

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062724\
 Data File : VX042069.D
 Acq On : 27 Jun 2024 13:02
 Operator : JC/MD
 Sample : VX0627WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 28 04:02:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

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

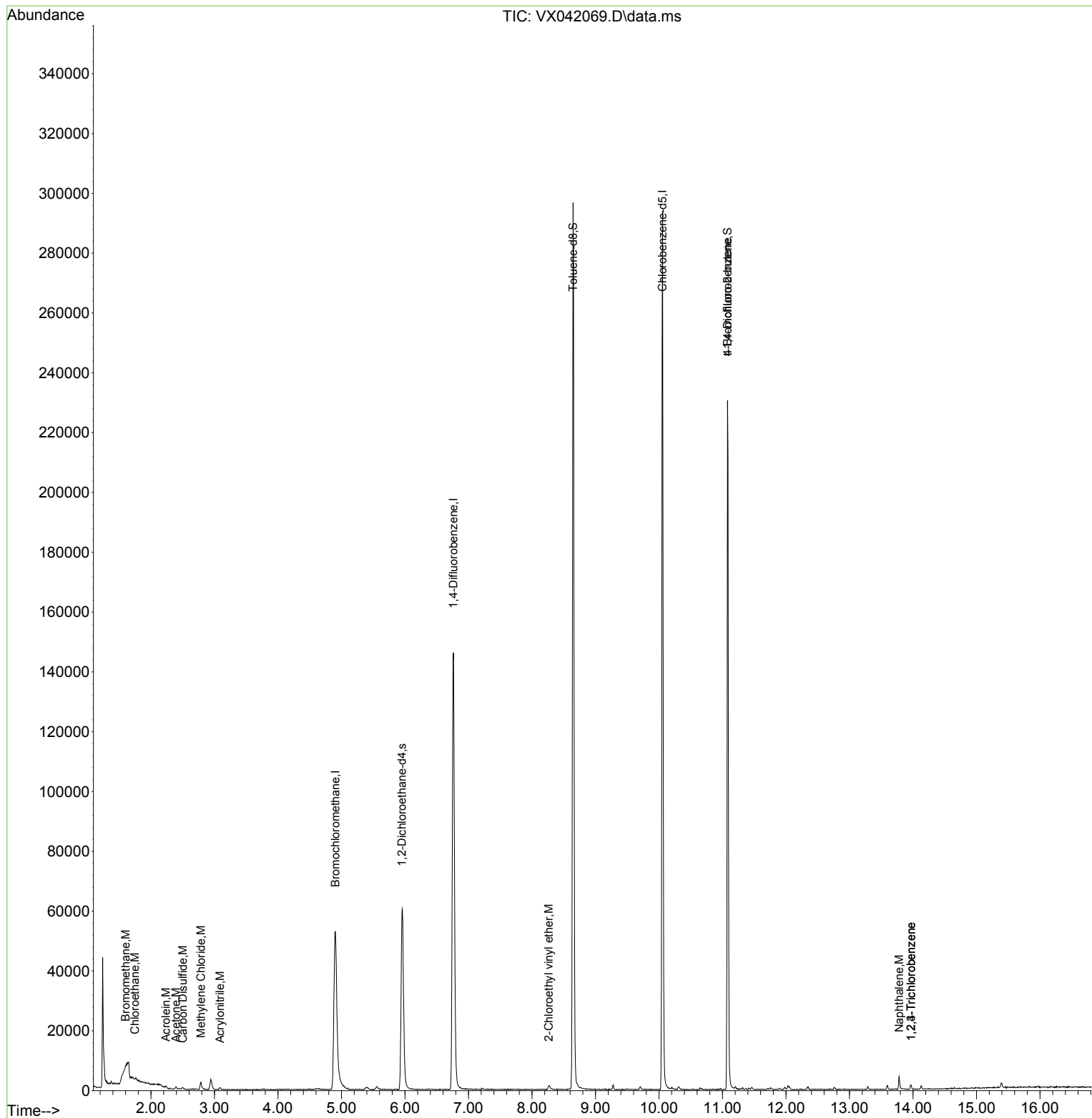
Internal Standards						
1) Bromochloromethane	4.904	128	29099	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	166098	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	146699	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	58059	28.984	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.600%
60) 4-Bromofluorobenzene	11.079	95	62001	27.304	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.000%
63) Toluene-d8	8.647	98	188820	30.085	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.267%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	496	0.451	ug/l	93
6) Chloroethane	1.746	64	227	0.258	ug/l	99
13) Acrolein	2.233	56	172	0.376	ug/l #	59
14) Acrylonitrile	3.087	53	233	0.217	ug/l #	74
15) Acetone	2.392	58	221	0.718	ug/l	75
16) Carbon Disulfide	2.502	76	925	0.237	ug/l #	78
18) Methylene Chloride	2.788	84	1249	0.612	ug/l #	83
55) 2-Chloroethyl vinyl ether	8.263	63	689	0.504	ug/l	92
77) t-1,4-Dichloro-2-butene	11.079	75	28223	33.258	ug/l #	7
89) 1,2,4-Trichlorobenzene	13.969	180	715	0.245	ug/l	92
91) Naphthalene	13.780	128	3548	0.403	ug/l	97
92) 1,2,3-Trichlorobenzene	13.969	180	715	0.237	ug/l	93

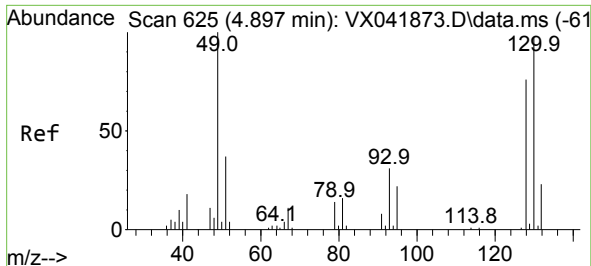
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062724\
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Instrument :
MSVOA_X
ClientSampleId :

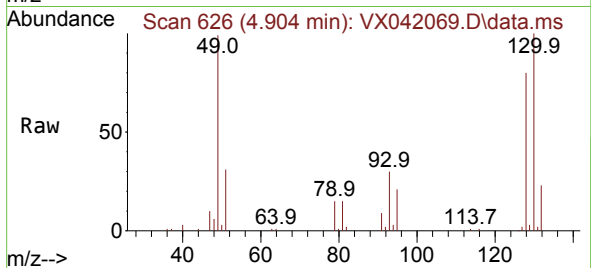
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
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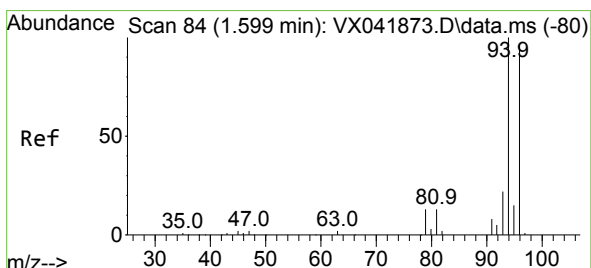
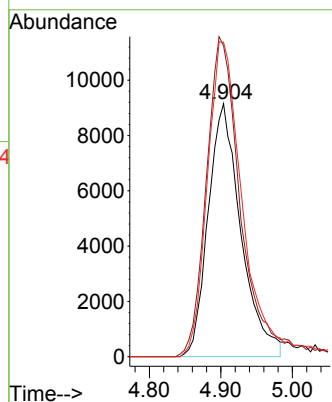
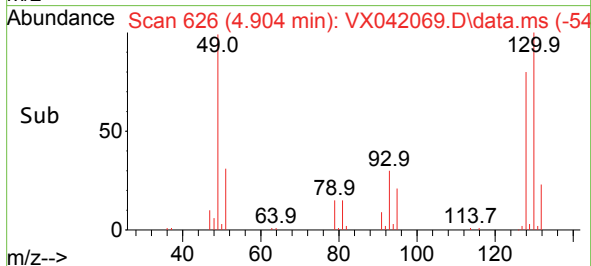


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX042069.D
Acq: 27 Jun 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :

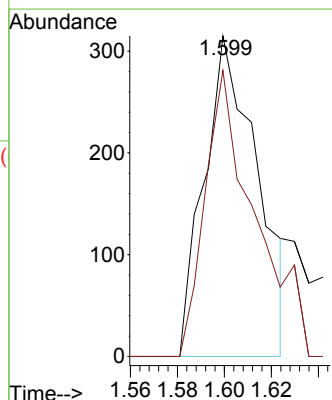
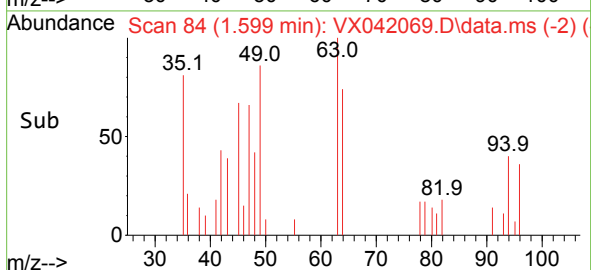
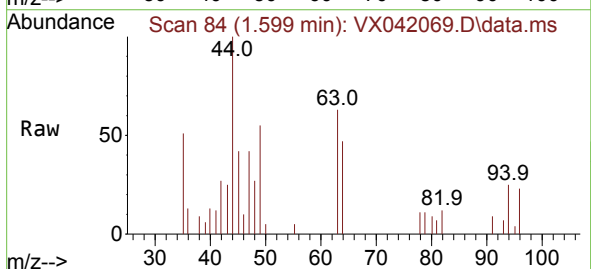


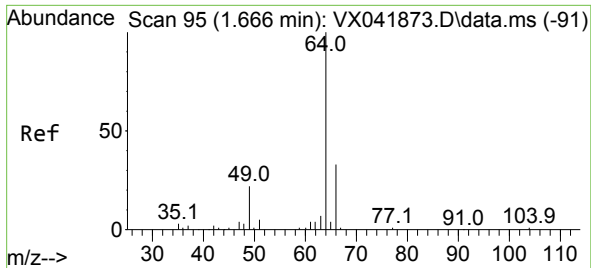
Tgt Ion:128 Resp: 29099
Ion Ratio Lower Upper
128 100
49 129.2 0.0 338.5
130 132.1 0.0 324.5



#5
Bromomethane
Concen: 0.451 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX042069.D
Acq: 27 Jun 2024 13:02

Tgt Ion: 94 Resp: 496
Ion Ratio Lower Upper
94 100
96 89.2 76.6 115.0

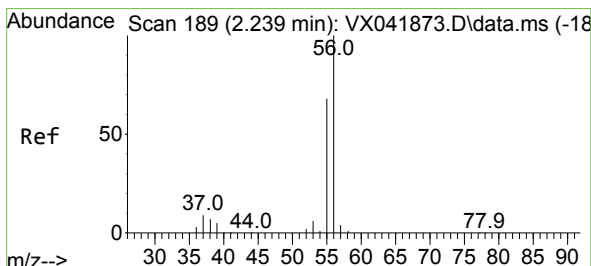
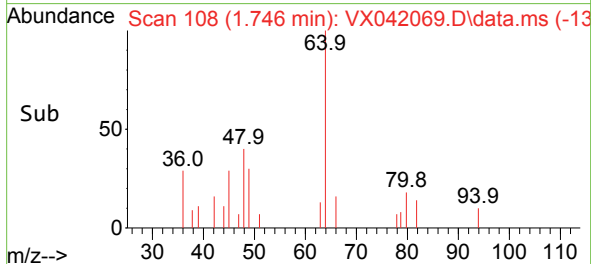
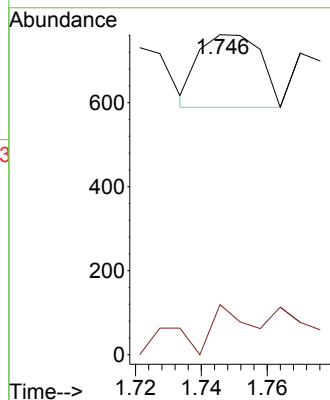
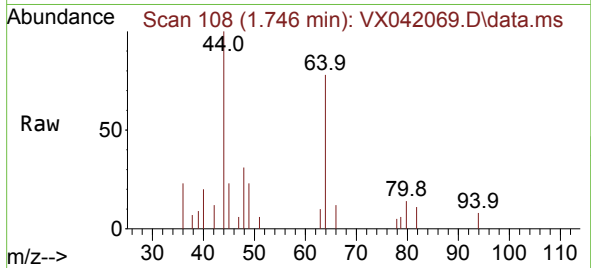




#6
Chloroethane
Concen: 0.258 ug/l
RT: 1.746 min Scan# 108
Delta R.T. 0.079 min
Lab File: VX042069.D
Acq: 27 Jun 2024 13:02

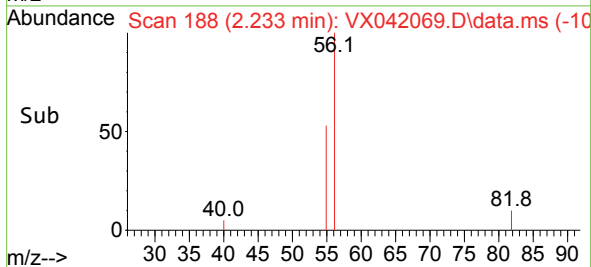
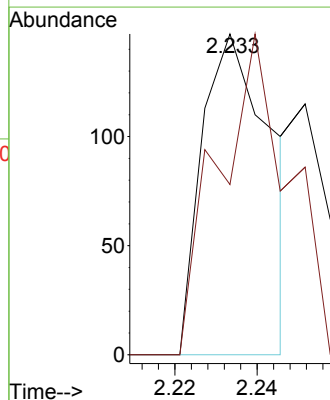
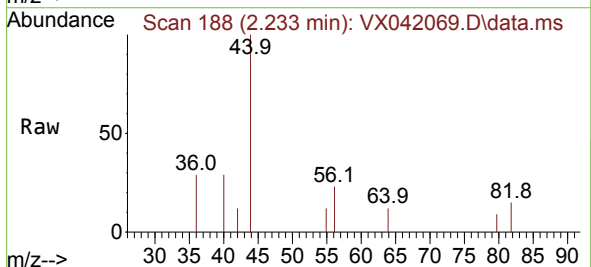
Instrument :
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ClientSampleId :

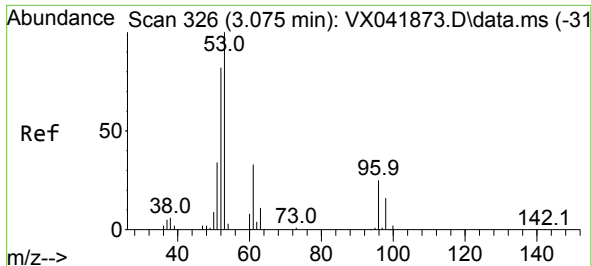
Tgt Ion: 64 Resp: 227
Ion Ratio Lower Upper
64 100
66 32.4 26.4 39.6



#13
Acrolein
Concen: 0.376 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX042069.D
Acq: 27 Jun 2024 13:02

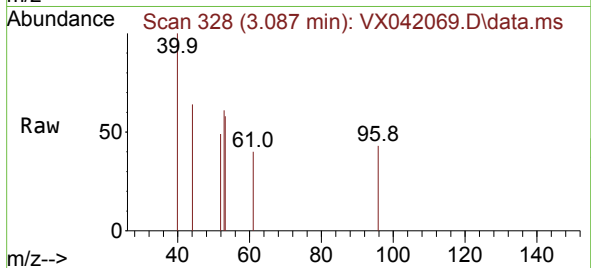
Tgt Ion: 56 Resp: 172
Ion Ratio Lower Upper
56 100
55 102.3 55.4 83.0#



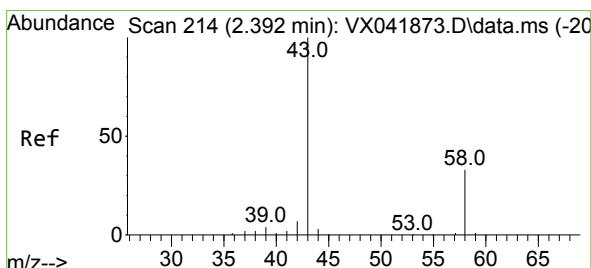
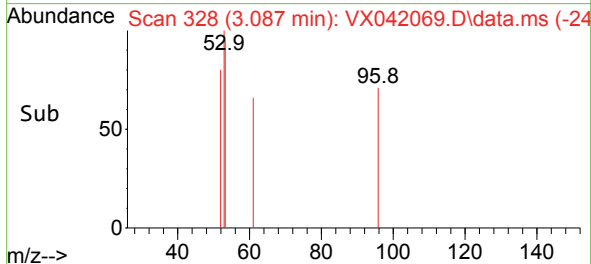
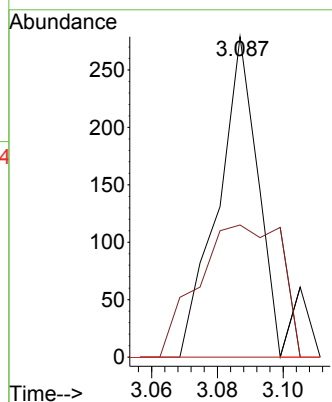


#14
Acrylonitrile
Concen: 0.217 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX042069.D
Acq: 27 Jun 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :

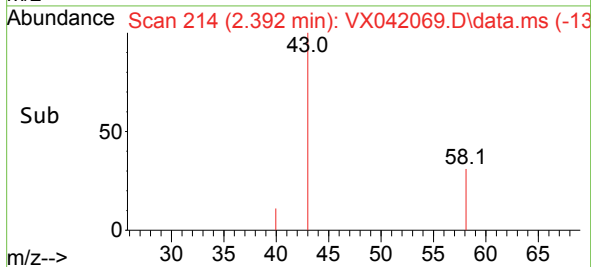
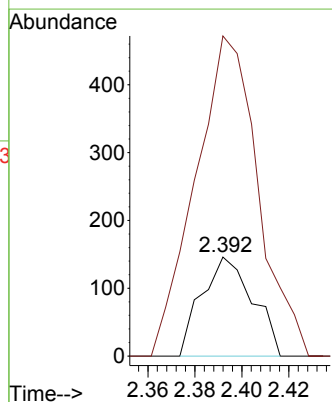
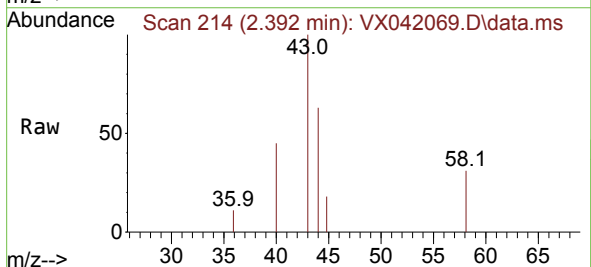


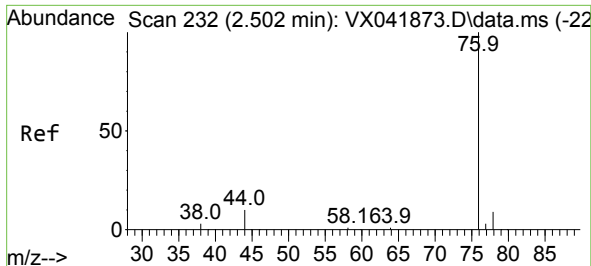
Tgt Ion: 53 Resp: 233
Ion Ratio Lower Upper
53 100
52 69.5 39.9 119.7
51 0.0 17.4 52.3#



#15
Acetone
Concen: 0.718 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX042069.D
Acq: 27 Jun 2024 13:02

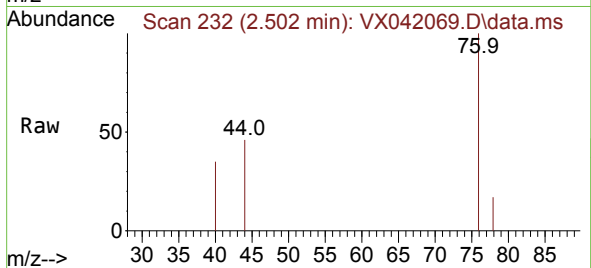
Tgt Ion: 58 Resp: 221
Ion Ratio Lower Upper
58 100
43 254.1 243.4 365.2



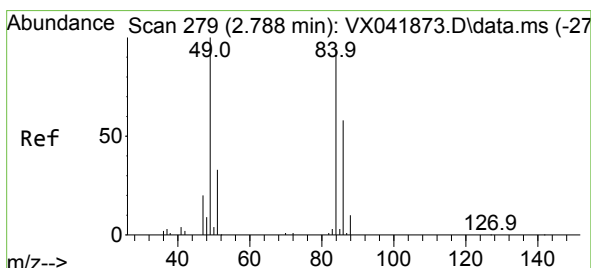
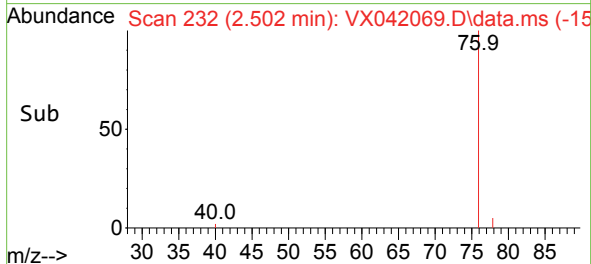
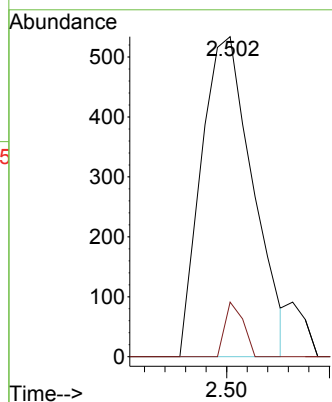


#16
Carbon Disulfide
Concen: 0.237 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX042069.D
Acq: 27 Jun 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :

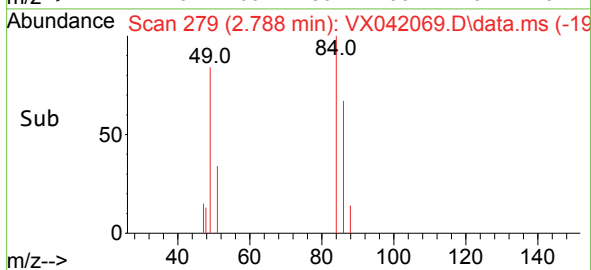
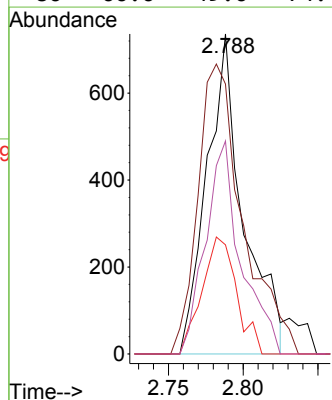
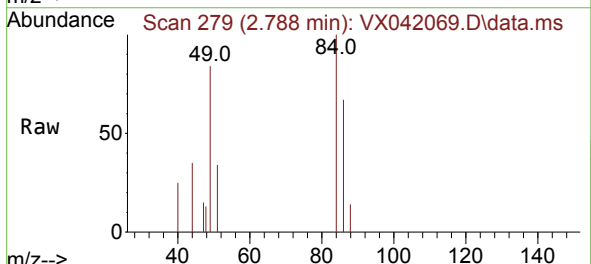


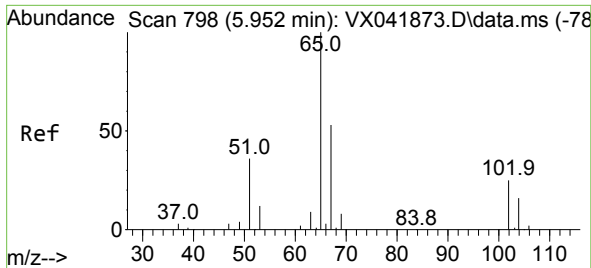
Tgt Ion: 76 Resp: 925
Ion Ratio Lower Upper
76 100
78 17.0 7.3 10.9#



#18
Methylene Chloride
Concen: 0.612 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX042069.D
Acq: 27 Jun 2024 13:02

Tgt Ion: 84 Resp: 1249
Ion Ratio Lower Upper
84 100
49 76.4 85.3 127.9#
51 34.1 28.5 42.7
86 66.6 49.6 74.4

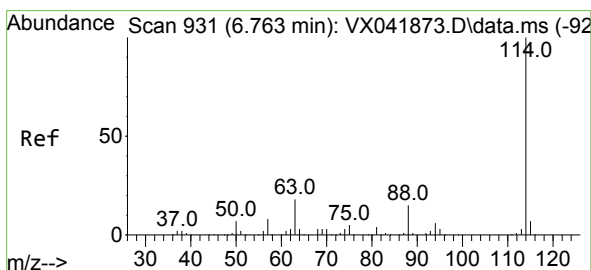
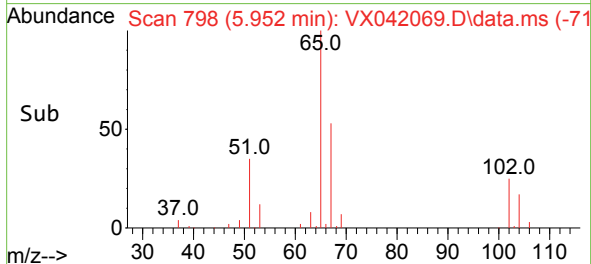
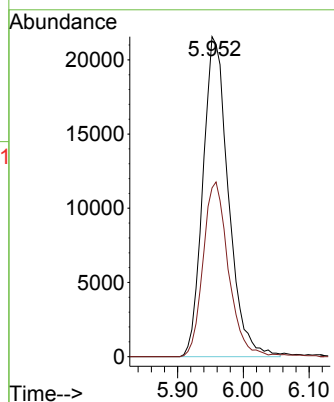
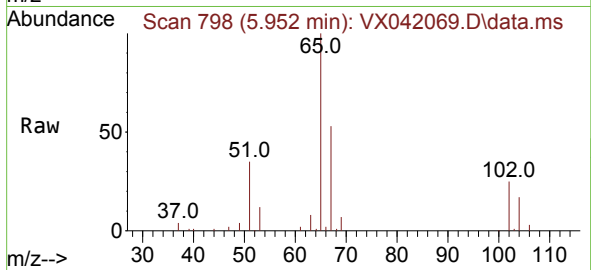




#27
 1,2-Dichloroethane-d4
 Concen: 28.984 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX042069.D
 Acq: 27 Jun 2024 13:02

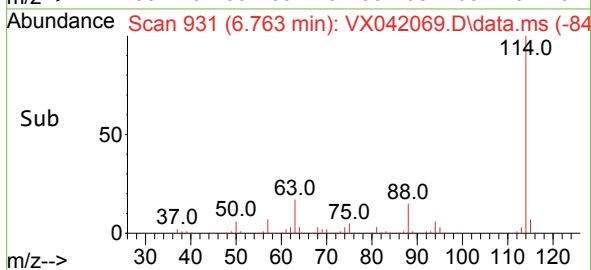
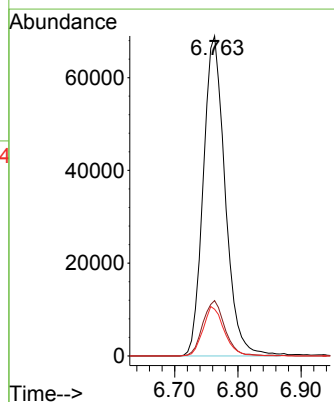
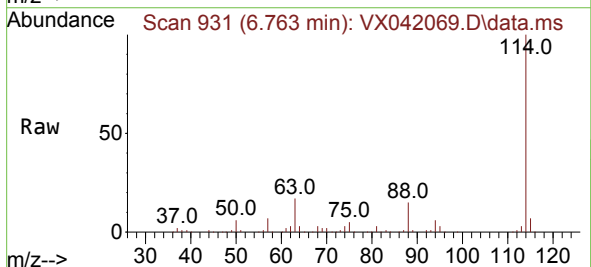
Instrument :
 MSVOA_X
 ClientSampleId :

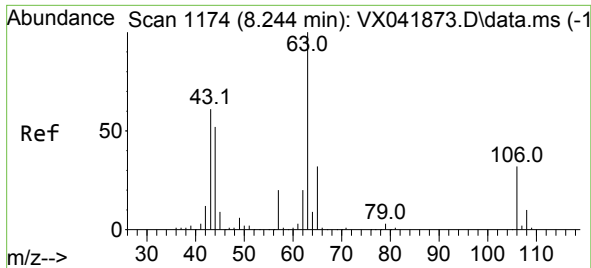
Tgt Ion: 65 Resp: 58059
 Ion Ratio Lower Upper
 65 100
 67 54.1 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX042069.D
 Acq: 27 Jun 2024 13:02

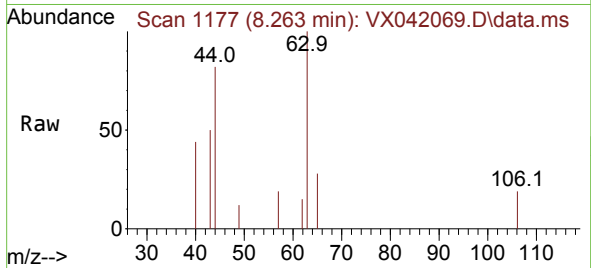
Tgt Ion: 114 Resp: 166098
 Ion Ratio Lower Upper
 114 100
 63 17.4 14.6 21.8
 88 15.0 11.8 17.8



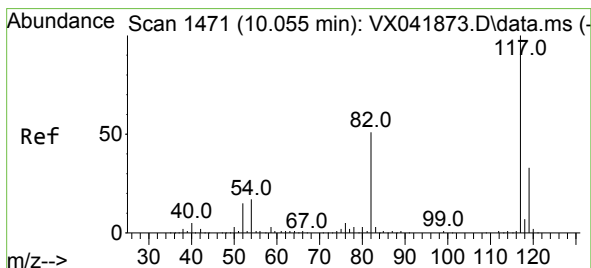
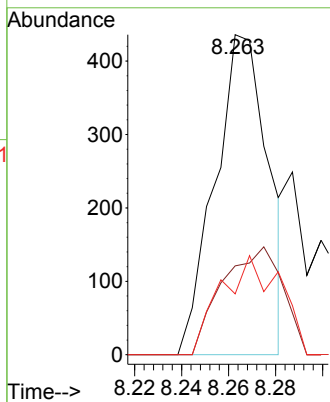
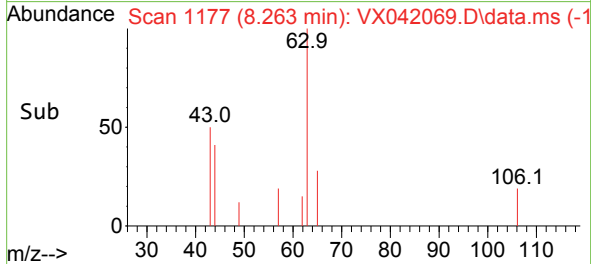


#55
2-Chloroethyl vinyl ether
Concen: 0.504 ug/l
RT: 8.263 min Scan# 1177
Delta R.T. 0.018 min
Lab File: VX042069.D
Acq: 27 Jun 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :

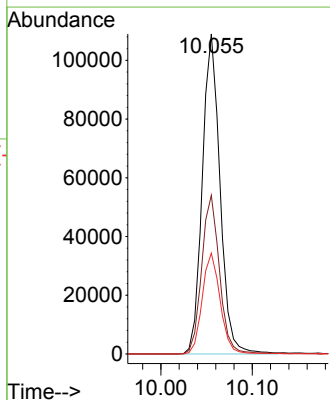
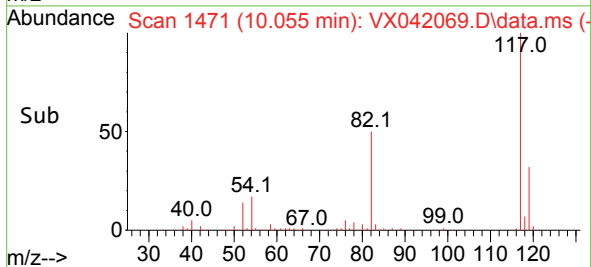
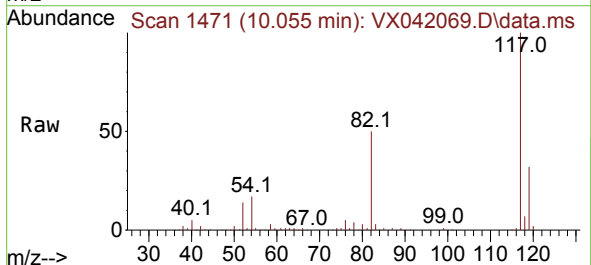


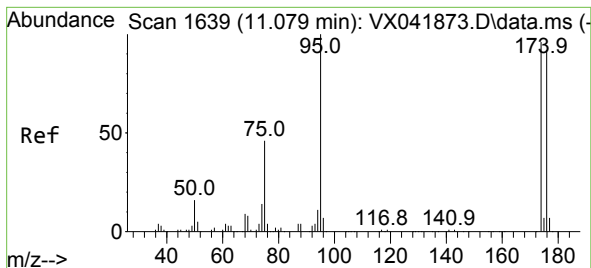
Tgt Ion: 63	Resp: 689		
Ion Ratio	Lower	Upper	
63 100			
65 38.2	25.7	38.5	
106 34.3	25.3	37.9	



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042069.D
Acq: 27 Jun 2024 13:02

Tgt Ion:117	Resp:	146699	
Ion	Ratio	Lower	Upper
117	100		
82	49.8	41.1	61.7
119	32.0	26.1	39.1

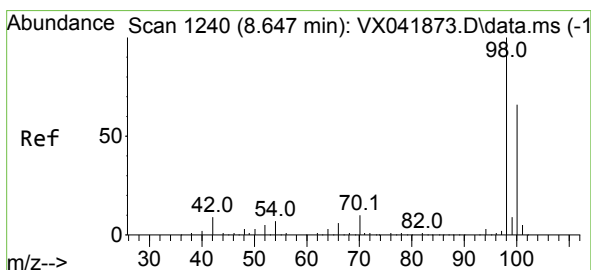
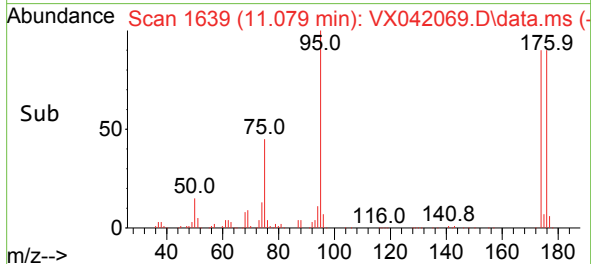
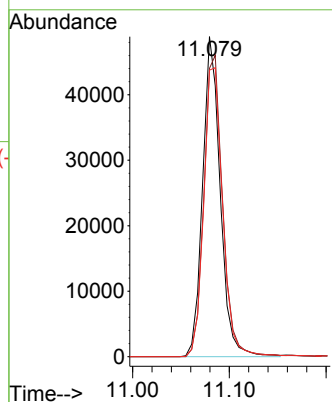
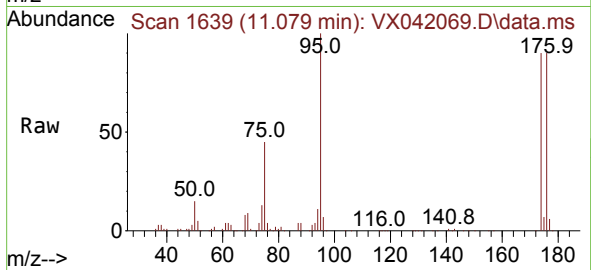




#60
4-Bromofluorobenzene
Concen: 27.304 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042069.D
Acq: 27 Jun 2024 13:02

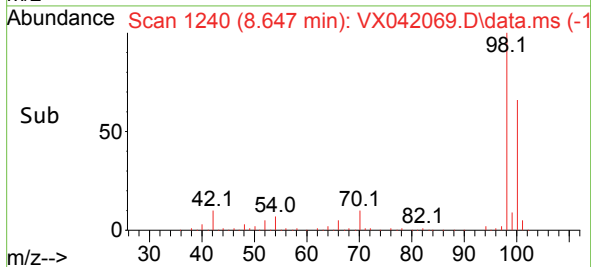
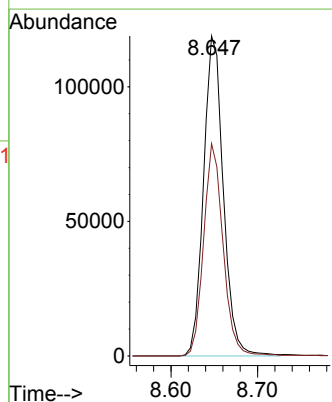
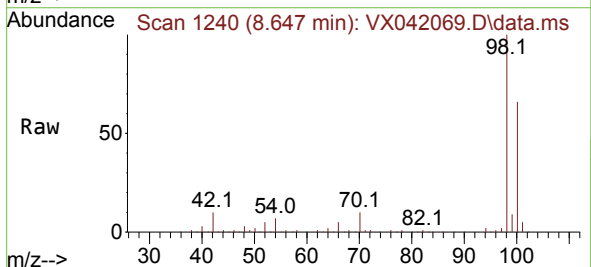
Instrument :
MSVOA_X
ClientSampleId :

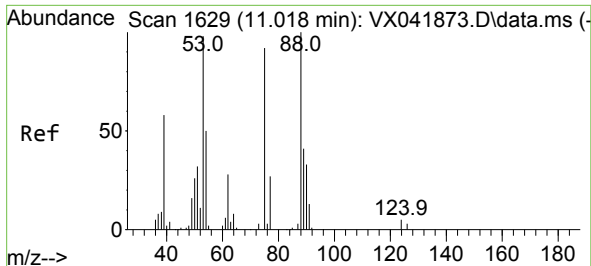
Tgt Ion: 95 Resp: 62001
Ion Ratio Lower Upper
95 100
174 99.9 78.9 118.3
176 97.5 77.1 115.7



#63
Toluene-d8
Concen: 30.085 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042069.D
Acq: 27 Jun 2024 13:02

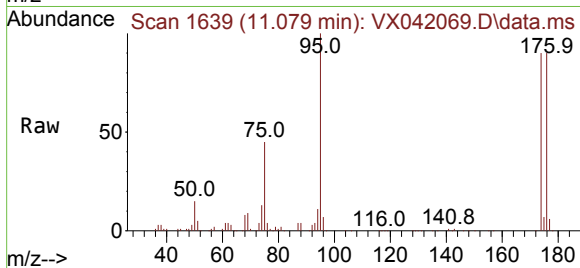
Tgt Ion: 98 Resp: 188820
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1



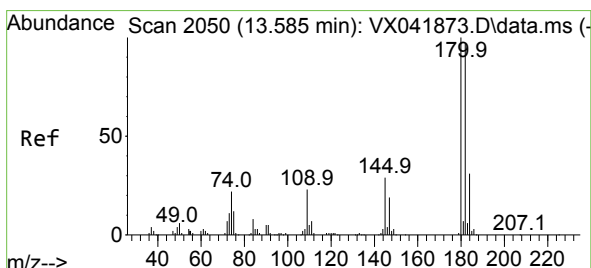
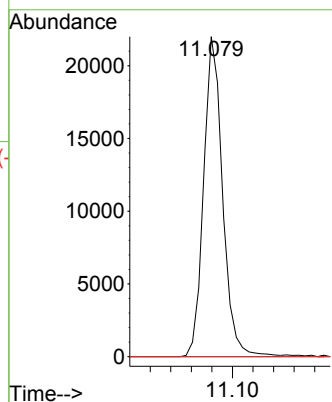
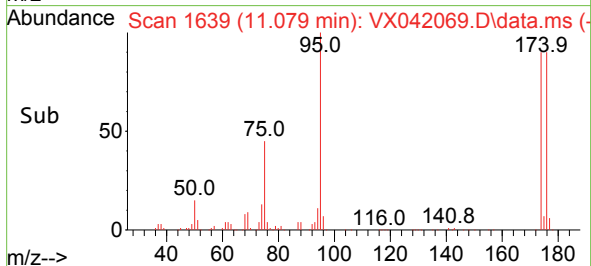


#77
 t-1,4-Dichloro-2-butene
 Concen: 33.258 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX042069.D
 Acq: 27 Jun 2024 13:02

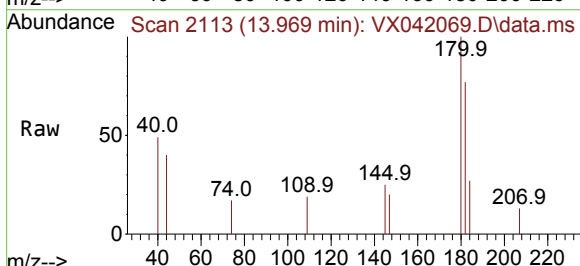
Instrument :
 MSVOA_X
 ClientSampleId :



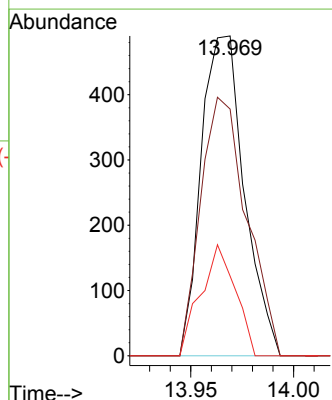
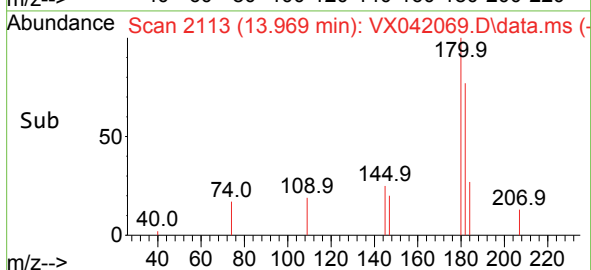
Tgt Ion: 75 Resp: 28223
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.4 160.2#
 89 0.0 22.5 67.5#

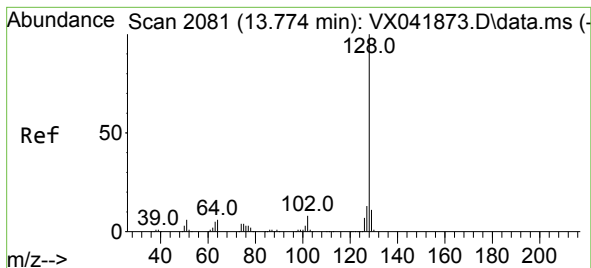


#89
 1,2,4-Trichlorobenzene
 Concen: 0.245 ug/l
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.384 min
 Lab File: VX042069.D
 Acq: 27 Jun 2024 13:02



Tgt Ion:180 Resp: 715
 Ion Ratio Lower Upper
 180 100
 182 86.3 76.9 115.3
 145 27.8 22.8 34.2





#91

Naphthalene

Concen: 0.403 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX042069.D

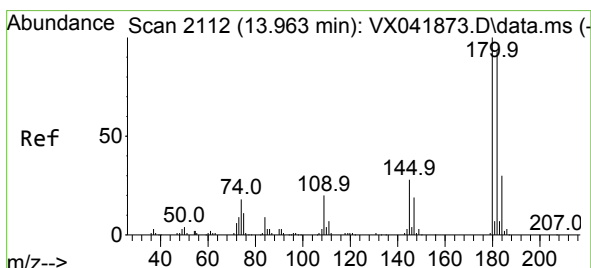
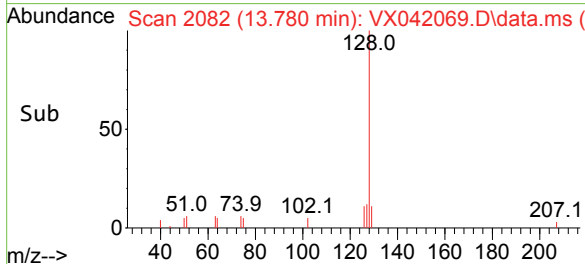
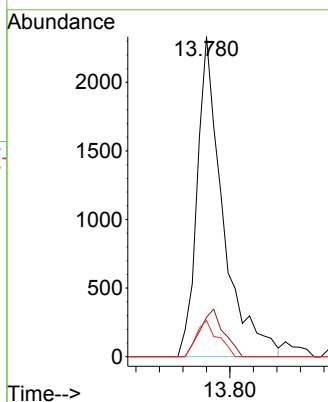
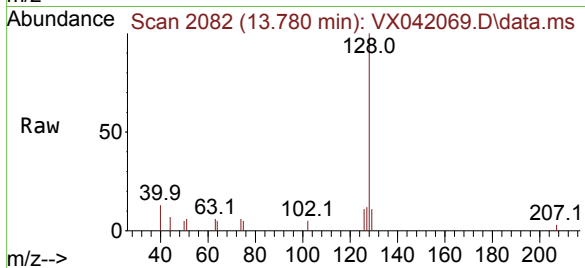
Acq: 27 Jun 2024 13:02

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:128	Resp:	3548
Ion Ratio	Lower	Upper
128	100	
127	13.6	10.4 15.6
129	9.5	8.7 13.1



#92

1,2,3-Trichlorobenzene

Concen: 0.237 ug/l

RT: 13.969 min Scan# 2113

Delta R.T. 0.006 min

Lab File: VX042069.D

Acq: 27 Jun 2024 13:02

Tgt Ion:180	Resp:	715
Ion Ratio	Lower	Upper
180	100	
182	86.3	0.0 187.8
145	27.8	0.0 58.4

