

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032924\
 Data File : VX040837.D
 Acq On : 29 Mar 2024 13:56
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Mar 29 22:59:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X032824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 29 05:24:11 2024
 Response via : Initial Calibration

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

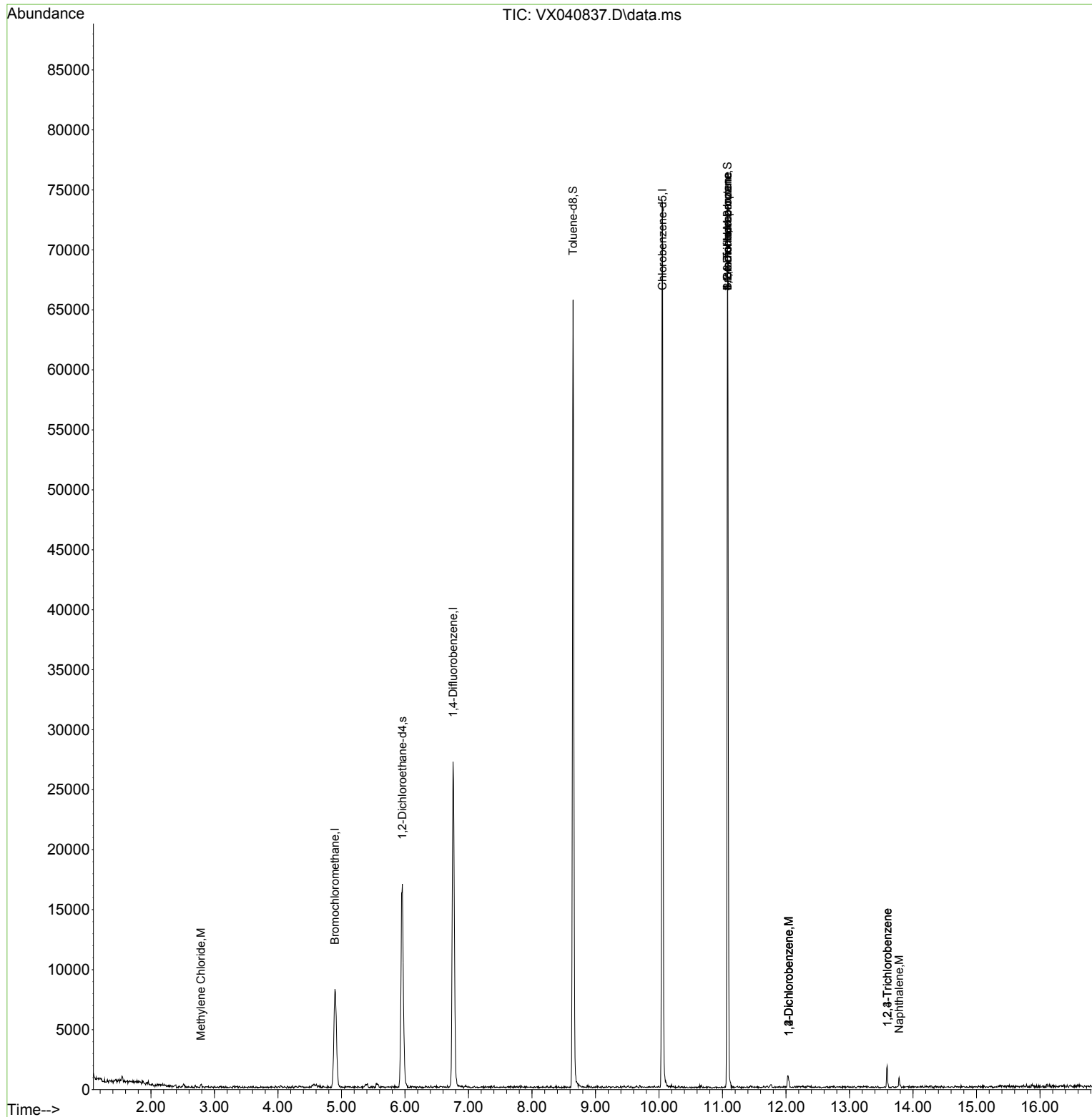
Internal Standards						
1) Bromochloromethane	4.898	128	3223	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	25625	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	31586	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	16946	30.678	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.267%	
60) 4-Bromofluorobenzene	11.079	95	18078	26.200	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 87.333%	
63) Toluene-d8	8.647	98	37143	29.996	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.000%	
Target Compounds						
					Qvalue	
18) Methylene Chloride	2.788	84	107	0.206	ug/l #	40
56) Bromoform	11.079	173	152	0.368	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	10692	15.371	ug/l	38
77) t-1,4-Dichloro-2-butene	11.079	75	10692	38.636	ug/l #	12
83) 1,3-Dichlorobenzene	12.043	146	283	0.258	ug/l	69
84) 1,4-Dichlorobenzene	12.043	146	283	0.251	ug/l	71
87) 1,2-Dichlorobenzene	12.043	146	283	0.267	ug/l	70
89) 1,2,4-Trichlorobenzene	13.597	180	604	0.817	ug/l #	95
91) Naphthalene	13.780	128	884	0.358	ug/l #	90
92) 1,2,3-Trichlorobenzene	13.597	180	604	0.857	ug/l	95

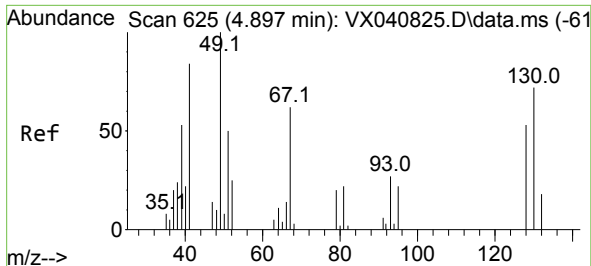
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032924\
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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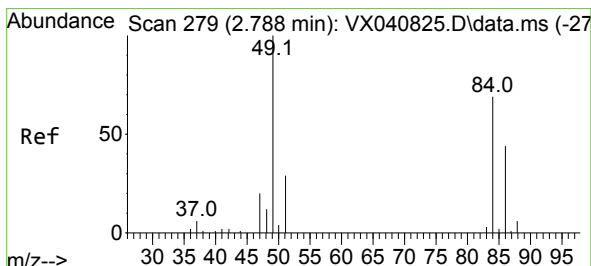
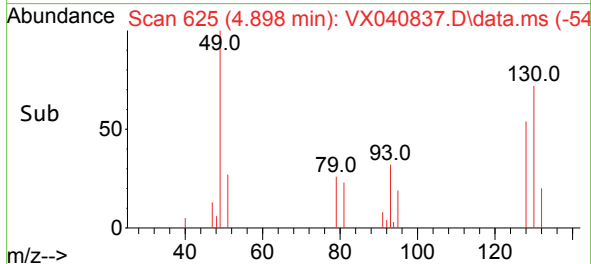
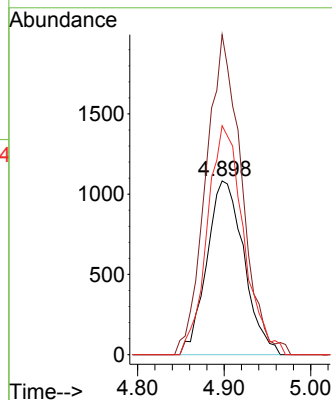
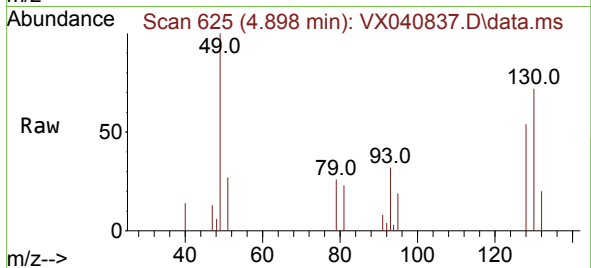




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.001 min
Lab File: VX040837.D
Acq: 29 Mar 2024 13:56

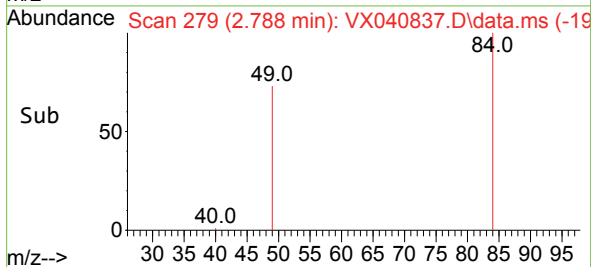
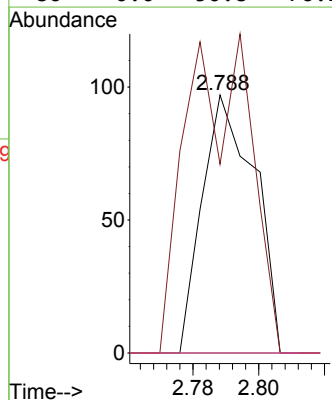
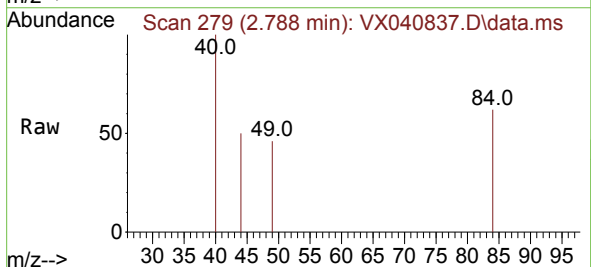
Instrument :
MSVOA_X
ClientSampleId :
IBLK

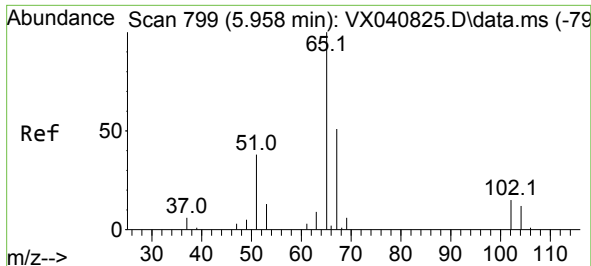
Tgt Ion:128 Resp: 3223
Ion Ratio Lower Upper
128 100
49 175.6 0.0 444.0
130 127.0 0.0 297.8



#18
Methylene Chloride
Concen: 0.206 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX040837.D
Acq: 29 Mar 2024 13:56

Tgt Ion: 84 Resp: 107
Ion Ratio Lower Upper
84 100
49 73.2 103.8 155.8#
51 0.0 31.8 47.6#
86 0.0 50.8 76.2#





#27

1,2-Dichloroethane-d4

Concen: 30.678 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX040837.D

Acq: 29 Mar 2024 13:56

Instrument :

MSVOA_X

ClientSampleId :

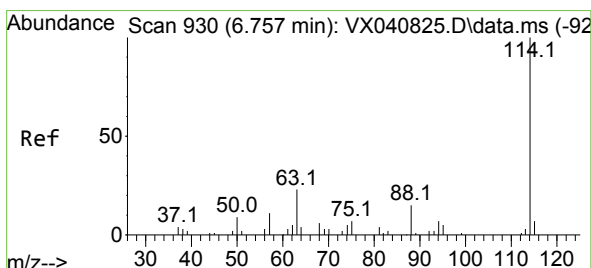
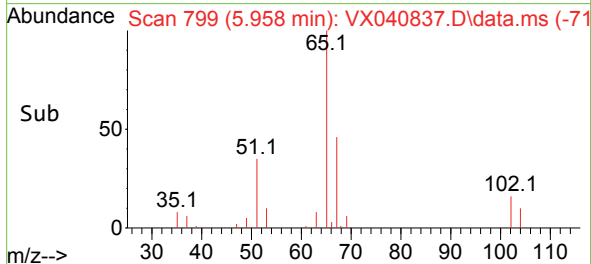
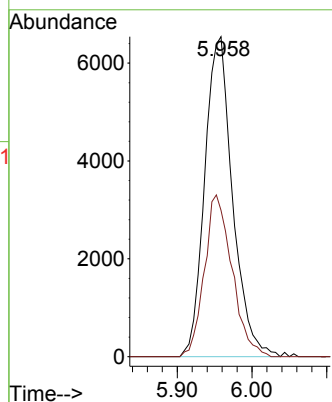
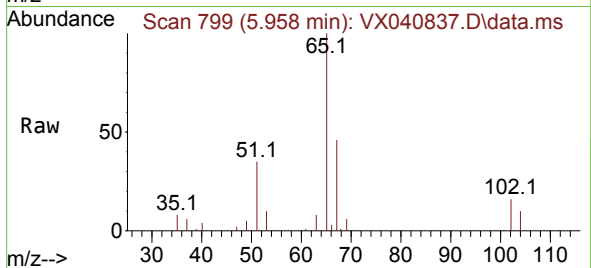
IBLK

Tgt Ion: 65 Resp: 16946

Ion Ratio Lower Upper

65 100

67 50.2 42.5 63.7



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX040837.D

Acq: 29 Mar 2024 13:56

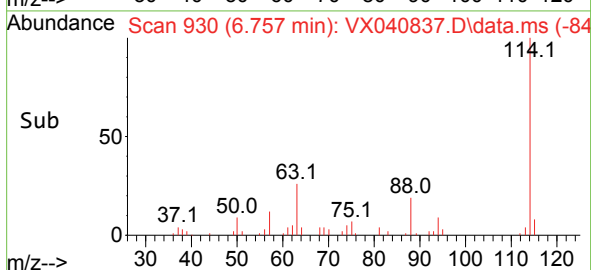
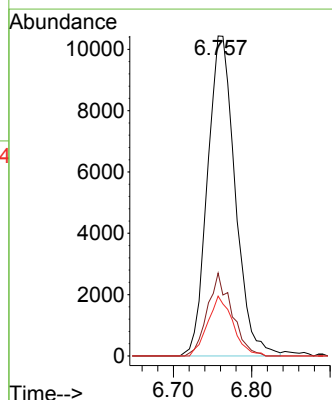
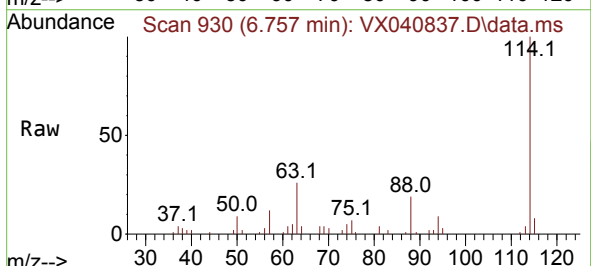
Tgt Ion: 114 Resp: 25625

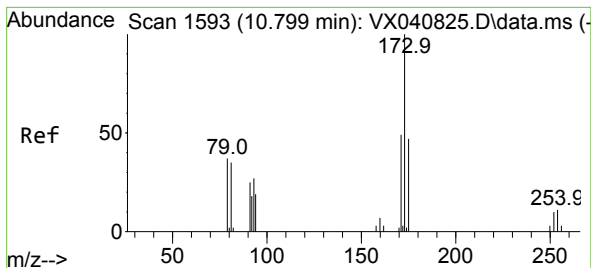
Ion Ratio Lower Upper

114 100

63 22.9 17.0 25.4

88 17.0 12.7 19.1





#56

Bromoform

Concen: 0.368 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.281 min

Lab File: VX040837.D

Acq: 29 Mar 2024 13:56

Instrument :

MSVOA_X

ClientSampleId :

IBLK

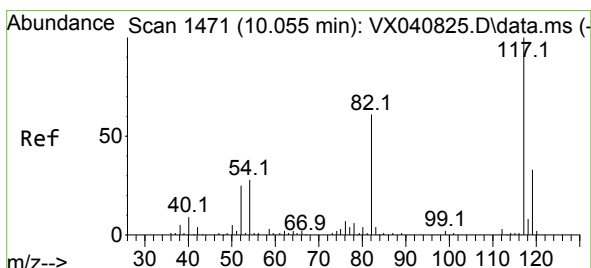
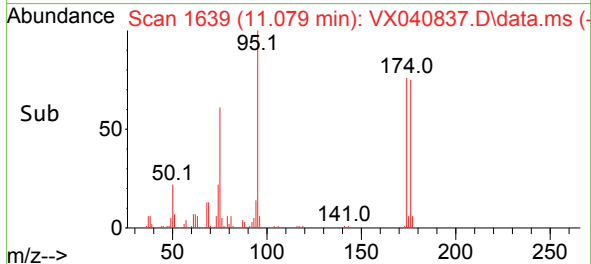
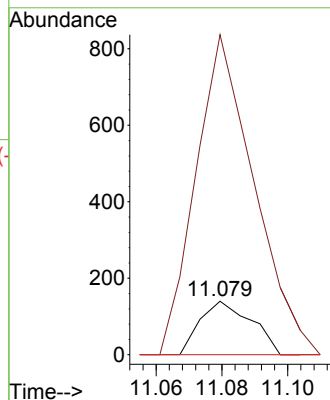
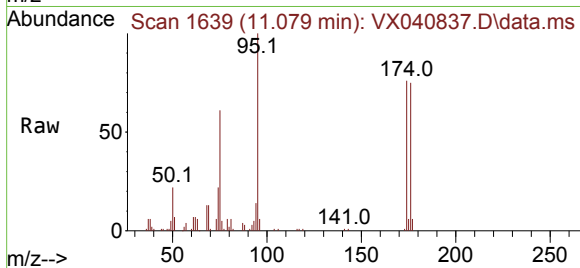
Tgt Ion:173 Resp: 152

Ion Ratio Lower Upper

173 100

175 679.6 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: VX040837.D

Acq: 29 Mar 2024 13:56

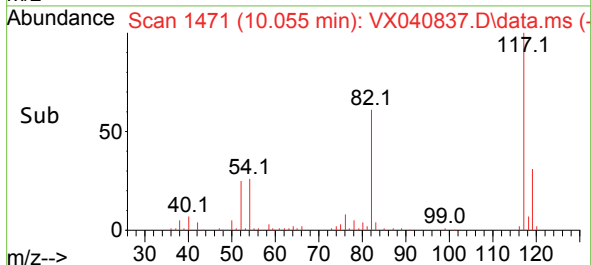
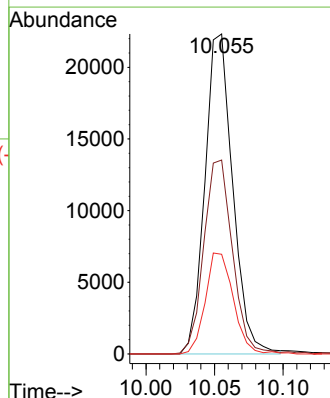
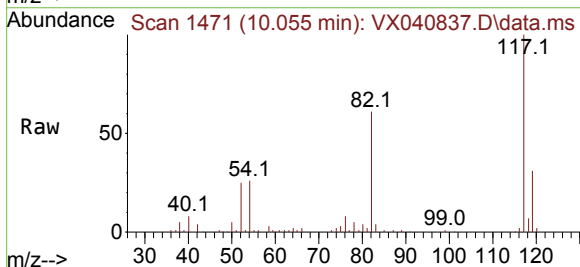
Tgt Ion:117 Resp: 31586

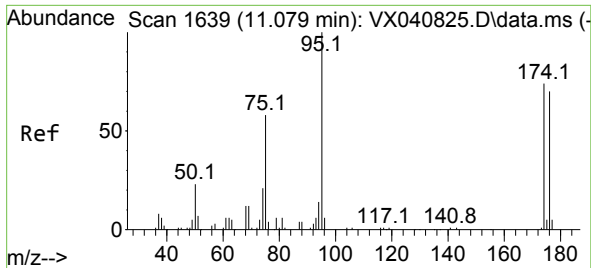
Ion Ratio Lower Upper

117 100

82 62.8 47.0 70.6

119 31.7 25.2 37.8

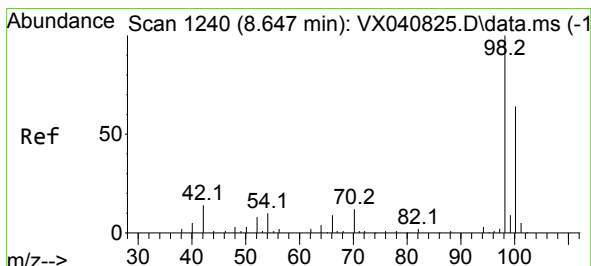
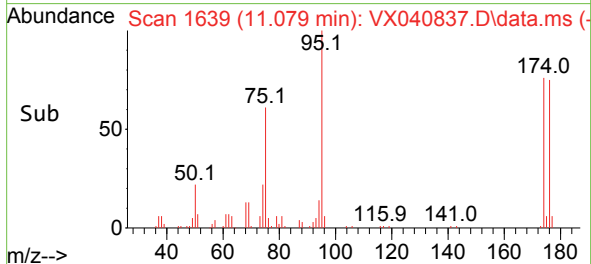
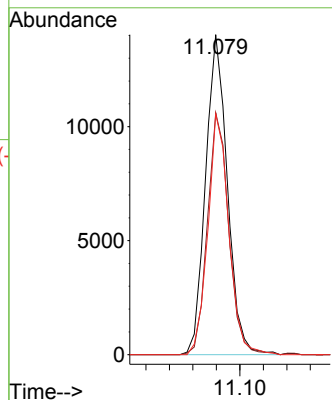
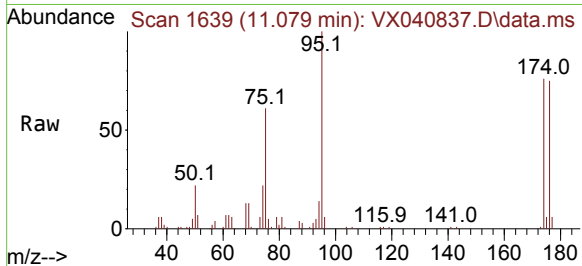




#60
4-Bromofluorobenzene
Concen: 26.200 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX040837.D
Acq: 29 Mar 2024 13:56

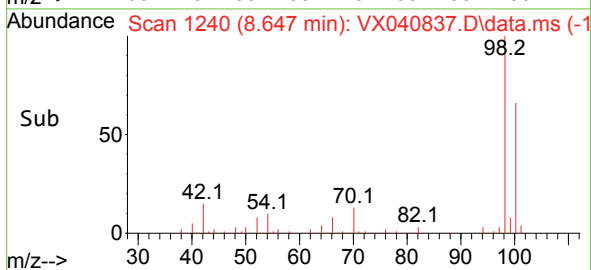
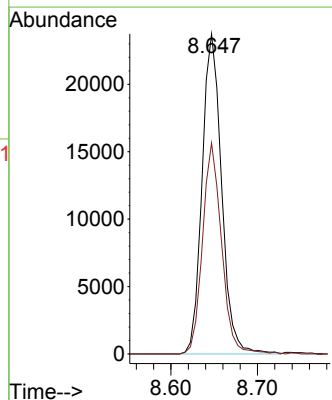
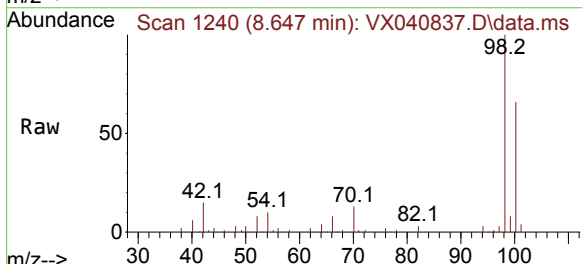
Instrument :
MSVOA_X
ClientSampleId :
IBLK

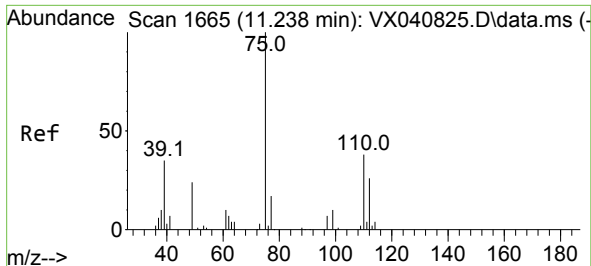
Tgt Ion: 95 Resp: 18078
Ion Ratio Lower Upper
95 100
174 73.5 55.4 83.2
176 72.4 52.6 78.8



#63
Toluene-d8
Concen: 29.996 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040837.D
Acq: 29 Mar 2024 13:56

Tgt Ion: 98 Resp: 37143
Ion Ratio Lower Upper
98 100
100 64.1 51.0 76.4

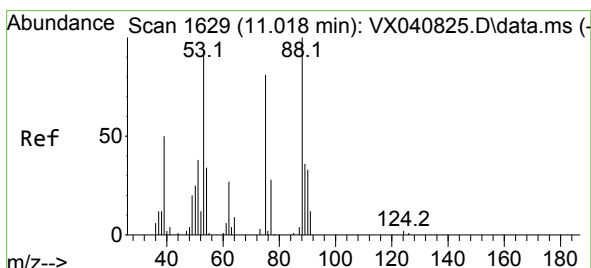
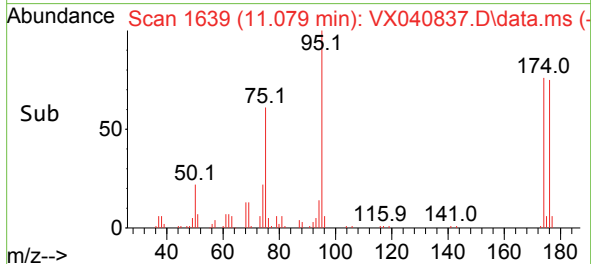
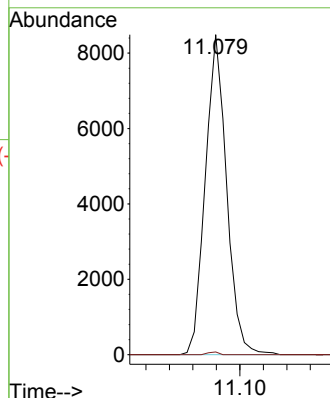
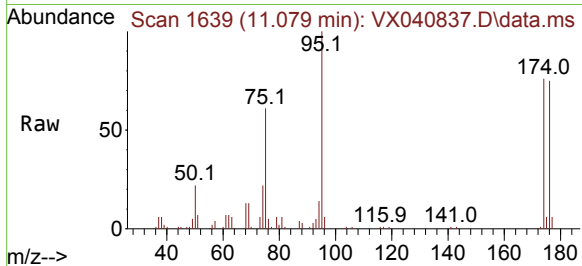




#72
1,2,3-Trichloropropane
Concen: 15.371 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX040837.D
Acq: 29 Mar 2024 13:56

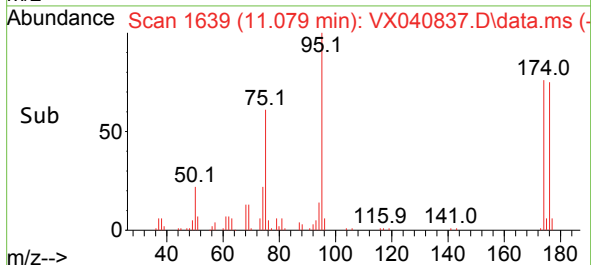
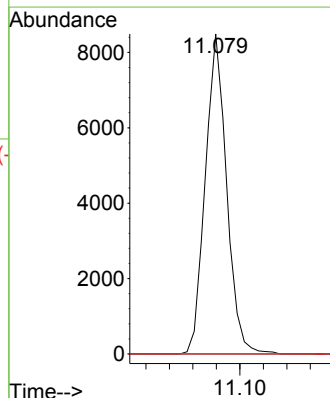
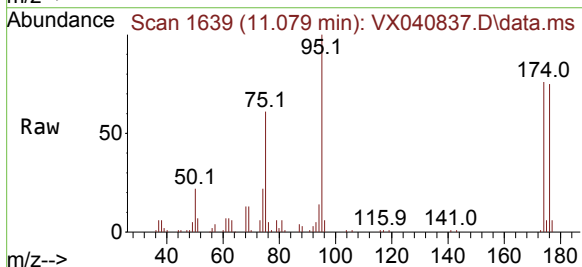
Instrument :
MSVOA_X
ClientSampleId :
IBLK

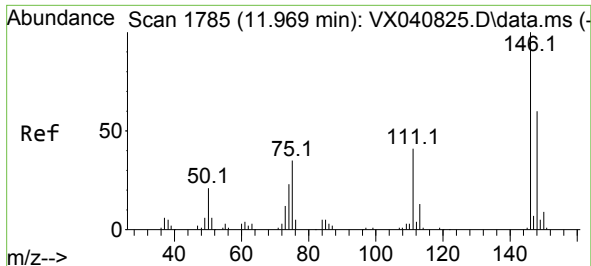
Tgt Ion: 75 Resp: 10692
Ion Ratio Lower Upper
75 100
77 0.4 0.0 76.4



#77
t-1,4-Dichloro-2-butene
Concen: 38.636 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040837.D
Acq: 29 Mar 2024 13:56

Tgt Ion: 75 Resp: 10692
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.8#
89 0.0 21.3 63.7#





#83

1,3-Dichlorobenzene

Concen: 0.258 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.073 min

Lab File: VX040837.D

Acq: 29 Mar 2024 13:56

Instrument :

MSVOA_X

ClientSampleId :

IBLK

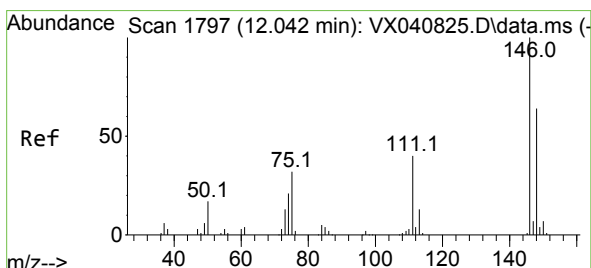
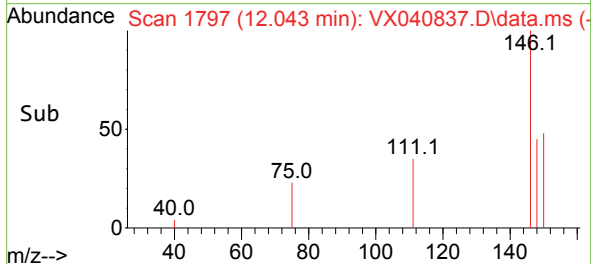
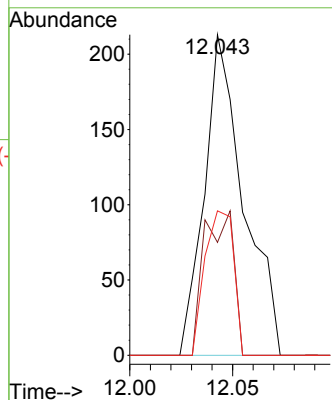
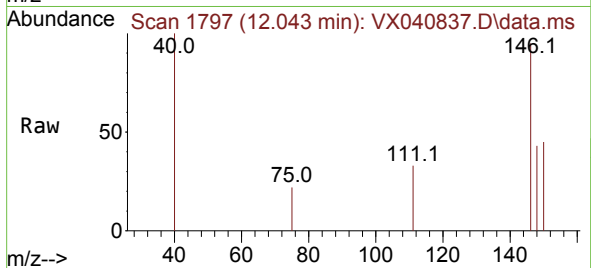
Tgt Ion:146 Resp: 283

Ion Ratio Lower Upper

146 100

111 33.9 22.3 66.9

148 32.9 32.8 98.3



#84

1,4-Dichlorobenzene

Concen: 0.251 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX040837.D

Acq: 29 Mar 2024 13:56

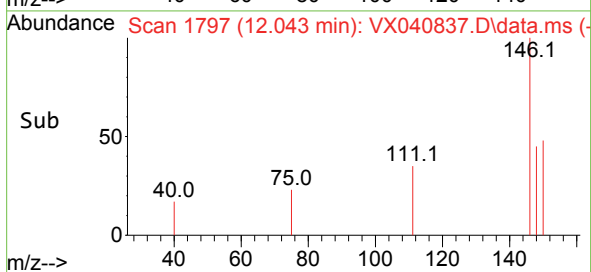
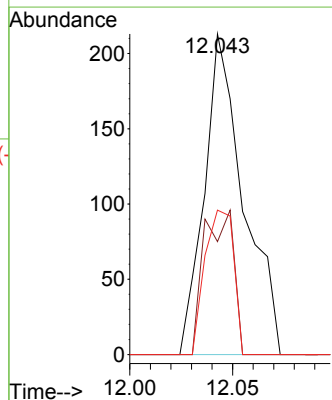
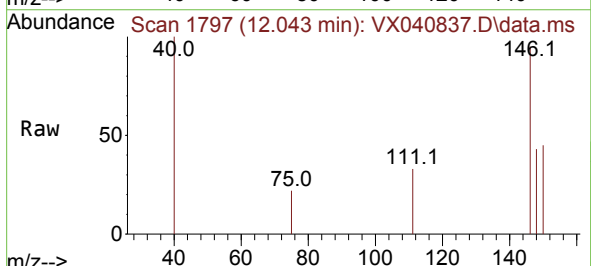
Tgt Ion:146 Resp: 283

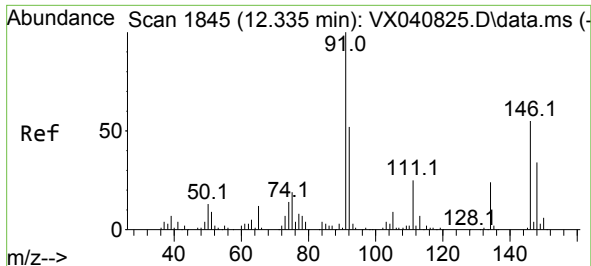
Ion Ratio Lower Upper

146 100

111 33.9 21.4 64.2

148 32.9 31.8 95.4

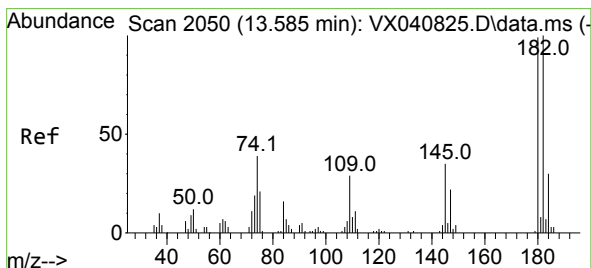
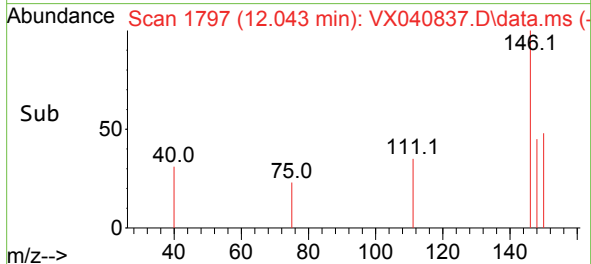
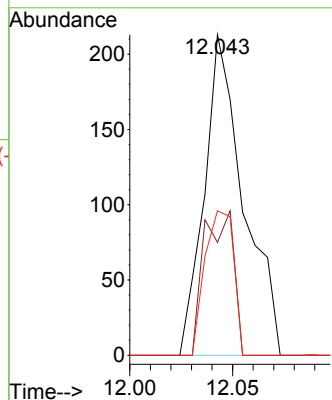
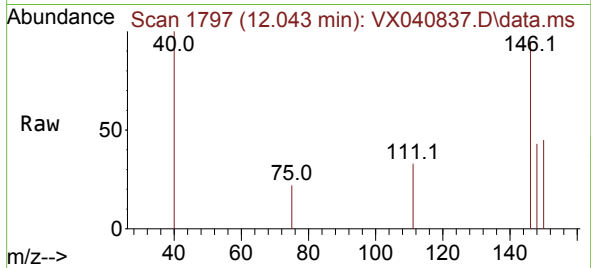




#87
1,2-Dichlorobenzene
Concen: 0.267 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. -0.292 min
Lab File: VX040837.D
Acq: 29 Mar 2024 13:56

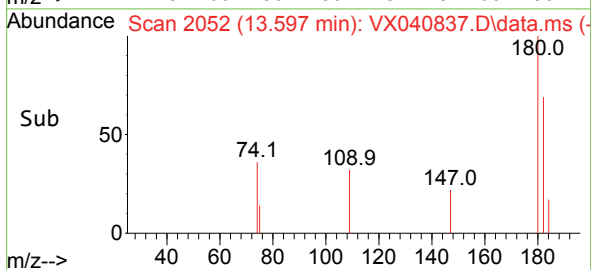
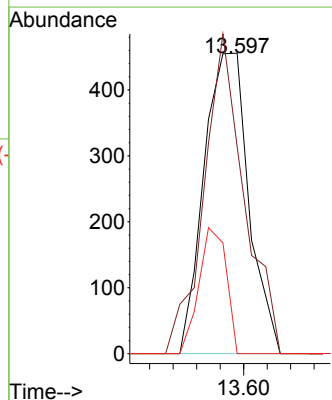
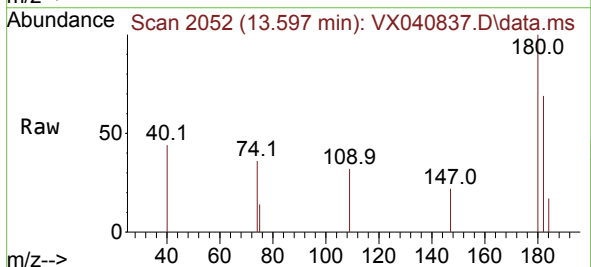
Instrument :
MSVOA_X
ClientSampleId :
IBLK

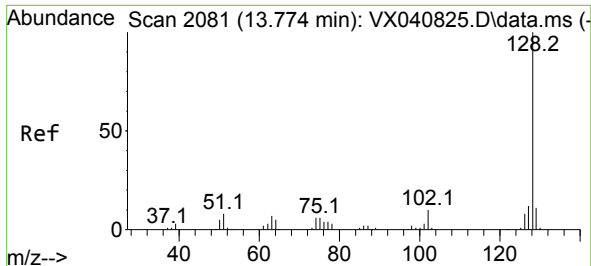
Tgt Ion:146 Resp: 283
Ion Ratio Lower Upper
146 100
111 33.9 22.4 67.2
148 32.9 31.9 95.7



#89
1,2,4-Trichlorobenzene
Concen: 0.817 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.012 min
Lab File: VX040837.D
Acq: 29 Mar 2024 13:56

Tgt Ion:180 Resp: 604
Ion Ratio Lower Upper
180 100
182 95.4 74.5 111.7
145 25.7 26.6 40.0#

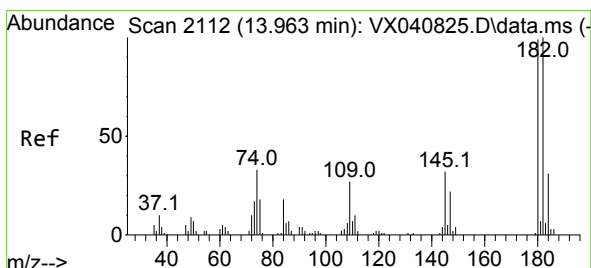
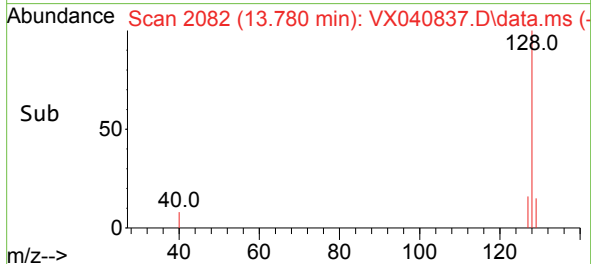
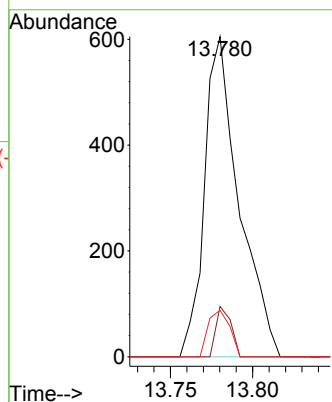
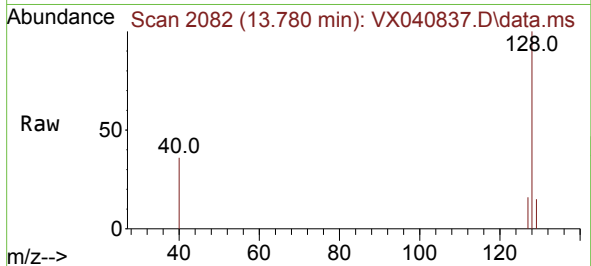




#91
Naphthalene
Concen: 0.358 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX040837.D
Acq: 29 Mar 2024 13:56

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:128 Resp: 884
Ion Ratio Lower Upper
128 100
127 6.8 10.2 15.2#
129 9.0 8.6 12.8



#92
1,2,3-Trichlorobenzene
Concen: 0.857 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. -0.366 min
Lab File: VX040837.D
Acq: 29 Mar 2024 13:56

Tgt Ion:180 Resp: 604
Ion Ratio Lower Upper
180 100
182 95.4 0.0 191.6
145 25.7 0.0 69.6

