

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032224\
 Data File : VX040776.D
 Acq On : 22 Mar 2024 13:35
 Operator : JC/MD
 Sample : P1836-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 240308028-08

Quant Time: Mar 23 05:04:44 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)

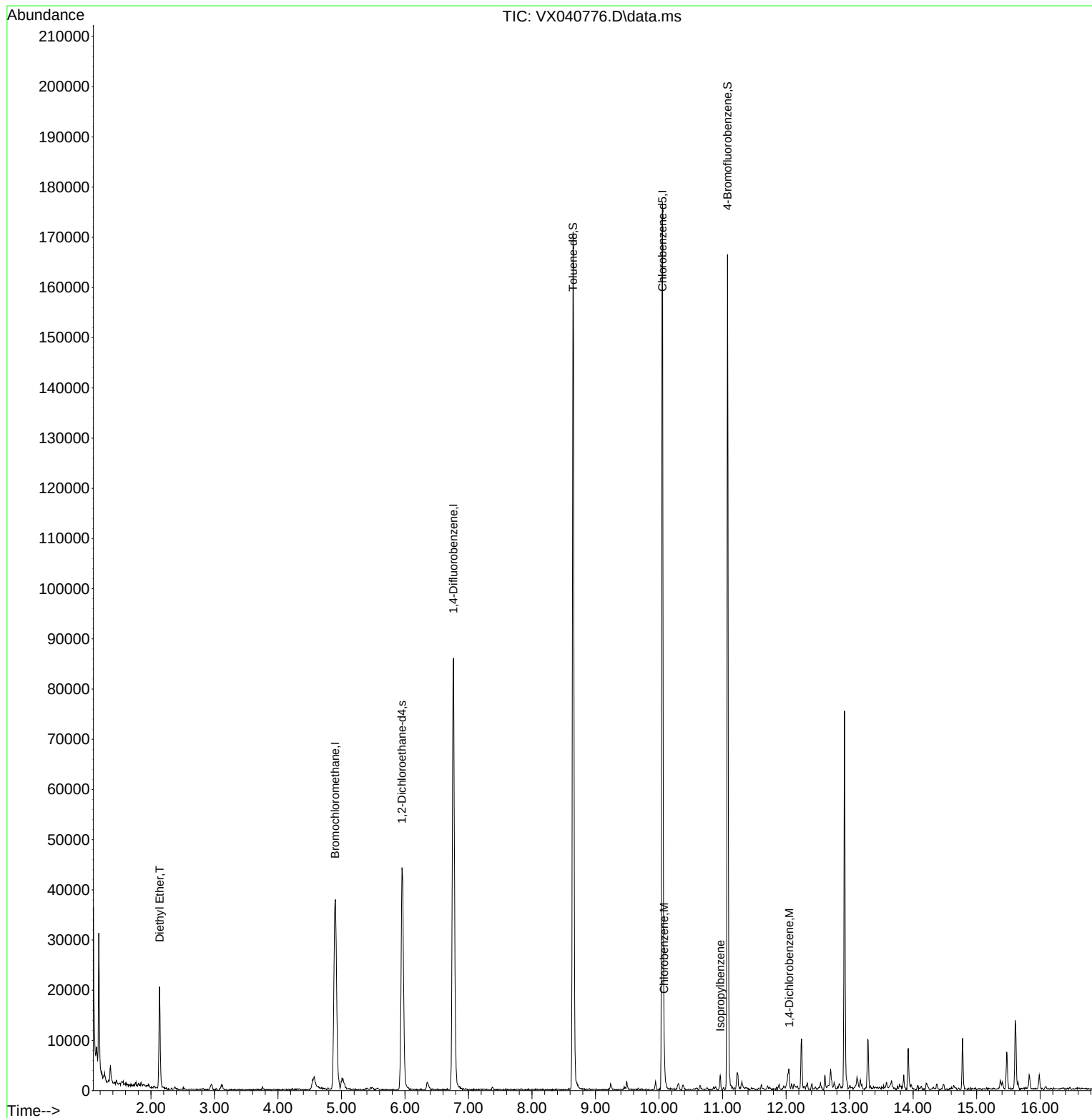
Internal Standards						
1) Bromochloromethane	4.897	128	14773	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	82436	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	76209	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	44134	29.912	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.700%
60) 4-Bromofluorobenzene	11.079	95	39006	29.839	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.467%
63) Toluene-d8	8.647	98	97830	29.048	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.833%
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.136	74	6140	10.705	ug/l	98
64) Chlorobenzene	10.079	112	2340	0.912	ug/l	93
70) Isopropylbenzene	10.963	105	1324	0.285	ug/l	97
84) 1,4-Dichlorobenzene	12.049	146	1419	0.648	ug/l	86

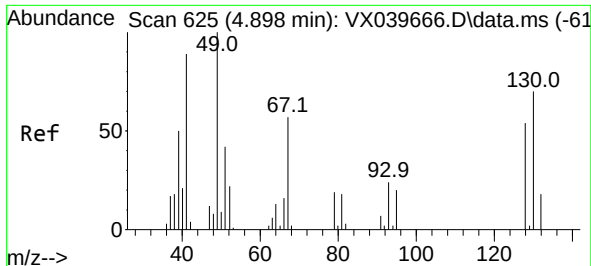
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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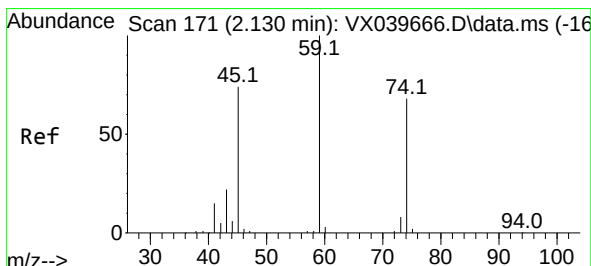
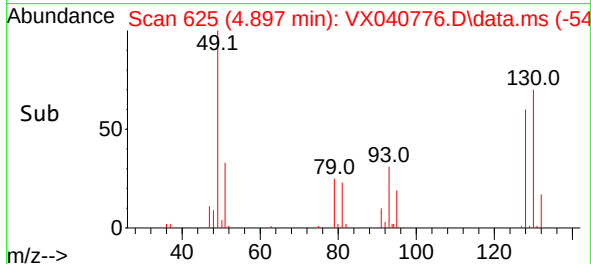
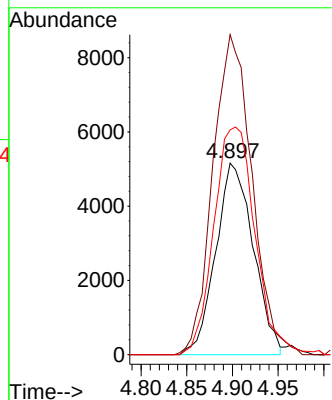
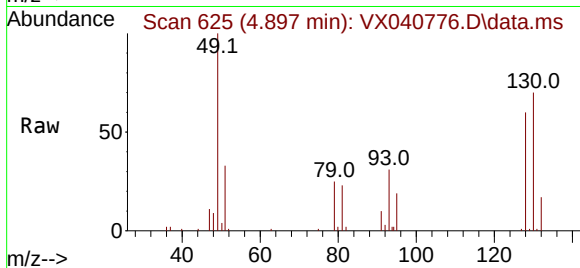




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX040776.D
Acq: 22 Mar 2024 13:35

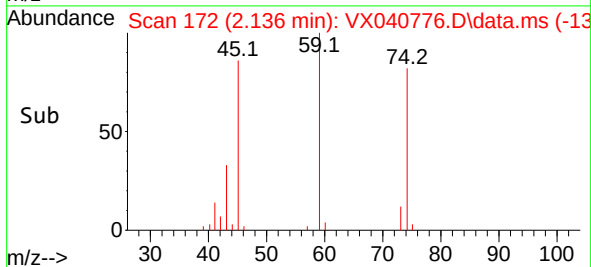
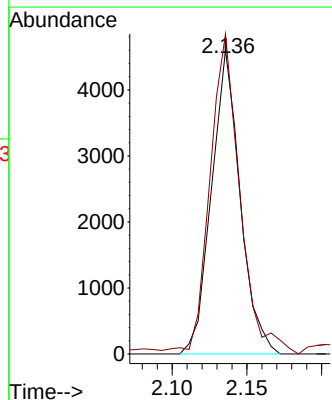
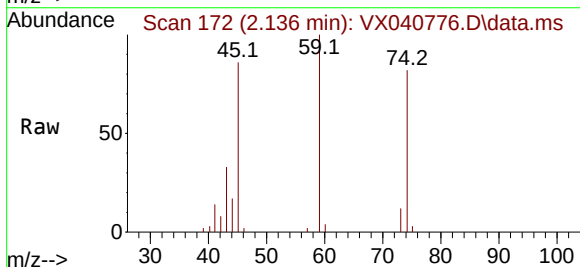
Instrument :
MSVOA_X
ClientSampleId :
240308028-08

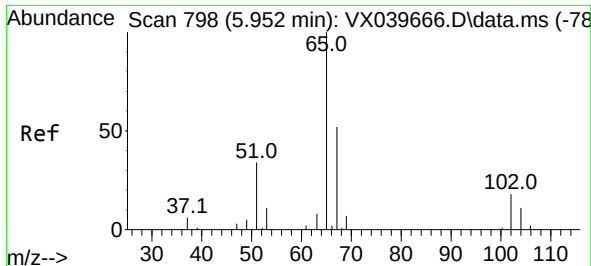
Tgt Ion:128 Resp: 14773
Ion Ratio Lower Upper
128 100
49 173.5 0.0 444.0
130 130.3 0.0 297.8



#8
Diethyl Ether
Concen: 10.705 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX040776.D
Acq: 22 Mar 2024 13:35

Tgt Ion: 74 Resp: 6140
Ion Ratio Lower Upper
74 100
45 104.6 20.5 184.5

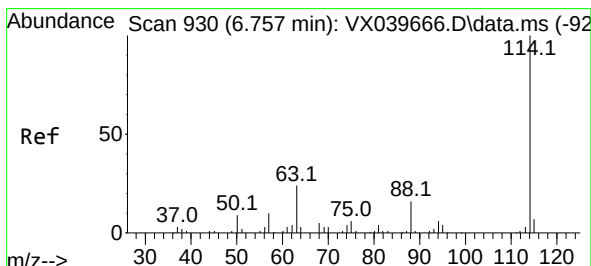
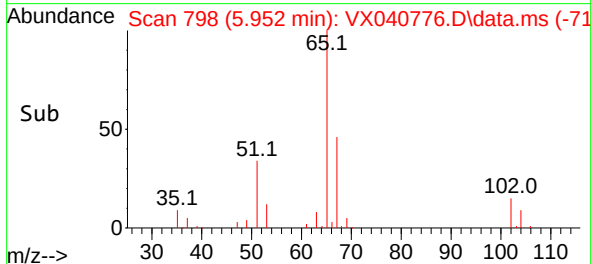
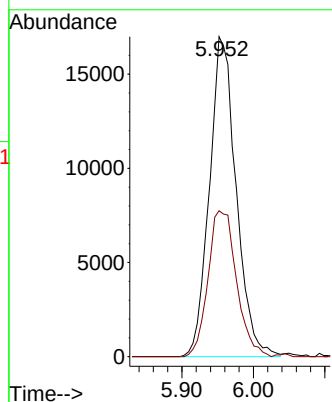
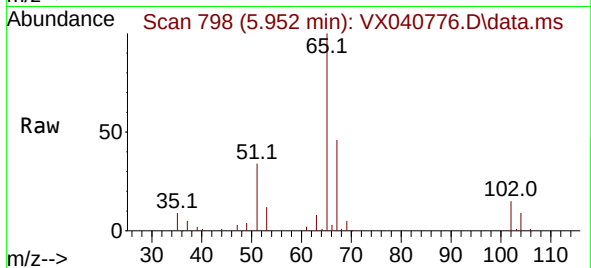




#27
 1,2-Dichloroethane-d4
 Concen: 29.912 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX040776.D
 Acq: 22 Mar 2024 13:35

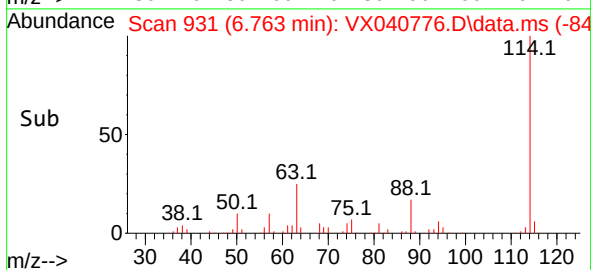
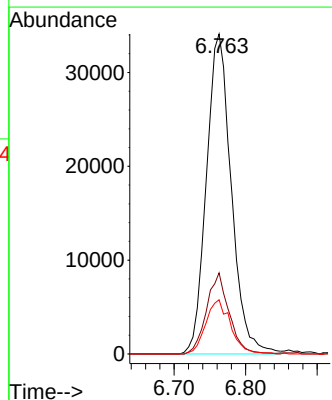
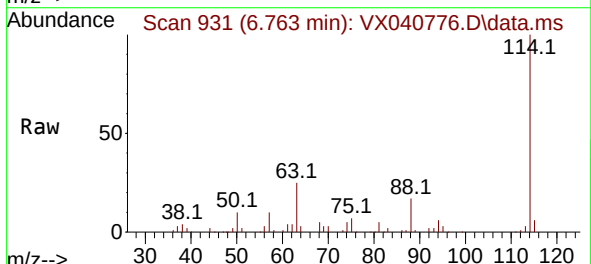
Instrument :
 MSVOA_X
 ClientSampleId :
 240308028-08

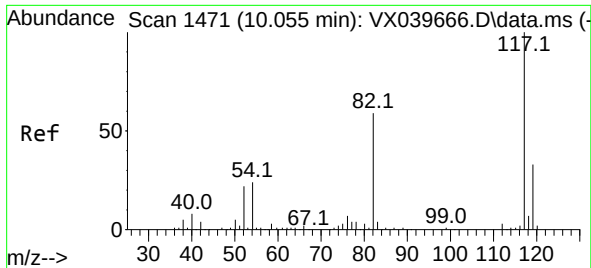
Tgt Ion: 65 Resp: 44134
 Ion Ratio Lower Upper
 65 100
 67 48.5 42.5 63.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX040776.D
 Acq: 22 Mar 2024 13:35

Tgt Ion: 114 Resp: 82436
 Ion Ratio Lower Upper
 114 100
 63 23.0 17.0 25.4
 88 16.9 12.7 19.1

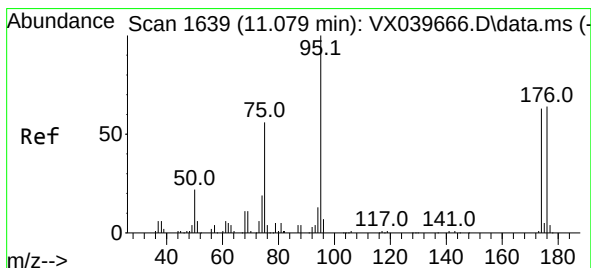
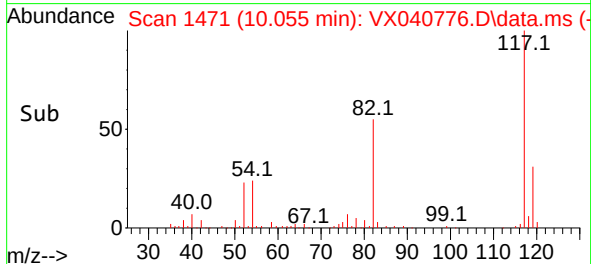
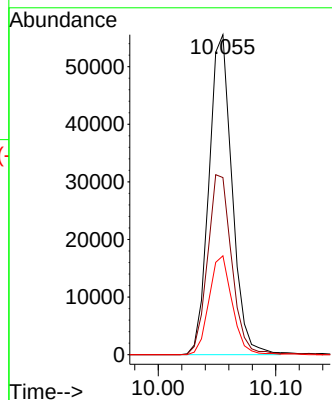
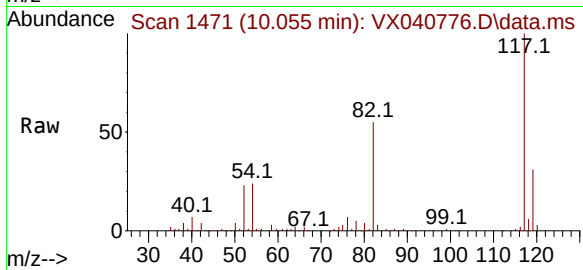




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040776.D
Acq: 22 Mar 2024 13:35

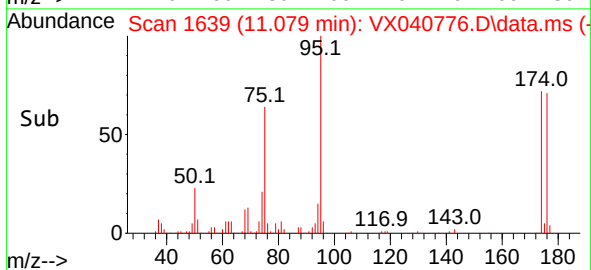
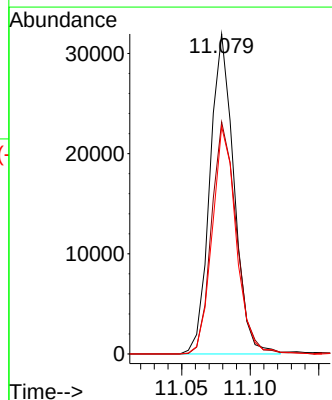
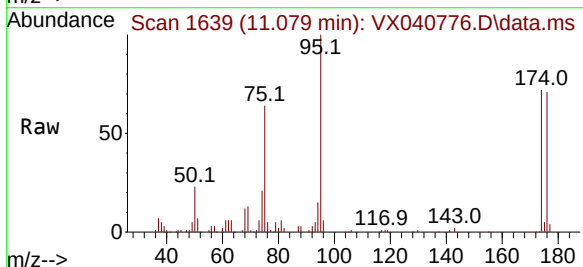
Instrument :
MSVOA_X
ClientSampleId :
240308028-08

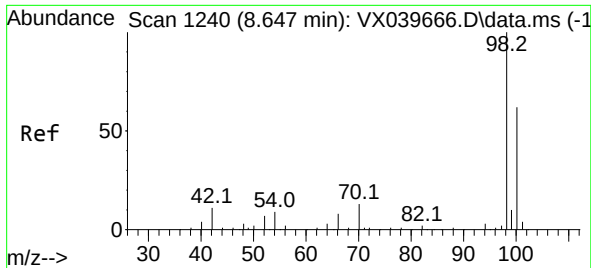
Tgt Ion:	117	Resp:	76209
Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.0	70.6
119	30.8	25.2	37.8



#60
4-Bromofluorobenzene
Concen: 29.839 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040776.D
Acq: 22 Mar 2024 13:35

Tgt Ion:	95	Resp:	39006
Ion	Ratio	Lower	Upper
95	100		
174	74.7	55.4	83.2
176	70.7	52.6	78.8

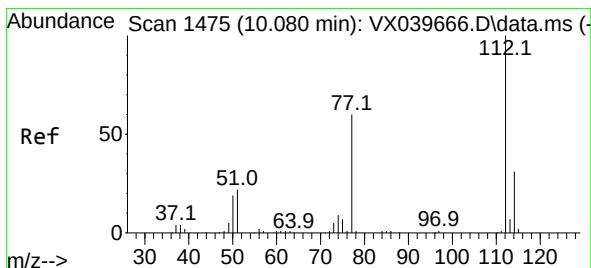
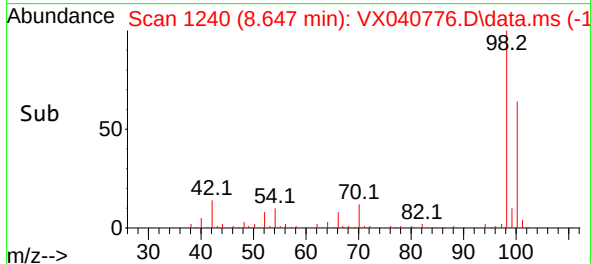
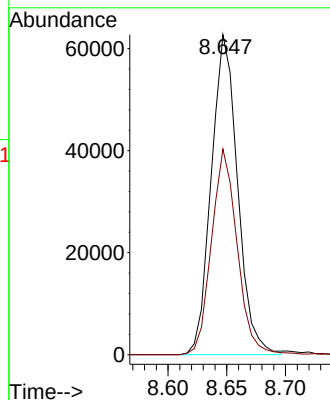
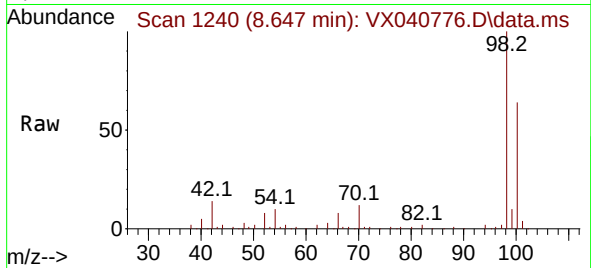




#63
Toluene-d8
Concen: 29.048 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040776.D
Acq: 22 Mar 2024 13:35

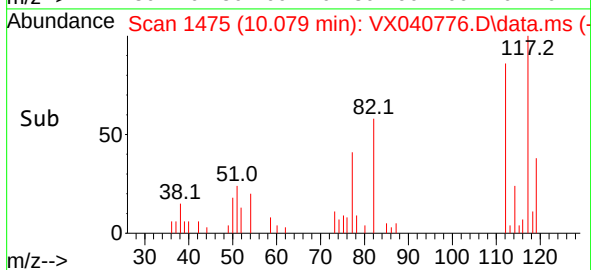
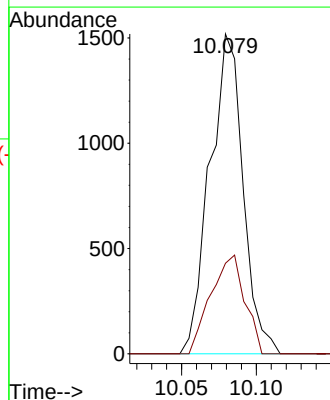
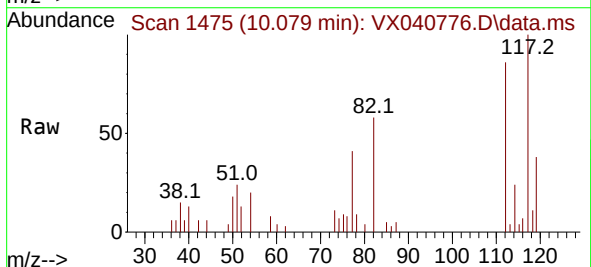
Instrument :
MSVOA_X
ClientSampleId :
240308028-08

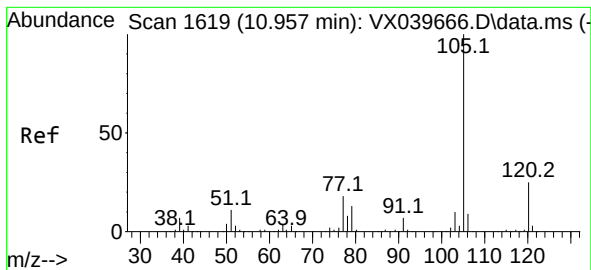
Tgt Ion: 98 Resp: 97830
Ion Ratio Lower Upper
98 100
100 62.7 51.0 76.4



#64
Chlorobenzene
Concen: 0.912 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.001 min
Lab File: VX040776.D
Acq: 22 Mar 2024 13:35

Tgt Ion: 112 Resp: 2340
Ion Ratio Lower Upper
112 100
114 28.3 25.9 38.9





#70

Isopropylbenzene

Concen: 0.285 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX040776.D

Acq: 22 Mar 2024 13:35

Instrument :

MSVOA_X

ClientSampleId :

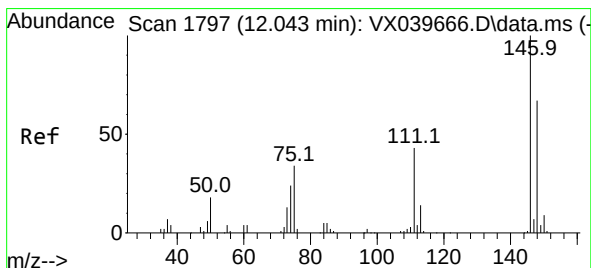
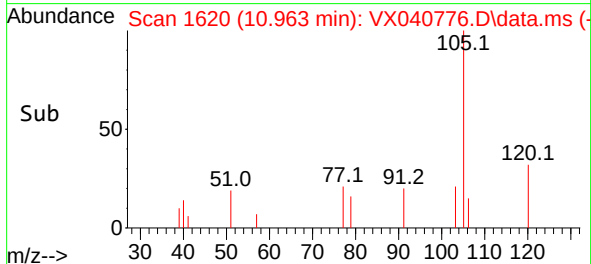
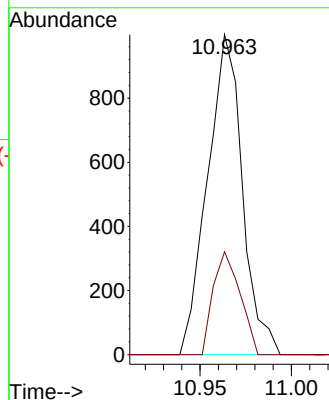
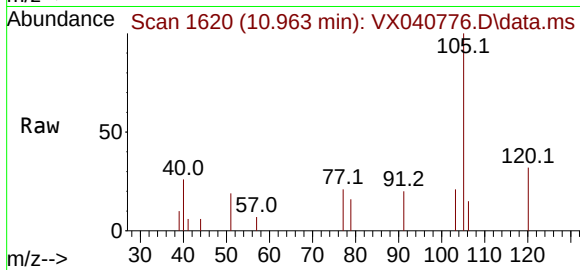
240308028-08

Tgt Ion:105 Resp: 1324

Ion Ratio Lower Upper

105 100

120 24.8 18.5 34.3



#84

1,4-Dichlorobenzene

Concen: 0.648 ug/l

RT: 12.049 min Scan# 1798

Delta R.T. 0.006 min

Lab File: VX040776.D

Acq: 22 Mar 2024 13:35

Tgt Ion:146 Resp: 1419

Ion Ratio Lower Upper

146 100

111 35.4 21.4 64.2

148 51.5 31.8 95.4

