

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031924\
 Data File : VX040713.D
 Acq On : 19 Mar 2024 11:22
 Operator : JC/MD
 Sample : P1788-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PEZOMETER-200

Quant Time: Mar 20 04:33:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 05 13:21:29 2024
 Response via : Initial Calibration

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

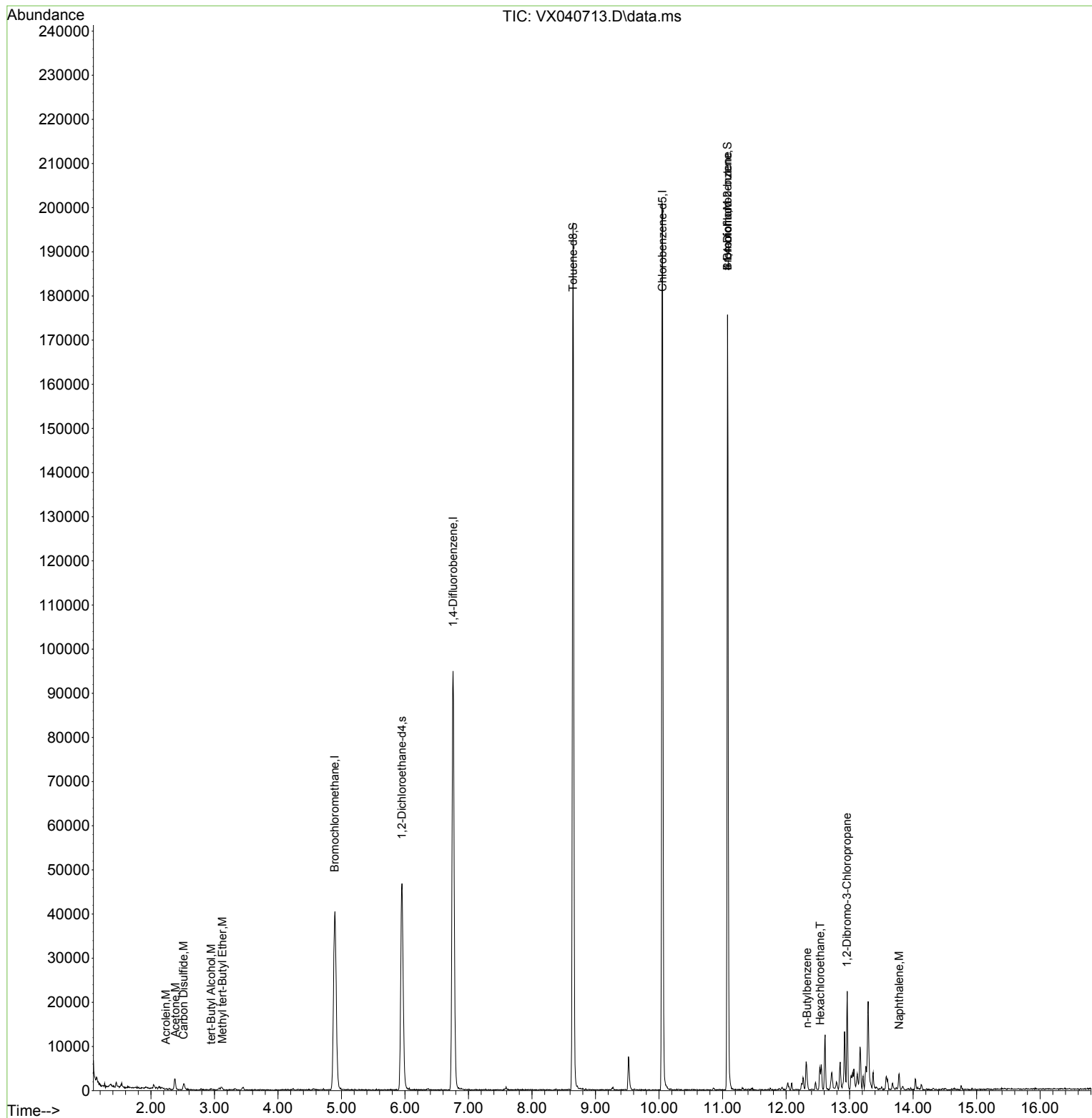
Internal Standards						
1) Bromochloromethane	4.891	128	15957	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.756	114	92348	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	86672	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	49737	31.209	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.033%
60) 4-Bromofluorobenzene	11.079	95	43568	29.305	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.700%
63) Toluene-d8	8.646	98	109618	28.619	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.400%
Target Compounds						
					Qvalue	
13) Acrolein	2.233	56	169	0.572	ug/l #	47
15) Acetone	2.385	58	695	3.939	ug/l #	65
16) Carbon Disulfide	2.513	76	775	0.296	ug/l #	73
23) tert-Butyl Alcohol	2.946	59	63	0.216	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	736	0.210	ug/l #	60
56) Bromoform	11.079	173	260	0.280	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	25466	49.137	ug/l #	12
85) n-Butylbenzene	12.329	91	1264	0.277	ug/l #	44
86) Hexachloroethane	12.536	117	410	0.500	ug/l #	18
88) 1,2-Dibromo-3-Chloropr...	12.957	75	150	0.303	ug/l #	7
91) Naphthalene	13.780	128	2491	0.479	ug/l	98

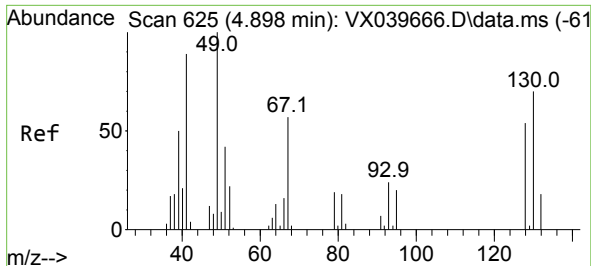
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 20 04:33:26 2024
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Mar 05 13:21:29 2024
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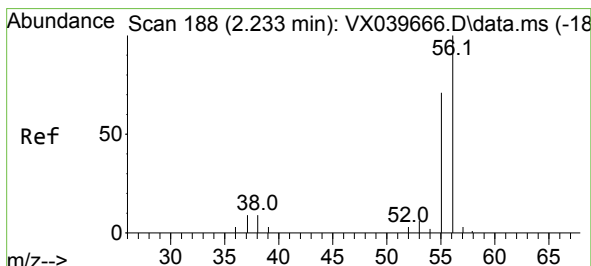
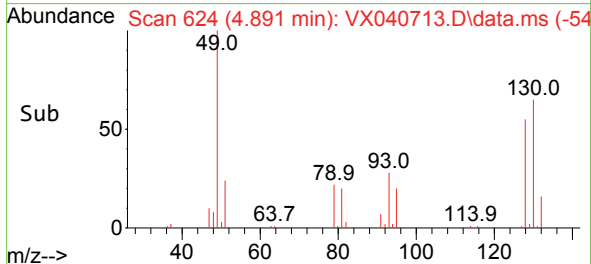
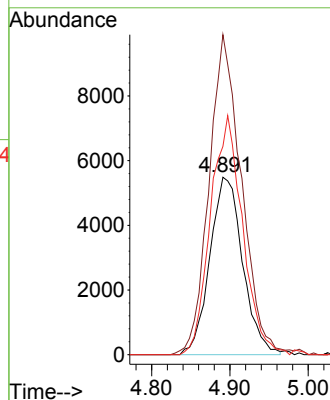
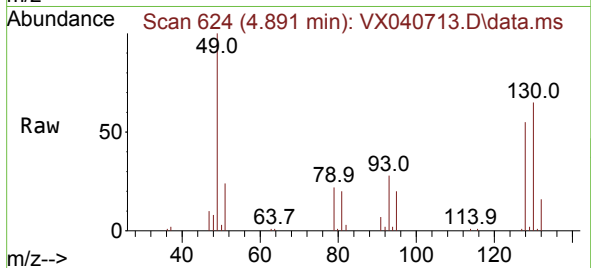




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 61
Delta R.T. -0.007 min
Lab File: VX040713.D
Acq: 19 Mar 2024 11:22

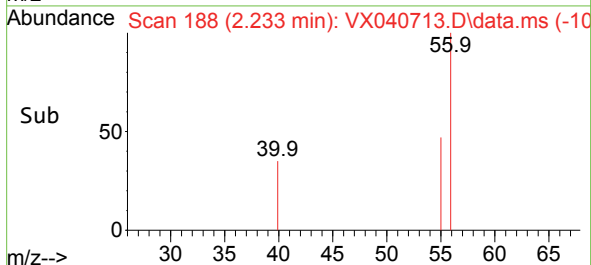
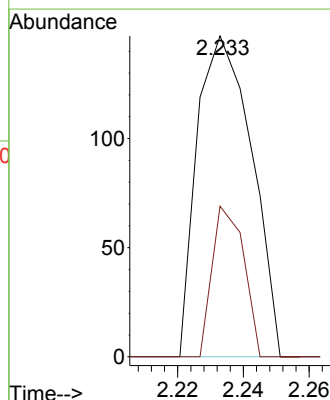
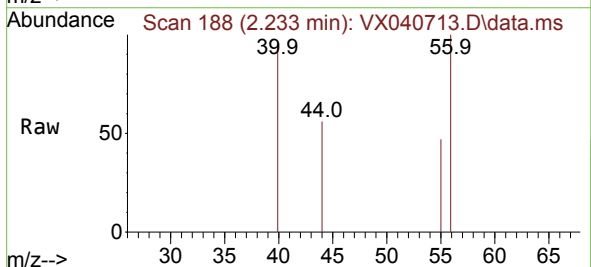
Instrument :
MSVOA_X
ClientSampleId :
PEZOMETER-200

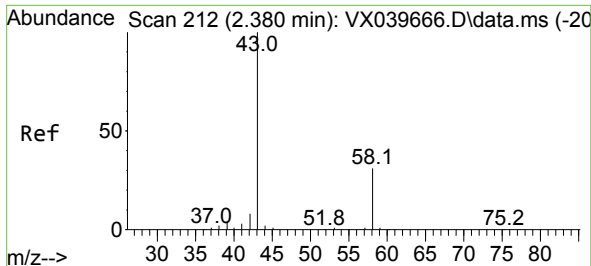
Tgt Ion:128 Resp: 15957
Ion Ratio Lower Upper
128 100
49 178.2 0.0 444.0
130 131.9 0.0 297.8



#13
Acrolein
Concen: 0.572 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.000 min
Lab File: VX040713.D
Acq: 19 Mar 2024 11:22

Tgt Ion: 56 Resp: 169
Ion Ratio Lower Upper
56 100
55 27.2 57.2 85.8#





#15

Acetone

Concen: 3.939 ug/l

RT: 2.385 min Scan# 21

Delta R.T. 0.005 min

Lab File: VX040713.D

Acq: 19 Mar 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

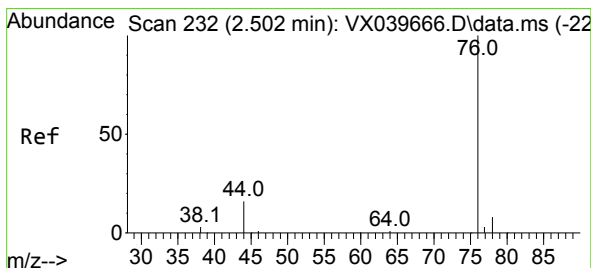
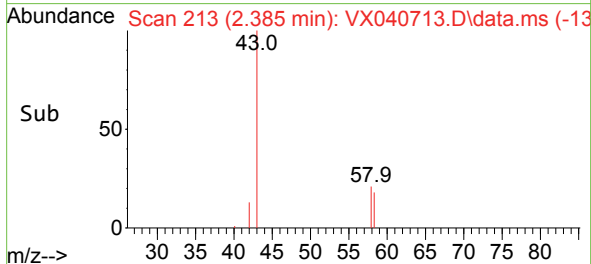
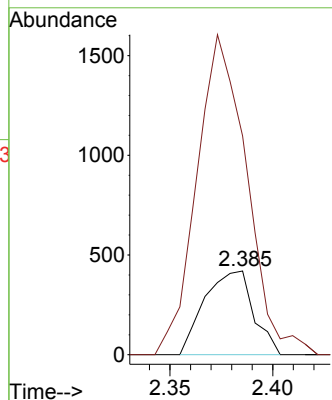
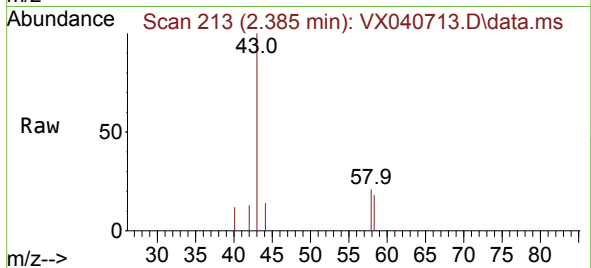
PEZOMETER-200

Tgt Ion: 58 Resp: 695

Ion Ratio Lower Upper

58 100

43 242.1 249.9 374.9#



#16

Carbon Disulfide

Concen: 0.296 ug/l

RT: 2.513 min Scan# 234

Delta R.T. 0.011 min

Lab File: VX040713.D

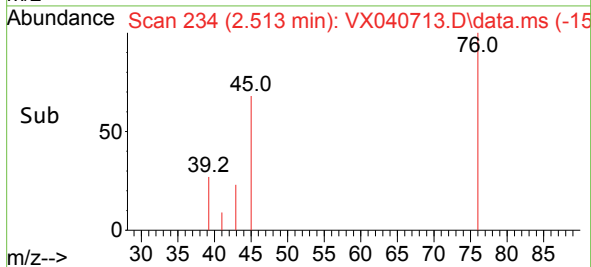
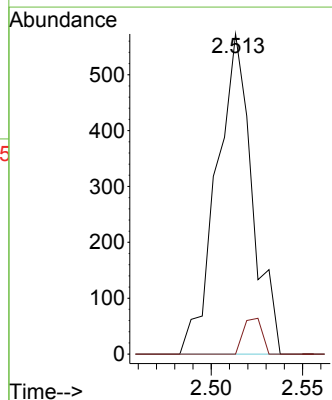
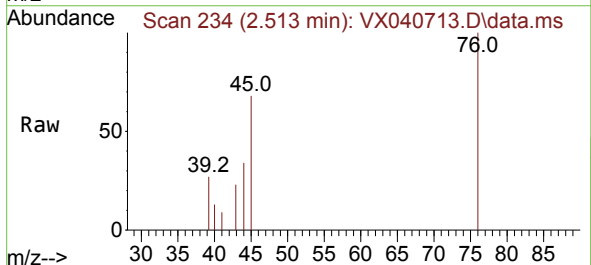
Acq: 19 Mar 2024 11:22

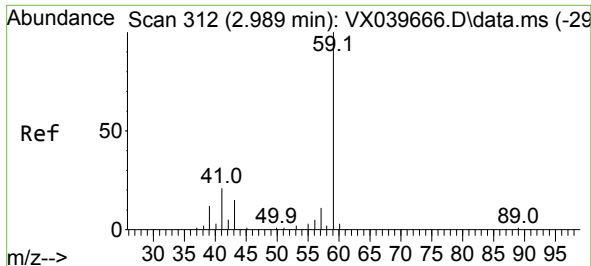
Tgt Ion: 76 Resp: 775

Ion Ratio Lower Upper

76 100

78 0.0 8.0 12.0#

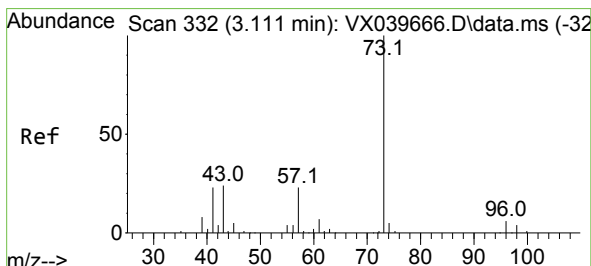
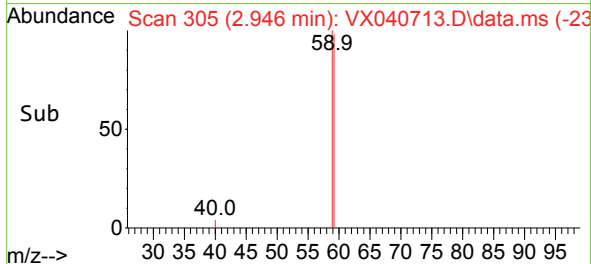
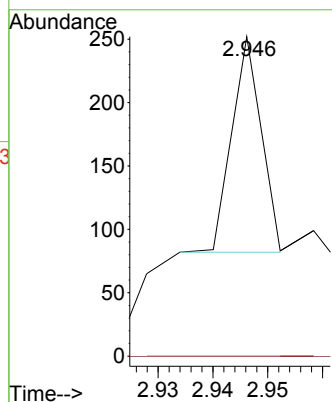
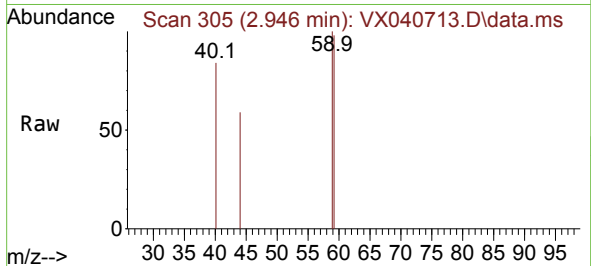




#23
tert-Butyl Alcohol
Concen: 0.216 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.043 min
Lab File: VX040713.D
Acq: 19 Mar 2024 11:22

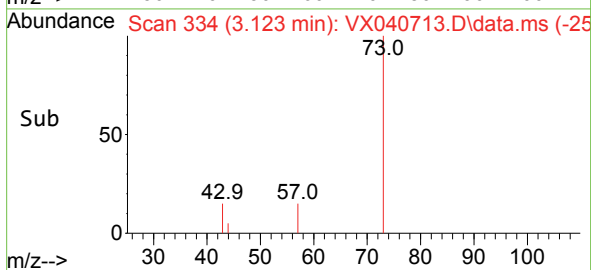
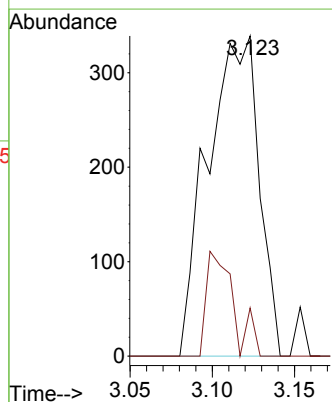
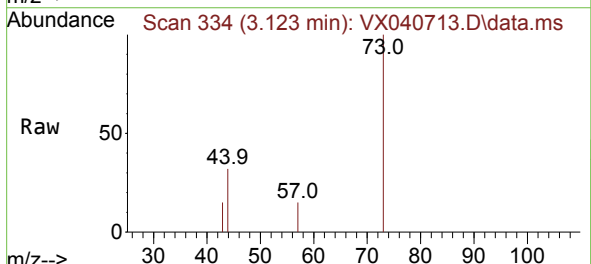
Instrument :
MSVOA_X
ClientSampleId :
PEZOMETER-200

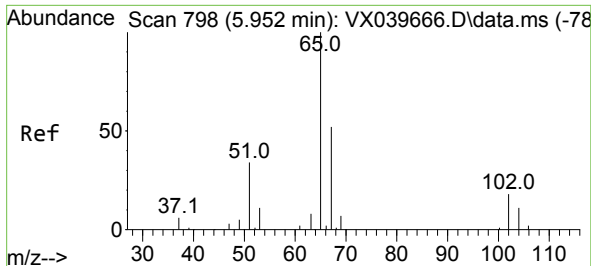
Tgt Ion: 59 Resp: 63
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#24
Methyl tert-Butyl Ether
Concen: 0.210 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.012 min
Lab File: VX040713.D
Acq: 19 Mar 2024 11:22

Tgt Ion: 73 Resp: 736
Ion Ratio Lower Upper
73 100
43 2.6 17.0 25.6#

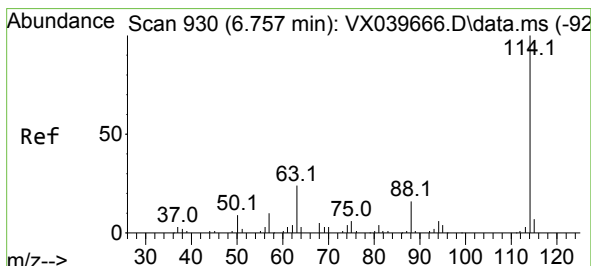
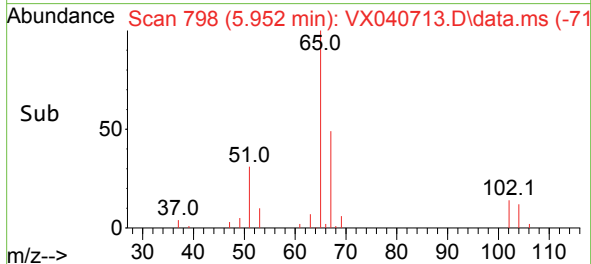
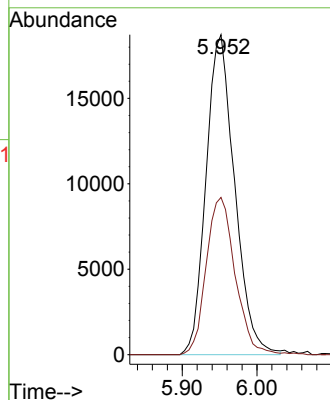
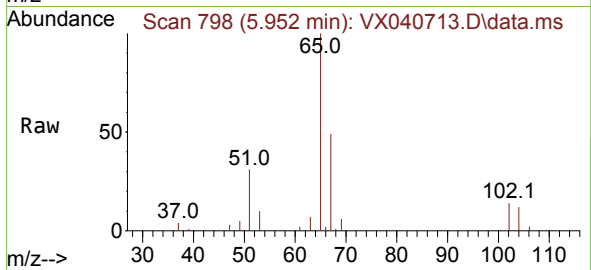




#27
1,2-Dichloroethane-d4
Concen: 31.209 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX040713.D
Acq: 19 Mar 2024 11:22

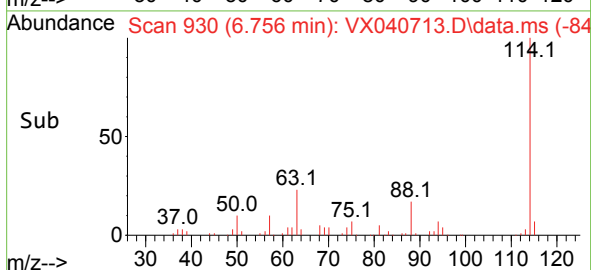
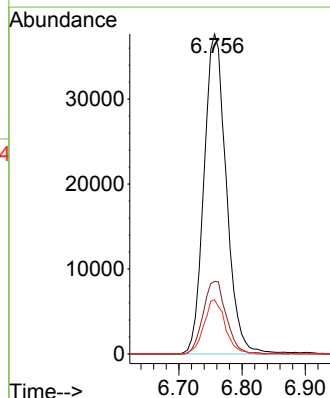
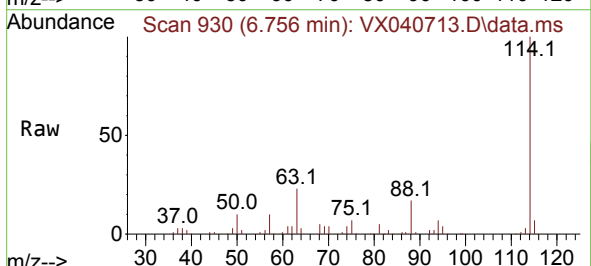
Instrument :
MSVOA_X
ClientSampleId :
PEZOMETER-200

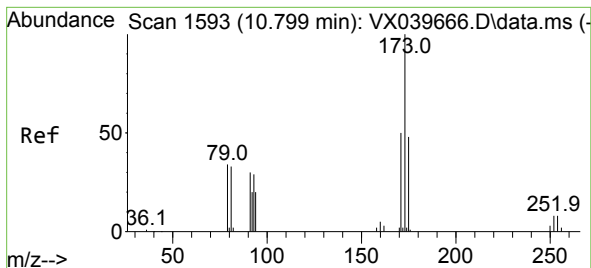
Tgt Ion: 65 Resp: 49737
Ion Ratio Lower Upper
65 100
67 49.6 42.5 63.7



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.756 min Scan# 930
Delta R.T. -0.001 min
Lab File: VX040713.D
Acq: 19 Mar 2024 11:22

Tgt Ion: 114 Resp: 92348
Ion Ratio Lower Upper
114 100
63 23.4 17.0 25.4
88 16.2 12.7 19.1





#56

Bromoform

Concen: 0.280 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.280 min

Lab File: VX040713.D

Acq: 19 Mar 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

PEZOMETER-200

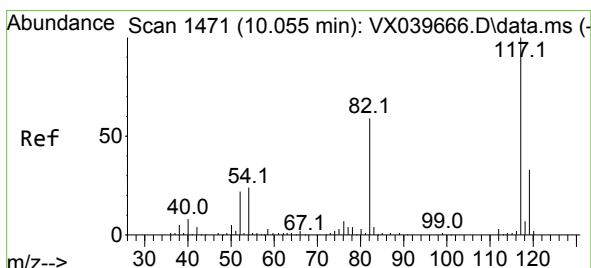
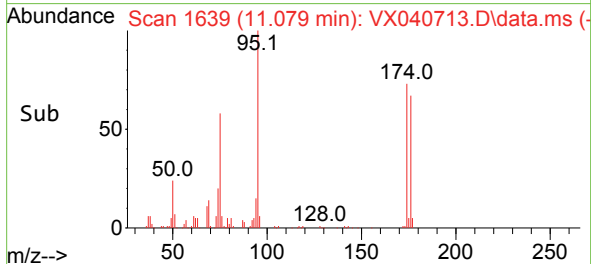
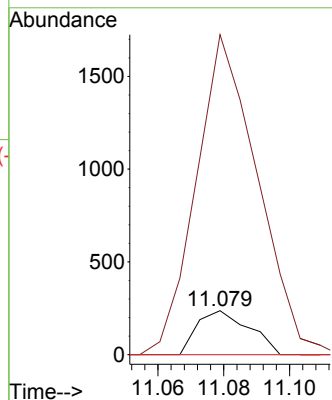
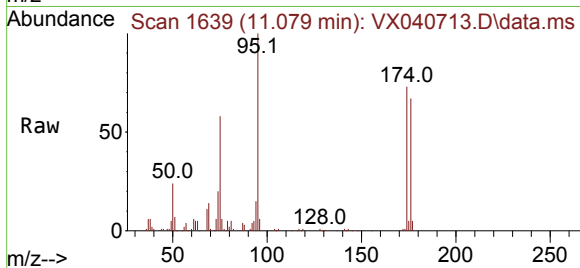
Tgt Ion:173 Resp: 260

Ion Ratio Lower Upper

173 100

175 861.2 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: VX040713.D

Acq: 19 Mar 2024 11:22

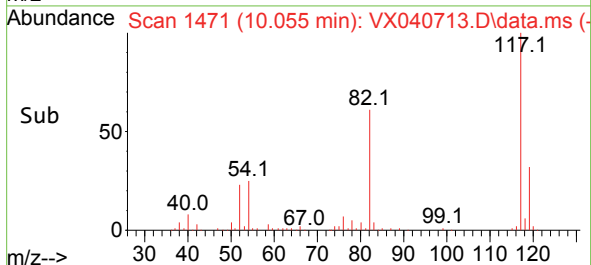
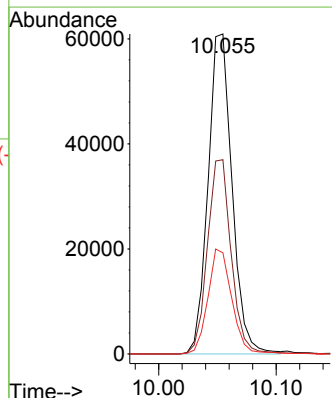
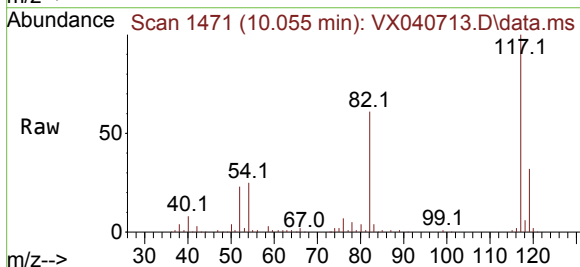
Tgt Ion:117 Resp: 86672

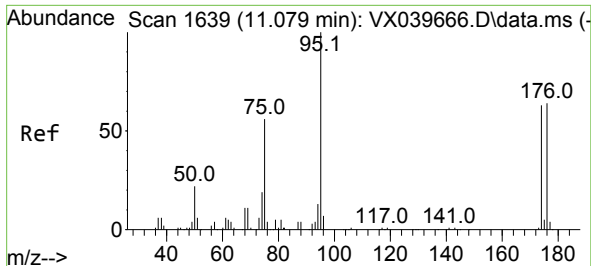
Ion Ratio Lower Upper

117 100

82 60.2 47.0 70.6

119 32.6 25.2 37.8

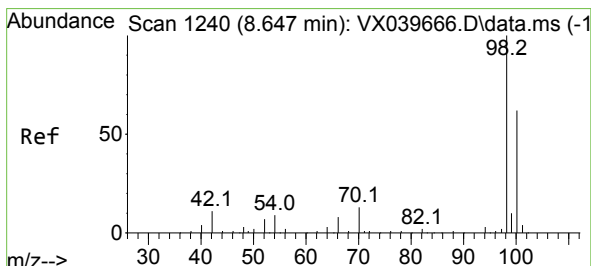
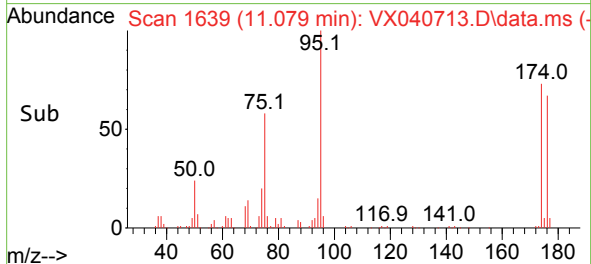
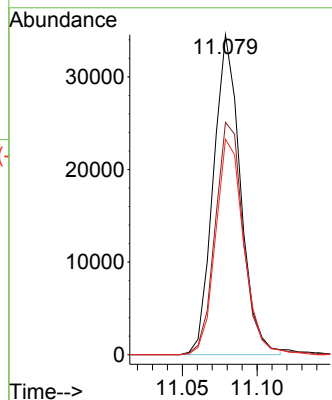
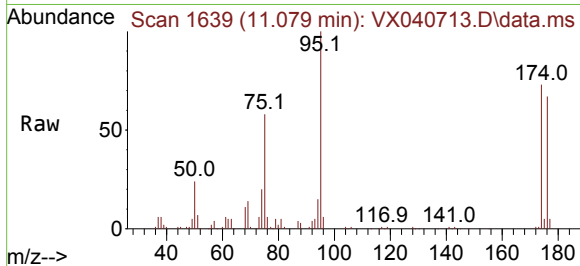




#60
4-Bromofluorobenzene
Concen: 29.305 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040713.D
Acq: 19 Mar 2024 11:22

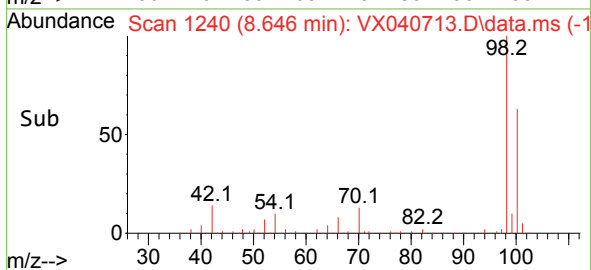
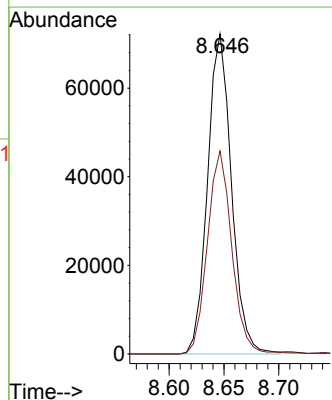
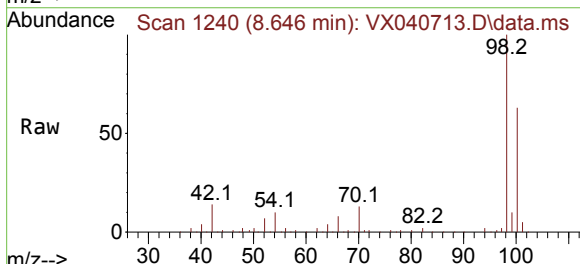
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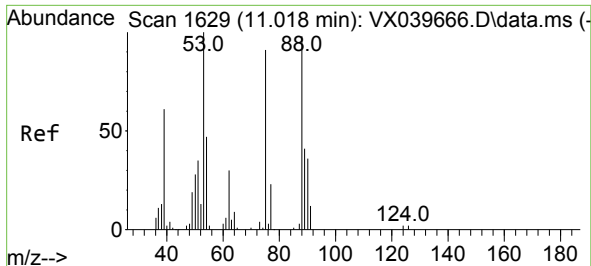
Tgt Ion: 95 Resp: 43568
Ion Ratio Lower Upper
95 100
174 75.8 55.4 83.2
176 70.2 52.6 78.8



#63
Toluene-d8
Concen: 28.619 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.001 min
Lab File: VX040713.D
Acq: 19 Mar 2024 11:22

Tgt Ion: 98 Resp: 109618
Ion Ratio Lower Upper
98 100
100 64.8 51.0 76.4

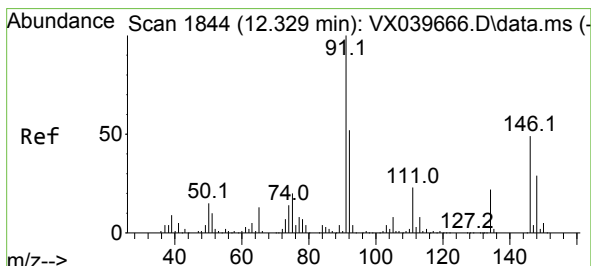
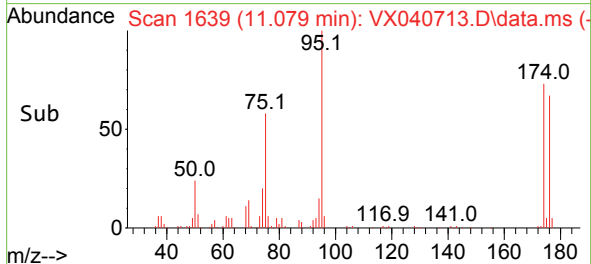
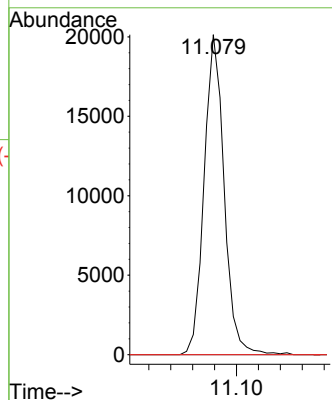
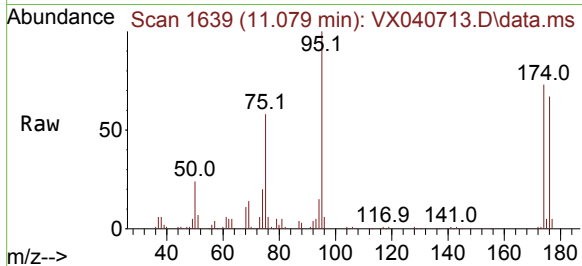




#77
t-1,4-Dichloro-2-butene
Concen: 49.137 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX040713.D
Acq: 19 Mar 2024 11:22

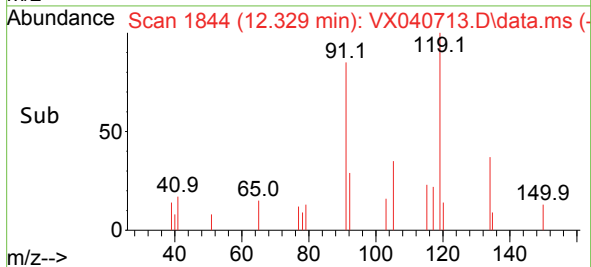
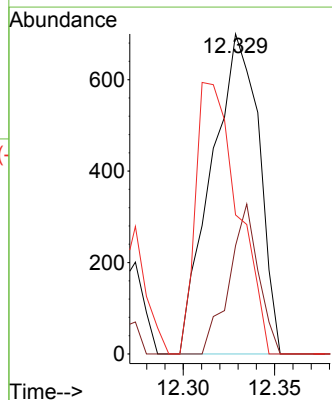
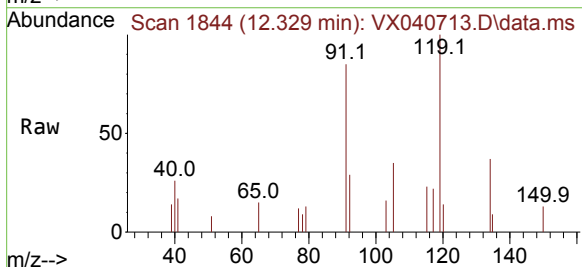
Instrument :
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PEZOMETER-200

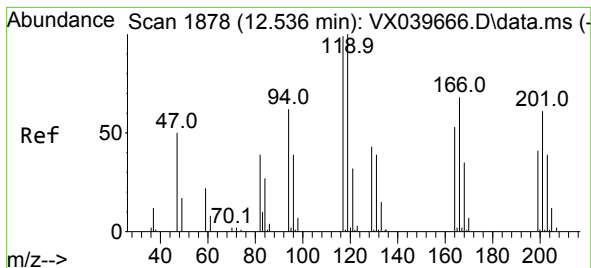
Tgt Ion: 75 Resp: 25466
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.8#
89 0.0 21.3 63.7#



#85
n-Butylbenzene
Concen: 0.277 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX040713.D
Acq: 19 Mar 2024 11:22

Tgt Ion: 91 Resp: 1264
Ion Ratio Lower Upper
91 100
92 28.8 0.0 106.2
134 75.5 0.0 48.8#

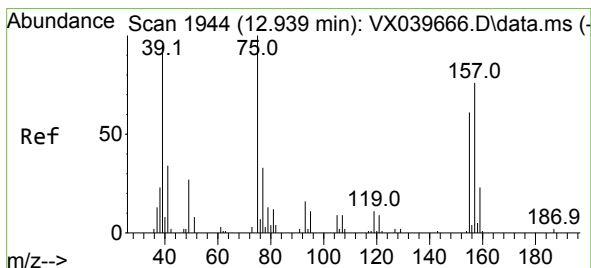
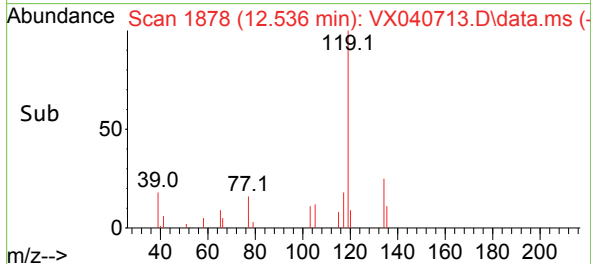
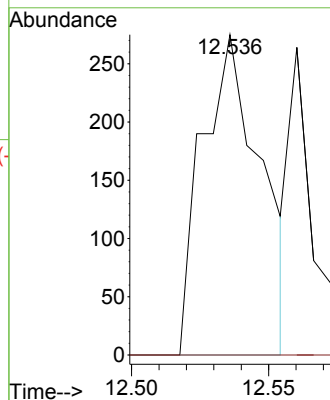
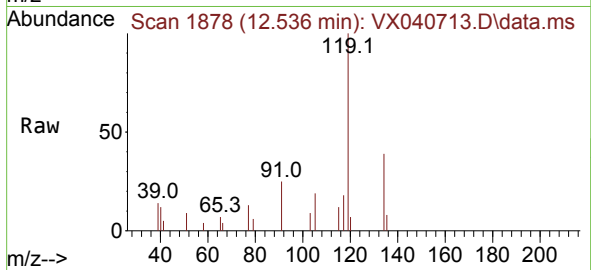




#86
Hexachloroethane
Concen: 0.500 ug/l
RT: 12.536 min Scan# 117
Delta R.T. -0.000 min
Lab File: VX040713.D
Acq: 19 Mar 2024 11:22

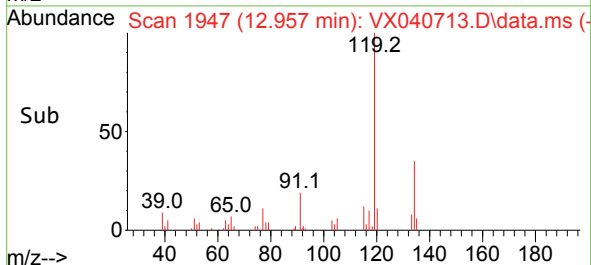
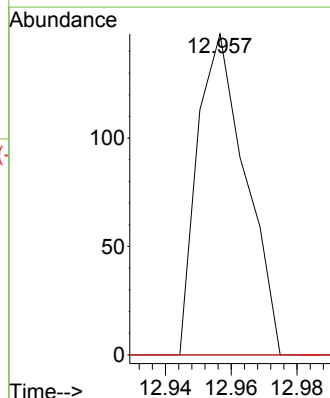
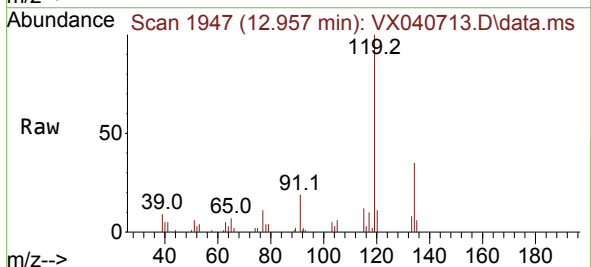
Instrument :
MSVOA_X
ClientSampleId :
PEZOMETER-200

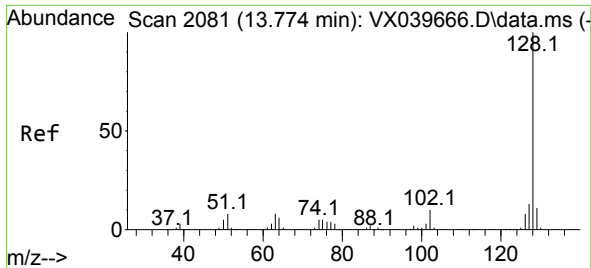
Tgt Ion:117 Resp: 410
Ion Ratio Lower Upper
117 100
201 0.0 31.8 95.3#



#88
1,2-Dibromo-3-Chloropropane
Concen: 0.303 ug/l
RT: 12.957 min Scan# 1947
Delta R.T. 0.018 min
Lab File: VX040713.D
Acq: 19 Mar 2024 11:22

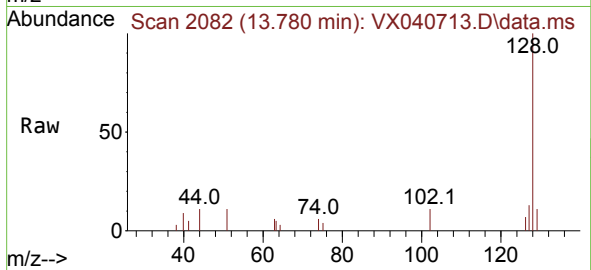
Tgt Ion: 75 Resp: 150
Ion Ratio Lower Upper
75 100
155 0.0 58.2 87.4#
157 0.0 76.5 114.7#





#91
Naphthalene
Concen: 0.479 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX040713.D
Acq: 19 Mar 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
PEZOMETER-200



Tgt Ion:	128	Resp:	2491
Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.2	15.2
129	10.8	8.6	12.8

