

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032224\
 Data File : VX040780.D
 Acq On : 22 Mar 2024 15:06
 Operator : JC/MD
 Sample : P1836-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 240308028-05

Quant Time: Mar 23 05:06:05 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)

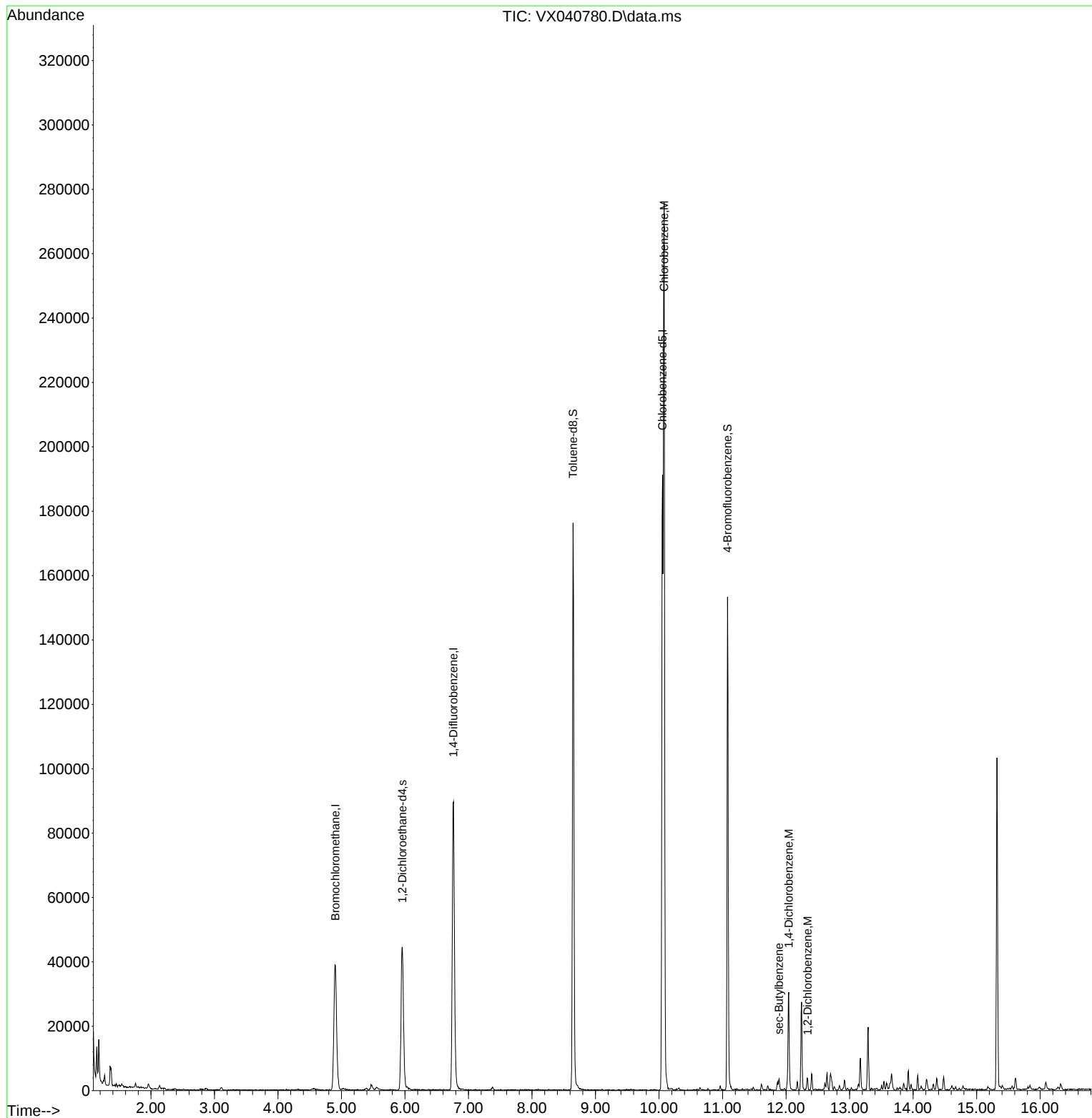
Internal Standards						
1) Bromochloromethane	4.904	128	15388	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	85605	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	75181	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	44466	28.933	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.433%
60) 4-Bromofluorobenzene	11.079	95	37611	29.165	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.233%
63) Toluene-d8	8.647	98	100486	30.245	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.800%
Target Compounds						
					Qvalue	
64) Chlorobenzene	10.079	112	111223	43.949	ug/l	98
81) sec-Butylbenzene	11.890	105	1949	0.392	ug/l	97
84) 1,4-Dichlorobenzene	12.043	146	9182	4.250	ug/l	97
87) 1,2-Dichlorobenzene	12.341	146	914	0.445	ug/l	90

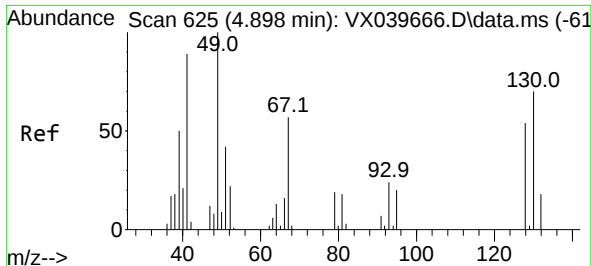
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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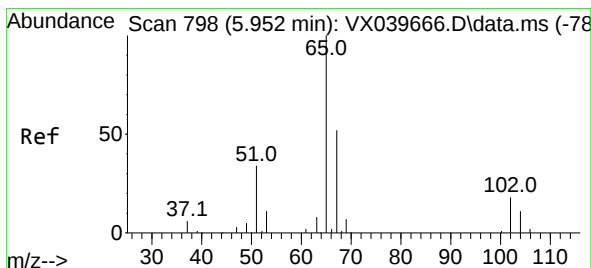
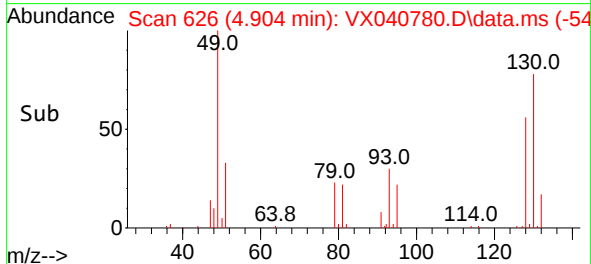
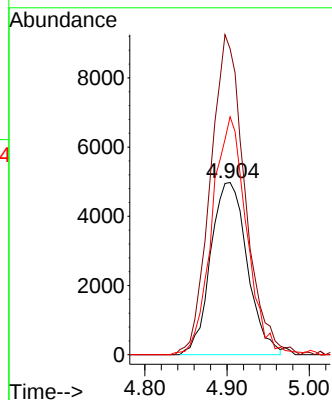
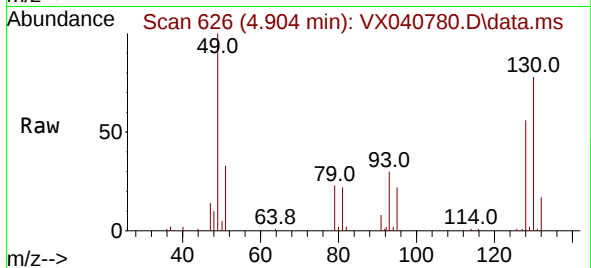




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX040780.D
Acq: 22 Mar 2024 15:06

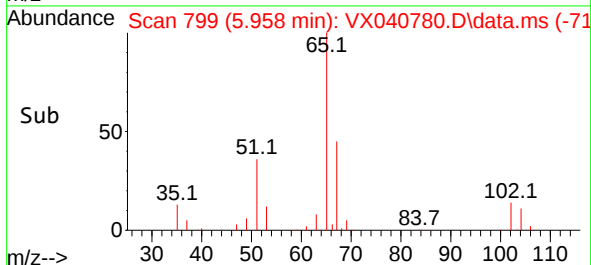
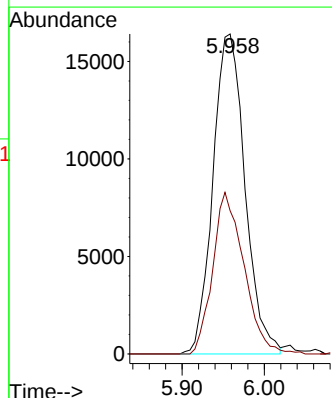
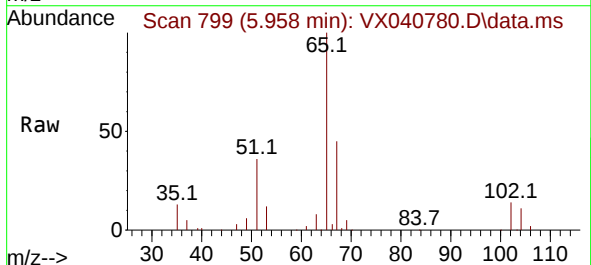
Instrument :
MSVOA_X
ClientSampleId :
240308028-05

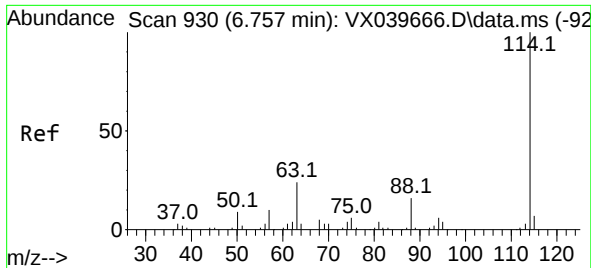
Tgt Ion:128 Resp: 15388
Ion Ratio Lower Upper
128 100
49 174.5 0.0 444.0
130 128.9 0.0 297.8



#27
1,2-Dichloroethane-d4
Concen: 28.933 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040780.D
Acq: 22 Mar 2024 15:06

Tgt Ion: 65 Resp: 44466
Ion Ratio Lower Upper
65 100
67 49.2 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: VX040780.D

Acq: 22 Mar 2024 15:06

Instrument :

MSVOA_X

ClientSampleId :

240308028-05

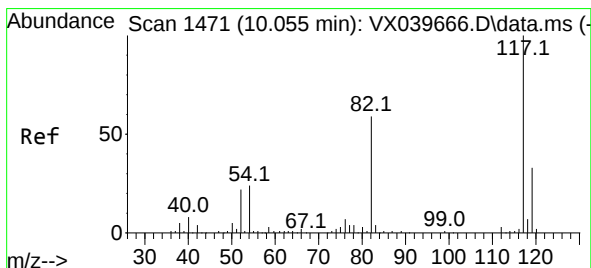
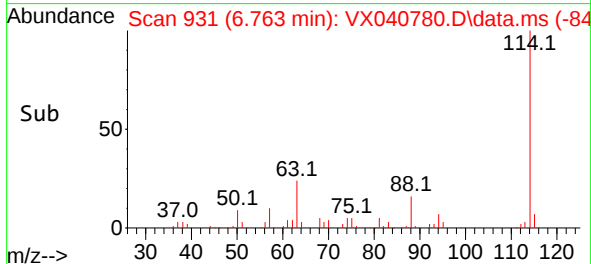
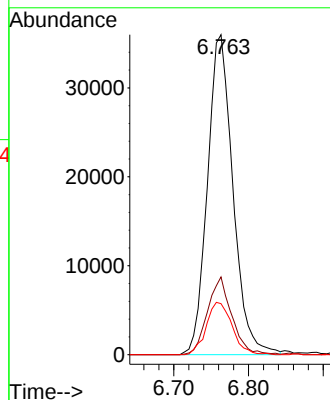
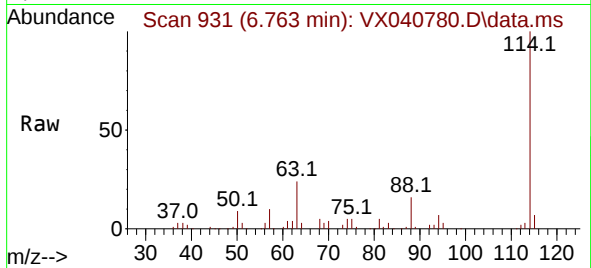
Tgt Ion:114 Resp: 85605

Ion Ratio Lower Upper

114 100

63 23.0 17.0 25.4

88 16.4 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: VX040780.D

Acq: 22 Mar 2024 15:06

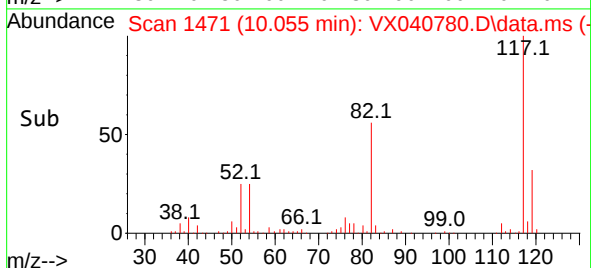
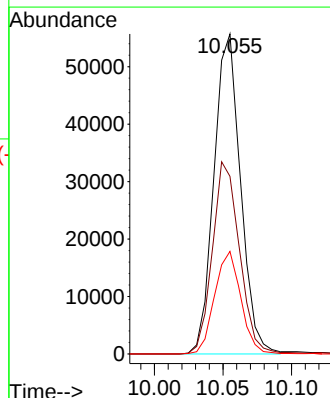
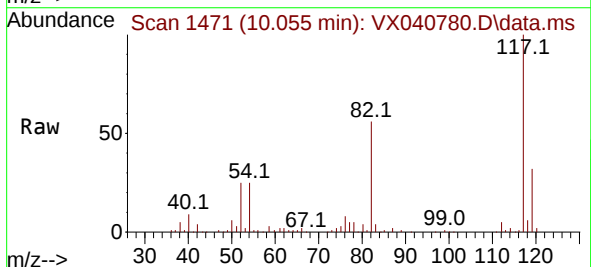
Tgt Ion:117 Resp: 75181

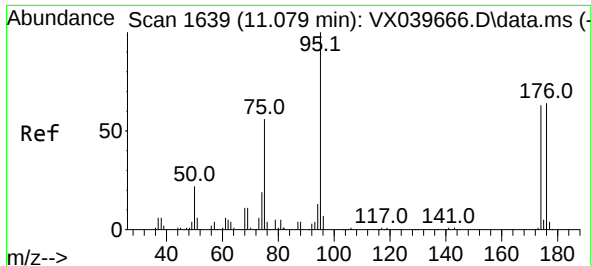
Ion Ratio Lower Upper

117 100

82 61.0 47.0 70.6

119 31.7 25.2 37.8

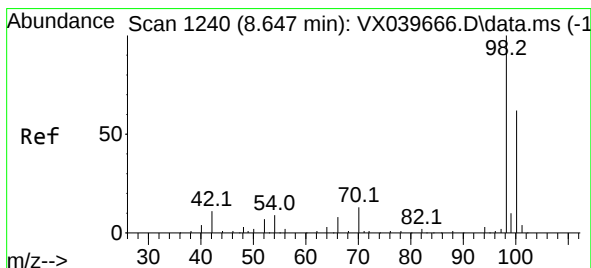
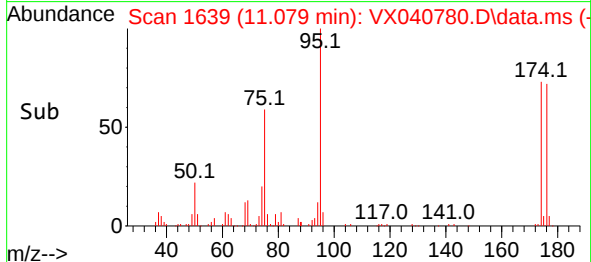
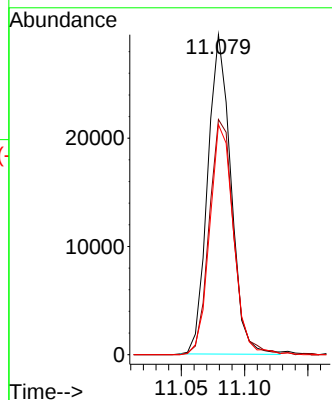
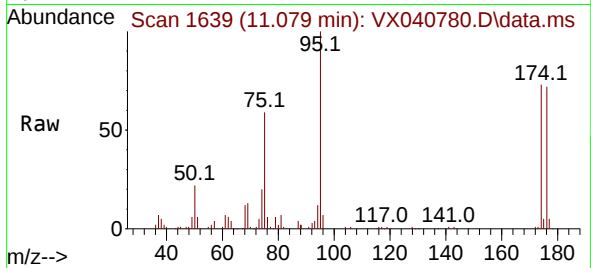




#60
4-Bromofluorobenzene
Concen: 29.165 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040780.D
Acq: 22 Mar 2024 15:06

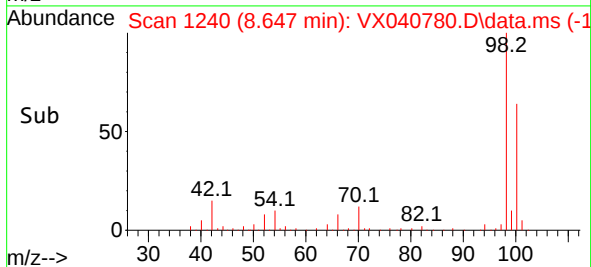
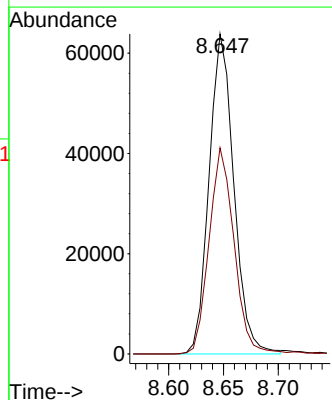
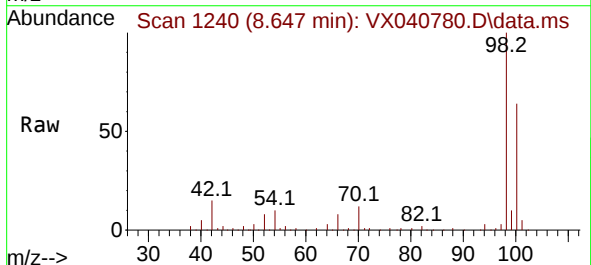
Instrument :
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ClientSampleId :
240308028-05

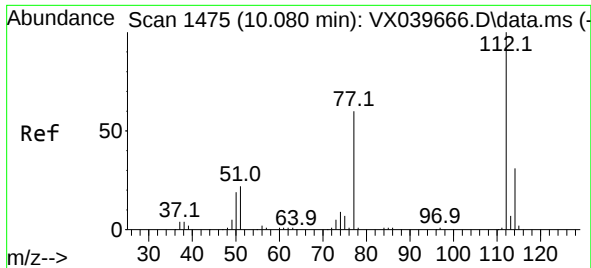
Tgt Ion: 95 Resp: 37611
Ion Ratio Lower Upper
95 100
174 77.5 55.4 83.2
176 74.0 52.6 78.8



#63
Toluene-d8
Concen: 30.245 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040780.D
Acq: 22 Mar 2024 15:06

Tgt Ion: 98 Resp: 100486
Ion Ratio Lower Upper
98 100
100 64.9 51.0 76.4

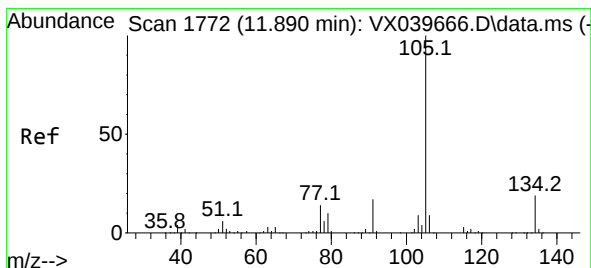
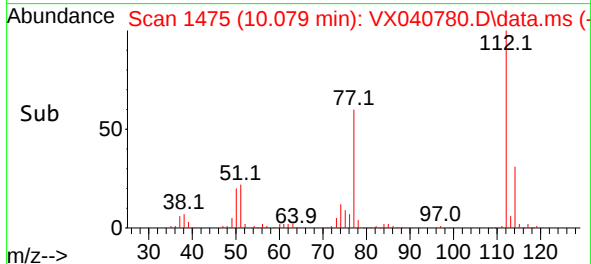
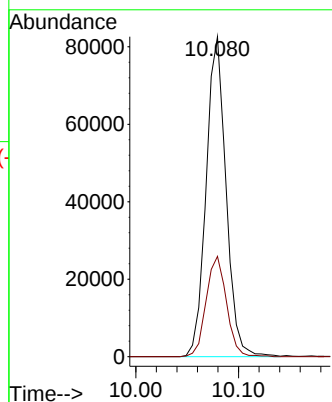
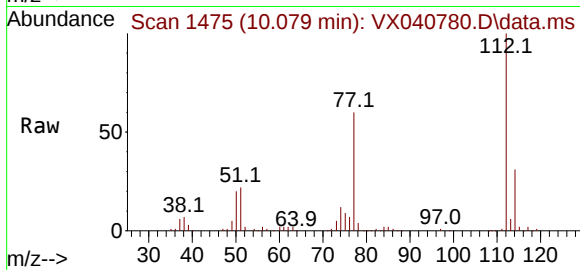




#64
Chlorobenzene
Concen: 43.949 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.001 min
Lab File: VX040780.D
Acq: 22 Mar 2024 15:06

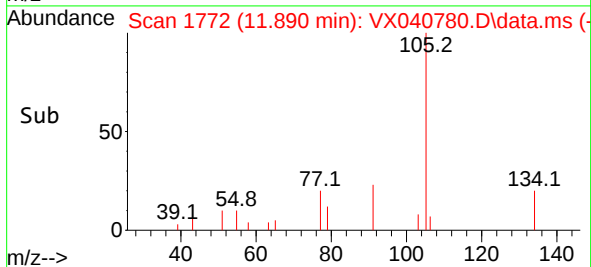
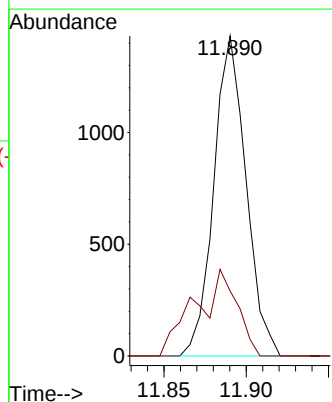
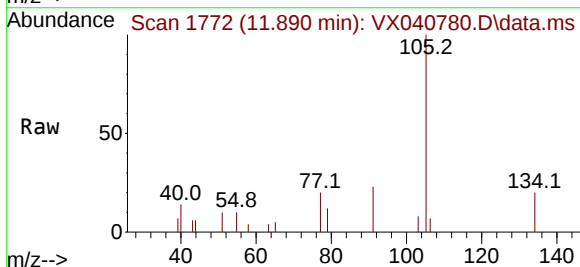
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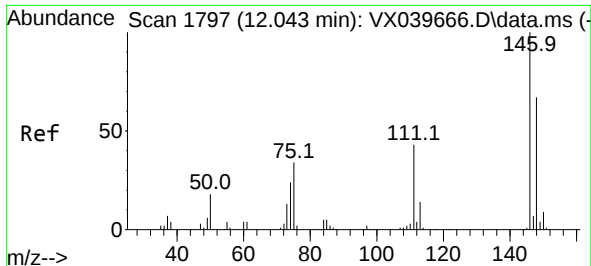
Tgt Ion:112 Resp: 111223
Ion Ratio Lower Upper
112 100
114 31.3 25.9 38.9



#81
sec-Butylbenzene
Concen: 0.392 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX040780.D
Acq: 22 Mar 2024 15:06

Tgt Ion:105 Resp: 1949
Ion Ratio Lower Upper
105 100
134 18.1 0.0 38.4

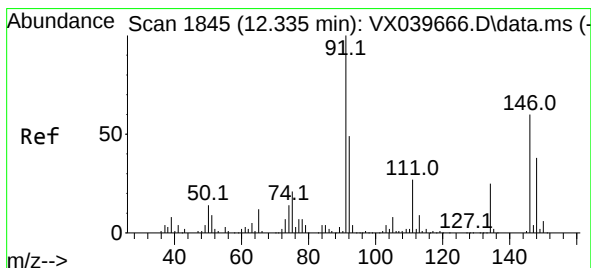
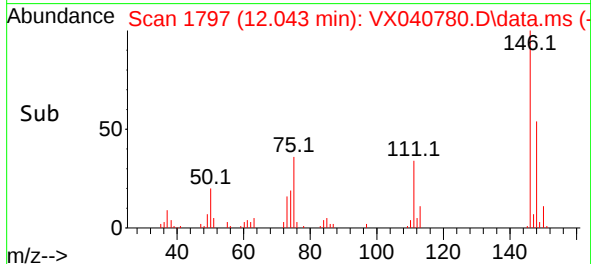
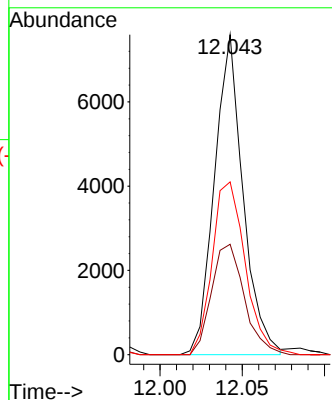
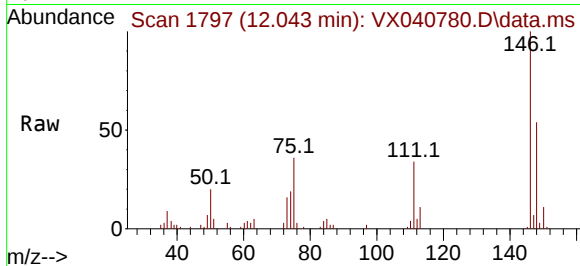




#84
1,4-Dichlorobenzene
Concen: 4.250 ug/l
RT: 12.043 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040780.D
Acq: 22 Mar 2024 15:06

Instrument :
MSVOA_X
ClientSampleId :
240308028-05

Tgt Ion:146 Resp: 9182
Ion Ratio Lower Upper
146 100
111 39.7 21.4 64.2
148 62.5 31.8 95.4



#87
1,2-Dichlorobenzene
Concen: 0.445 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VX040780.D
Acq: 22 Mar 2024 15:06

Tgt Ion:146 Resp: 914
Ion Ratio Lower Upper
146 100
111 31.2 22.4 67.2
148 61.6 31.9 95.7

