

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020720\
 Data File : VX014869.D
 Acq On : 07 Feb 2020 14:28
 Operator : JC/SP
 Sample : L1440-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-1

Quant Time: Feb 20 11:36:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	70002	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	378051	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	339014	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.05	65	153455	31.19	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.97%
60) 4-Bromofluorobenzene	11.14	95	155169	28.60	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.33%
63) Toluene-d8	8.71	98	434401	28.37	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.57%

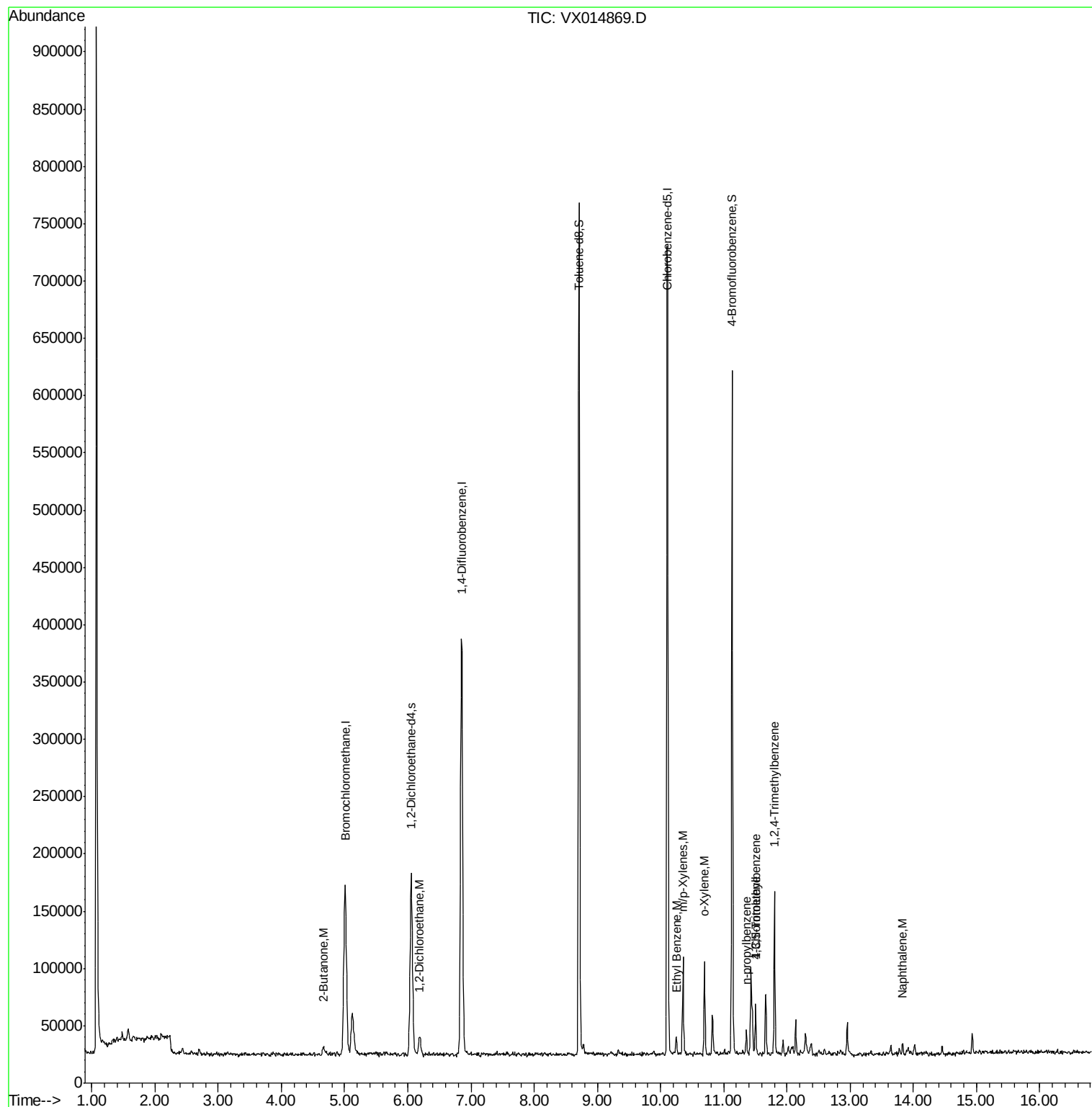
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
30) 2-Butanone	4.66	43	12672	3.608	ug/l	99
36) 1,2-Dichloroethane	6.18	62	20155	3.380	ug/l #	84
66) Ethyl Benzene	10.25	91	10376	0.530	ug/l	95
67) m/p-Xylenes	10.35	106	21774	2.902	ug/l	99
68) o-Xylene	10.70	106	18944	2.592	ug/l	99
74) n-propylbenzene	11.35	91	12253	0.560	ug/l	93
76) 1,3,5-Trimethylbenzene	11.50	105	18296	1.147	ug/l	98
78) 4-Chlorotoluene	11.51	91	4505	0.303	ug/l	80
80) 1,2,4-Trimethylbenzene	11.81	105	64407	4.048	ug/l	97
91) Naphthalene	13.83	128	6919	0.388	ug/l #	93

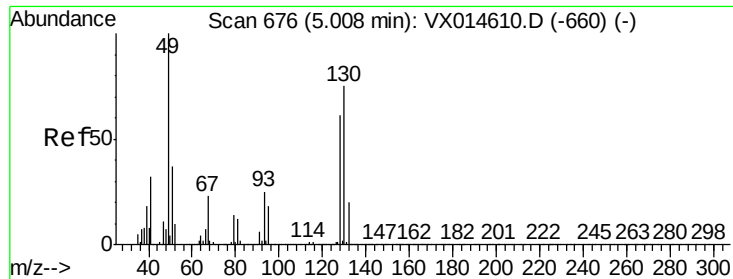
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX020720\
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TW-1

Quant Time: Feb 20 11:36:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 15 12:41:12 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014869.D

Acq: 07 Feb 2020 14:28

Instrument :

MSVOA_X

ClientSampled :

TW-1

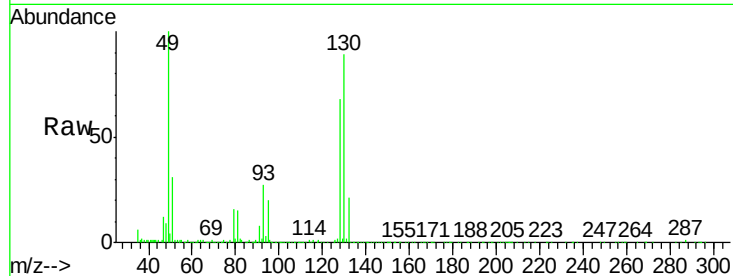
Tot Ion:128 Resp: 70002

Ion Ratio Lower Upper

128 100

49 146.0 0.0 405.0

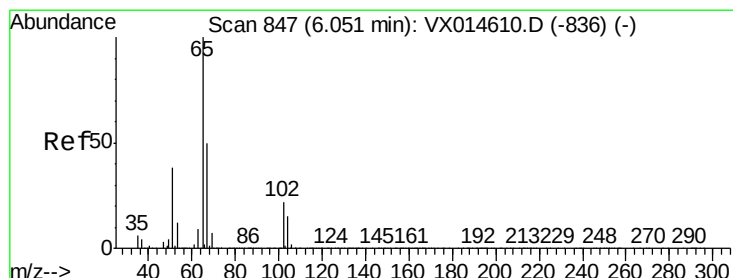
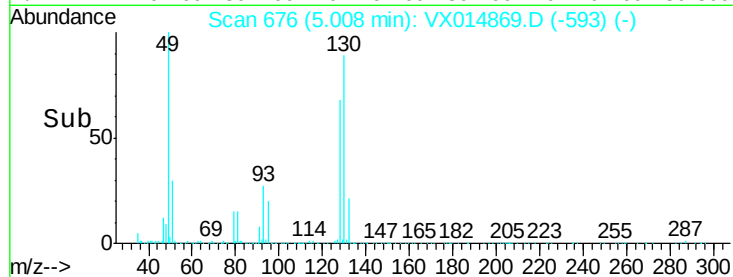
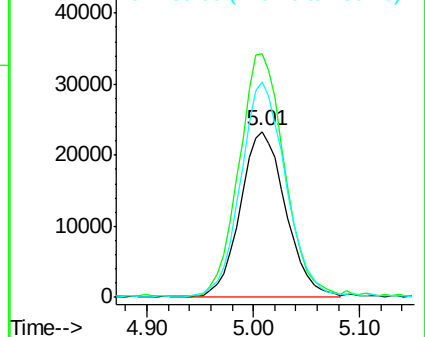
130 128.7 0.0 321.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#27

1,2-Dichloroethane-d4

Concen: 31.188 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014869.D

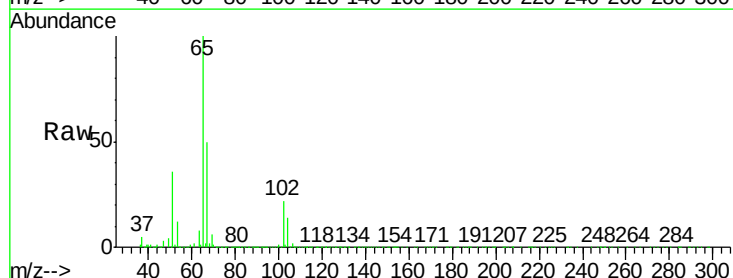
Acq: 07 Feb 2020 14:28

Tgt Ion: 65 Resp: 153455

Ion Ratio Lower Upper

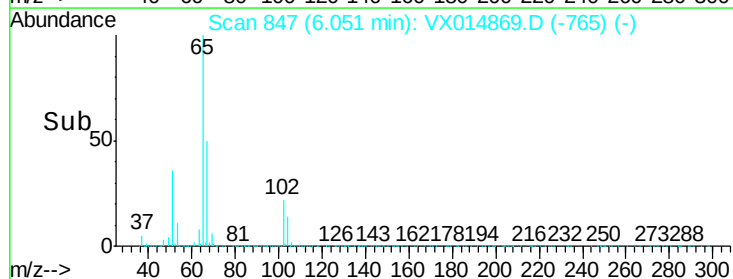
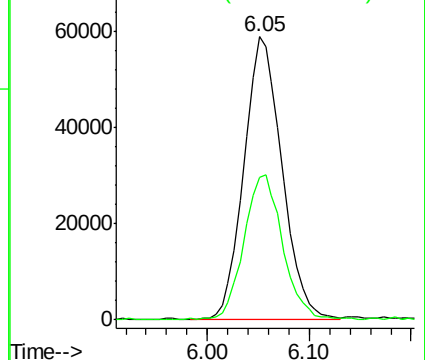
65 100

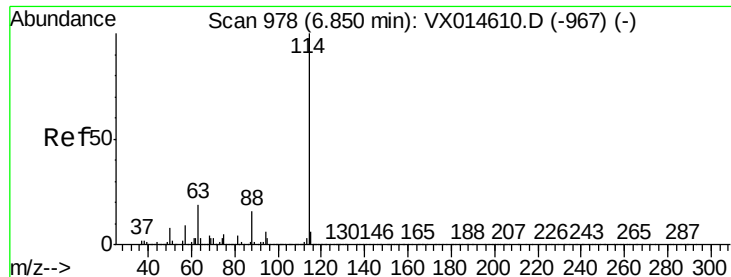
67 51.0 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

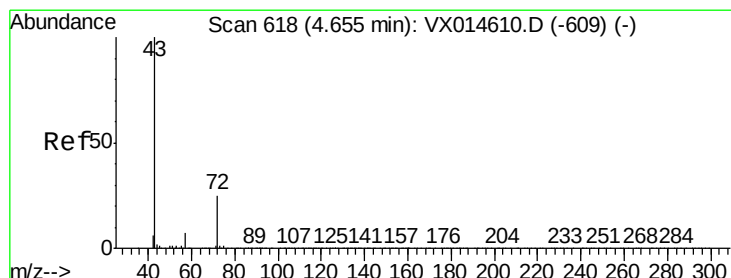
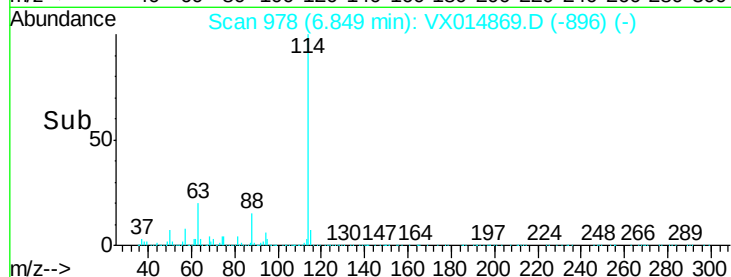
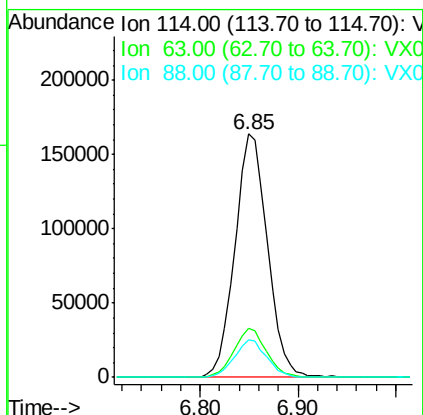
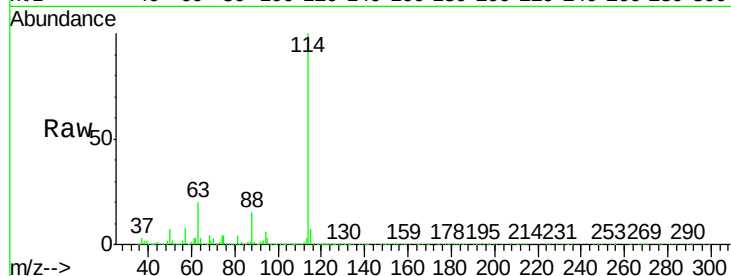




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX014869.D
Acq: 07 Feb 2020 14:28

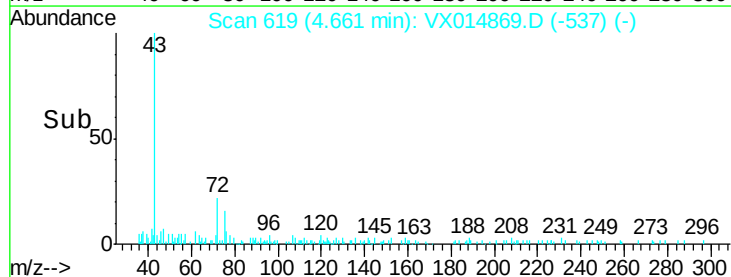
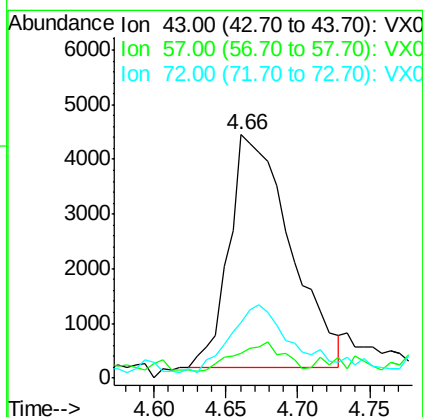
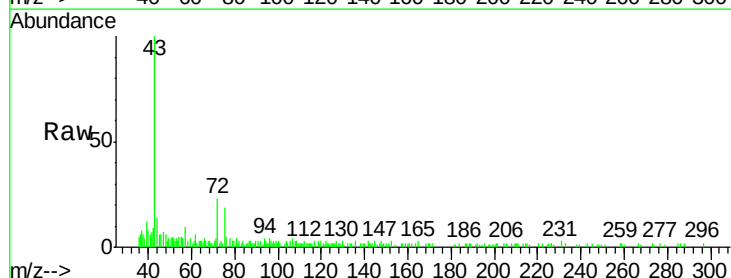
Instrument :
MSVOA_X
ClientSampleId :
TW-1

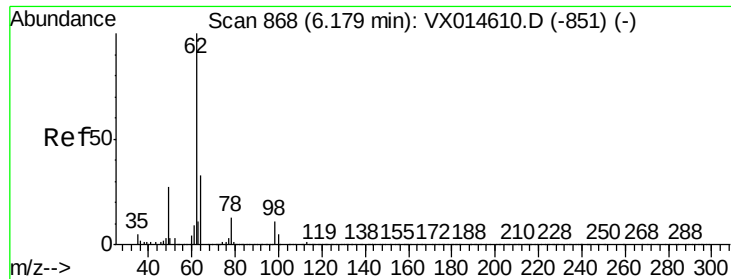
Tot Ion:	114	Resp:	378051
Ion	Ratio	Lower	Upper
114	100		
63	19.8	16.1	24.1
88	15.3	12.5	18.7



#30
2-Butanone
Concen: 3.608 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.00 min
Lab File: VX014869.D
Acq: 07 Feb 2020 14:28

Tgt Ion:	43	Resp:	12672
Ion	Ratio	Lower	Upper
43	100		
57	9.2	6.2	9.2
72	25.3	20.3	30.5

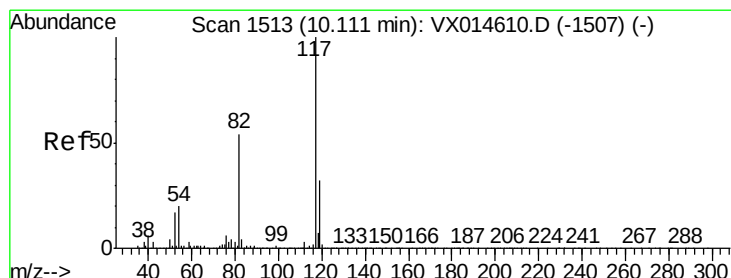
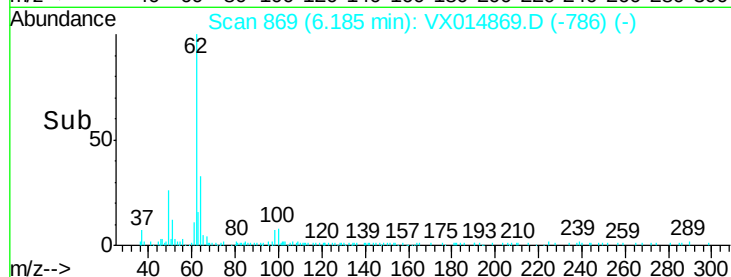
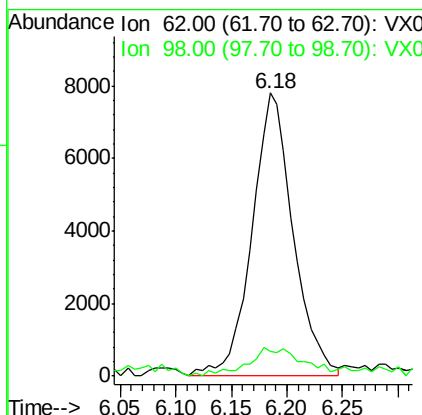
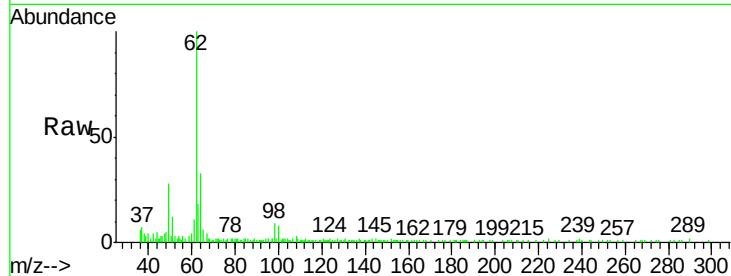




#36
 1,2-Dichloroethane
 Concen: 3.380 ug/l
 RT: 6.18 min Scan# 869
 Delta R.T. 0.01 min
 Lab File: VX014869.D
 Acq: 07 Feb 2020 14:28

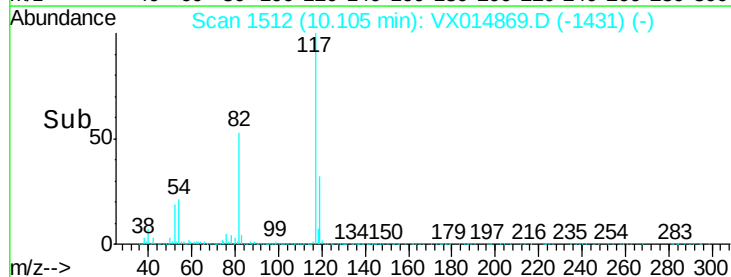
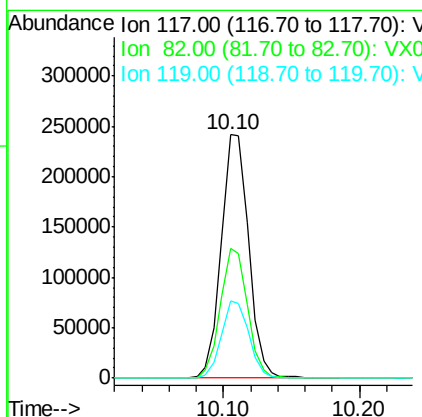
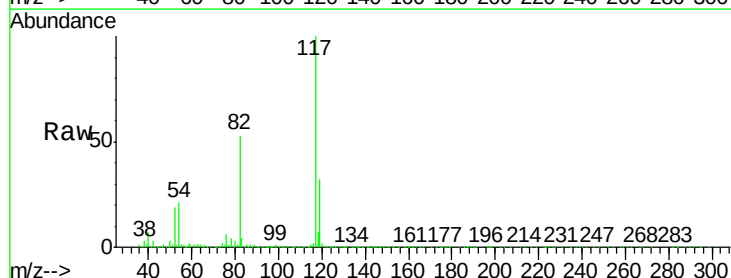
Instrument :
 MSVOA_X
 ClientSampleId :
 TW-1

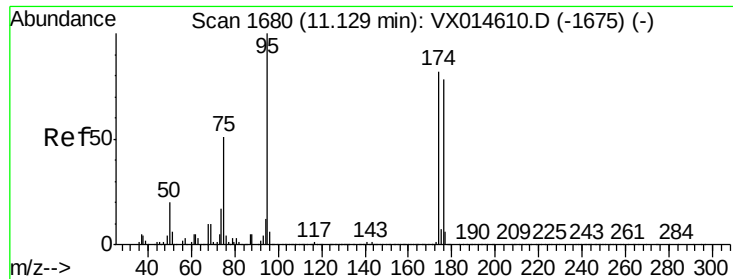
Tot Ion: 62 Resp: 20155
 Ion Ratio Lower Upper
 62 100
 98 4.3 8.4 12.6#



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 10.10 min Scan# 1512
 Delta R.T. -0.01 min
 Lab File: VX014869.D
 Acq: 07 Feb 2020 14:28

Tgt Ion: 117 Resp: 339014
 Ion Ratio Lower Upper
 117 100
 82 52.5 43.8 65.6
 119 31.6 25.8 38.6

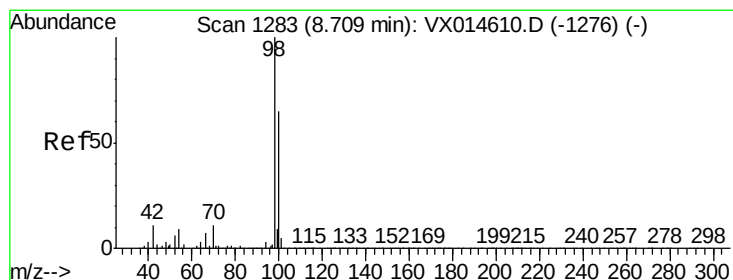
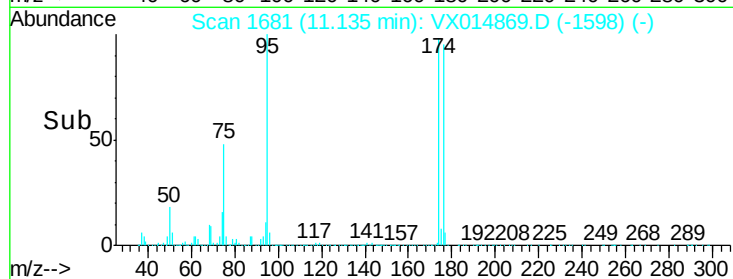
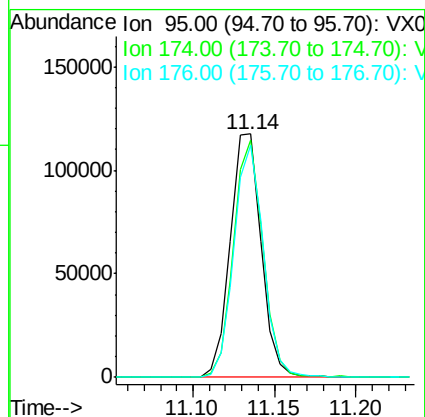
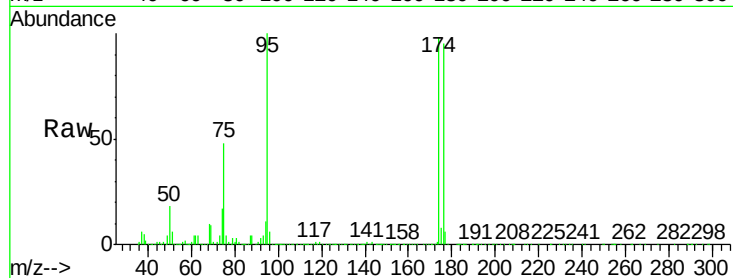




#60
4-Bromofluorobenzene
Concen: 28.603 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX014869.D
Acq: 07 Feb 2020 14:28

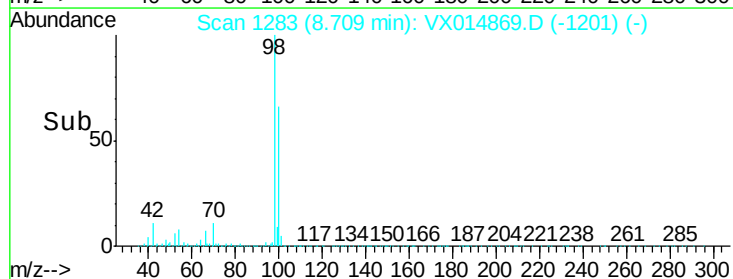
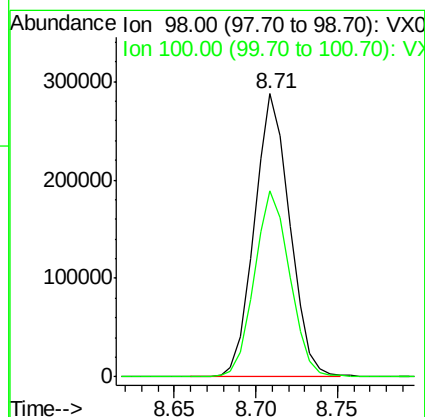
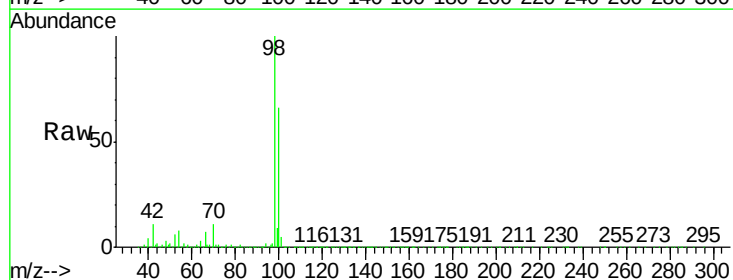
Instrument :
MSVOA_X
ClientSampled :
TW-1

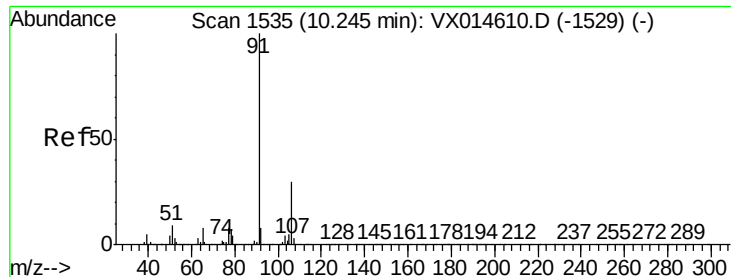
Tot Ion: 95 Resp: 155169
Ion Ratio Lower Upper
95 100
174 92.7 70.2 105.2
176 90.1 68.3 102.5



#63
Toluene-d8
Concen: 28.368 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014869.D
Acq: 07 Feb 2020 14:28

Tgt Ion: 98 Resp: 434401
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.2





#66

Ethyl Benzene

Concen: 0.530 ug/l

RT: 10.25 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VX014869.D

Acq: 07 Feb 2020 14:28

Instrument :

MSVOA_X

ClientSampleId :

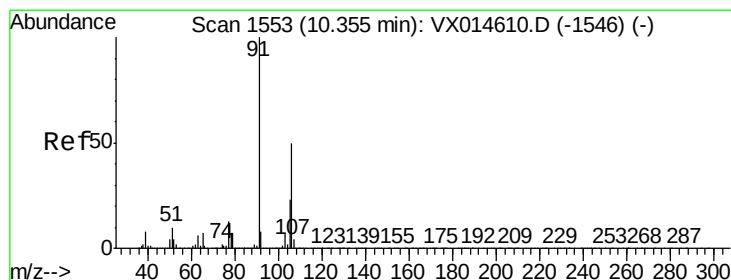
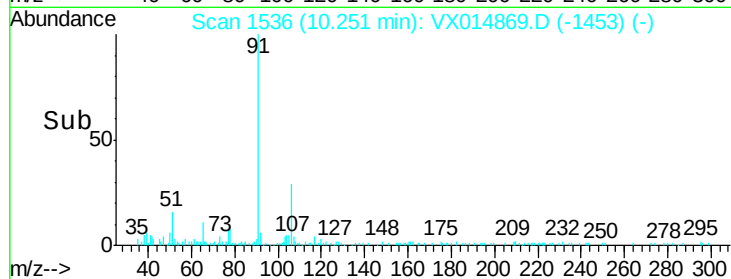
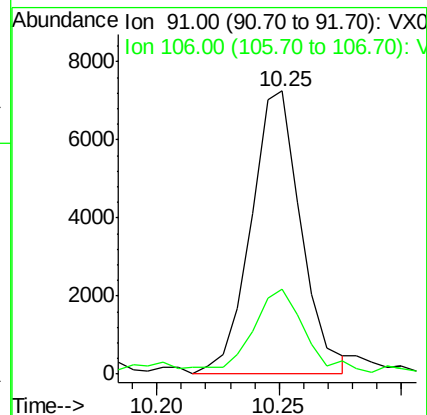
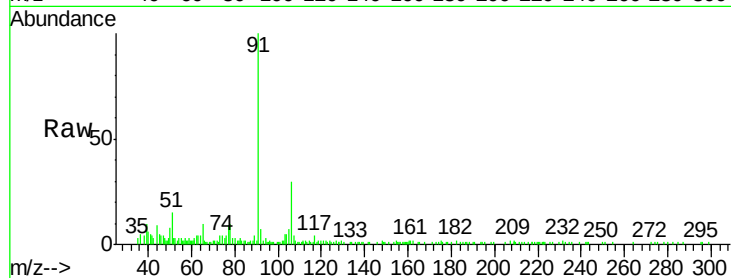
TW-1

Tot Ion: 91 Resp: 10376

Ion Ratio Lower Upper

91 100

106 27.4 24.2 36.2



#67

m/p-Xylenes

Concen: 2.902 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014869.D

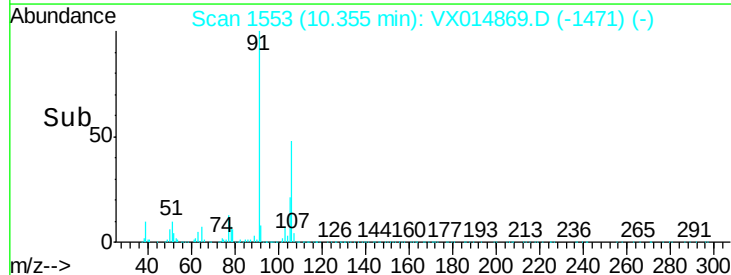
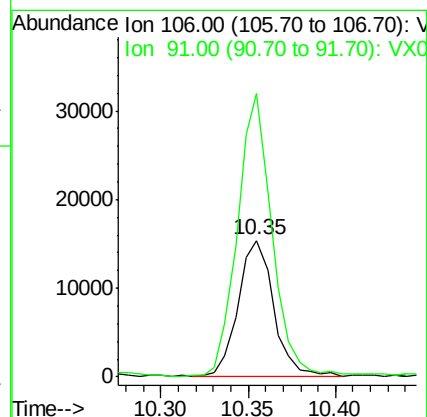
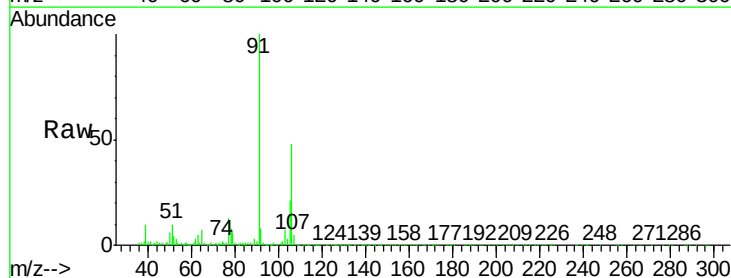
Acq: 07 Feb 2020 14:28

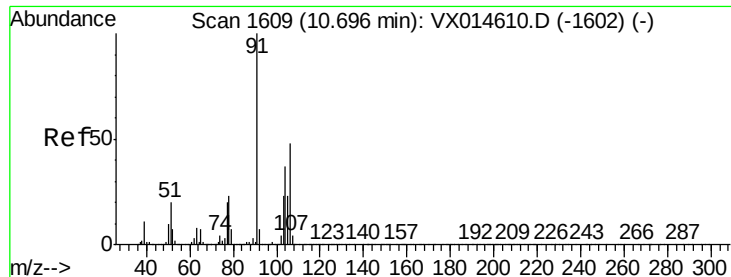
Tgt Ion: 106 Resp: 21774

Ion Ratio Lower Upper

106 100

91 198.3 159.3 238.9

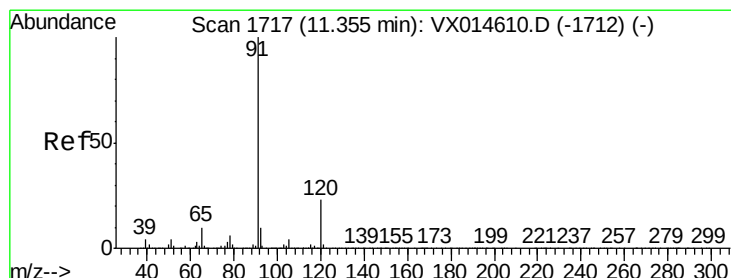
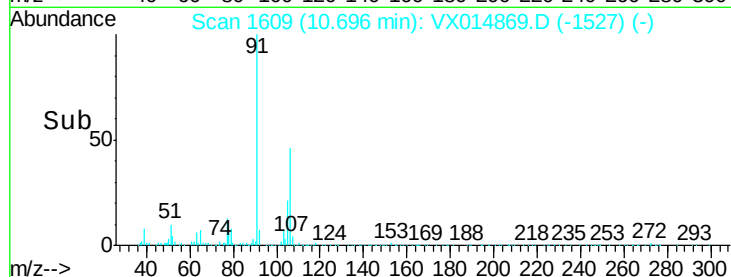
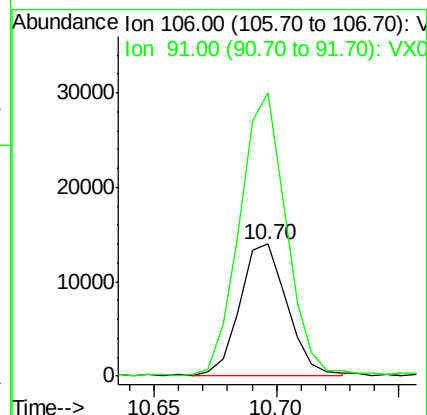
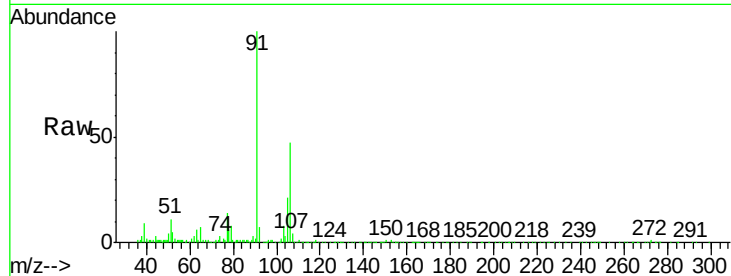




#68
o-Xylene
Concen: 2.592 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014869.D
Acq: 07 Feb 2020 14:28

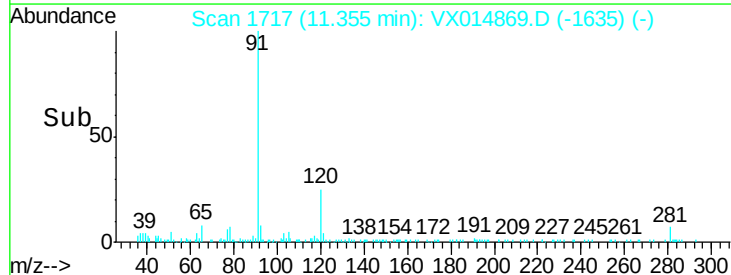
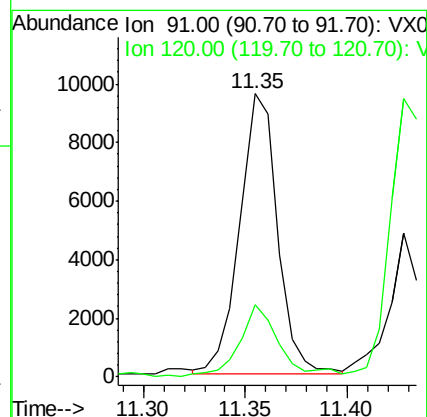
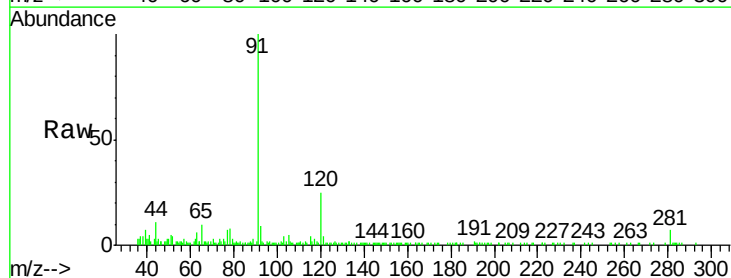
Instrument :
MSVOA_X
ClientSampleId :
TW-1

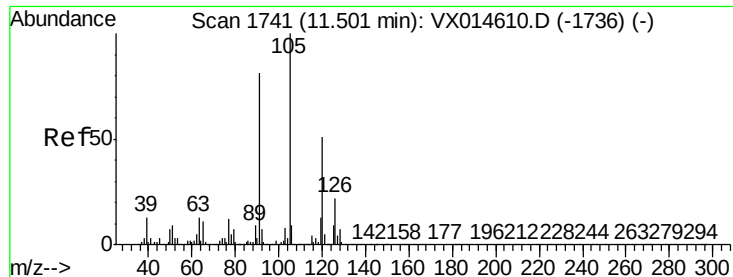
Tot Ion:106 Resp: 18944
Ion Ratio Lower Upper
106 100
91 207.9 104.8 314.6



#74
n-propylbenzene
Concen: 0.560 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX014869.D
Acq: 07 Feb 2020 14:28

Tgt Ion: 91 Resp: 12253
Ion Ratio Lower Upper
91 100
120 25.6 0.0 44.8





#76

1,3,5-Trimethylbenzene

Concen: 1.147 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014869.D

Acq: 07 Feb 2020 14:28

Instrument :

MSVOA_X

ClientSampleId :

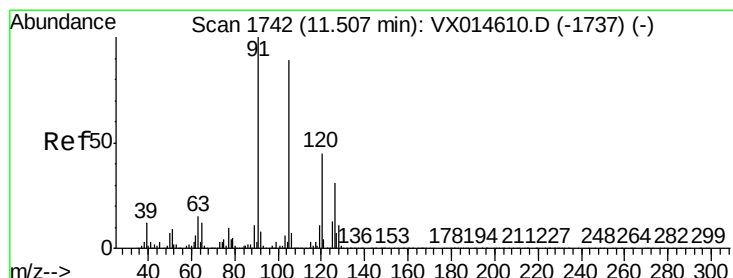
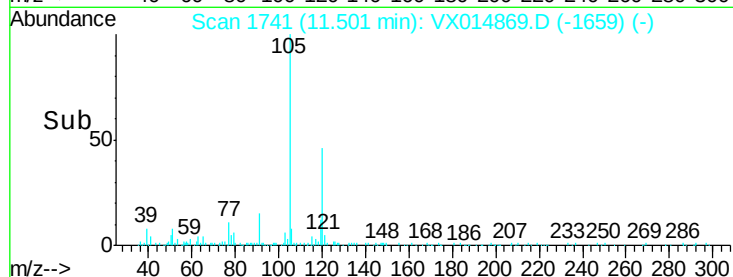
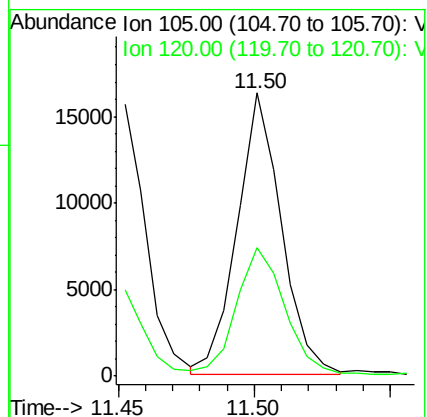
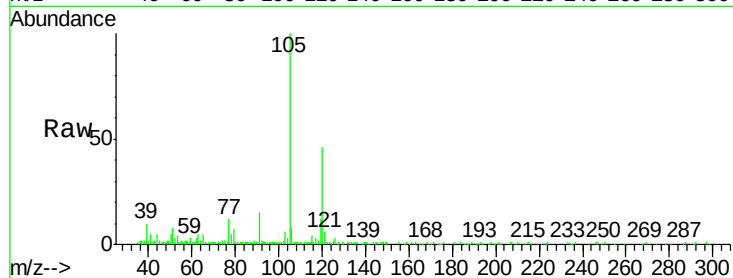
TW-1

Tot Ion:105 Resp: 18296

Ion Ratio Lower Upper

105 100

120 49.2 0.0 100.6



#78

4-Chlorotoluene

Concen: 0.303 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX014869.D

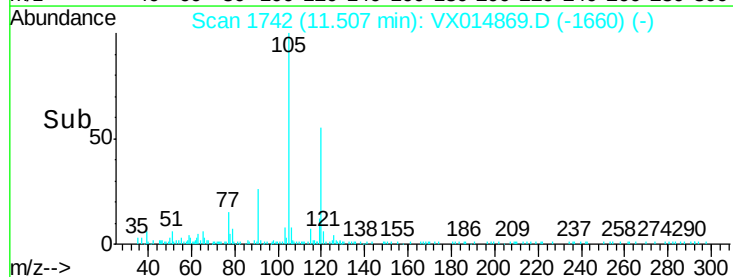
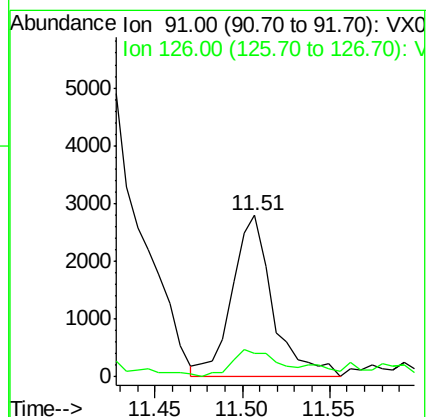
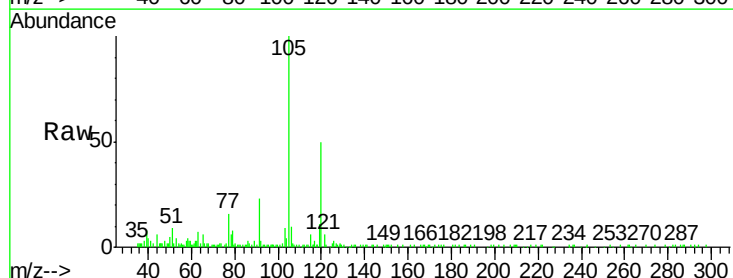
Acq: 07 Feb 2020 14:28

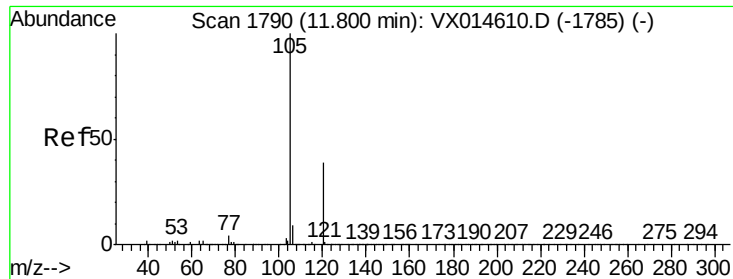
Tgt Ion: 91 Resp: 4505

Ion Ratio Lower Upper

91 100

126 18.8 0.0 59.6

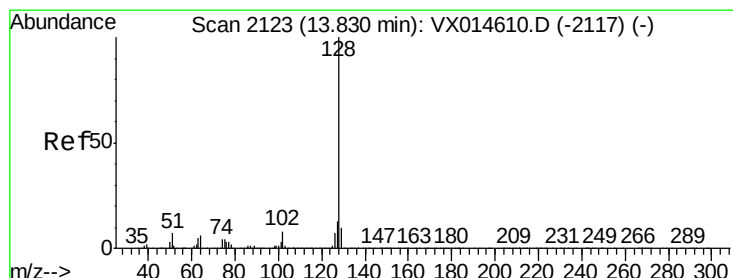
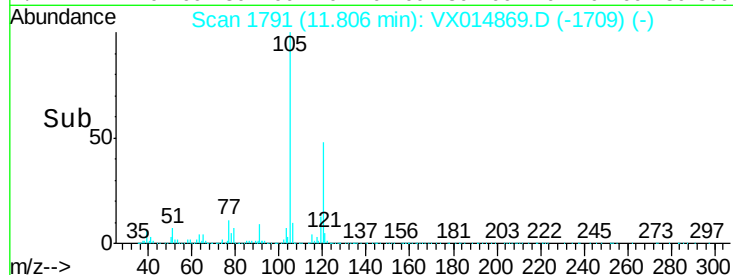
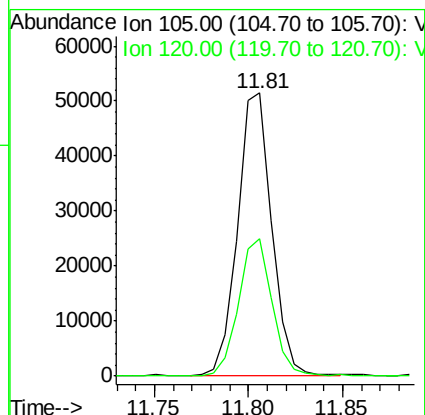
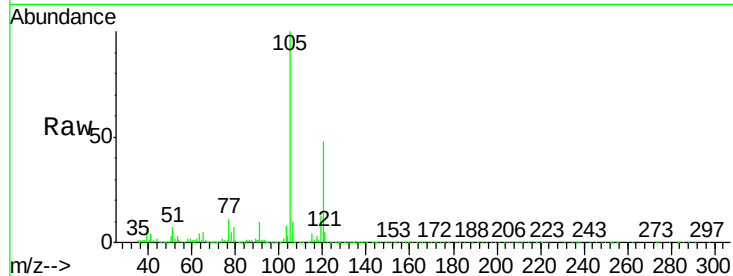




#80
 1,2,4-Trimethylbenzene
 Concen: 4.048 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX014869.D
 Acq: 07 Feb 2020 14:28

Instrument :
 MSVOA_X
 ClientSampled :
 TW-1

Tot Ion:105 Resp: 64407
 Ion Ratio Lower Upper
 105 100
 120 47.7 0.0 92.0



#91
 Naphthalene
 Concen: 0.388 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX014869.D
 Acq: 07 Feb 2020 14:28

Tgt Ion:128 Resp: 6919
 Ion Ratio Lower Upper
 128 100
 127 15.3 10.4 15.6
 129 14.1 8.9 13.3#

