

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062424\
 Data File : VX041998.D
 Acq On : 24 Jun 2024 12:36
 Operator : JC/MD
 Sample : VX0624WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0624WBL01

Quant Time: Jun 25 05:57:30 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)

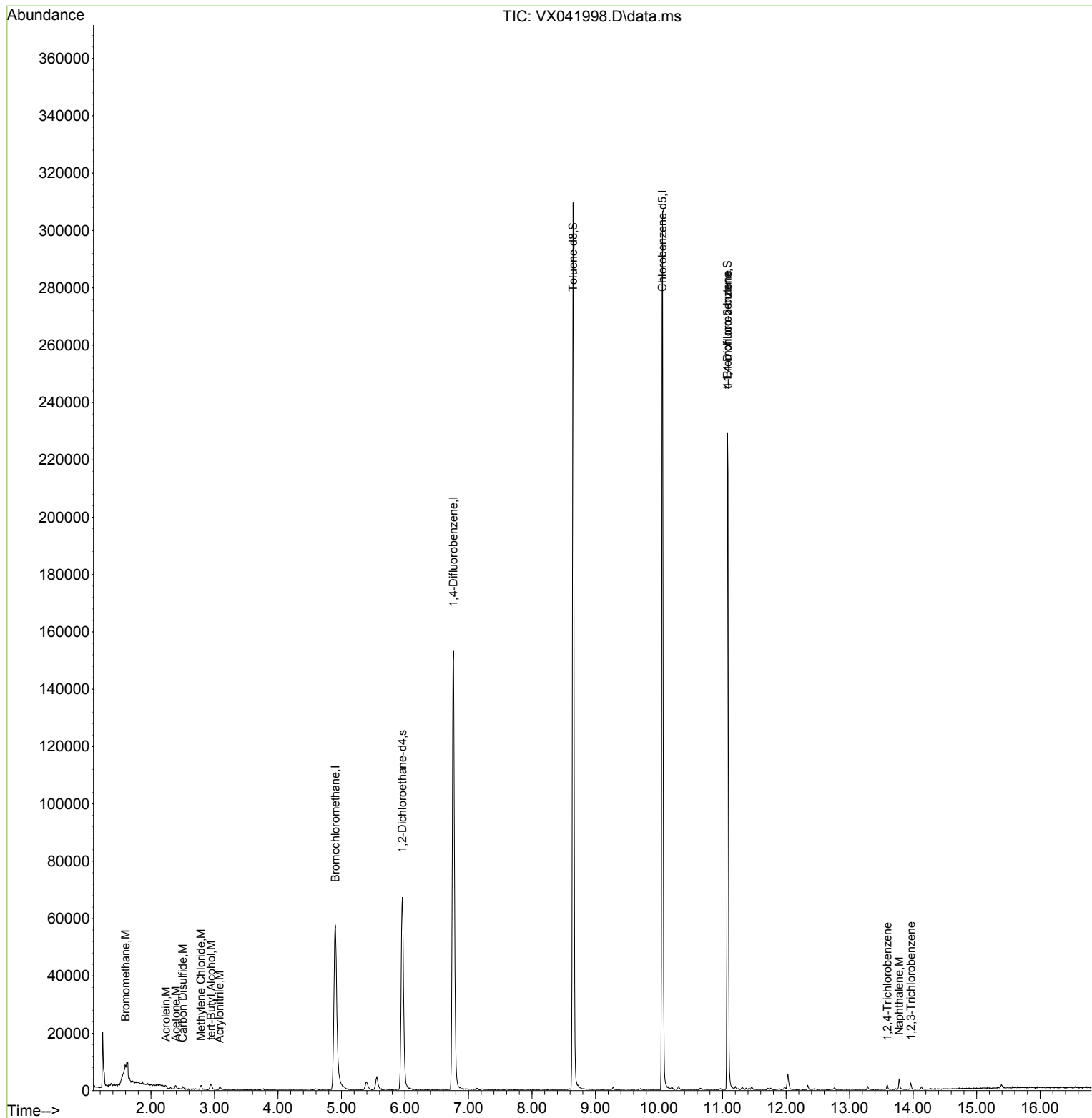
Internal Standards						
1) Bromochloromethane	4.903	128	30511	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	171757	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	152407	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	64239	30.585	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	101.933%		
60) 4-Bromofluorobenzene	11.079	95	62717	26.585	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	88.600%		
63) Toluene-d8	8.647	98	195453	29.975	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.933%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	505	0.438	ug/l	87
13) Acrolein	2.233	56	280	0.584	ug/l #	74
14) Acrylonitrile	3.081	53	364	0.323	ug/l #	75
15) Acetone	2.392	58	387	1.199	ug/l	75
16) Carbon Disulfide	2.501	76	1102	0.270	ug/l #	86
18) Methylene Chloride	2.788	84	731	0.342	ug/l #	81
23) tert-Butyl Alcohol	2.946	59	1291	3.077	ug/l #	100
77) t-1,4-Dichloro-2-butene	11.079	75	28780	32.644	ug/l #	7
89) 1,2,4-Trichlorobenzene	13.597	180	610	0.202	ug/l	84
91) Naphthalene	13.780	128	2831	0.310	ug/l	98
92) 1,2,3-Trichlorobenzene	13.969	180	771	0.246	ug/l	84

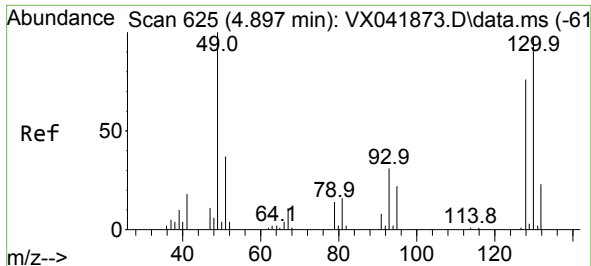
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062424\
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ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0624WBL01

Quant Time: Jun 25 05:57:30 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

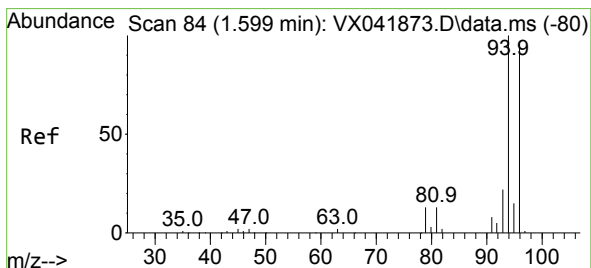
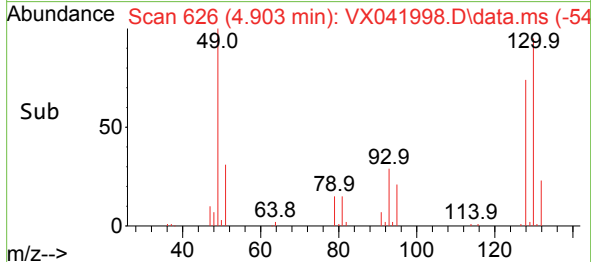
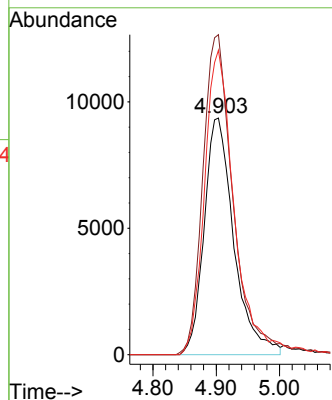
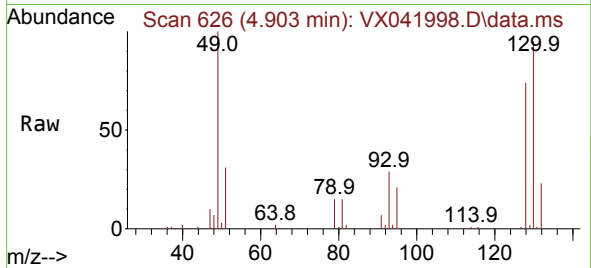




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX041998.D
Acq: 24 Jun 2024 12:36

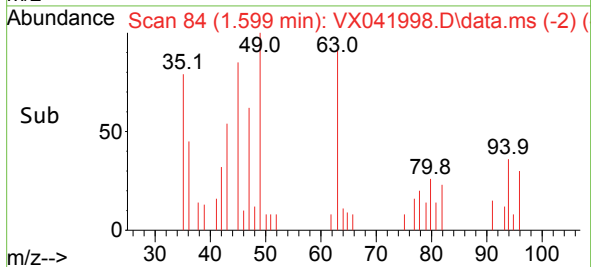
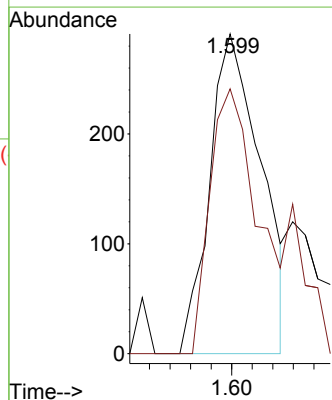
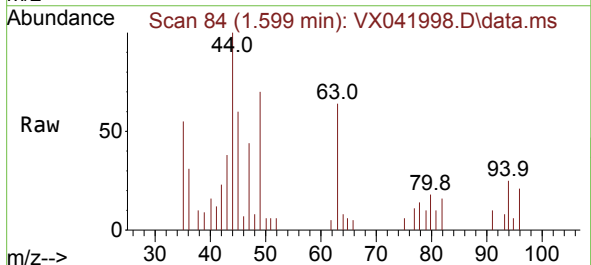
Instrument :
MSVOA_X
ClientSampleId :
VX0624WBL01

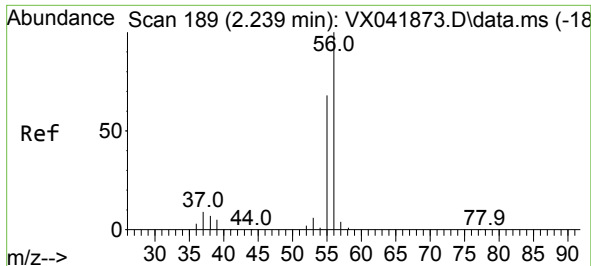
Tgt Ion:128 Resp: 30511
Ion Ratio Lower Upper
128 100
49 137.8 0.0 338.5
130 126.1 0.0 324.5



#5
Bromomethane
Concen: 0.438 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX041998.D
Acq: 24 Jun 2024 12:36

Tgt Ion: 94 Resp: 505
Ion Ratio Lower Upper
94 100
96 82.8 76.6 115.0

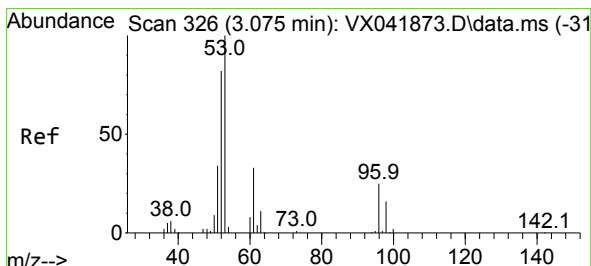
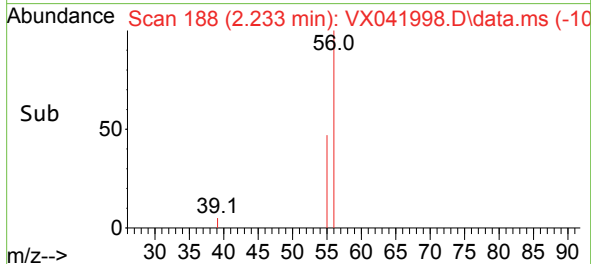
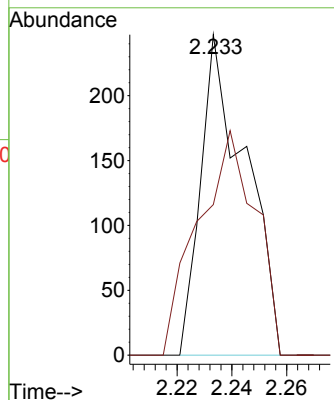
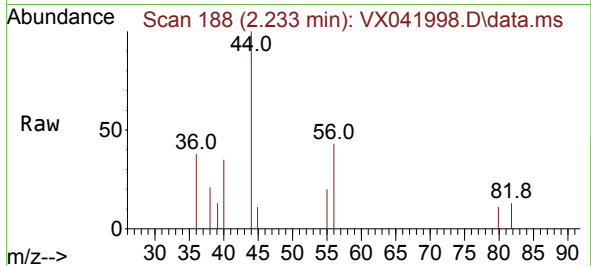




#13
Acrolein
Concen: 0.584 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX041998.D
Acq: 24 Jun 2024 12:36

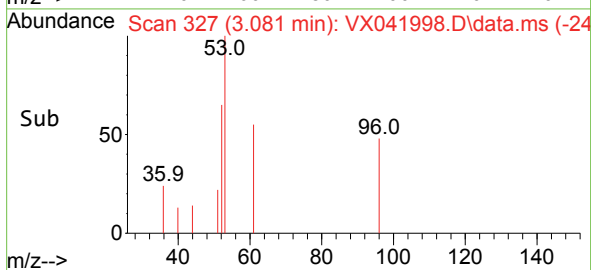
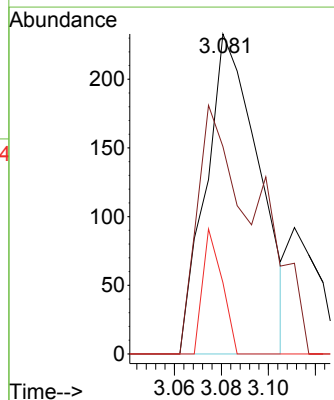
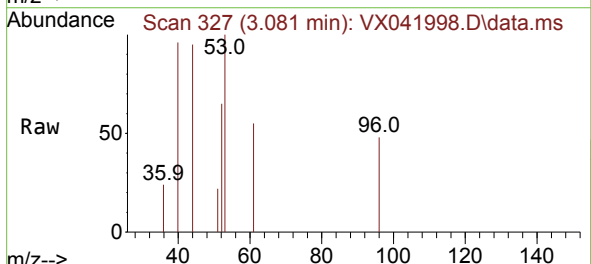
Instrument :
MSVOA_X
ClientSampleId :
VX0624WBL01

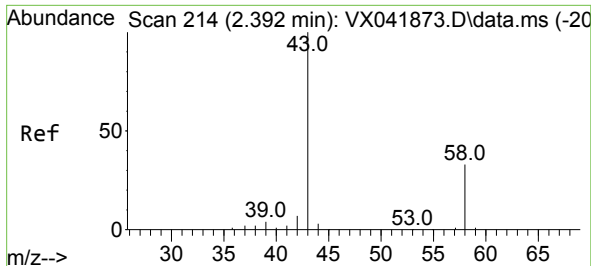
Tgt Ion: 56 Resp: 280
Ion Ratio Lower Upper
56 100
55 90.0 55.4 83.0#



#14
Acrylonitrile
Concen: 0.323 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.006 min
Lab File: VX041998.D
Acq: 24 Jun 2024 12:36

Tgt Ion: 53 Resp: 364
Ion Ratio Lower Upper
53 100
52 62.4 39.9 119.7
51 14.3 17.4 52.3#





#15

Acetone

Concen: 1.199 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX041998.D

Acq: 24 Jun 2024 12:36

Instrument :

MSVOA_X

ClientSampleId :

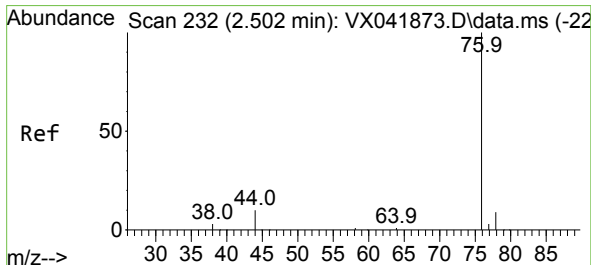
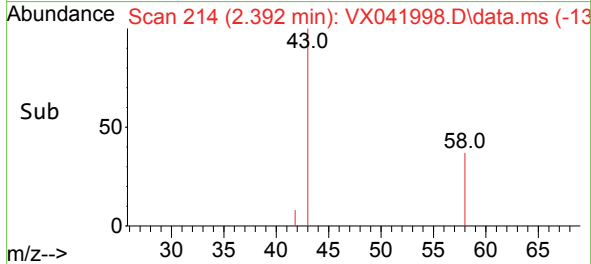
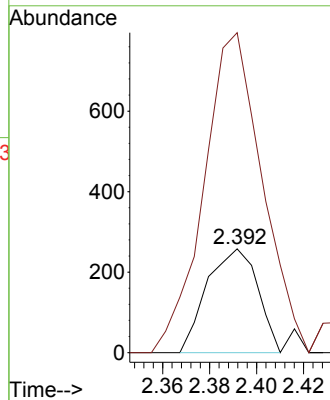
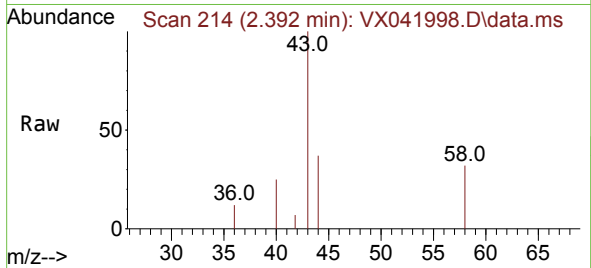
VX0624WBL01

Tgt Ion: 58 Resp: 387

Ion Ratio Lower Upper

58 100

43 254.7 243.4 365.2



#16

Carbon Disulfide

Concen: 0.270 ug/l

RT: 2.501 min Scan# 232

Delta R.T. -0.000 min

Lab File: VX041998.D

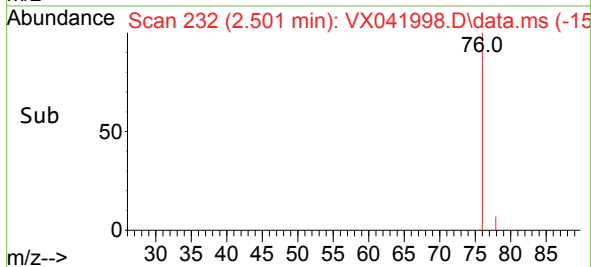
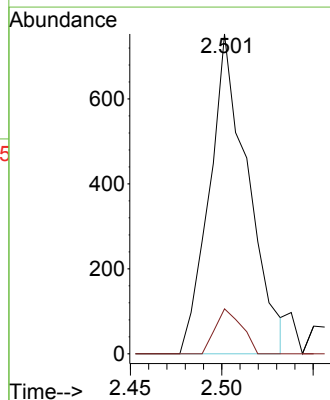
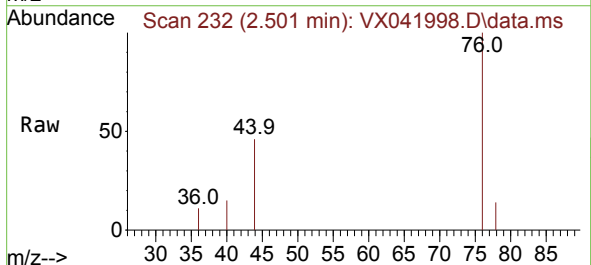
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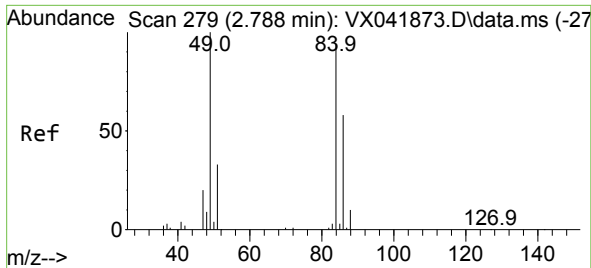
Tgt Ion: 76 Resp: 1102

Ion Ratio Lower Upper

76 100

78 14.1 7.3 10.9#





#18

Methylene Chloride

Concen: 0.342 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX041998.D

Acq: 24 Jun 2024 12:36

Instrument :

MSVOA_X

ClientSampleId :

VX0624WBL01

Tgt Ion: 84 Resp: 731

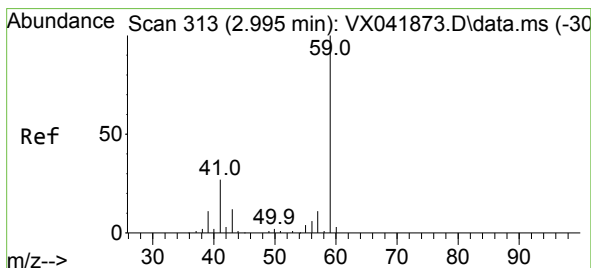
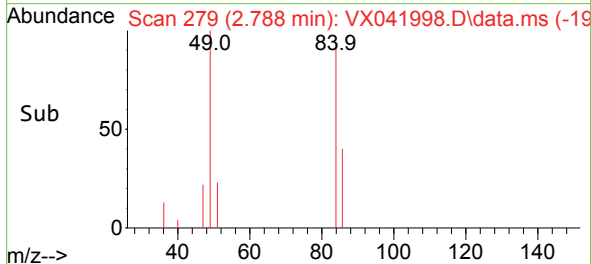
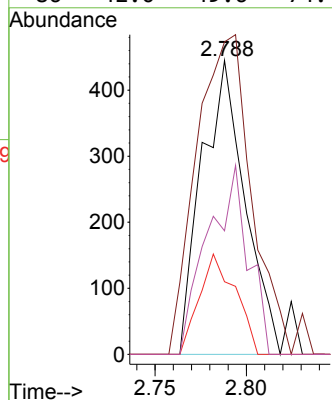
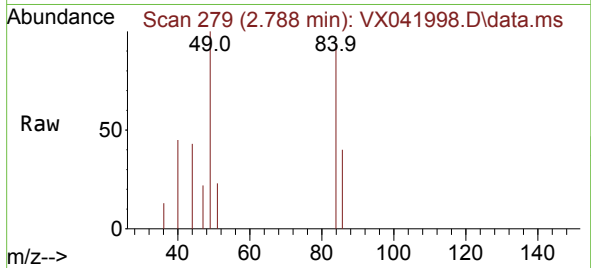
Ion Ratio Lower Upper

84 100

49 91.5 85.3 127.9

51 24.7 28.5 42.7#

86 42.0 49.6 74.4#



#23

tert-Butyl Alcohol

Concen: 3.077 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.049 min

Lab File: VX041998.D

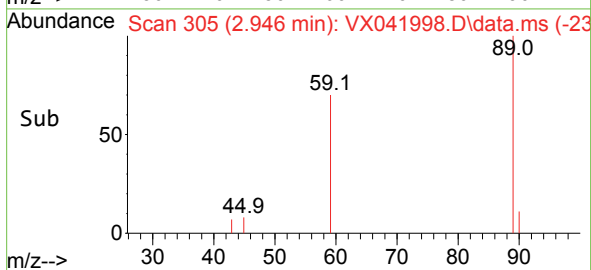
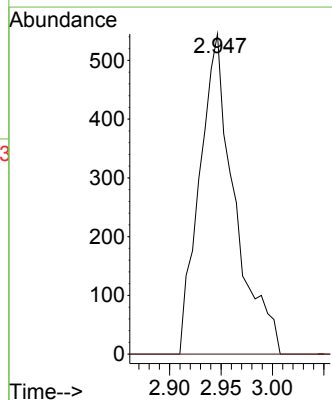
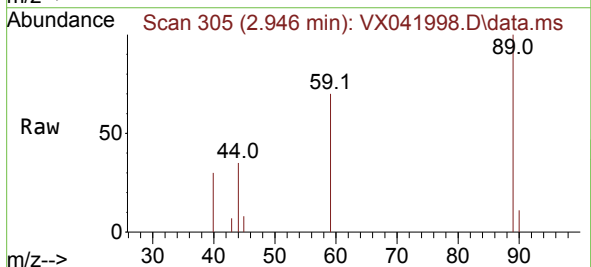
Acq: 24 Jun 2024 12:36

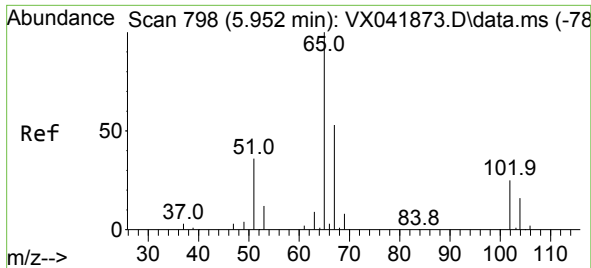
Tgt Ion: 59 Resp: 1291

Ion Ratio Lower Upper

59 100

52 17.6 0.0 0.0#

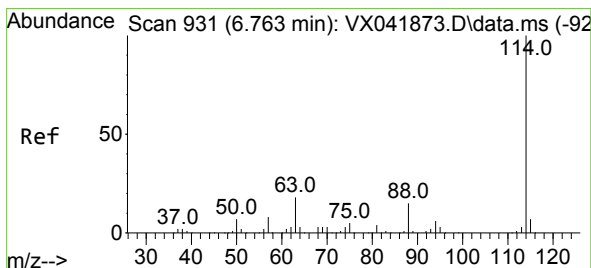
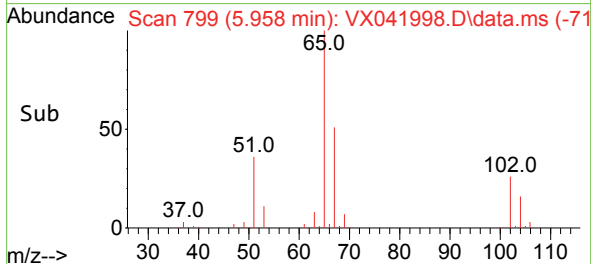
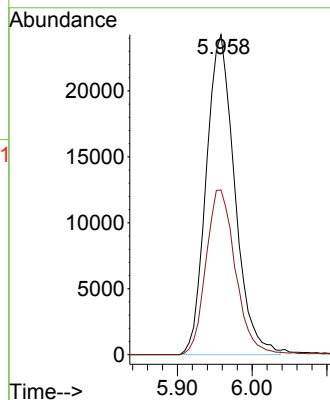
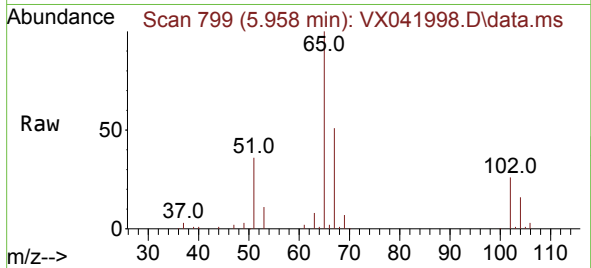




#27
 1,2-Dichloroethane-d4
 Concen: 30.585 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX041998.D
 Acq: 24 Jun 2024 12:36

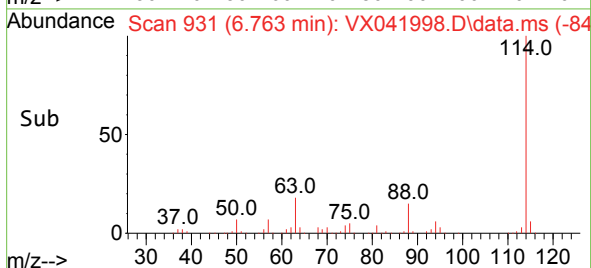
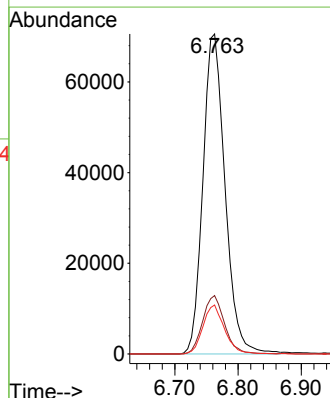
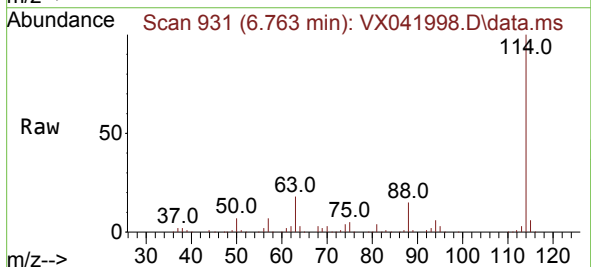
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0624WBL01

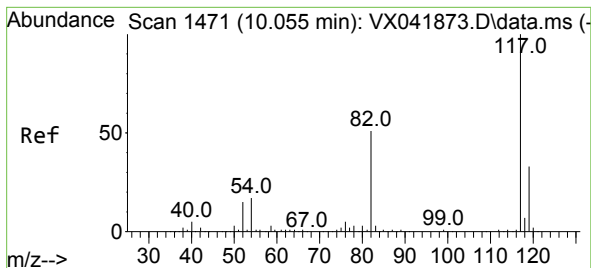
Tgt Ion: 65 Resp: 64239
 Ion Ratio Lower Upper
 65 100
 67 53.2 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX041998.D
 Acq: 24 Jun 2024 12:36

Tgt Ion: 114 Resp: 171757
 Ion Ratio Lower Upper
 114 100
 63 18.1 14.6 21.8
 88 14.9 11.8 17.8

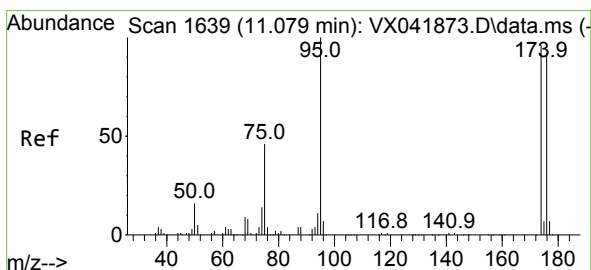
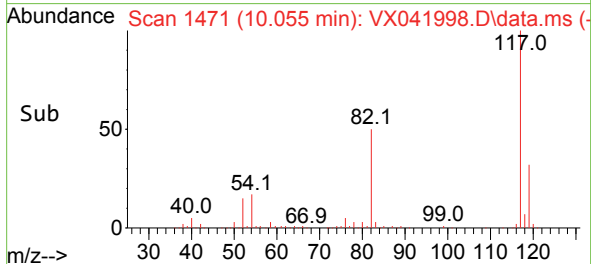
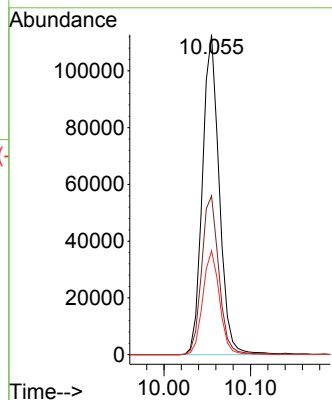
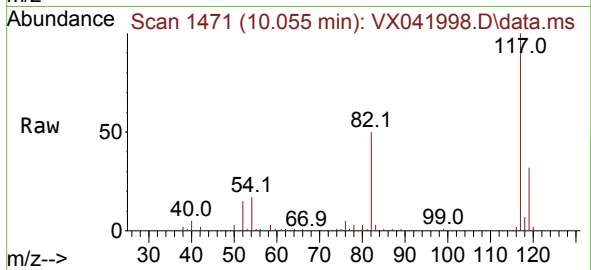




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041998.D
Acq: 24 Jun 2024 12:36

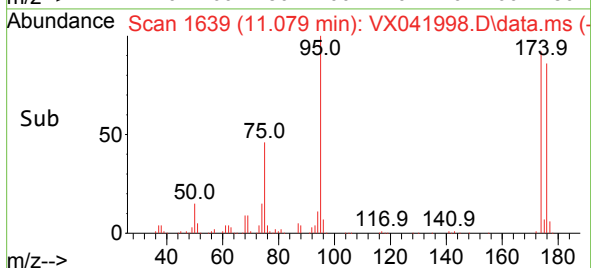
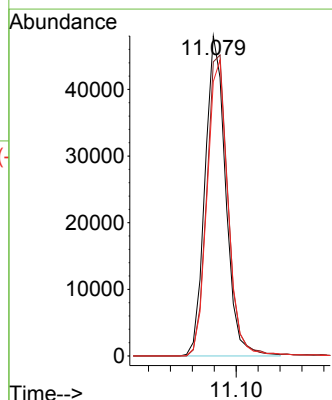
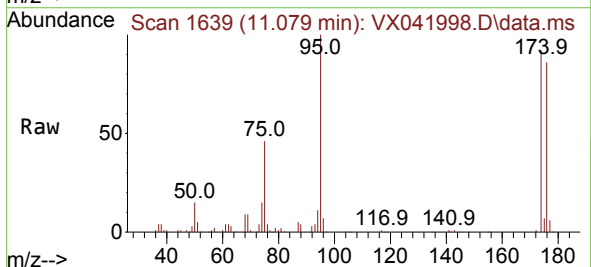
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ClientSampleId :
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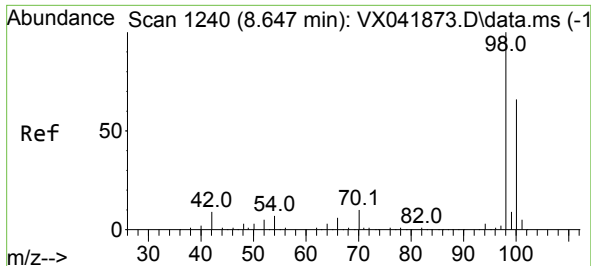
Tgt Ion:117 Resp: 152407
Ion Ratio Lower Upper
117 100
82 50.9 41.1 61.7
119 32.5 26.1 39.1



#60
4-Bromofluorobenzene
Concen: 26.585 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041998.D
Acq: 24 Jun 2024 12:36

Tgt Ion: 95 Resp: 62717
Ion Ratio Lower Upper
95 100
174 97.3 78.9 118.3
176 94.3 77.1 115.7

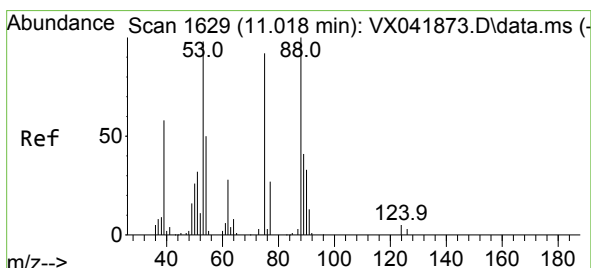
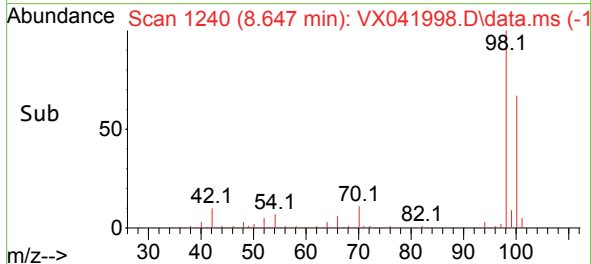
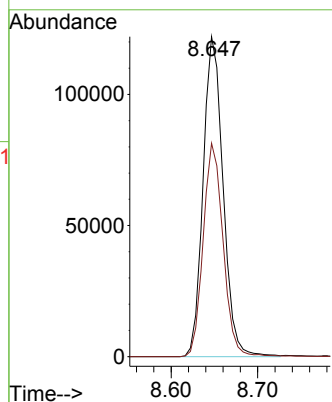
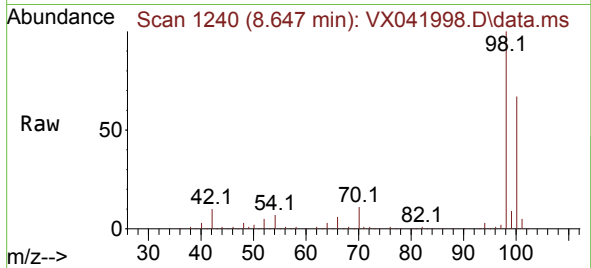




#63
Toluene-d8
Concen: 29.975 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041998.D
Acq: 24 Jun 2024 12:36

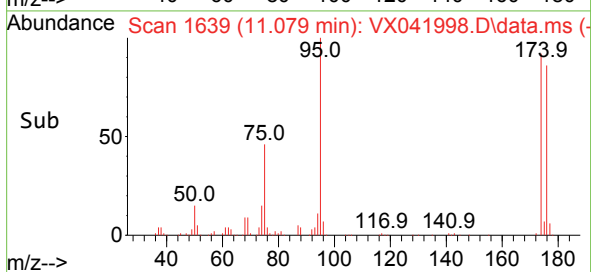
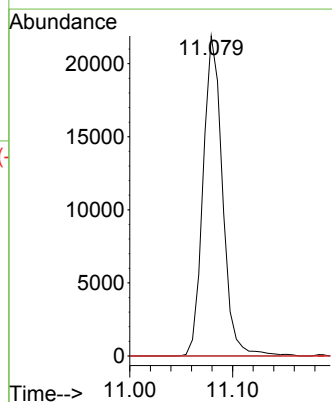
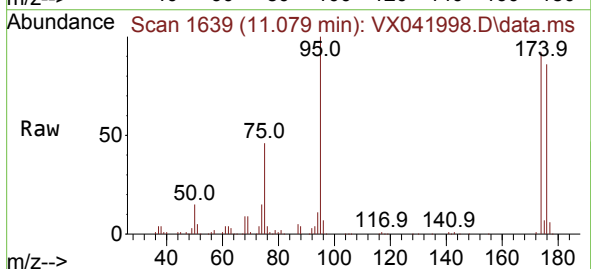
Instrument :
MSVOA_X
ClientSampleId :
VX0624WBL01

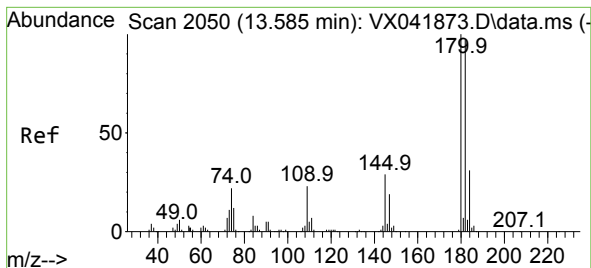
Tgt Ion: 98 Resp: 195453
Ion Ratio Lower Upper
98 100
100 66.4 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 32.644 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041998.D
Acq: 24 Jun 2024 12:36

Tgt Ion: 75 Resp: 28780
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: 0.202 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX041998.D

Acq: 24 Jun 2024 12:36

Instrument :

MSVOA_X

ClientSampleId :

VX0624WBL01

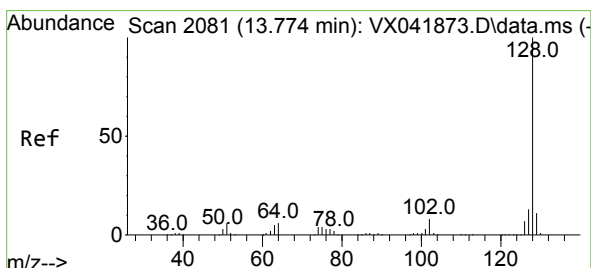
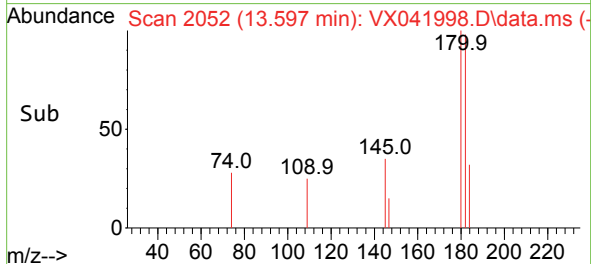
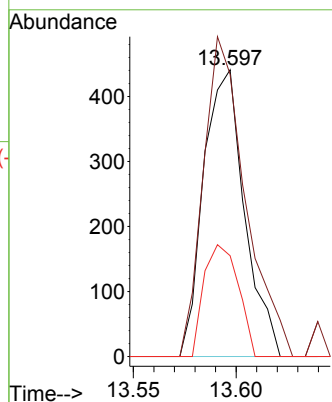
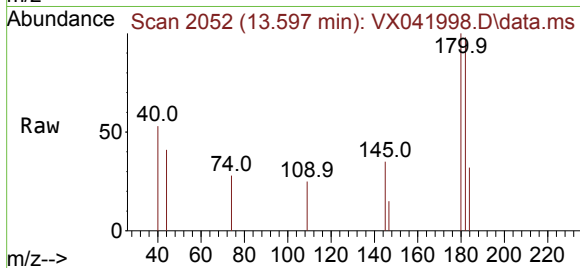
Tgt Ion:180 Resp: 610

Ion Ratio Lower Upper

180 100

182 114.6 76.9 115.3

145 32.8 22.8 34.2



#91

Naphthalene

Concen: 0.310 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX041998.D

Acq: 24 Jun 2024 12:36

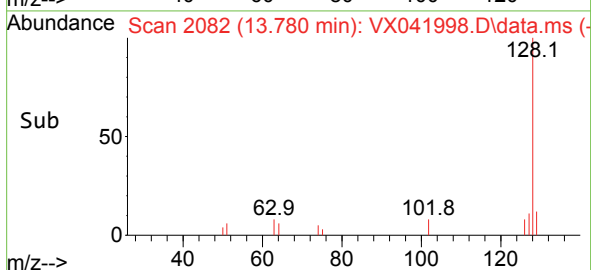
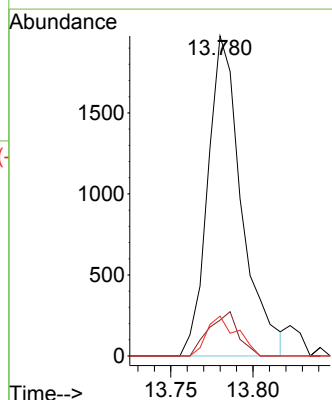
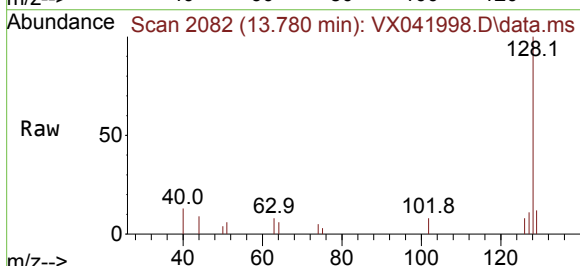
Tgt Ion:128 Resp: 2831

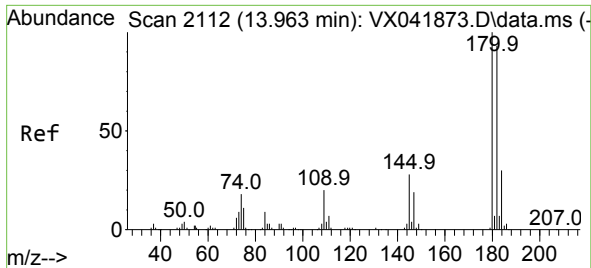
Ion Ratio Lower Upper

128 100

127 12.0 10.4 15.6

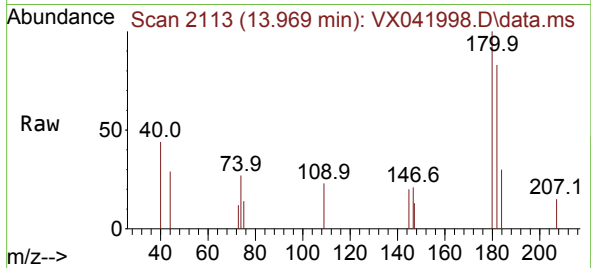
129 11.1 8.7 13.1





#92
 1,2,3-Trichlorobenzene
 Concen: 0.246 ug/l
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.006 min
 Lab File: VX041998.D
 Acq: 24 Jun 2024 12:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0624WBL01



Tgt Ion:	180	Resp:	771
Ion	Ratio	Lower	Upper
180	100		
182	112.6	0.0	187.8
145	32.3	0.0	58.4

