

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
 Data File : VX042297.D
 Acq On : 12 Jul 2024 13:04
 Operator : JC/MD
 Sample : VX0712WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 15 02:54:16 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)

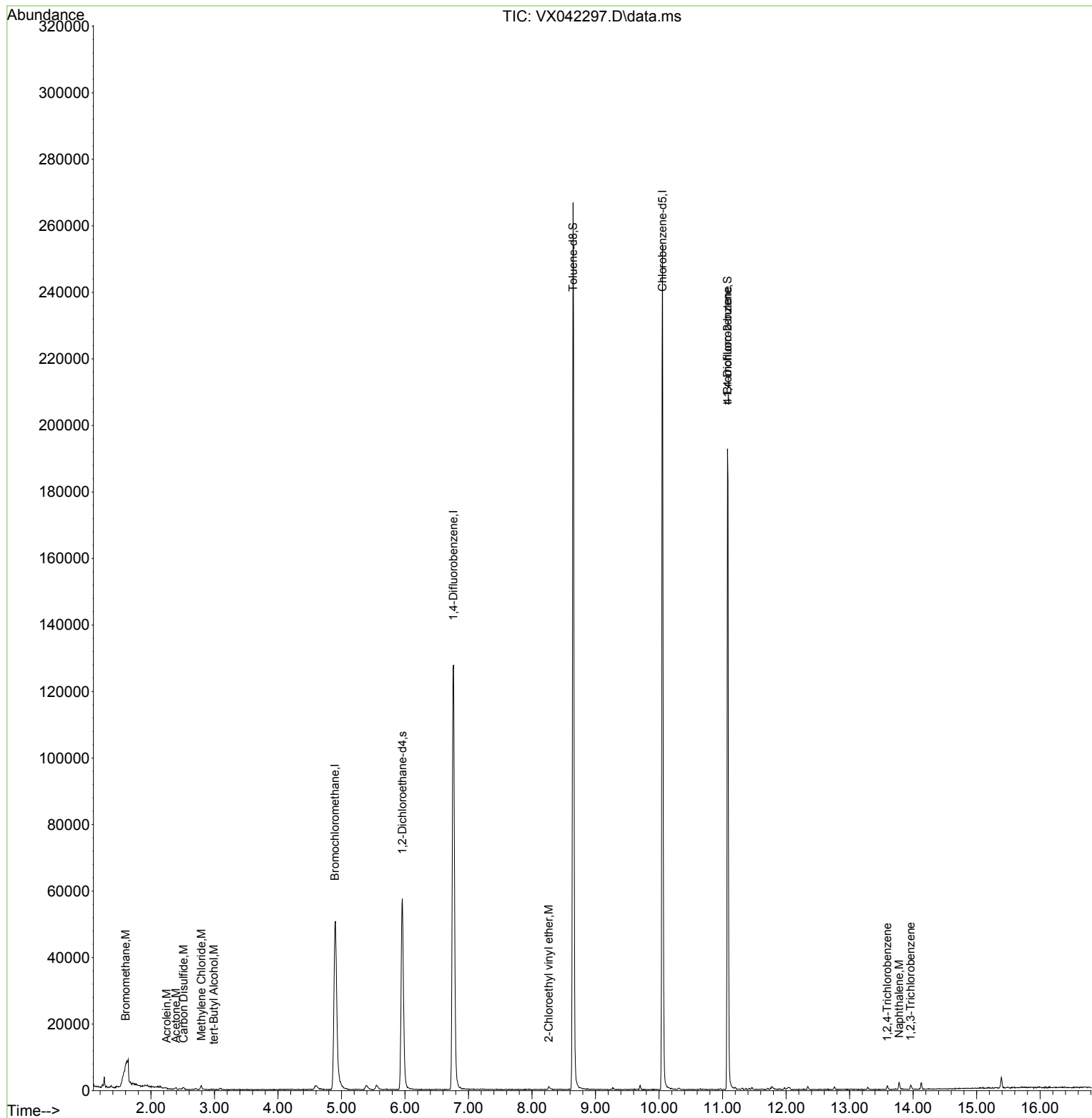
Internal Standards						
1) Bromochloromethane	4.897	128	26130	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	147668	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	126134	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	53834	29.928	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.767%
60) 4-Bromofluorobenzene	11.079	95	52746	27.015	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.067%
63) Toluene-d8	8.647	98	162779	30.164	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.533%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	450	0.455	ug/l #	78
13) Acrolein	2.245	56	257	0.626	ug/l #	70
15) Acetone	2.392	58	118	0.427	ug/l #	34
16) Carbon Disulfide	2.514	76	936	0.267	ug/l #	75
18) Methylene Chloride	2.794	84	602	0.329	ug/l #	78
23) tert-Butyl Alcohol	2.989	59	124	0.345	ug/l #	100
55) 2-Chloroethyl vinyl ether	8.263	63	307	0.252	ug/l #	71
77) t-1,4-Dichloro-2-butene	11.079	75	23671	32.442	ug/l #	7
89) 1,2,4-Trichlorobenzene	13.591	180	597	0.238	ug/l	90
91) Naphthalene	13.780	128	2328	0.308	ug/l	96
92) 1,2,3-Trichlorobenzene	13.963	180	659	0.254	ug/l	83

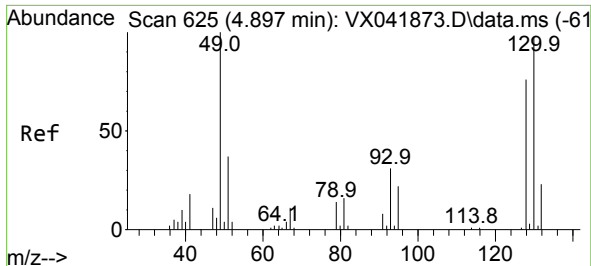
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
Data File : VX042297.D
Acq On : 12 Jul 2024 13:04
Operator : JC/MD
Sample : VX0712WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

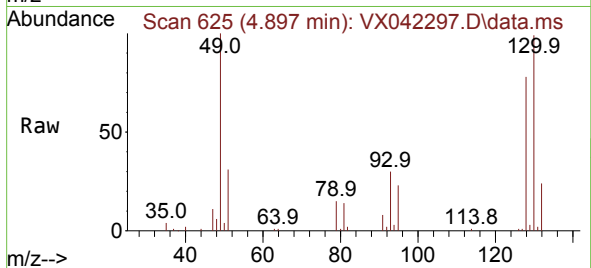
Quant Time: Jul 15 02:54:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
Response via : Initial Calibration



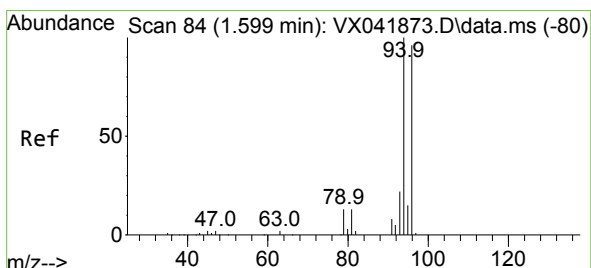
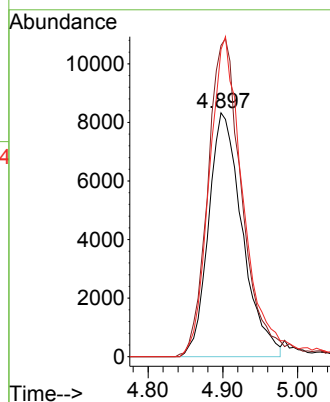
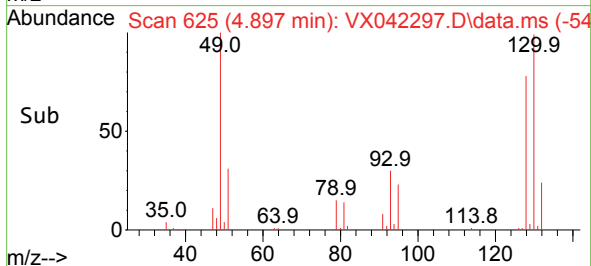


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX042297.D
Acq: 12 Jul 2024 13:04

Instrument :
MSVOA_X
ClientSampleId :

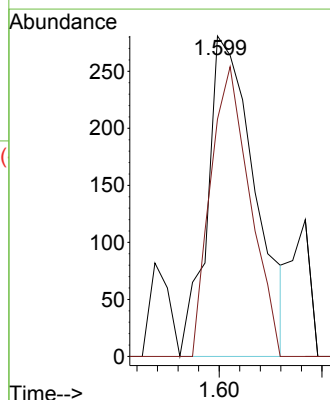
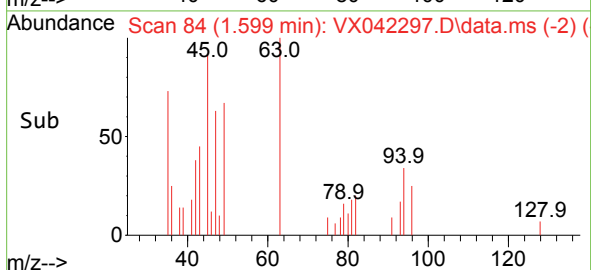
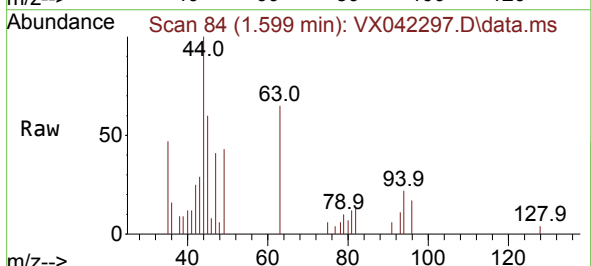


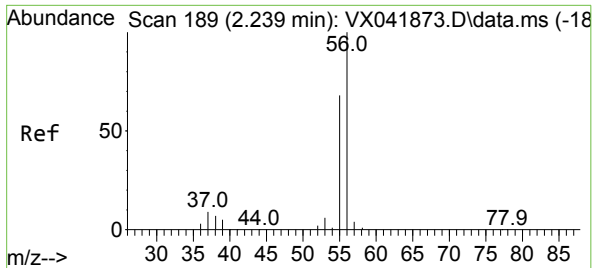
Tgt Ion:128 Resp: 26130
Ion Ratio Lower Upper
128 100
49 131.1 0.0 338.5
130 132.2 0.0 324.5



#5
Bromomethane
Concen: 0.455 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX042297.D
Acq: 12 Jul 2024 13:04

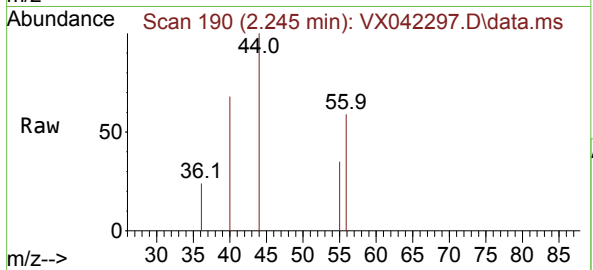
Tgt Ion: 94 Resp: 450
Ion Ratio Lower Upper
94 100
96 74.0 76.6 115.0#



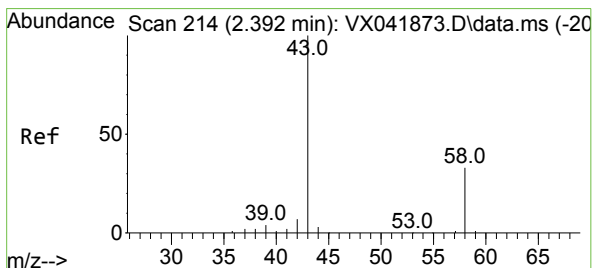
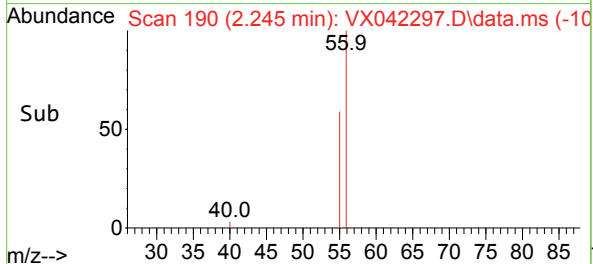
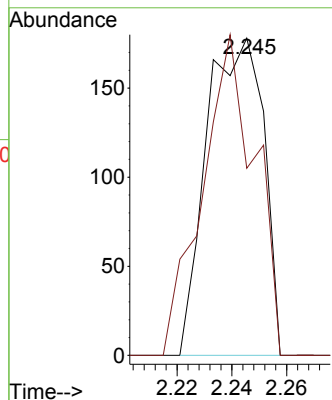


#13
Acrolein
Concen: 0.626 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX042297.D
Acq: 12 Jul 2024 13:04

Instrument :
MSVOA_X
ClientSampleId :

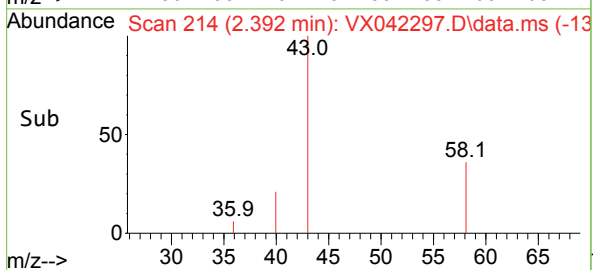
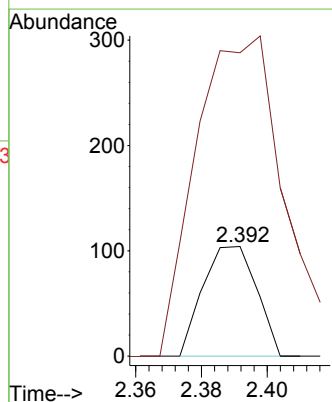
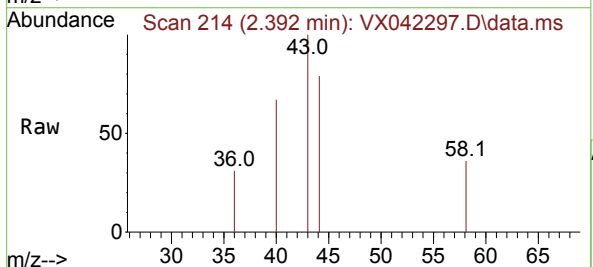


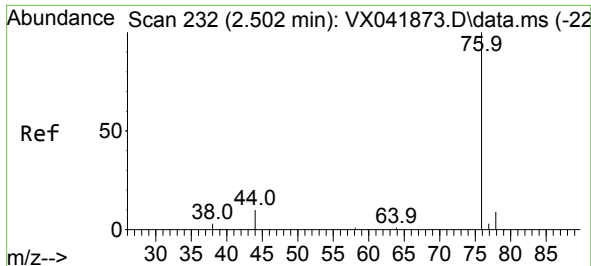
Tgt Ion: 56 Resp: 257
Ion Ratio Lower Upper
56 100
55 93.4 55.4 83.0#



#15
Acetone
Concen: 0.427 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX042297.D
Acq: 12 Jul 2024 13:04

Tgt Ion: 58 Resp: 118
Ion Ratio Lower Upper
58 100
43 173.1 243.4 365.2#

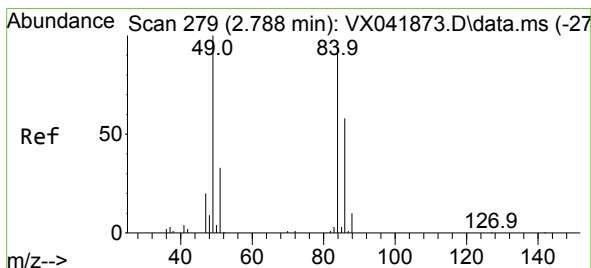
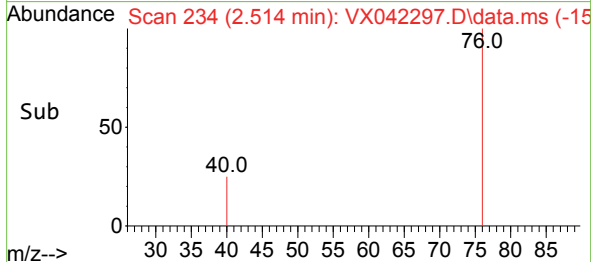
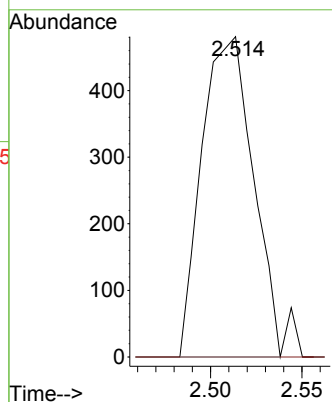
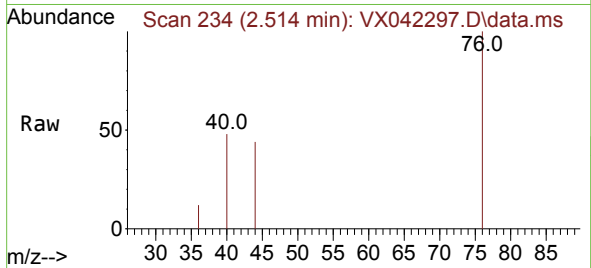




#16
Carbon Disulfide
Concen: 0.267 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX042297.D
Acq: 12 Jul 2024 13:04

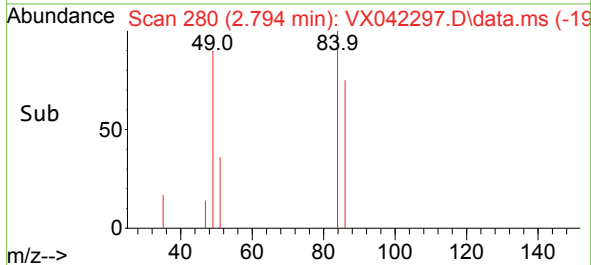
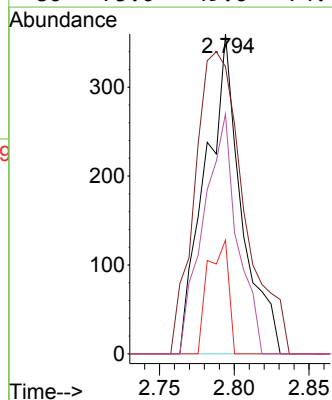
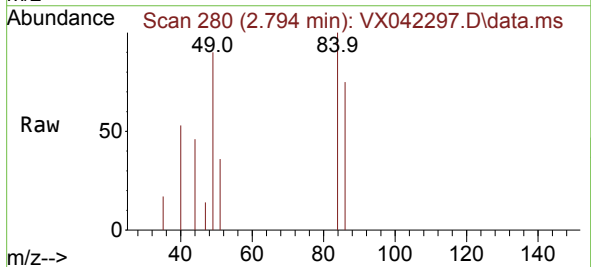
Instrument :
MSVOA_X
ClientSampleId :

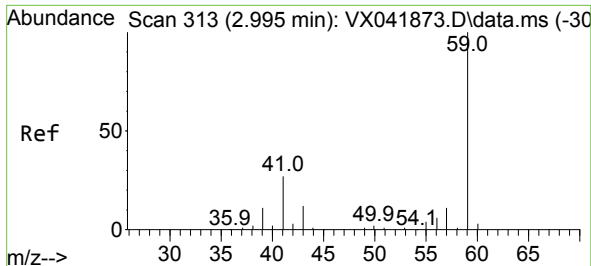
Tgt Ion: 76 Resp: 936
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methylene Chloride
Concen: 0.329 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX042297.D
Acq: 12 Jul 2024 13:04

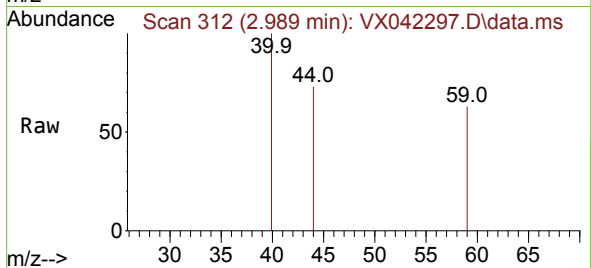
Tgt Ion: 84 Resp: 602
Ion Ratio Lower Upper
84 100
49 72.8 85.3 127.9#
51 35.6 28.5 42.7
86 75.0 49.6 74.4#



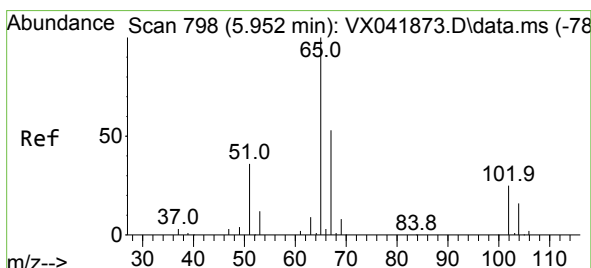
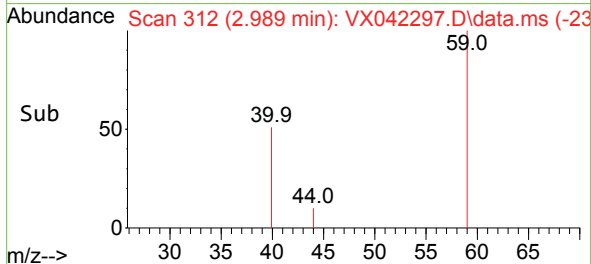
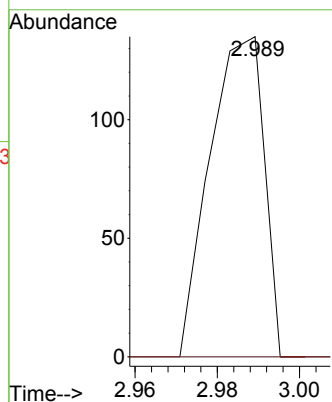


#23
tert-Butyl Alcohol
Concen: 0.345 ug/l
RT: 2.989 min Scan# 313
Delta R.T. -0.006 min
Lab File: VX042297.D
Acq: 12 Jul 2024 13:04

Instrument :
MSVOA_X
ClientSampleId :

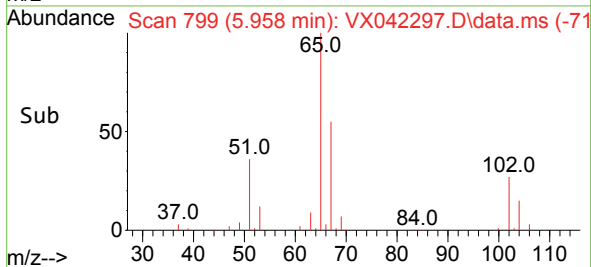
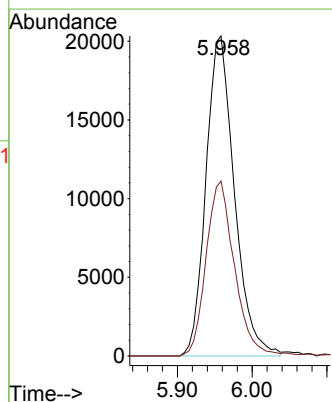
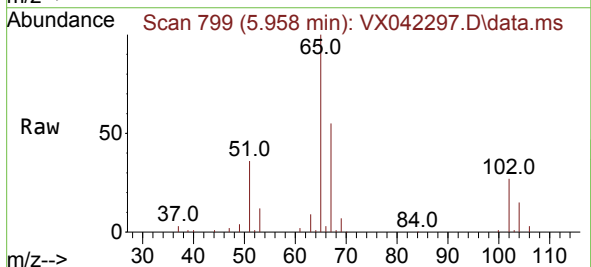


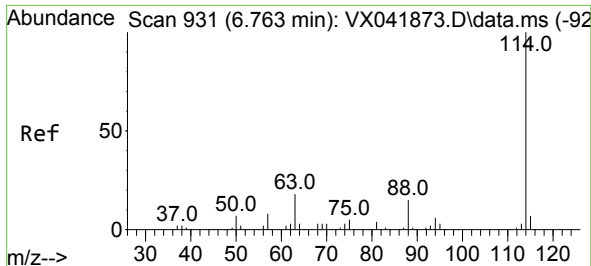
Tgt Ion: 59 Resp: 124
Ion Ratio Lower Upper
59 100
52 52.4 0.0 0.0#



#27
1,2-Dichloroethane-d4
Concen: 29.928 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX042297.D
Acq: 12 Jul 2024 13:04

Tgt Ion: 65 Resp: 53834
Ion Ratio Lower Upper
65 100
67 54.3 43.4 65.0





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX042297.D

Acq: 12 Jul 2024 13:04

Instrument :

MSVOA_X

ClientSampleId :

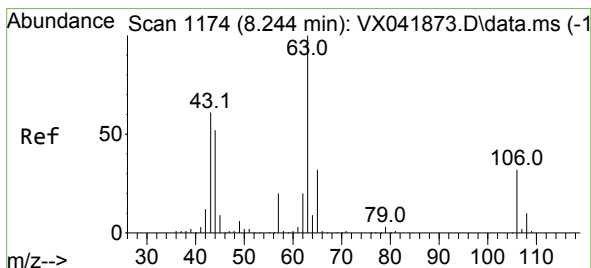
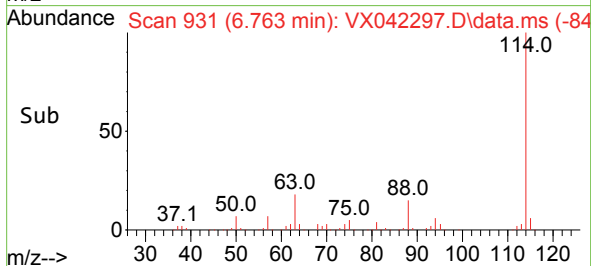
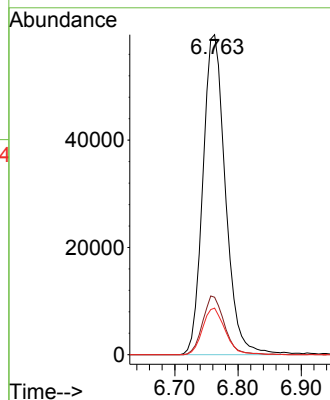
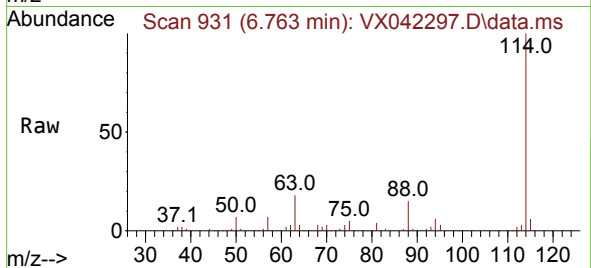
Tgt Ion:114 Resp: 147668

Ion Ratio Lower Upper

114 100

63 17.7 14.6 21.8

88 14.6 11.8 17.8



#55

2-Chloroethyl vinyl ether

Concen: 0.252 ug/l

RT: 8.263 min Scan# 1177

Delta R.T. 0.018 min

Lab File: VX042297.D

Acq: 12 Jul 2024 13:04

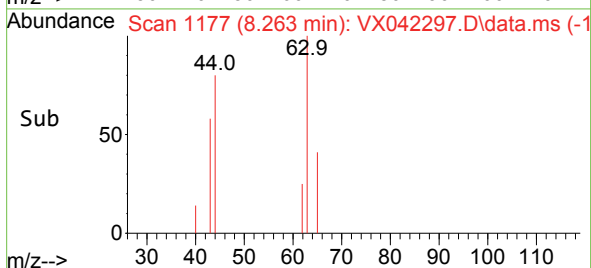
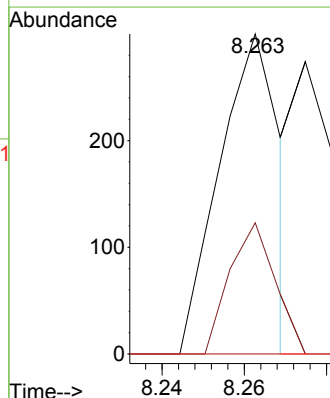
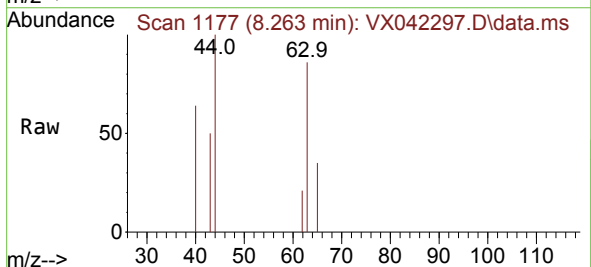
Tgt Ion: 63 Resp: 307

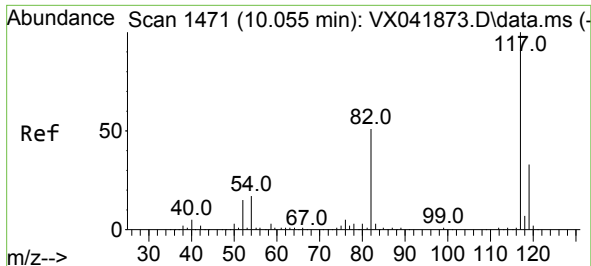
Ion Ratio Lower Upper

63 100

65 30.9 25.7 38.5

106 0.0 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: VX042297.D

Acq: 12 Jul 2024 13:04

Instrument :

MSVOA_X

ClientSampleId :

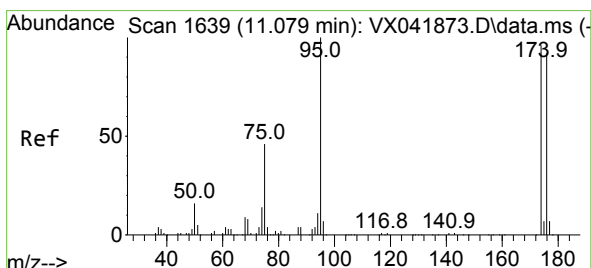
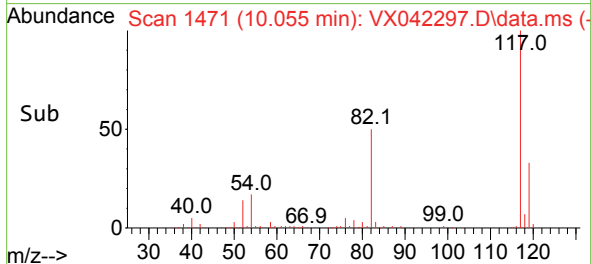
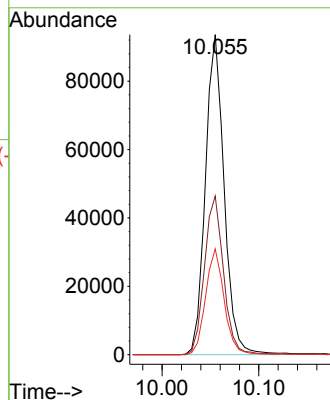
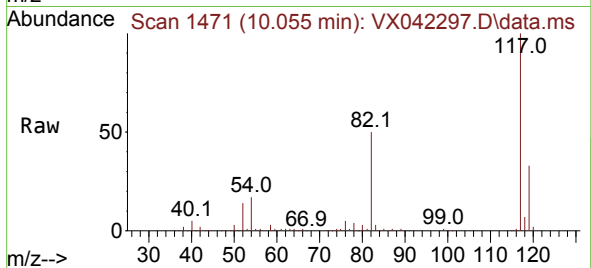
Tgt Ion:117 Resp: 126134

Ion Ratio Lower Upper

117 100

82 50.6 41.1 61.7

119 32.8 26.1 39.1



#60

4-Bromofluorobenzene

Concen: 27.015 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX042297.D

Acq: 12 Jul 2024 13:04

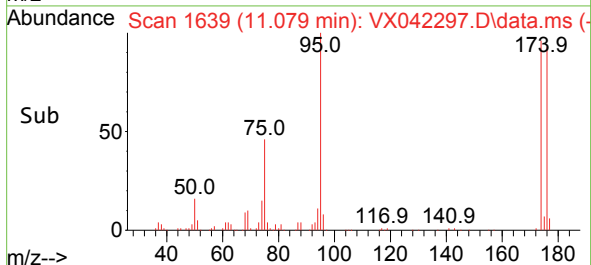
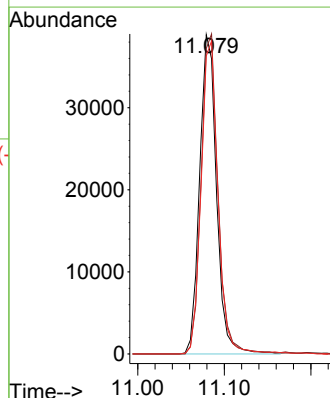
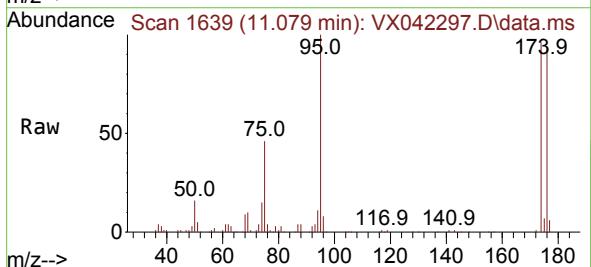
Tgt Ion: 95 Resp: 52746

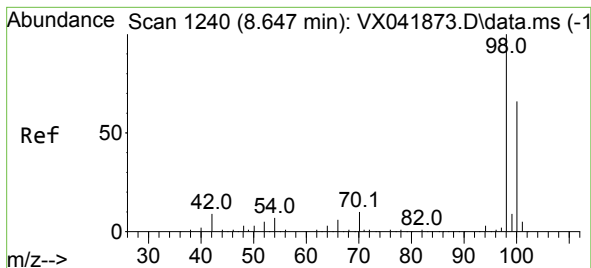
Ion Ratio Lower Upper

95 100

174 99.7 78.9 118.3

176 97.2 77.1 115.7





#63

Toluene-d8

Concen: 30.164 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX042297.D

Acq: 12 Jul 2024 13:04

Instrument :

MSVOA_X

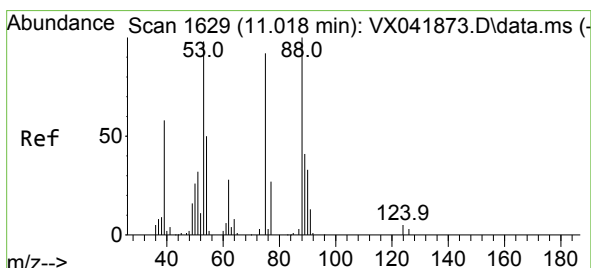
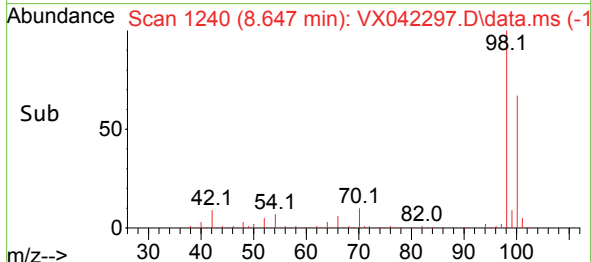
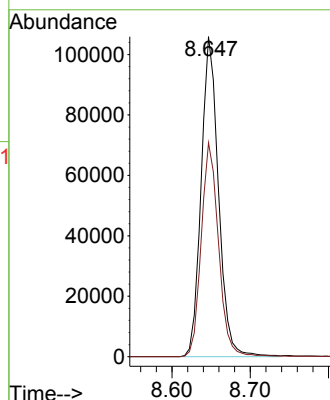
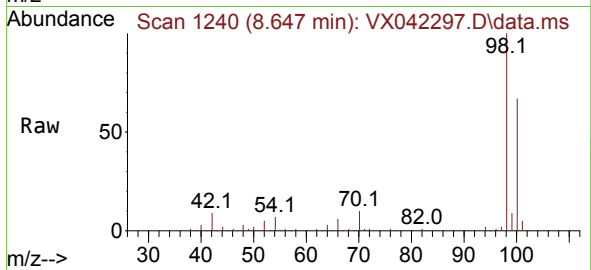
ClientSampleId :

Tgt Ion: 98 Resp: 162779

Ion Ratio Lower Upper

98 100

100 66.7 52.7 79.1



#77

t-1,4-Dichloro-2-butene

Concen: 32.442 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042297.D

Acq: 12 Jul 2024 13:04

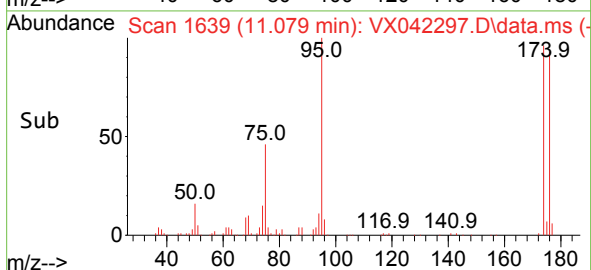
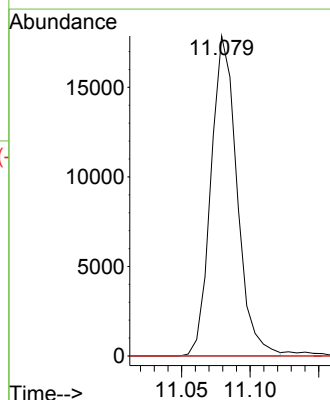
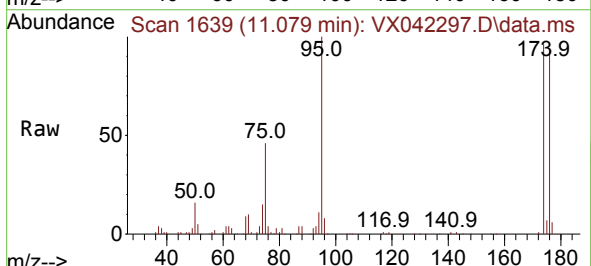
Tgt Ion: 75 Resp: 23671

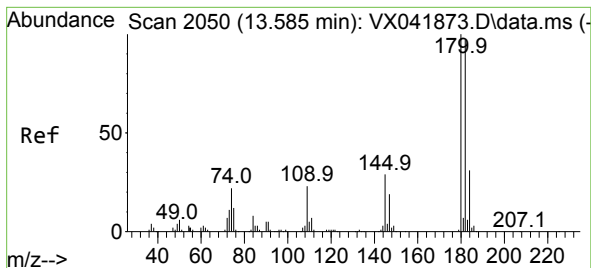
Ion Ratio Lower Upper

75 100

53 0.0 53.4 160.2#

89 0.0 22.5 67.5#





#89

1,2,4-Trichlorobenzene

Concen: 0.238 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX042297.D

Acq: 12 Jul 2024 13:04

Instrument :

MSVOA_X

ClientSampleId :

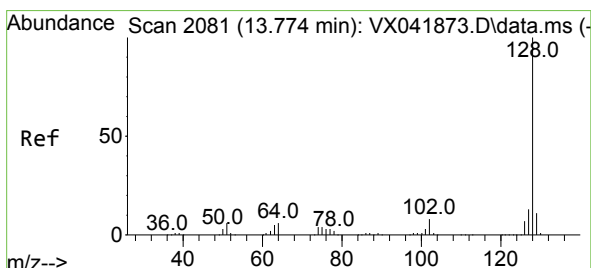
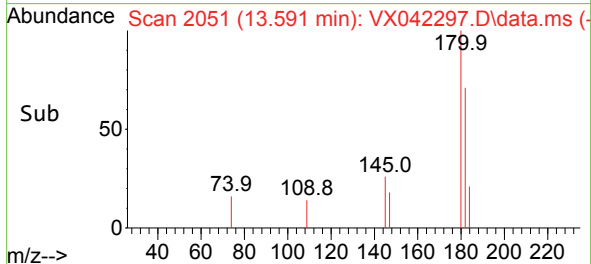
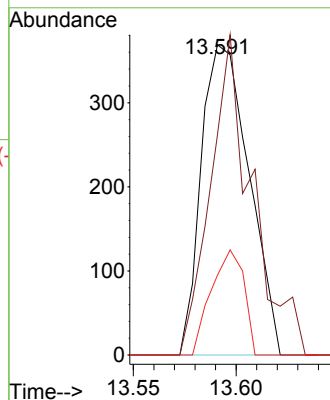
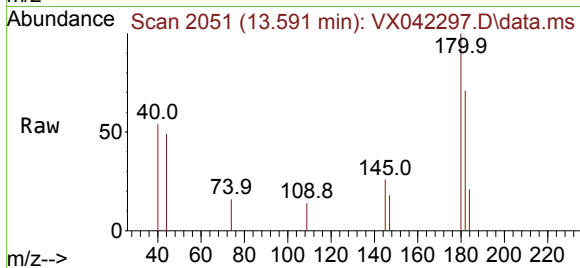
Tgt Ion:180 Resp: 597

Ion Ratio Lower Upper

180 100

182 85.8 76.9 115.3

145 23.3 22.8 34.2



#91

Naphthalene

Concen: 0.308 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX042297.D

Acq: 12 Jul 2024 13:04

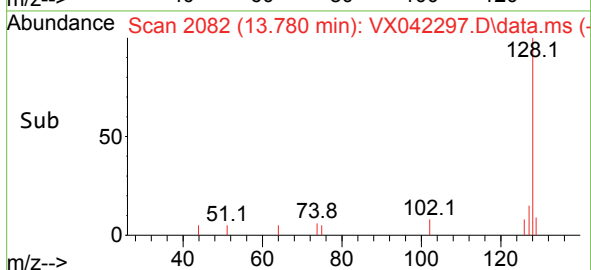
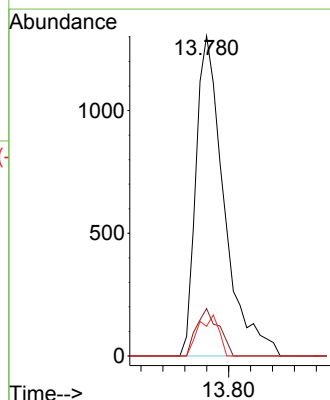
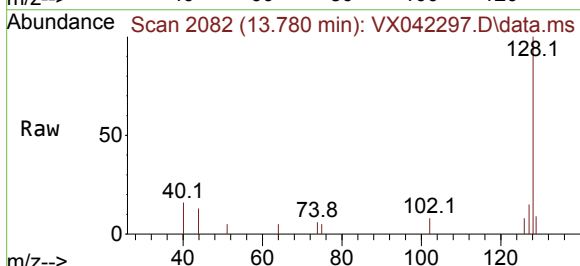
Tgt Ion:128 Resp: 2328

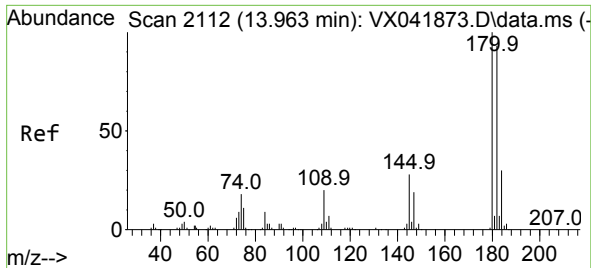
Ion Ratio Lower Upper

128 100

127 11.7 10.4 15.6

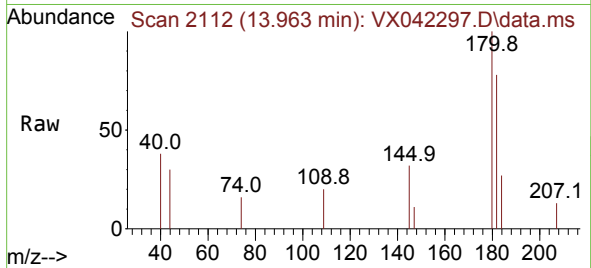
129 9.2 8.7 13.1





#92
 1,2,3-Trichlorobenzene
 Concen: 0.254 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: VX042297.D
 Acq: 12 Jul 2024 13:04

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	659
Ion	Ratio	Lower	Upper
180	100		
182	74.5	0.0	187.8
145	25.6	0.0	58.4

