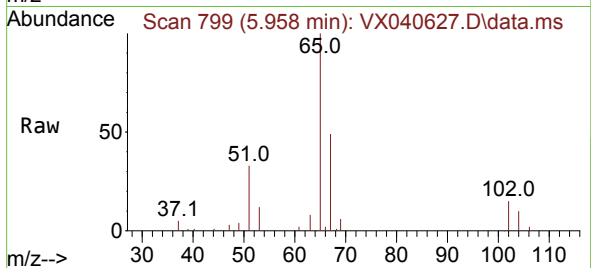
IBLK

Tgt Ion: 65 Resp: 42411

Ion Ratio Lower Upper

65 100

67 49.4 42.5 63.7



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX040627.D

Acq: 08 Mar 2024 15:06

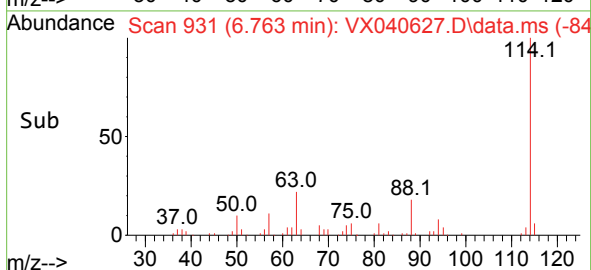
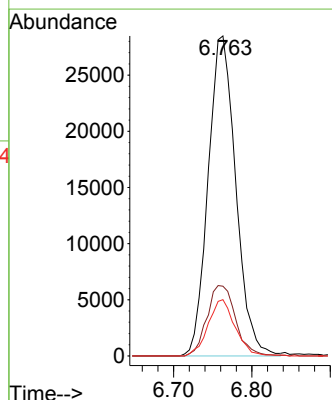
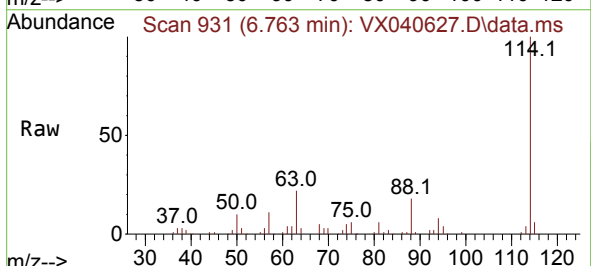
Tgt Ion: 114 Resp: 69933

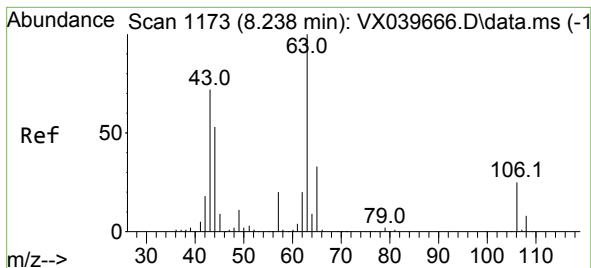
Ion Ratio Lower Upper

114 100

63 22.7 17.0 25.4

88 17.2 12.7 19.1

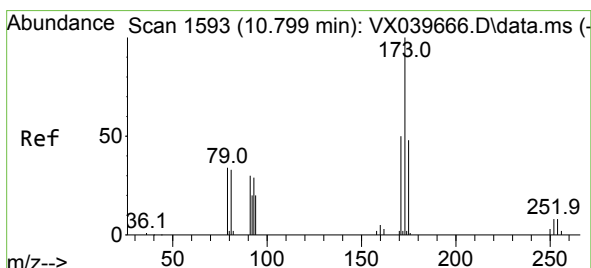
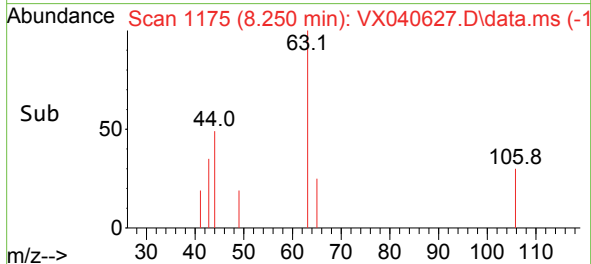
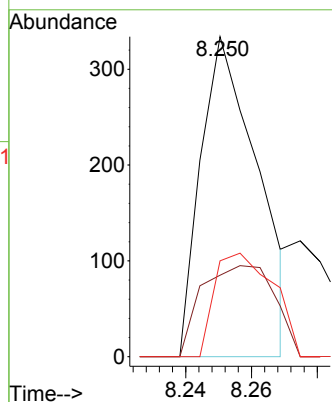
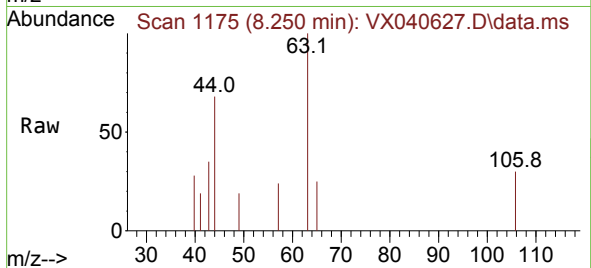




#55
2-Chloroethyl vinyl ether
Concen: 0.579 ug/l
RT: 8.250 min Scan# 1175
Delta R.T. 0.012 min
Lab File: VX040627.D
Acq: 08 Mar 2024 15:06

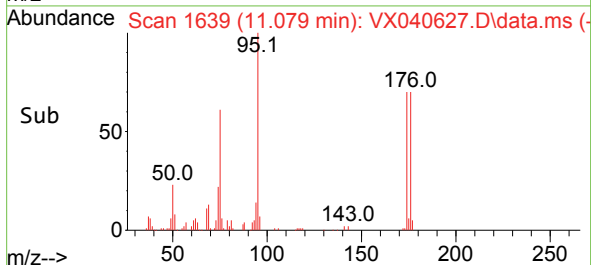
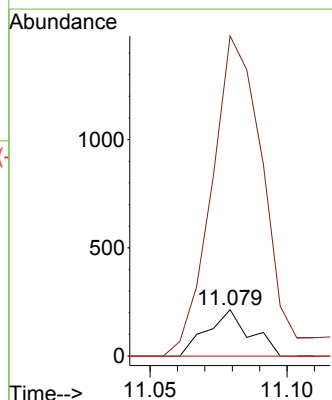
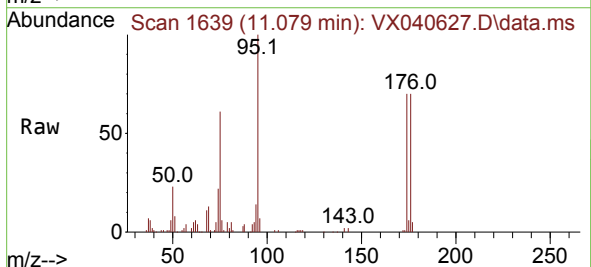
Instrument :
MSVOA_X
ClientSampleId :
IBLK

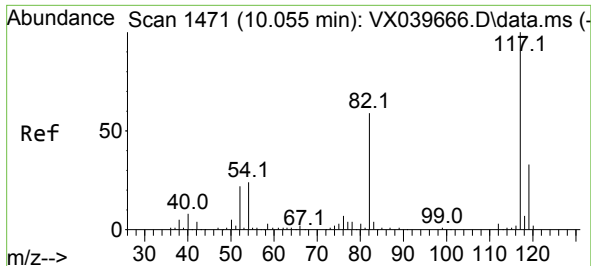
Tgt Ion: 63 Resp: 403
Ion Ratio Lower Upper
63 100
65 36.2 25.8 38.6
106 33.3 20.6 31.0#



#56
Bromoform
Concen: 0.332 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX040627.D
Acq: 08 Mar 2024 15:06

Tgt Ion:173 Resp: 233
Ion Ratio Lower Upper
173 100
175 819.3 37.6 56.4#
254 0.0 5.8 8.8#

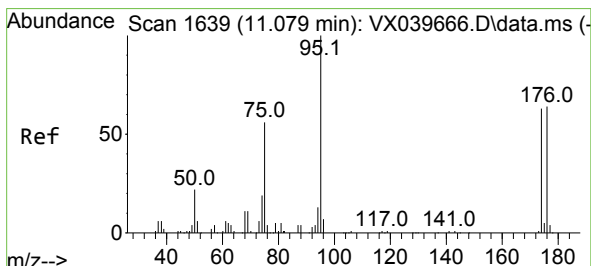
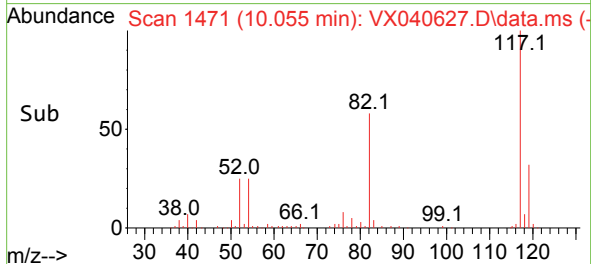
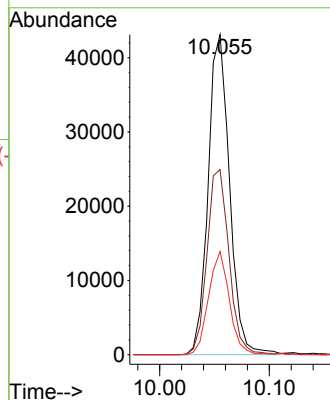
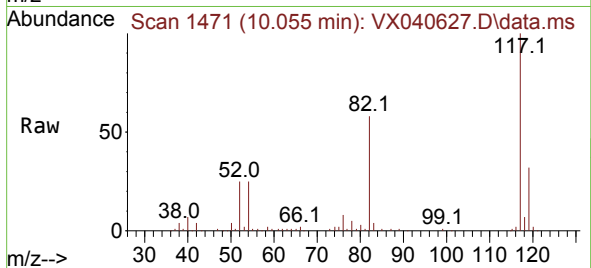




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040627.D
Acq: 08 Mar 2024 15:06

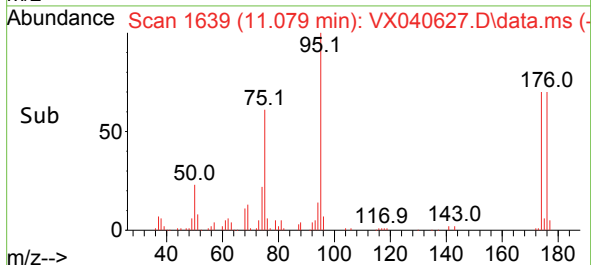
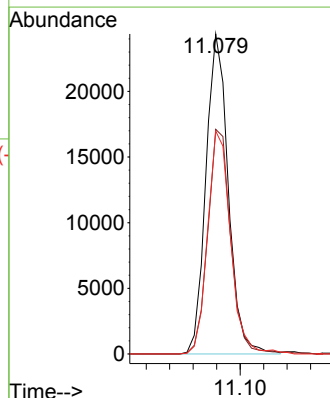
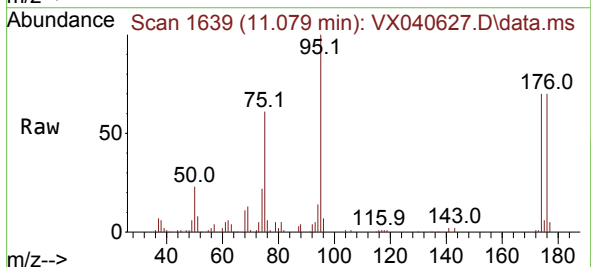
Instrument :
MSVOA_X
ClientSampleId :
IBLK

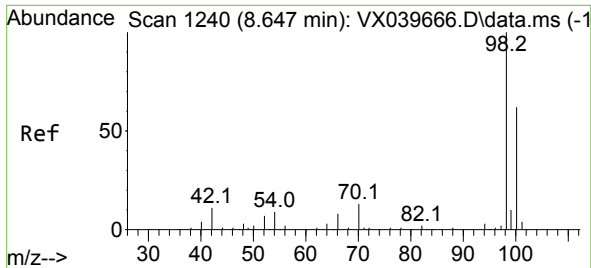
Tgt Ion:	117	Resp:	58576
Ion	Ratio	Lower	Upper
117	100		
82	59.4	47.0	70.6
119	31.2	25.2	37.8



#60
4-Bromofluorobenzene
Concen: 32.077 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040627.D
Acq: 08 Mar 2024 15:06

Tgt Ion:	95	Resp:	32230
Ion	Ratio	Lower	Upper
95	100		
174	71.7	55.4	83.2
176	70.7	52.6	78.8

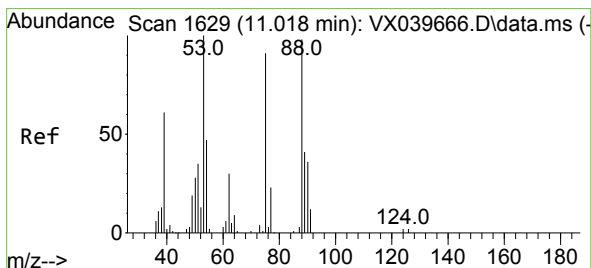
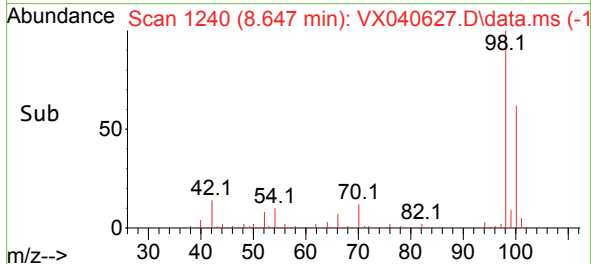
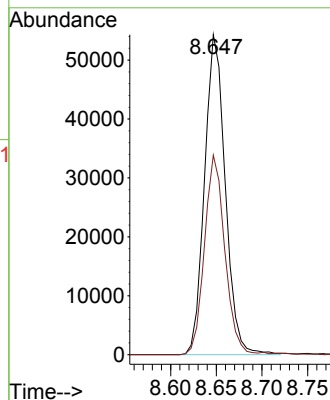
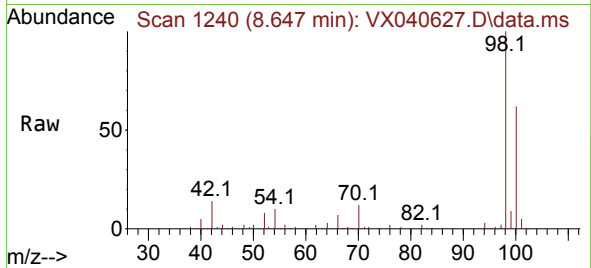




#63
Toluene-d8
Concen: 33.029 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040627.D
Acq: 08 Mar 2024 15:06

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 98 Resp: 85499
Ion Ratio Lower Upper
98 100
100 61.1 51.0 76.4



#77
t-1,4-Dichloro-2-butene
Concen: 54.063 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040627.D
Acq: 08 Mar 2024 15:06

Tgt Ion: 75 Resp: 18936
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.8#
89 0.0 21.3 63.7#

