

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032924\
 Data File : VX040835.D
 Acq On : 29 Mar 2024 11:31
 Operator : JC/MD
 Sample : VX0329WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBL01

Quant Time: Mar 29 22:58:45 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)

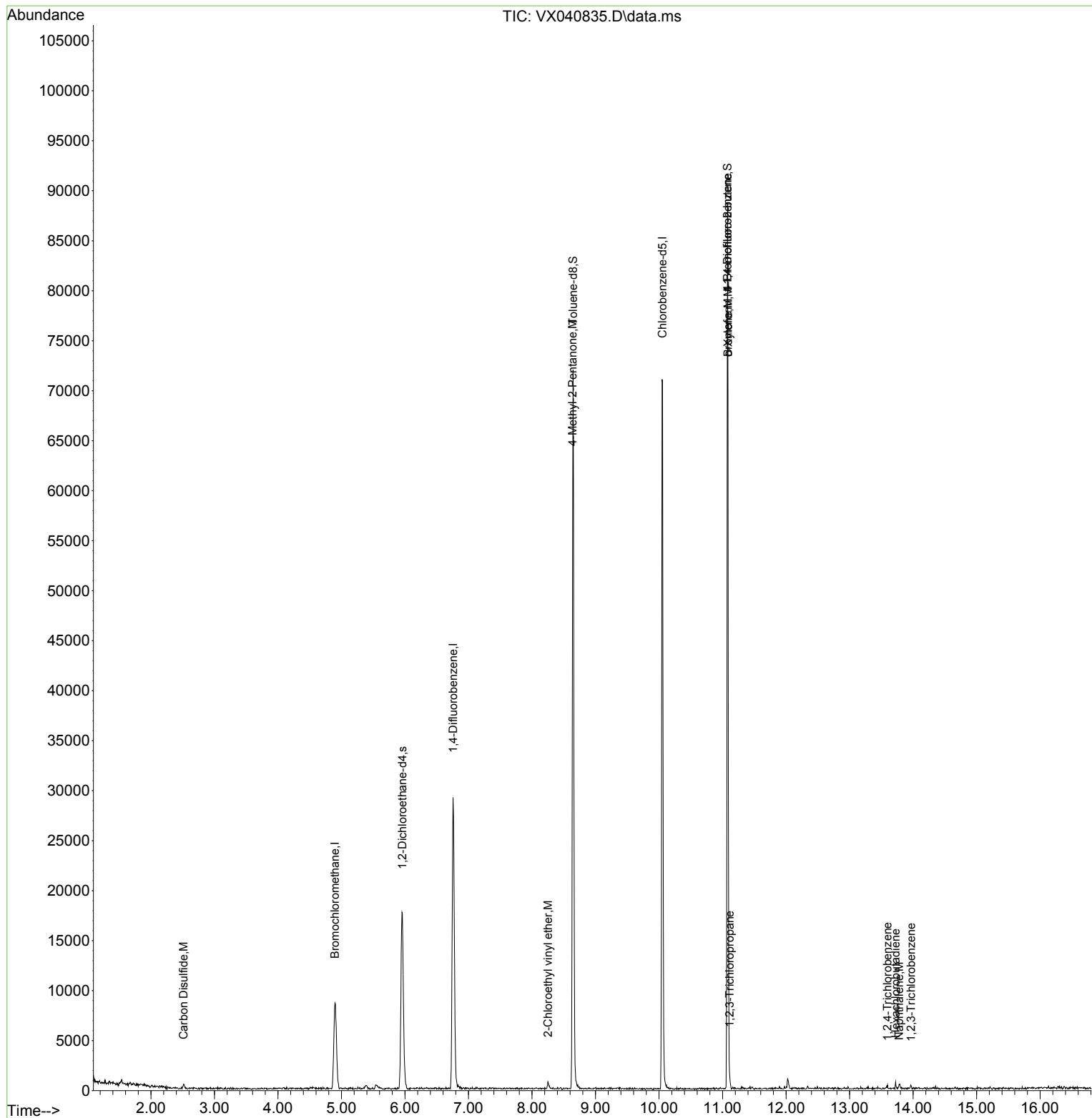
Internal Standards						
1) Bromochloromethane	4.898	128	3412	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	28528	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	30953	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	18600	31.807	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.033%
60) 4-Bromofluorobenzene	11.079	95	21560	31.886	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	106.300%
63) Toluene-d8	8.647	98	40077	33.027	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	110.100%
Target Compounds						
					Qvalue	
16) Carbon Disulfide	2.514	76	473	0.330	ug/l #	73
55) 2-Chloroethyl vinyl ether	8.251	63	198	0.420	ug/l #	69
56) Bromoform	11.085	173	183	0.398	ug/l #	1
58) 4-Methyl-2-Pentanone	8.641	43	198	0.226	ug/l #	1
68) o-Xylene	11.085	106	193	0.227	ug/l #	1
72) 1,2,3-Trichloropropane	11.110	75	184	0.270	ug/l	73
77) t-1,4-Dichloro-2-butene	11.079	75	12805	47.218	ug/l #	12
89) 1,2,4-Trichlorobenzene	13.597	180	162	0.224	ug/l #	69
90) Hexachlorobutadiene	13.725	225	174	0.641	ug/l #	40
91) Naphthalene	13.780	128	546	0.225	ug/l #	80
92) 1,2,3-Trichlorobenzene	13.969	180	188	0.272	ug/l #	77

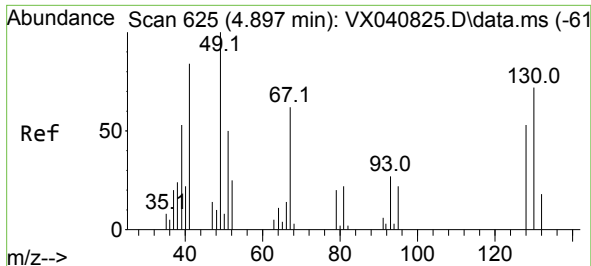
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBL01

Quant Time: Mar 29 22:58:45 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

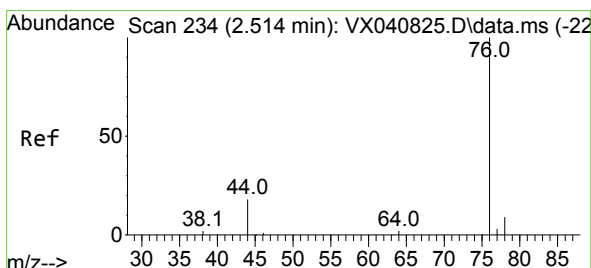
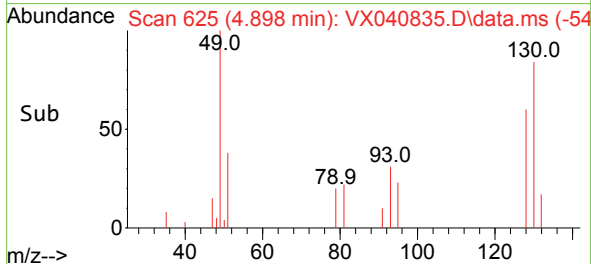
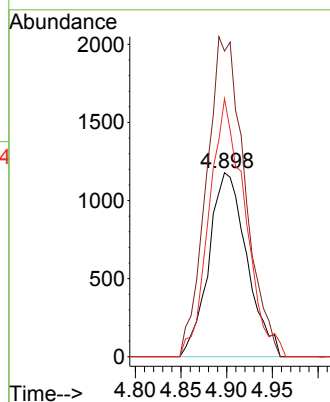
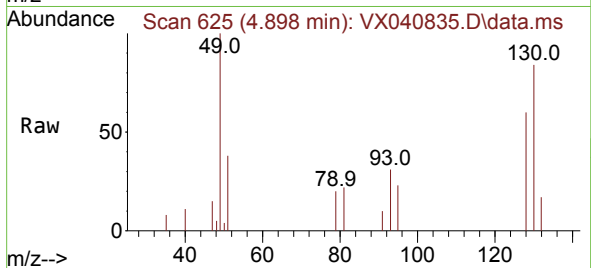




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.001 min
Lab File: VX040835.D
Acq: 29 Mar 2024 11:31

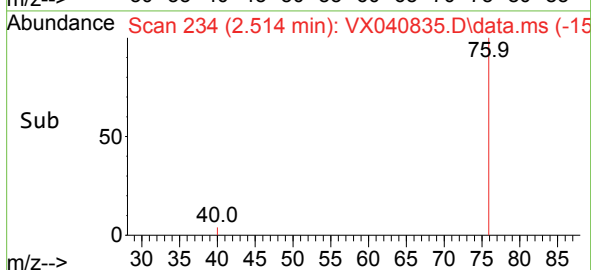
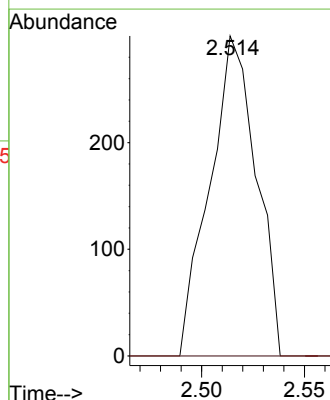
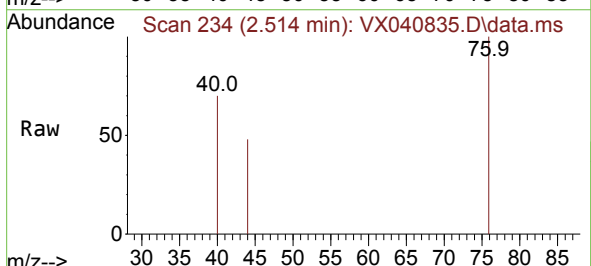
Instrument :
MSVOA_X
ClientSampleId :
VX0329WBL01

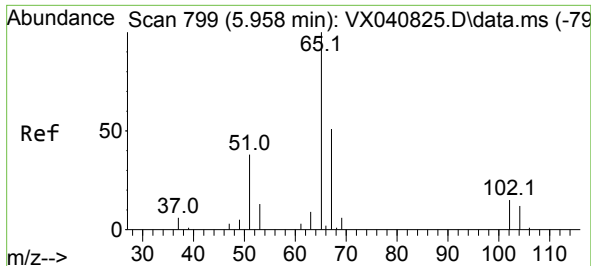
Tgt Ion	Ratio	Lower	Upper
128	100		
49	175.1	0.0	444.0
130	132.2	0.0	297.8



#16
Carbon Disulfide
Concen: 0.330 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX040835.D
Acq: 29 Mar 2024 11:31

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.0	8.0	12.0

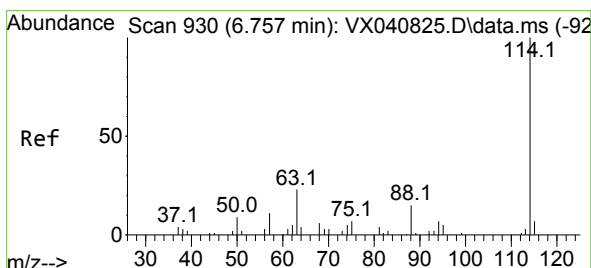
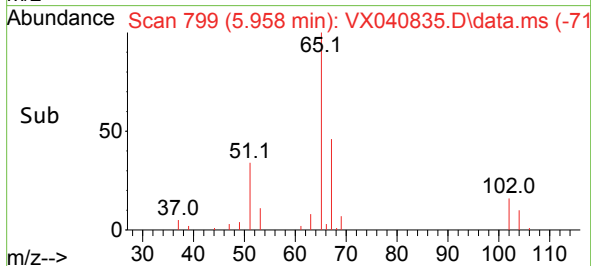
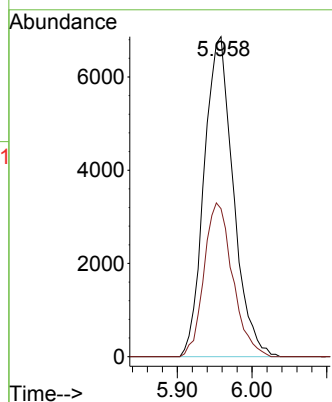
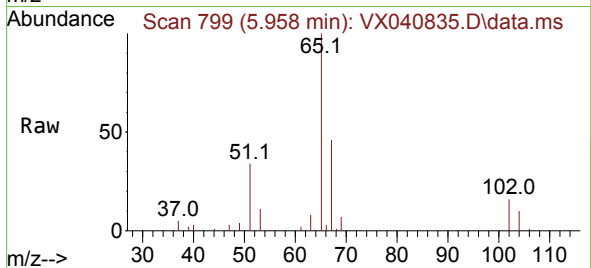




#27
 1,2-Dichloroethane-d4
 Concen: 31.807 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX040835.D
 Acq: 29 Mar 2024 11:31

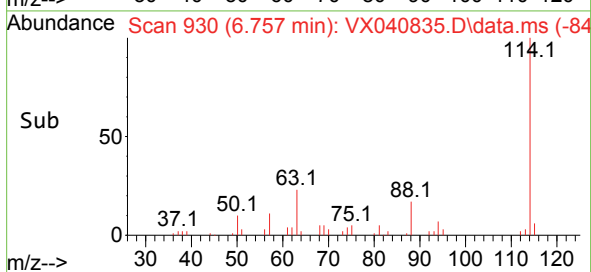
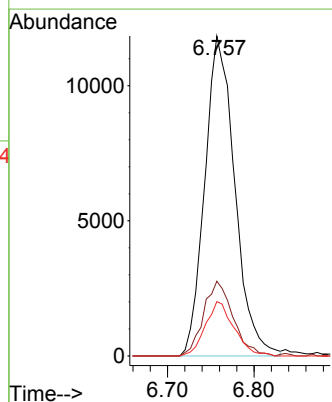
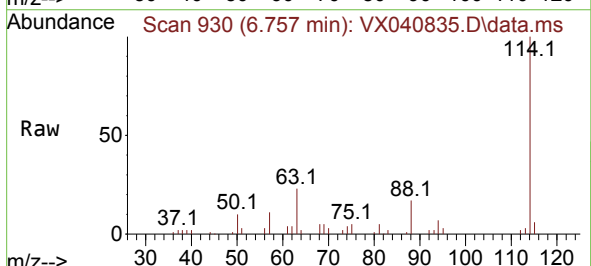
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBL01

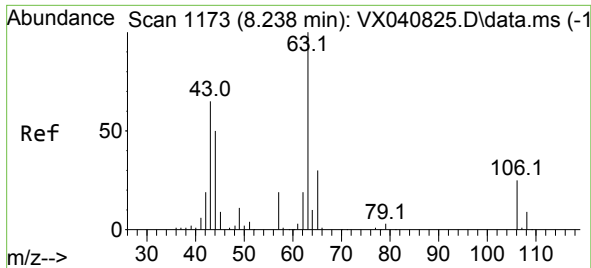
Tgt Ion: 65 Resp: 18600
 Ion Ratio Lower Upper
 65 100
 67 47.3 42.5 63.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX040835.D
 Acq: 29 Mar 2024 11:31

Tgt Ion: 114 Resp: 28528
 Ion Ratio Lower Upper
 114 100
 63 22.9 17.0 25.4
 88 16.2 12.7 19.1

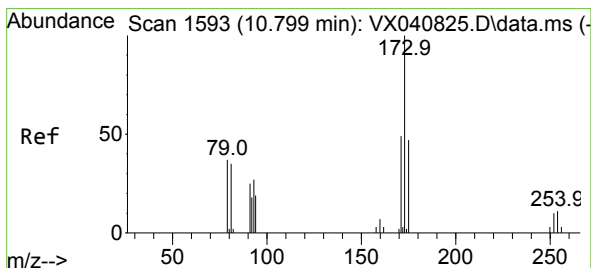
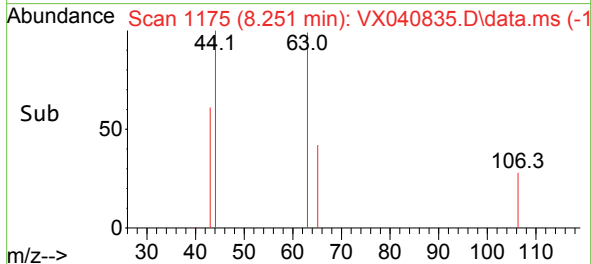
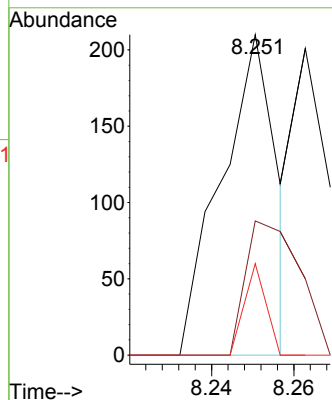
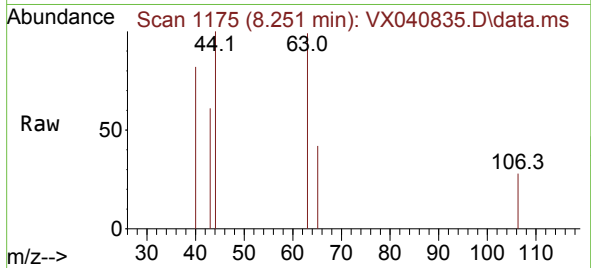




#55
2-Chloroethyl vinyl ether
Concen: 0.420 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.012 min
Lab File: VX040835.D
Acq: 29 Mar 2024 11:31

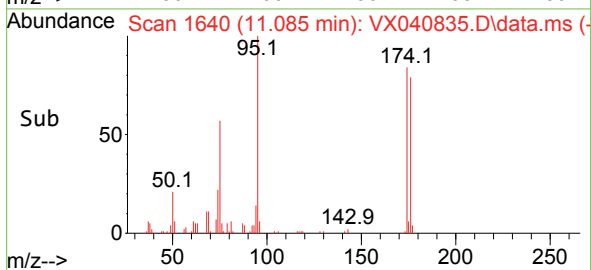
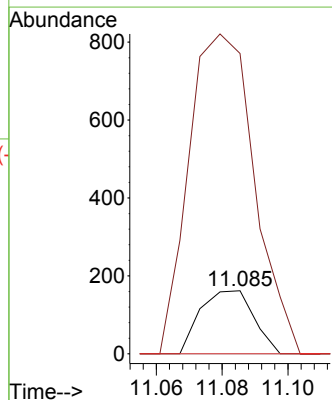
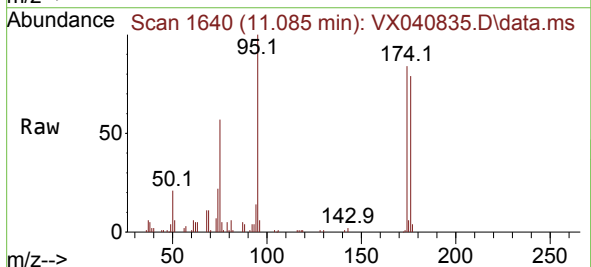
Instrument :
MSVOA_X
ClientSampleId :
VX0329WBL01

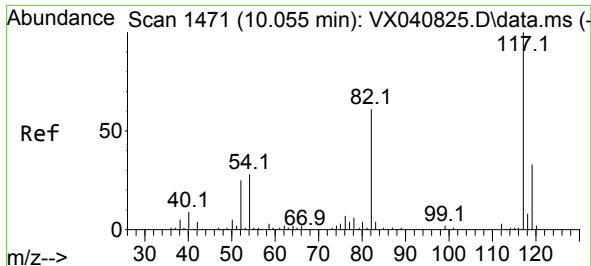
Tgt Ion: 63 Resp: 198
Ion Ratio Lower Upper
63 100
65 40.4 25.8 38.6#
106 0.0 20.6 31.0#



#56
Bromoform
Concen: 0.398 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.287 min
Lab File: VX040835.D
Acq: 29 Mar 2024 11:31

Tgt Ion: 173 Resp: 183
Ion Ratio Lower Upper
173 100
175 621.9 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: VX040835.D

Acq: 29 Mar 2024 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBL01

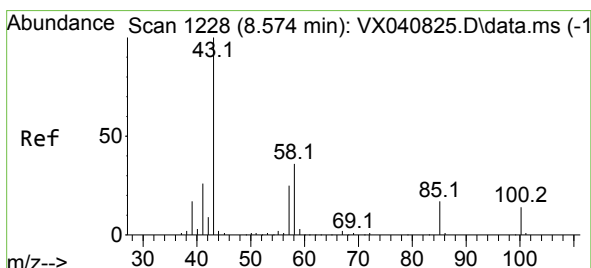
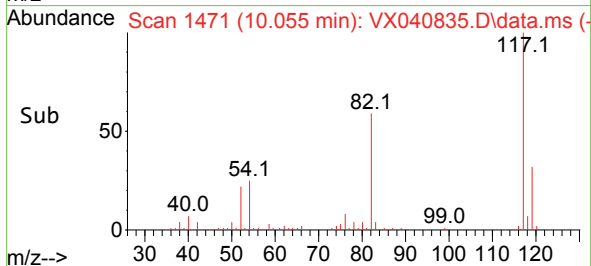
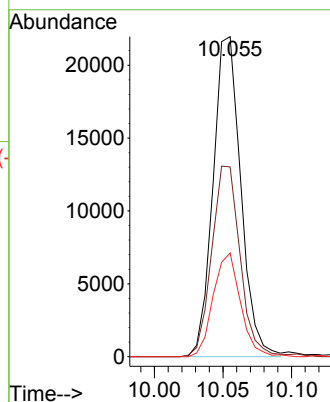
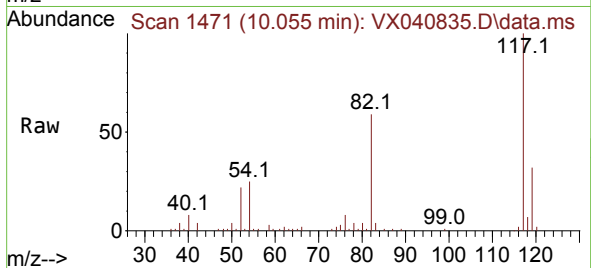
Tgt Ion:117 Resp: 30953

Ion Ratio Lower Upper

117 100

82 60.9 47.0 70.6

119 31.6 25.2 37.8



#58

4-Methyl-2-Pentanone

Concen: 0.226 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.067 min

Lab File: VX040835.D

Acq: 29 Mar 2024 11:31

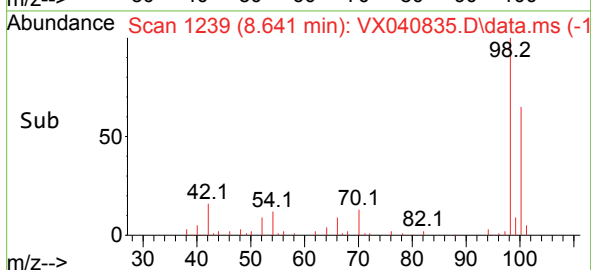
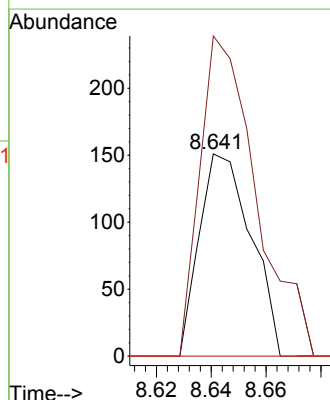
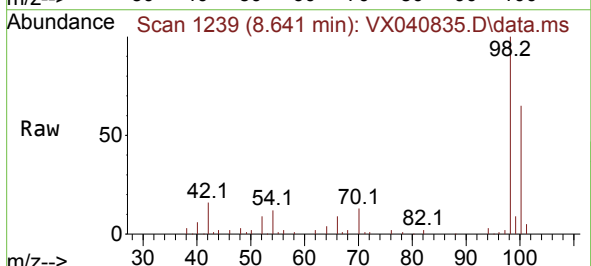
Tgt Ion: 43 Resp: 198

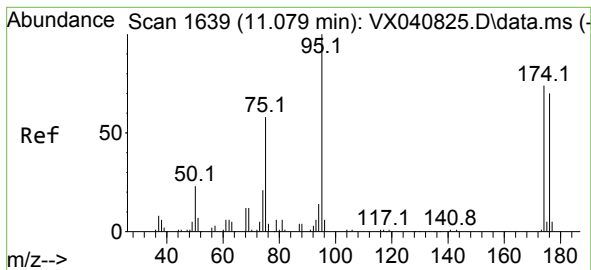
Ion Ratio Lower Upper

43 100

58 172.7 30.1 45.1#

85 0.0 13.9 20.9#

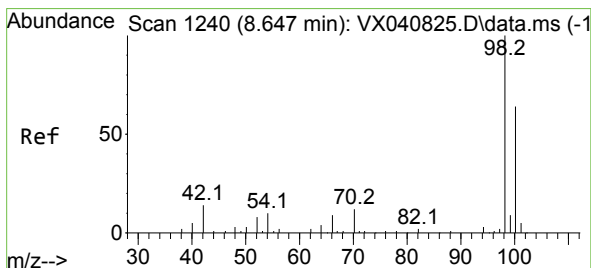
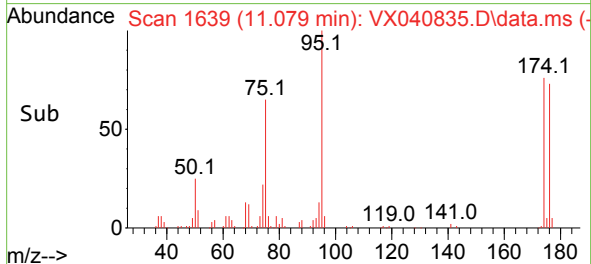
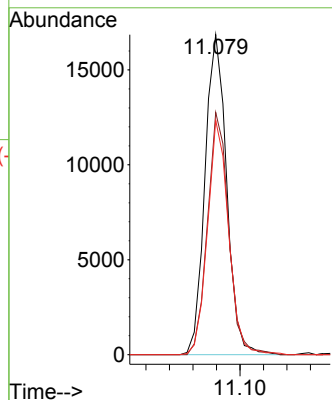
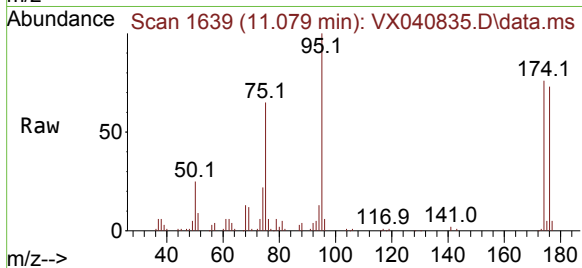




#60
4-Bromofluorobenzene
Concen: 31.886 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040835.D
Acq: 29 Mar 2024 11:31

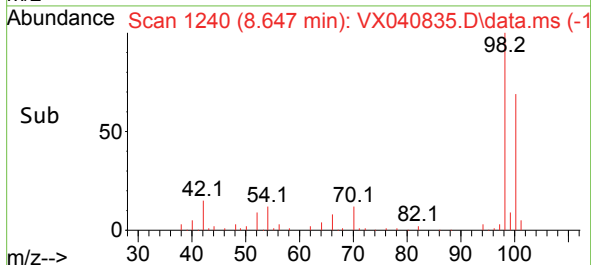
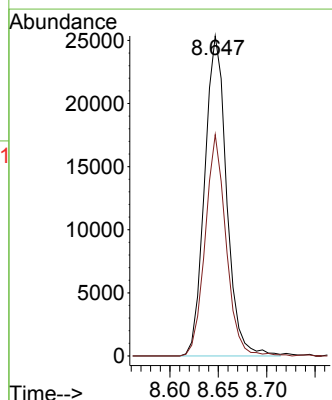
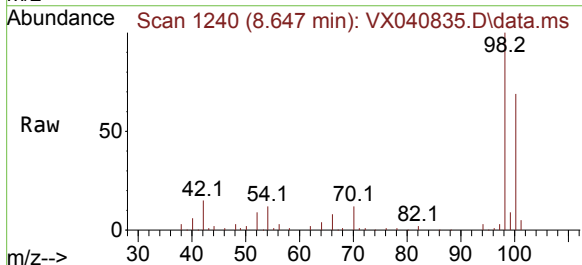
Instrument :
MSVOA_X
ClientSampleId :
VX0329WBL01

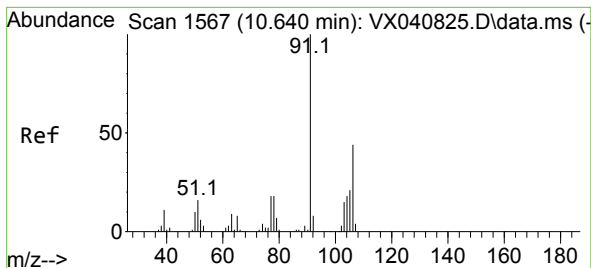
Tgt Ion: 95 Resp: 21560
Ion Ratio Lower Upper
95 100
174 74.0 55.4 83.2
176 71.4 52.6 78.8



#63
Toluene-d8
Concen: 33.027 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040835.D
Acq: 29 Mar 2024 11:31

Tgt Ion: 98 Resp: 40077
Ion Ratio Lower Upper
98 100
100 65.8 51.0 76.4





#68

o-Xylene

Concen: 0.227 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.445 min

Lab File: VX040835.D

Acq: 29 Mar 2024 11:31

Instrument :

MSVOA_X

ClientSampleId :

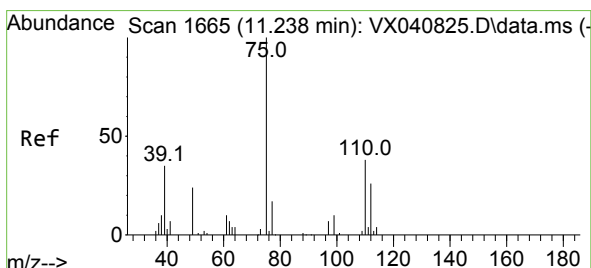
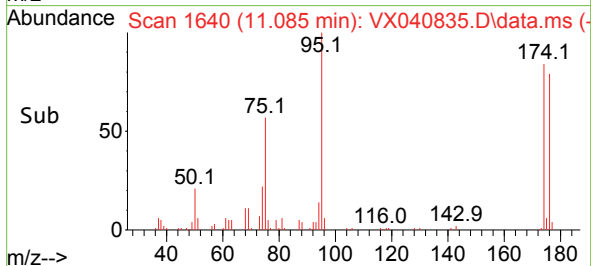
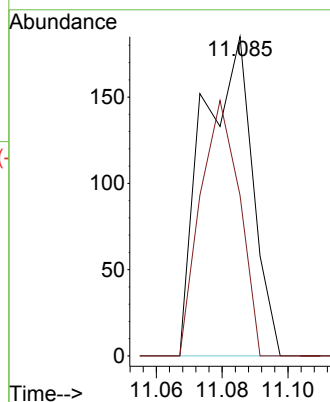
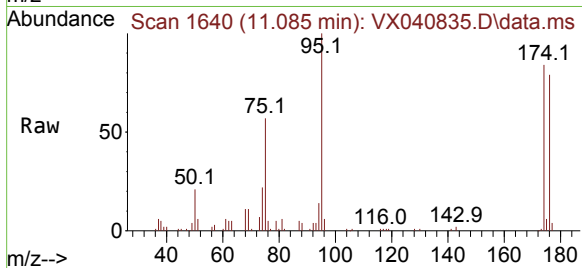
VX0329WBL01

Tgt Ion:106 Resp: 193

Ion Ratio Lower Upper

106 100

91 0.0 111.2 333.6#



#72

1,2,3-Trichloropropane

Concen: 0.270 ug/l

RT: 11.110 min Scan# 1644

Delta R.T. -0.128 min

Lab File: VX040835.D

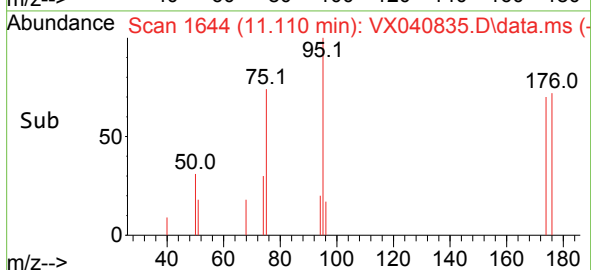
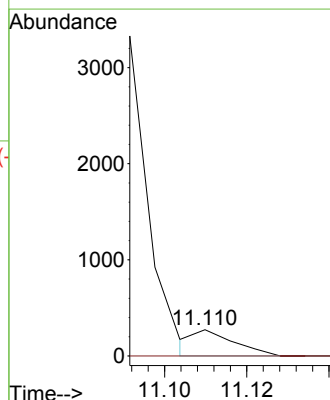
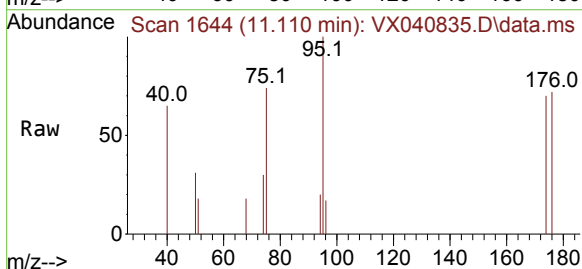
Acq: 29 Mar 2024 11:31

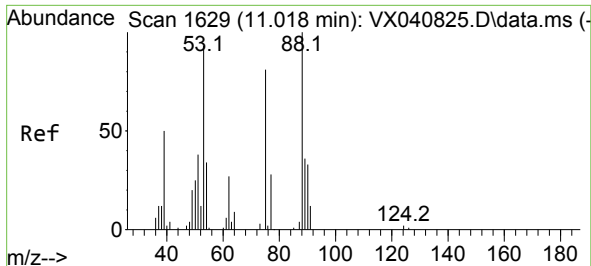
Tgt Ion: 75 Resp: 184

Ion Ratio Lower Upper

75 100

77 21.7 0.0 76.4





#77

t-1,4-Dichloro-2-butene

Concen: 47.218 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX040835.D

Acq: 29 Mar 2024 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBL01

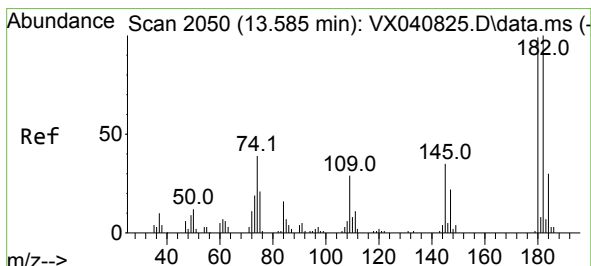
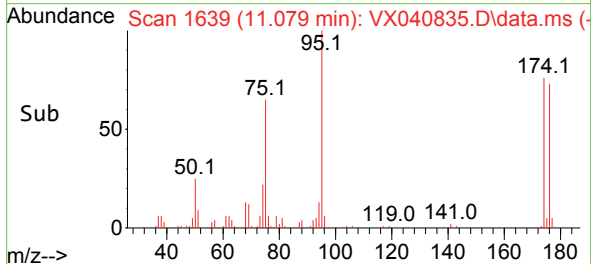
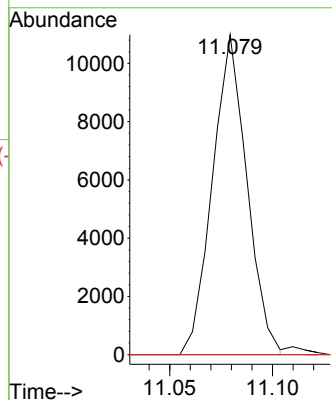
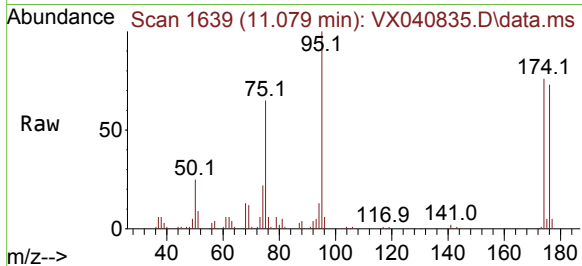
Tgt Ion: 75 Resp: 12805

Ion Ratio Lower Upper

75 100

53 0.0 46.9 140.8#

89 0.0 21.3 63.7#



#89

1,2,4-Trichlorobenzene

Concen: 0.224 ug/l

RT: 13.597 min Scan# 2052

Delta R.T. 0.012 min

Lab File: VX040835.D

Acq: 29 Mar 2024 11:31

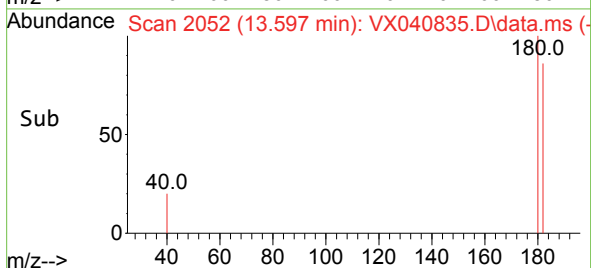
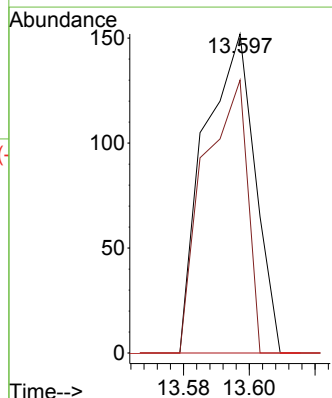
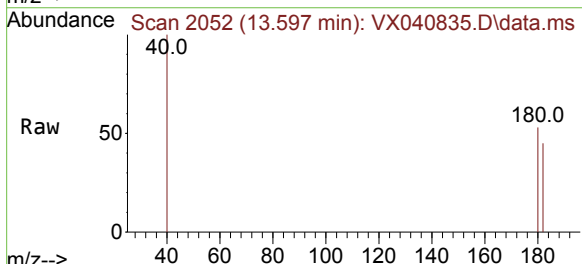
Tgt Ion:180 Resp: 162

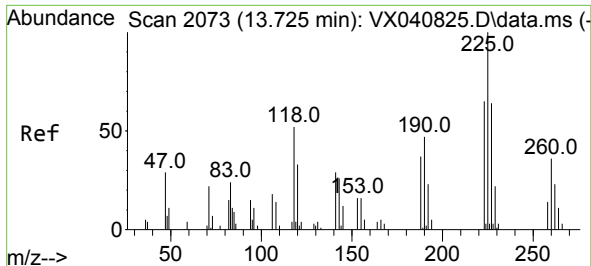
Ion Ratio Lower Upper

180 100

182 73.5 74.5 111.7#

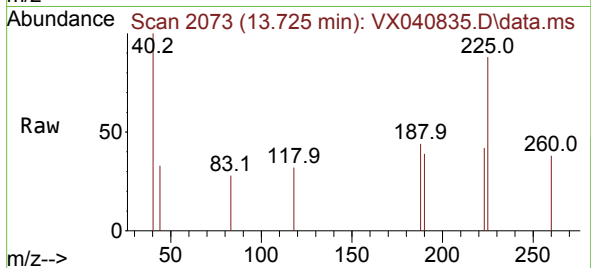
145 0.0 26.6 40.0#



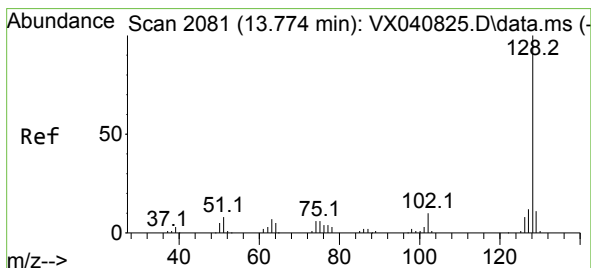
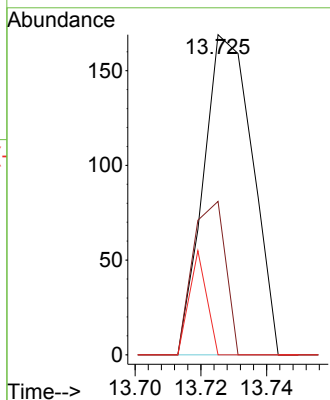
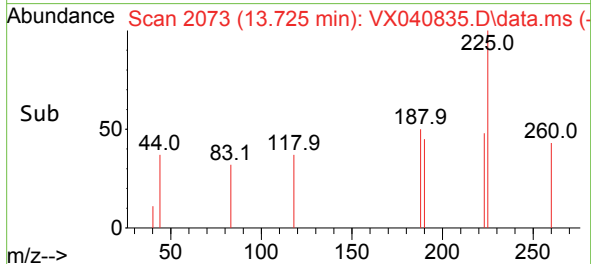


#90
Hexachlorobutadiene
Concen: 0.641 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX040835.D
Acq: 29 Mar 2024 11:31

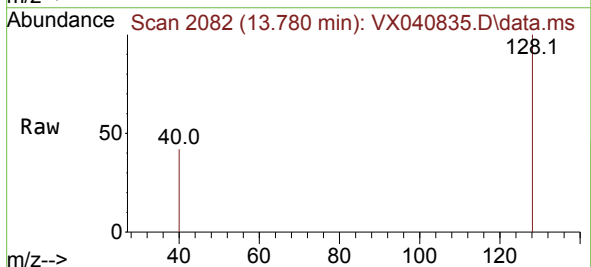
Instrument :
MSVOA_X
ClientSampleId :
VX0329WBL01



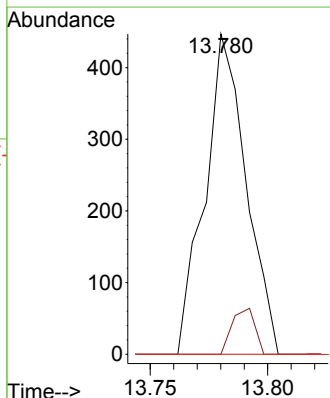
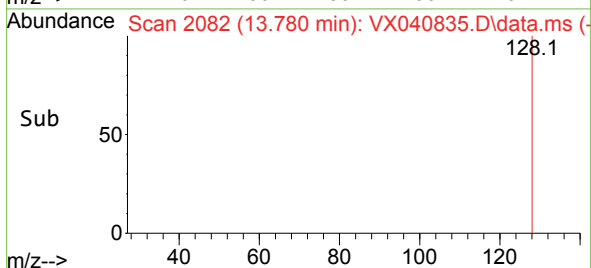
Tgt Ion:225 Resp: 174
Ion Ratio Lower Upper
225 100
223 32.2 0.0 124.4
227 0.0 0.0 124.4

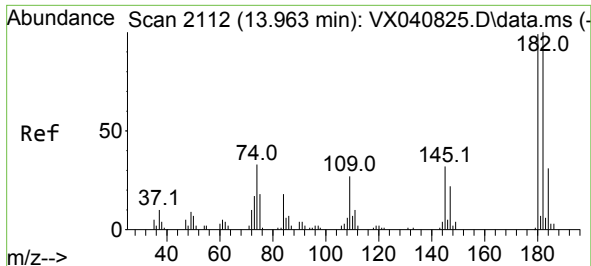


#91
Naphthalene
Concen: 0.225 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX040835.D
Acq: 29 Mar 2024 11:31



Tgt Ion:128 Resp: 546
Ion Ratio Lower Upper
128 100
127 7.9 10.2 15.2#
129 0.0 8.6 12.8#





#92

1,2,3-Trichlorobenzene

Concen: 0.272 ug/l

RT: 13.969 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX040835.D

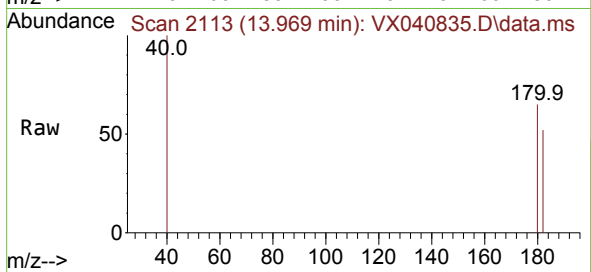
Acq: 29 Mar 2024 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBL01



Tgt Ion:180 Resp: 188

Ion Ratio Lower Upper

180 100

182 86.2 0.0 191.6

145 0.0 0.0 69.6

