

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031924\
 Data File : VX040714.D
 Acq On : 19 Mar 2024 11:44
 Operator : JC/MD
 Sample : P1788-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PEZOMETER-206

Quant Time: Mar 20 04:33:46 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)

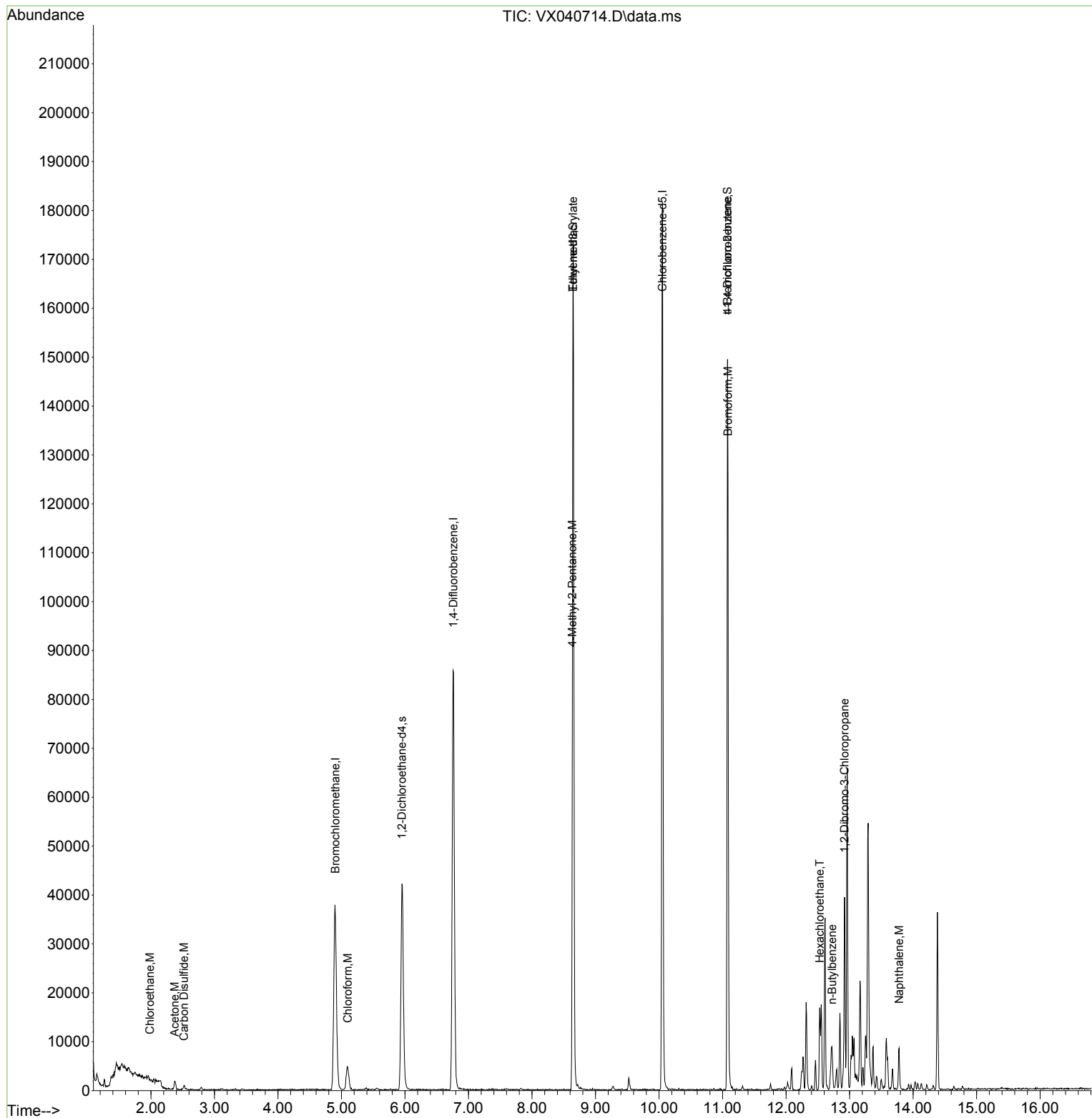
Internal Standards						
1) Bromochloromethane	4.903	128	15208	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	82463	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	77987	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	44588	29.356	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.867%
60) 4-Bromofluorobenzene	11.079	95	38170	28.534	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.100%
63) Toluene-d8	8.647	98	99585	28.895	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.300%
Target Compounds						
					Qvalue	
6) Chloroethane	1.983	64	165	0.246	ug/l	91
15) Acetone	2.373	58	685	4.074	ug/l #	64
16) Carbon Disulfide	2.520	76	550	0.221	ug/l	95
25) Chloroform	5.099	83	5825	2.763	ug/l	84
51) Ethyl methacrylate	8.647	69	345	0.214	ug/l	96
56) Bromoform	11.085	173	196	0.237	ug/l #	1
58) 4-Methyl-2-Pentanone	8.634	43	417	0.240	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	22283	47.784	ug/l #	12
85) n-Butylbenzene	12.725	91	1554	0.378	ug/l	56
86) Hexachloroethane	12.530	117	695	0.943	ug/l #	18
88) 1,2-Dibromo-3-Chloropr...	12.920	75	164	0.368	ug/l #	7
91) Naphthalene	13.780	128	5347	1.143	ug/l #	96

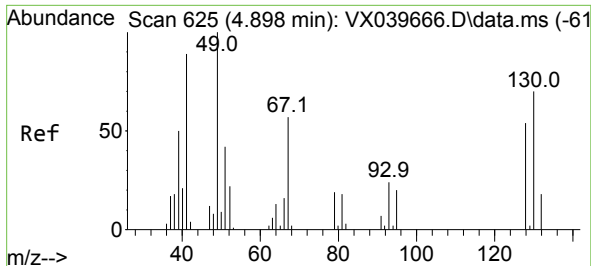
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031924\
Data File : VX040714.D
Acq On : 19 Mar 2024 11:44
Operator : JC/MD
Sample : P1788-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PEZOMETER-206

Quant Time: Mar 20 04:33:46 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

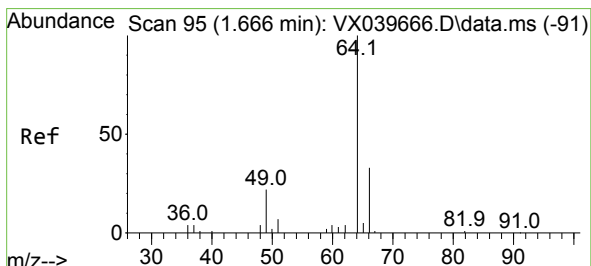
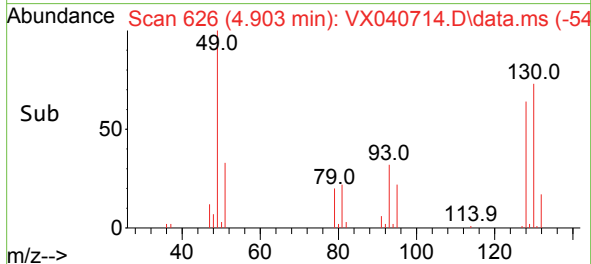
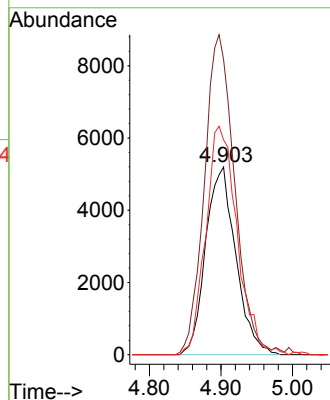
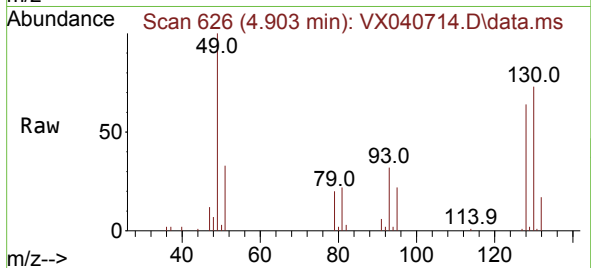




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.005 min
Lab File: VX040714.D
Acq: 19 Mar 2024 11:44

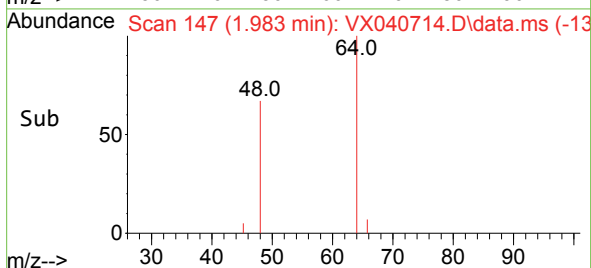
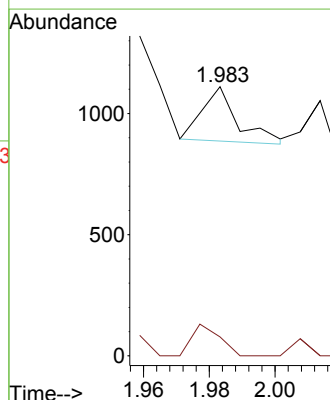
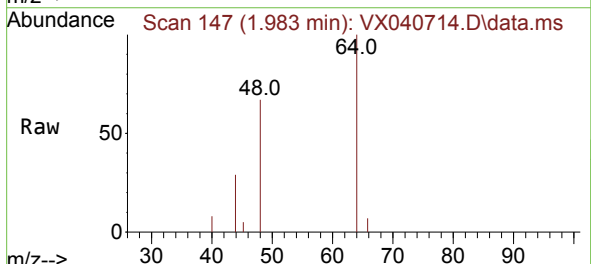
Instrument :
MSVOA_X
ClientSampleId :
PEZOMETER-206

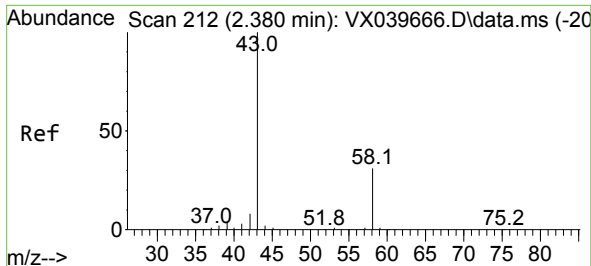
Tgt Ion:128 Resp: 15208
Ion Ratio Lower Upper
128 100
49 170.8 0.0 444.0
130 126.0 0.0 297.8



#6
Chloroethane
Concen: 0.246 ug/l
RT: 1.983 min Scan# 147
Delta R.T. 0.317 min
Lab File: VX040714.D
Acq: 19 Mar 2024 11:44

Tgt Ion: 64 Resp: 165
Ion Ratio Lower Upper
64 100
66 36.1 25.0 37.6





#15

Acetone

Concen: 4.074 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.007 min

Lab File: VX040714.D

Acq: 19 Mar 2024 11:44

Instrument :

MSVOA_X

ClientSampleId :

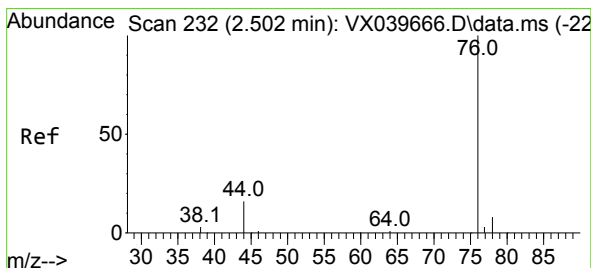
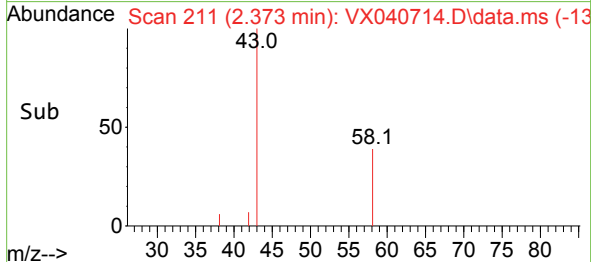
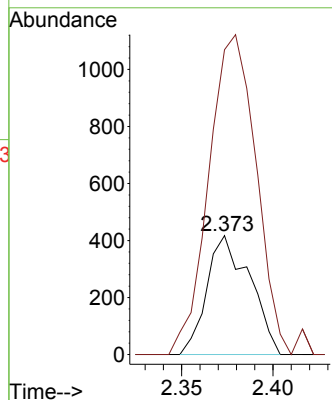
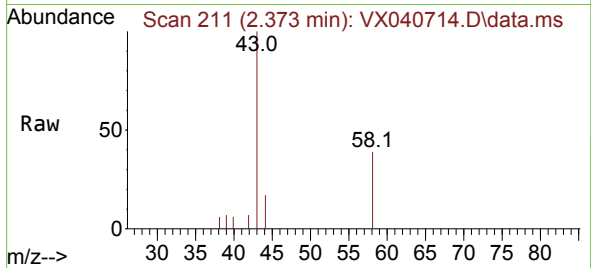
PEZOMETER-206

Tgt Ion: 58 Resp: 685

Ion Ratio Lower Upper

58 100

43 239.1 249.9 374.9#



#16

Carbon Disulfide

Concen: 0.221 ug/l

RT: 2.520 min Scan# 235

Delta R.T. 0.018 min

Lab File: VX040714.D

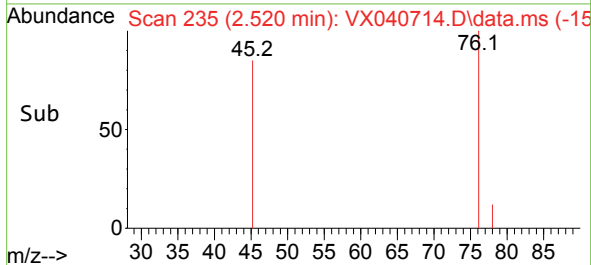
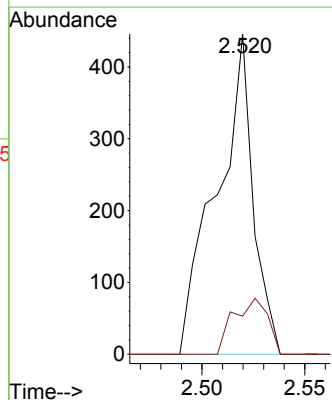
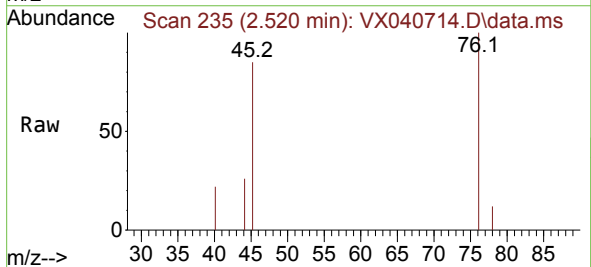
Acq: 19 Mar 2024 11:44

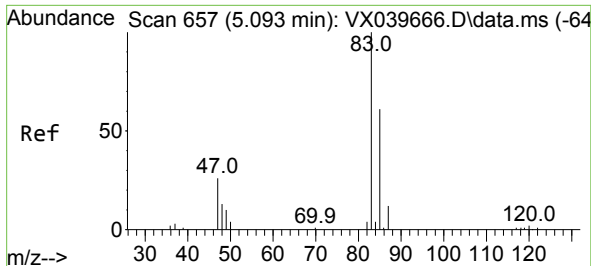
Tgt Ion: 76 Resp: 550

Ion Ratio Lower Upper

76 100

78 11.9 8.0 12.0

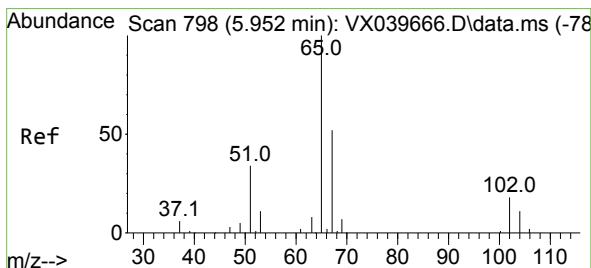
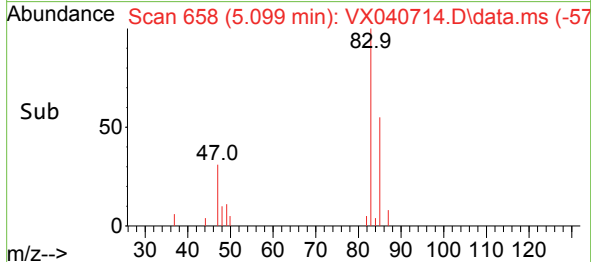
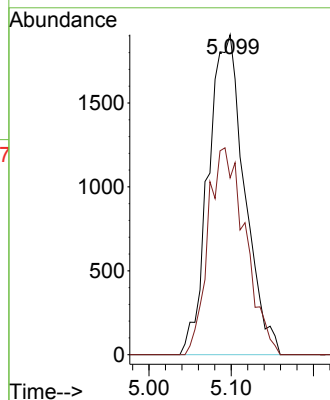
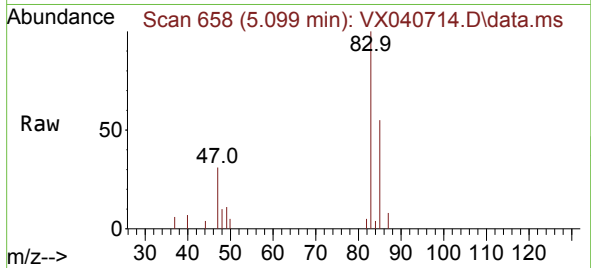




#25
Chloroform
Concen: 2.763 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX040714.D
Acq: 19 Mar 2024 11:44

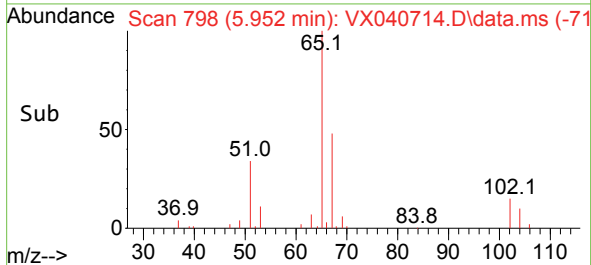
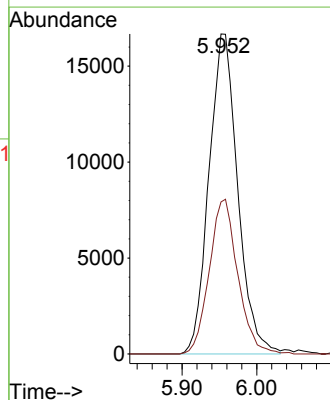
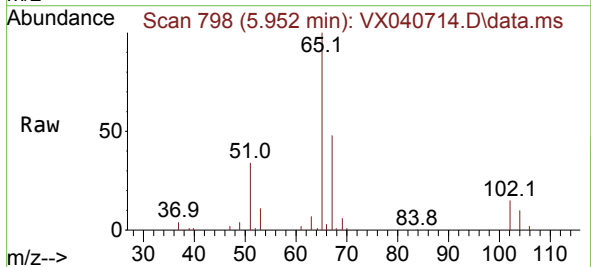
Instrument :
MSVOA_X
ClientSampleId :
PEZOMETER-206

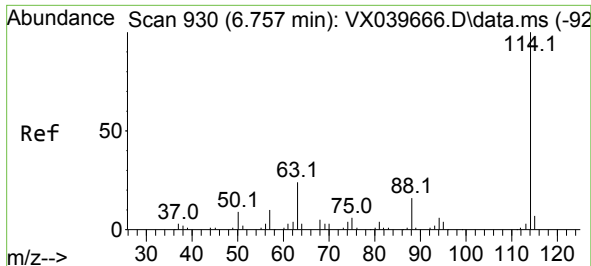
Tgt Ion: 83 Resp: 5825
Ion Ratio Lower Upper
83 100
85 55.3 54.6 81.8



#27
1,2-Dichloroethane-d4
Concen: 29.356 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX040714.D
Acq: 19 Mar 2024 11:44

Tgt Ion: 65 Resp: 44588
Ion Ratio Lower Upper
65 100
67 47.9 42.5 63.7





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX040714.D

Acq: 19 Mar 2024 11:44

Instrument :

MSVOA_X

ClientSampleId :

PEZOMETER-206

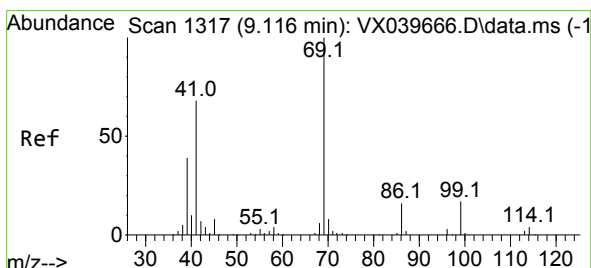
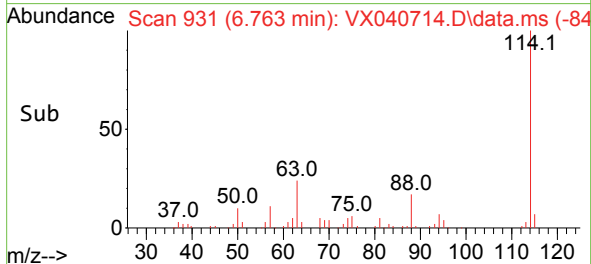
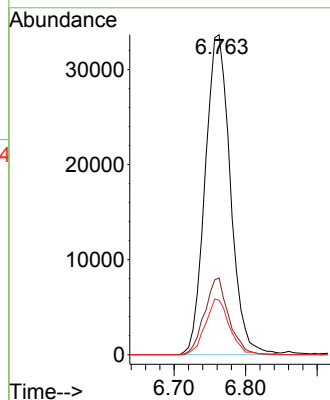
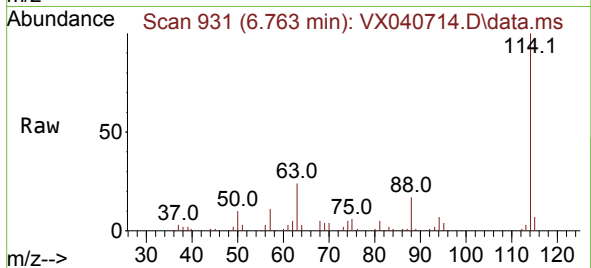
Tgt Ion:114 Resp: 82463

Ion Ratio Lower Upper

114 100

63 23.0 17.0 25.4

88 16.4 12.7 19.1



#51

Ethyl methacrylate

Concen: 0.214 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.469 min

Lab File: VX040714.D

Acq: 19 Mar 2024 11:44

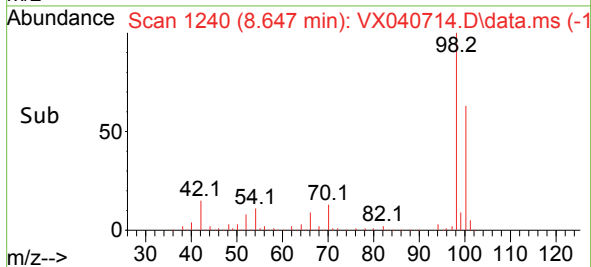
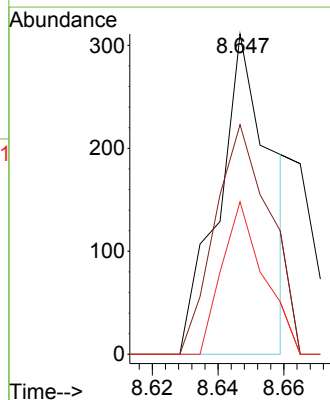
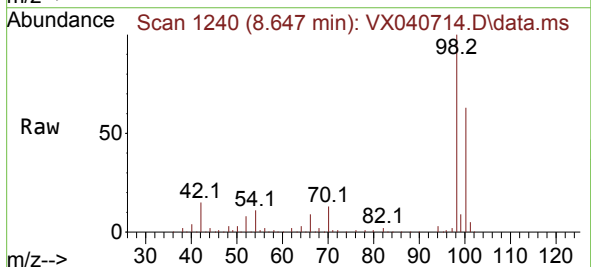
Tgt Ion: 69 Resp: 345

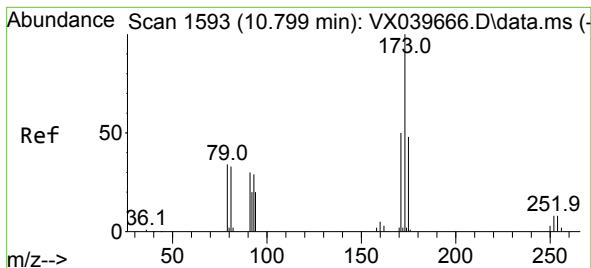
Ion Ratio Lower Upper

69 100

41 71.7 36.2 108.6

39 47.6 21.1 63.4





#56

Bromoform

Concen: 0.237 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.286 min

Lab File: VX040714.D

Acq: 19 Mar 2024 11:44

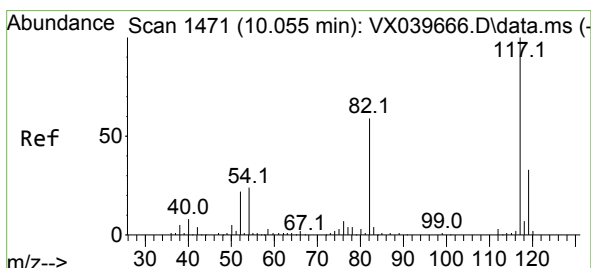
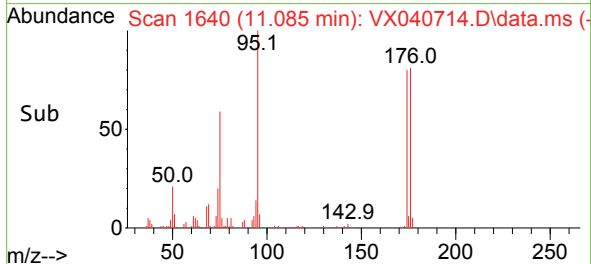
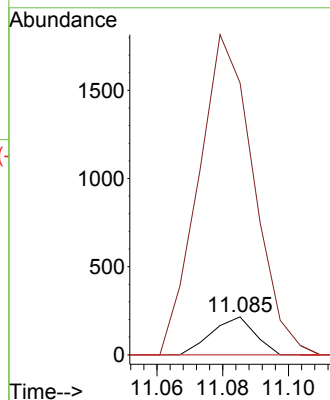
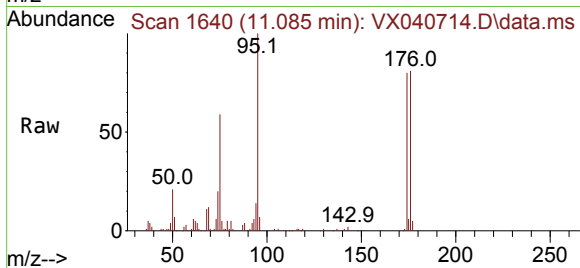
Instrument :

MSVOA_X

ClientSampleId :

PEZOMETER-206

Tgt Ion:173	Resp:	196
Ion Ratio	Lower	Upper
173	100	
175	1080.1	37.6 56.4#
254	0.0	5.8 8.8#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

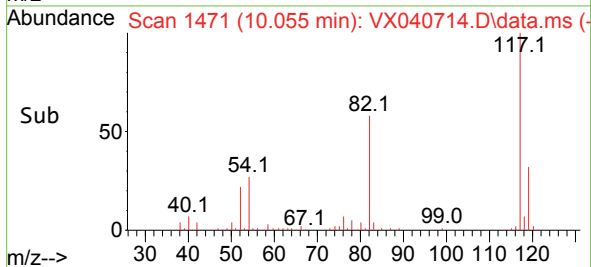
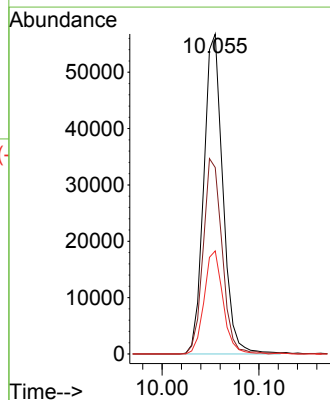
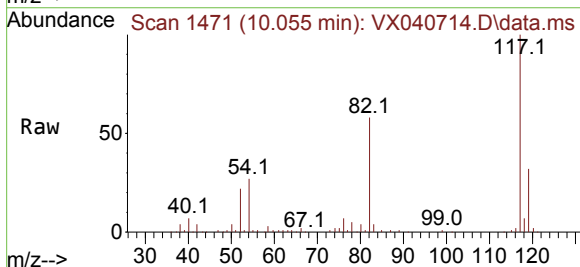
RT: 10.055 min Scan# 1471

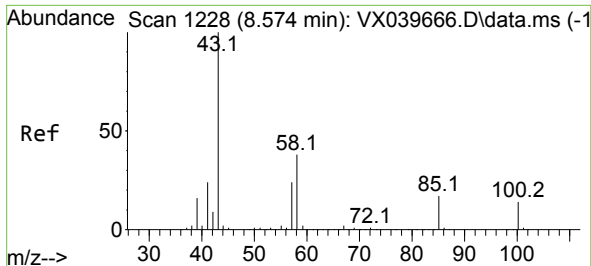
Delta R.T. -0.000 min

Lab File: VX040714.D

Acq: 19 Mar 2024 11:44

Tgt Ion:117	Resp:	77987
Ion Ratio	Lower	Upper
117	100	
82	60.6	47.0 70.6
119	31.8	25.2 37.8

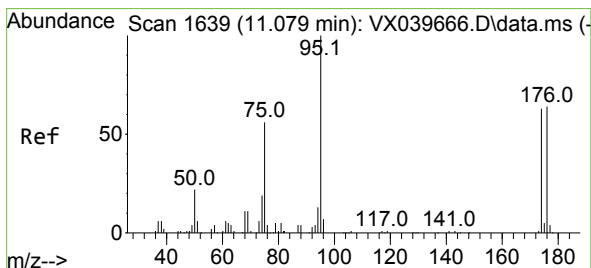
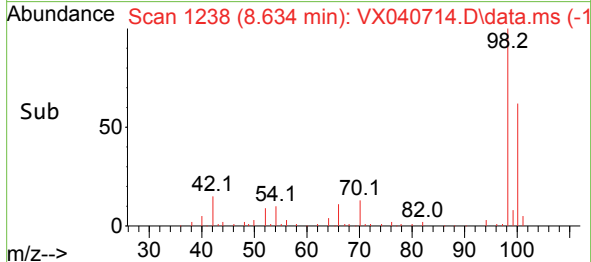
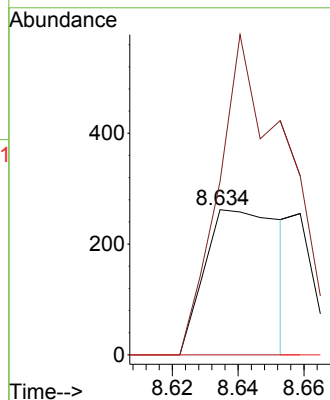
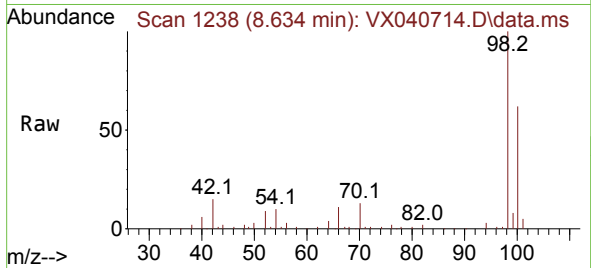




#58
4-Methyl-2-Pentanone
Concen: 0.240 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. 0.060 min
Lab File: VX040714.D
Acq: 19 Mar 2024 11:44

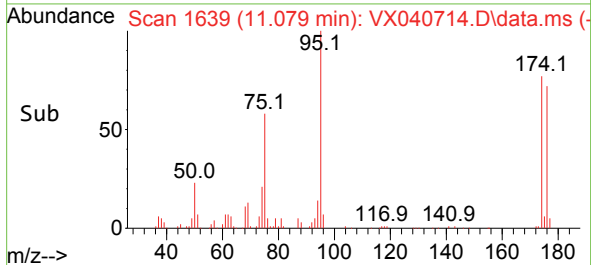
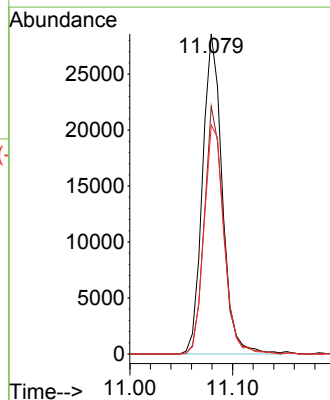
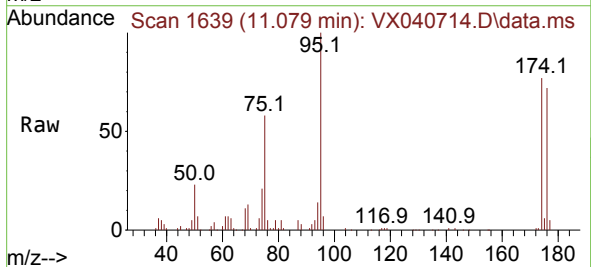
Instrument :
MSVOA_X
ClientSampleId :
PEZOMETER-206

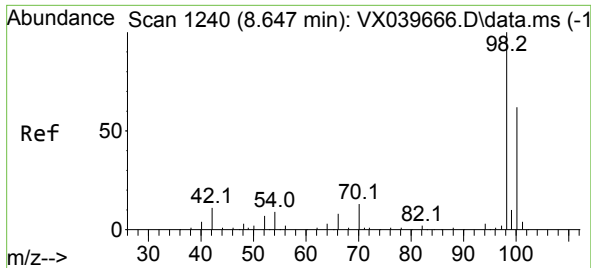
Tgt Ion: 43 Resp: 417
Ion Ratio Lower Upper
43 100
58 199.5 30.1 45.1#
85 0.0 13.9 20.9#



#60
4-Bromofluorobenzene
Concen: 28.534 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040714.D
Acq: 19 Mar 2024 11:44

Tgt Ion: 95 Resp: 38170
Ion Ratio Lower Upper
95 100
174 75.2 55.4 83.2
176 72.5 52.6 78.8

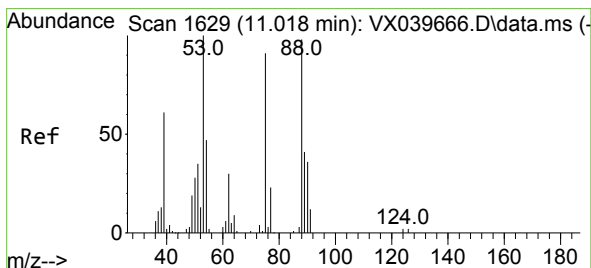
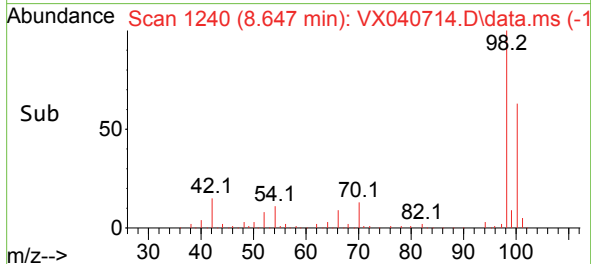
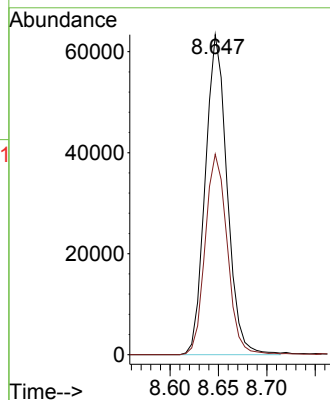
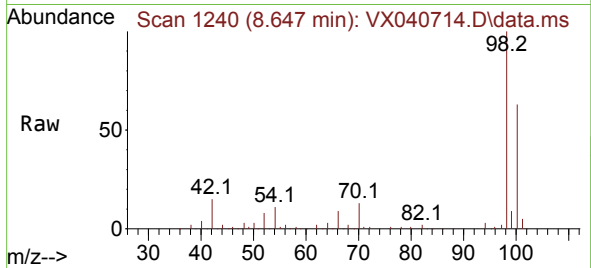




#63
Toluene-d8
Concen: 28.895 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040714.D
Acq: 19 Mar 2024 11:44

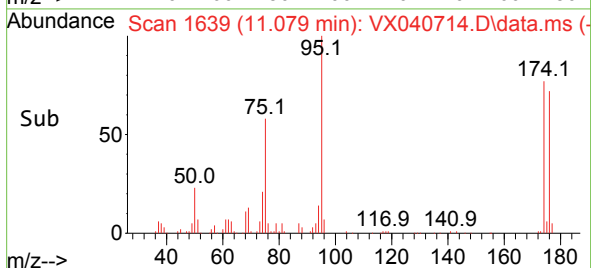
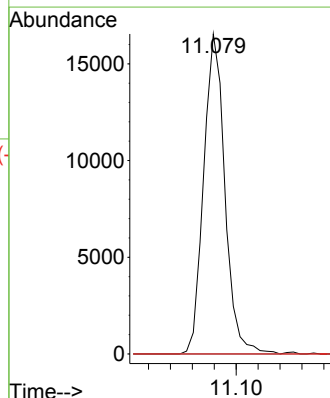
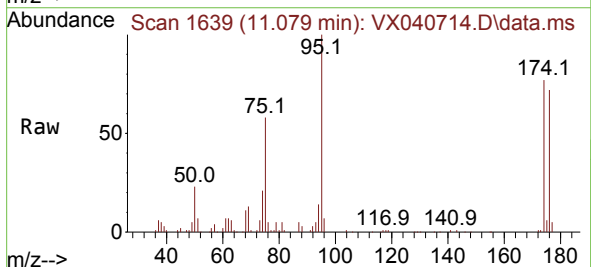
Instrument :
MSVOA_X
ClientSampleId :
PEZOMETER-206

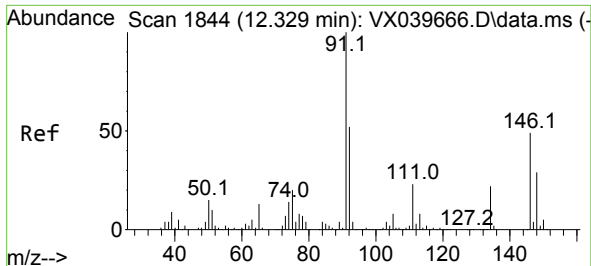
Tgt Ion: 98 Resp: 99585
Ion Ratio Lower Upper
98 100
100 63.7 51.0 76.4



#77
t-1,4-Dichloro-2-butene
Concen: 47.784 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040714.D
Acq: 19 Mar 2024 11:44

Tgt Ion: 75 Resp: 22283
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.8#
89 0.0 21.3 63.7#

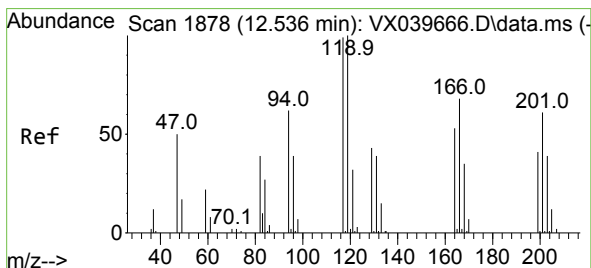
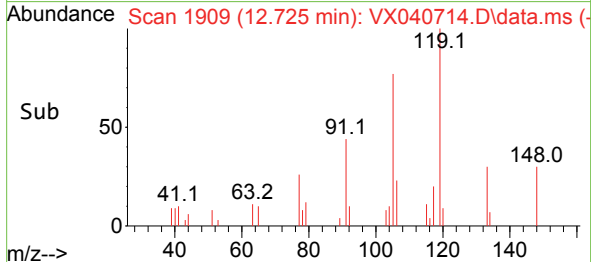
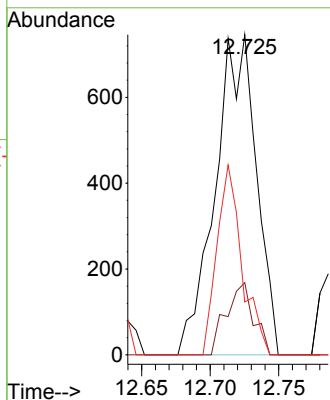
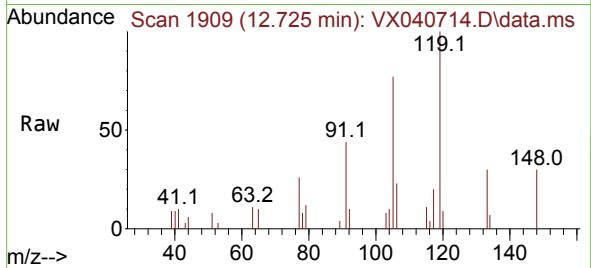




#85
n-Butylbenzene
Concen: 0.378 ug/l
RT: 12.725 min Scan# 1844
Delta R.T. 0.396 min
Lab File: VX040714.D
Acq: 19 Mar 2024 11:44

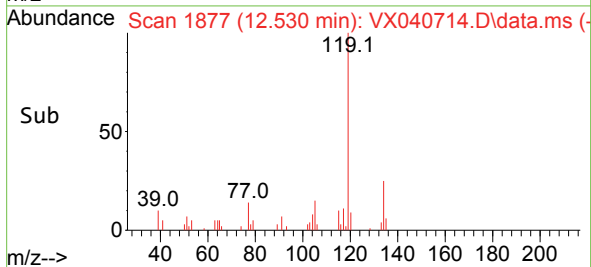
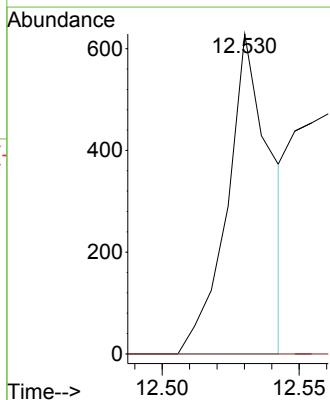
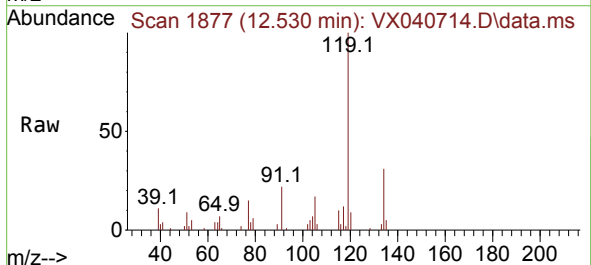
Instrument :
MSVOA_X
ClientSampleId :
PEZOMETER-206

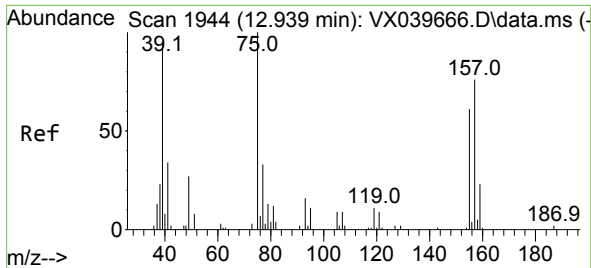
Tgt Ion: 91 Resp: 1554
Ion Ratio Lower Upper
91 100
92 15.1 0.0 106.2
134 36.1 0.0 48.8



#86
Hexachloroethane
Concen: 0.943 ug/l
RT: 12.530 min Scan# 1877
Delta R.T. -0.006 min
Lab File: VX040714.D
Acq: 19 Mar 2024 11:44

Tgt Ion: 117 Resp: 695
Ion Ratio Lower Upper
117 100
201 0.0 31.8 95.3#

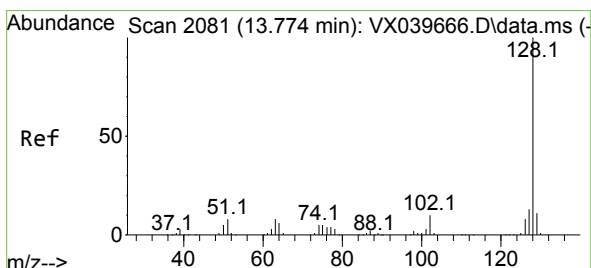
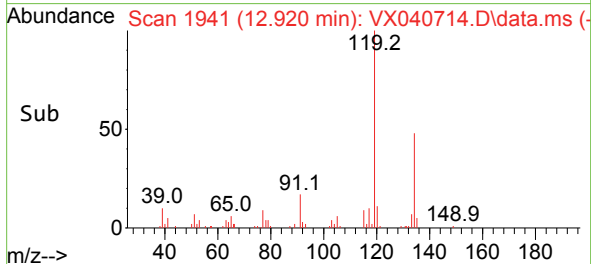
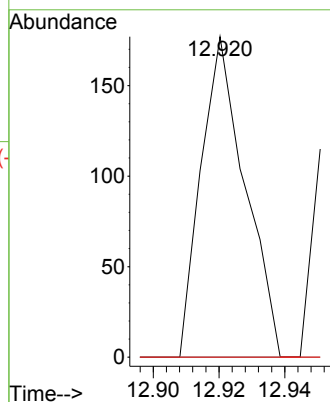
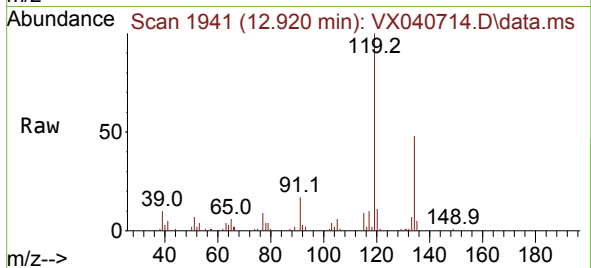




#88
1,2-Dibromo-3-Chloropropane
Concen: 0.368 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.019 min
Lab File: VX040714.D
Acq: 19 Mar 2024 11:44

Instrument :
MSVOA_X
ClientSampleId :
PEZOMETER-206

Tgt Ion: 75 Resp: 164
Ion Ratio Lower Upper
75 100
155 0.0 58.2 87.4#
157 0.0 76.5 114.7#



#91
Naphthalene
Concen: 1.143 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX040714.D
Acq: 19 Mar 2024 11:44

Tgt Ion: 128 Resp: 5347
Ion Ratio Lower Upper
128 100
127 12.1 10.2 15.2
129 12.9 8.6 12.8#

