

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120519\
 Data File : VX013776.D
 Acq On : 05 Dec 2019 15:02
 Operator : JC/SP
 Sample : K6174-04DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WATER-COMPD

Quant Time: Dec 06 03:09:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	681134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1013456	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	909109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	429535	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	364494	46.10	ug/l	0.00
Spiked Amount			Recovery	=	92.20%	
35) Dibromofluoromethane	5.49	113	302102	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
50) Toluene-d8	8.71	98	1213675	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
62) 4-Bromofluorobenzene	11.14	95	416701	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	

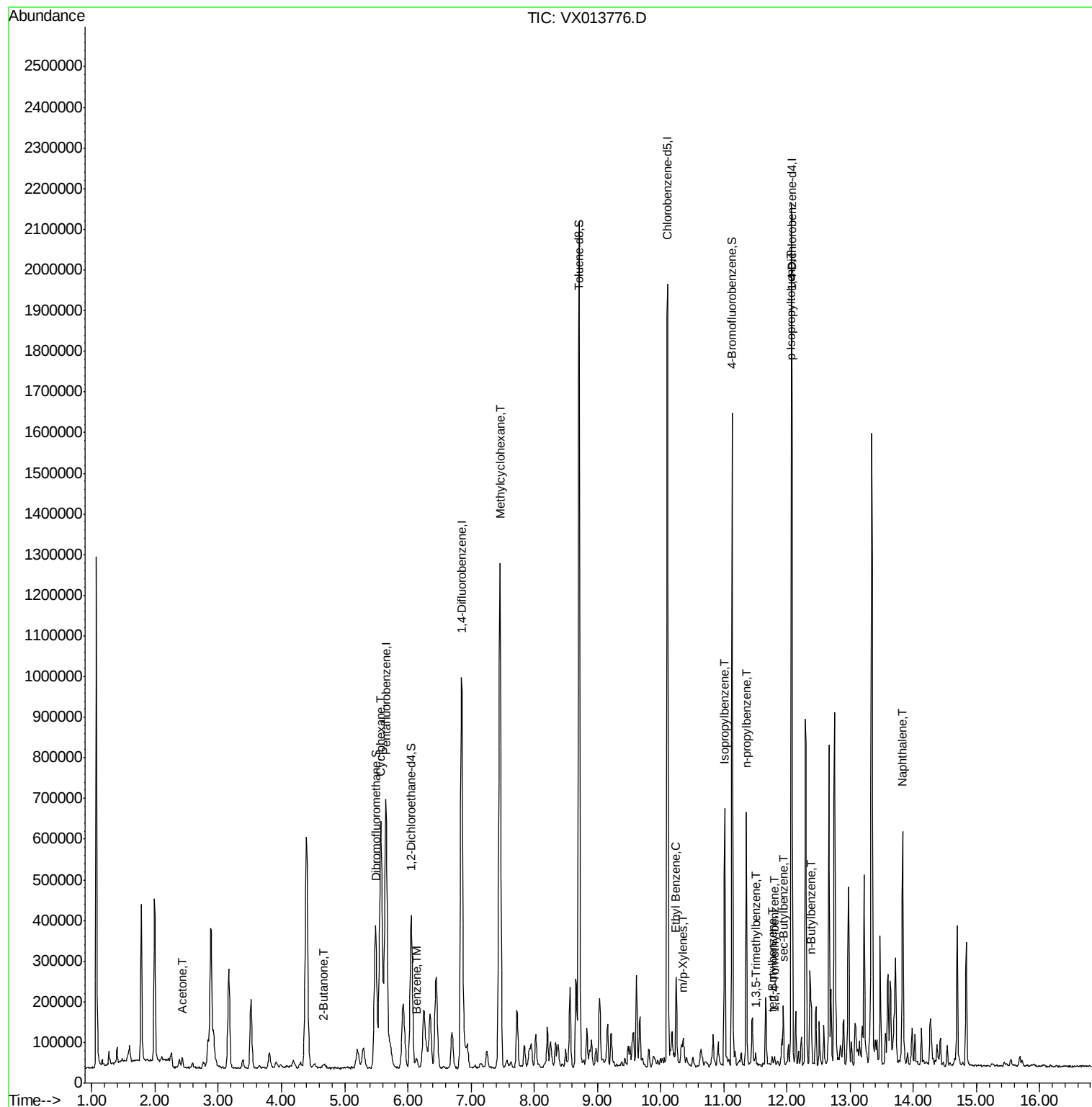
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.43	43	27184	6.964	ug/l	99
25) 2-Butanone	4.67	43	9722	1.676	ug/l #	77
31) Cyclohexane	5.58	56	439147	37.601	ug/l	100
39) Methylcyclohexane	7.46	83	567596	49.913	ug/l	99
40) Benzene	6.14	78	29304	1.046	ug/l	97
67) Ethyl Benzene	10.25	91	129460	3.991	ug/l	100
68) m/p-Xylenes	10.35	106	9535	0.768	ug/l	97
73) Isopropylbenzene	11.01	105	324740	10.778	ug/l	99
78) n-propylbenzene	11.35	91	380031	11.299	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	12073	0.489	ug/l	97
83) tert-Butylbenzene	11.76	119	8278	0.330	ug/l	83
84) 1,2,4-Trimethylbenzene	11.81	105	9675	0.386	ug/l	94
85) sec-Butylbenzene	11.94	105	78217	2.729	ug/l	81
86) p-Isopropyltoluene	12.06	119	49046	1.839	ug/l	97
89) n-Butylbenzene	12.38	91	67700	2.976	ug/l #	66
95) Naphthalene	13.83	128	339244	11.659	ug/l	98

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

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QLast Update : Tue Nov 26 15:53:00 2019
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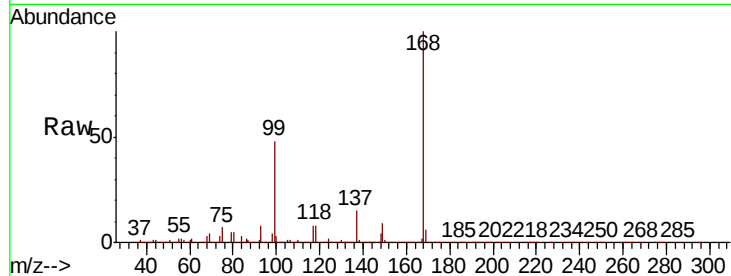


#1

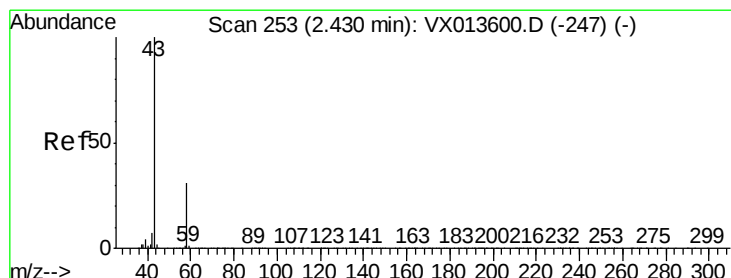
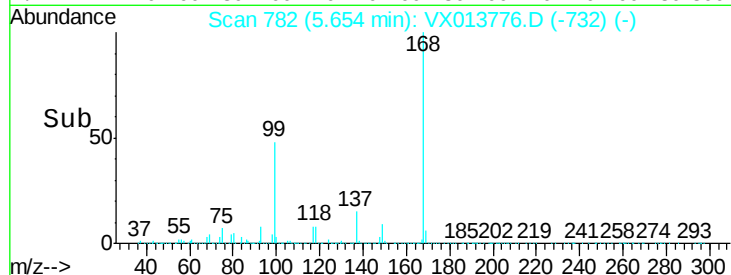
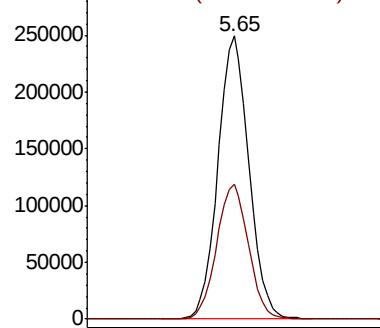
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX013776.D
 Acq: 05 Dec 2019 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 WATER-COMPD

Tot Ion:168 Resp: 681134
 Ion Ratio Lower Upper
 168 100
 99 47.6 39.8 59.8



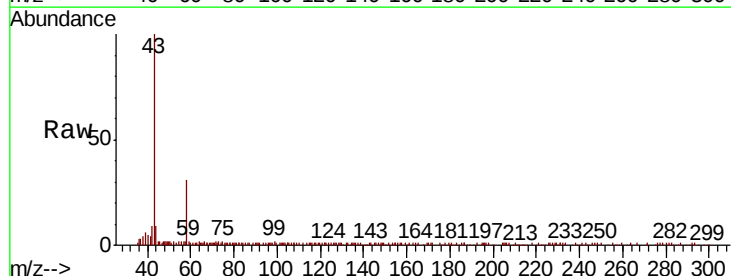
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



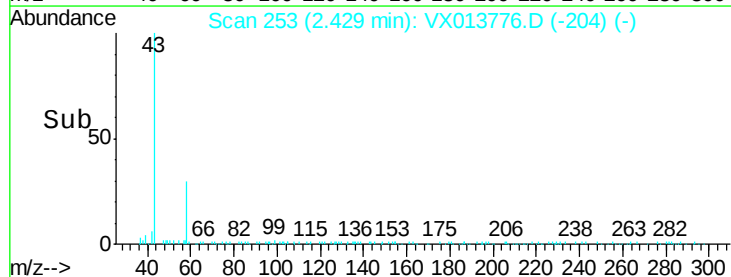
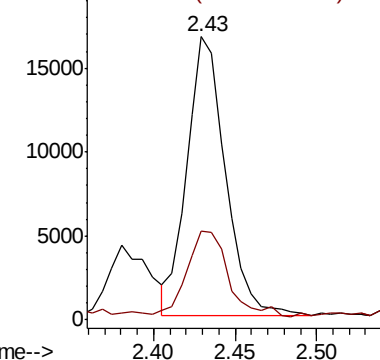
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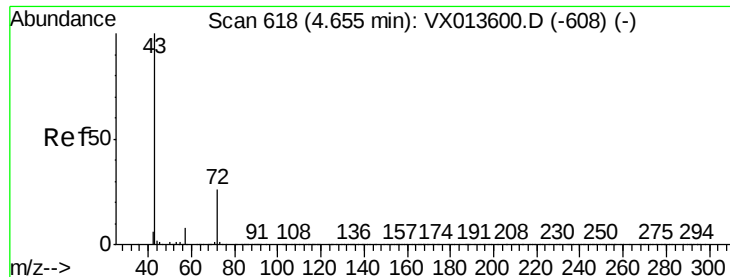
Acetone
 Concen: 6.964 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VX013776.D
 Acq: 05 Dec 2019 15:02

Tgt Ion: 43 Resp: 27184
 Ion Ratio Lower Upper
 43 100
 58 30.4 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 1.676 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX013776.D

Acq: 05 Dec 2019 15:02

Instrument :

MSVOA_X

ClientSampleId :

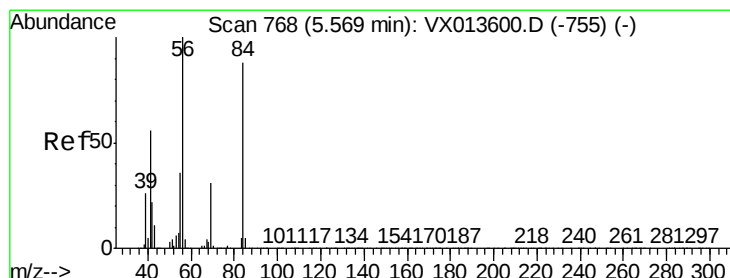
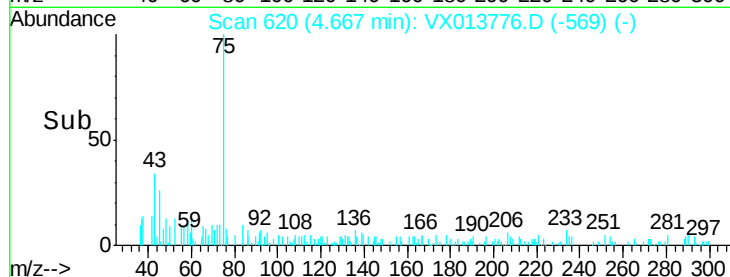
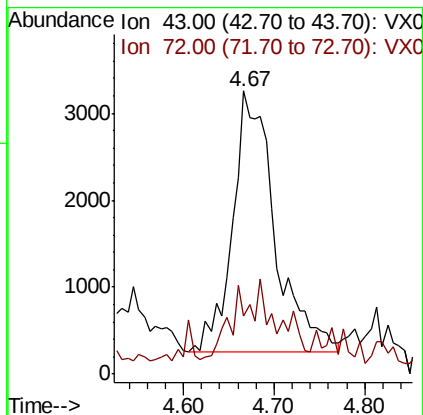
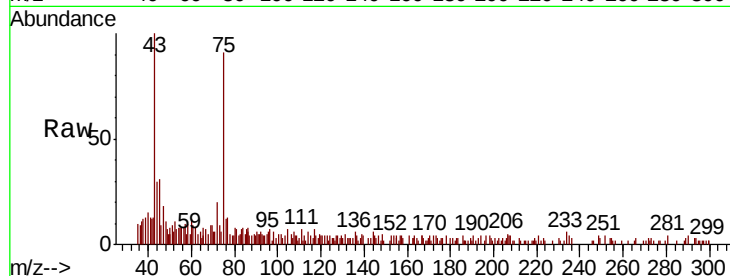
WATER-COMPDL

Tot Ion: 43 Resp: 9722

Ion Ratio Lower Upper

43 100

72 14.3 20.6 31.0#



#31

Cyclohexane

Concen: 37.601 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX013776.D

Acq: 05 Dec 2019 15:02

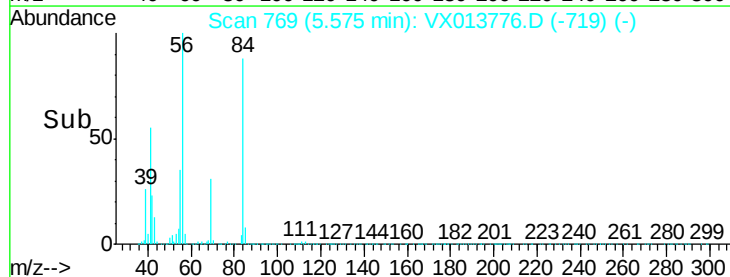
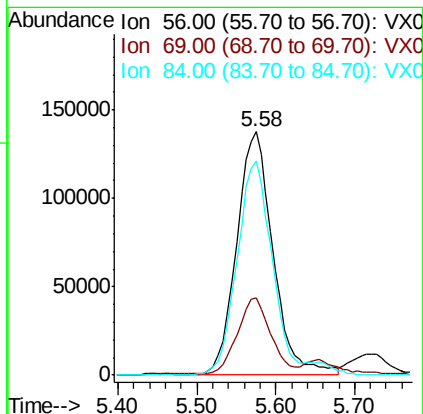
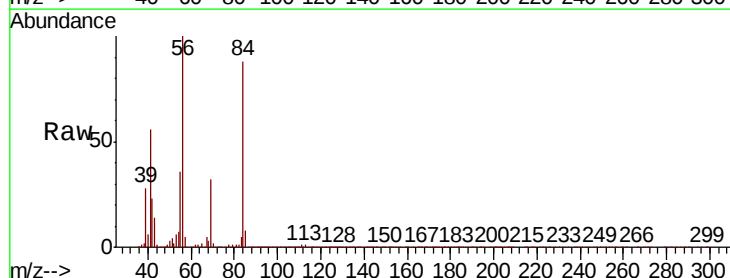
Tgt Ion: 56 Resp: 439147

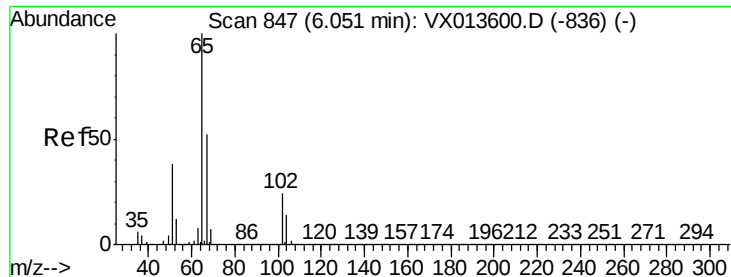
Ion Ratio Lower Upper

56 100

69 31.0 24.6 36.8

84 87.9 70.0 105.0





#33

1,2-Dichloroethane-d4

Concen: 46.101 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013776.D

Acq: 05 Dec 2019 15:02

Instrument :

MSVOA_X

ClientSampleId :

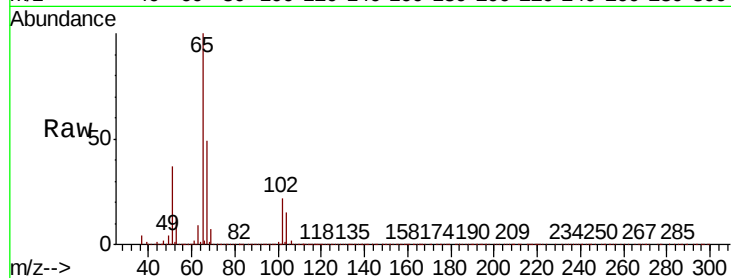
WATER-COMPD

Tot Ion: 65 Resp: 364494

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

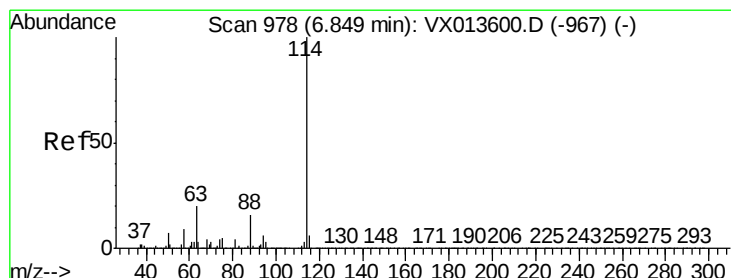
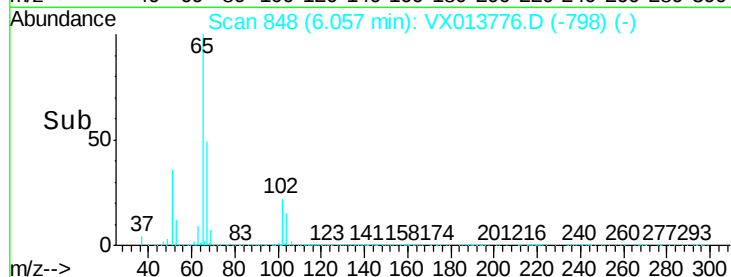
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013776.D

Acq: 05 Dec 2019 15:02

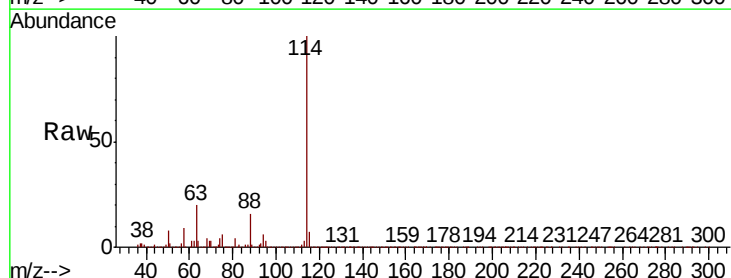
Tgt Ion: 114 Resp: 1013456

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.6

88 16.0 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

500000

400000

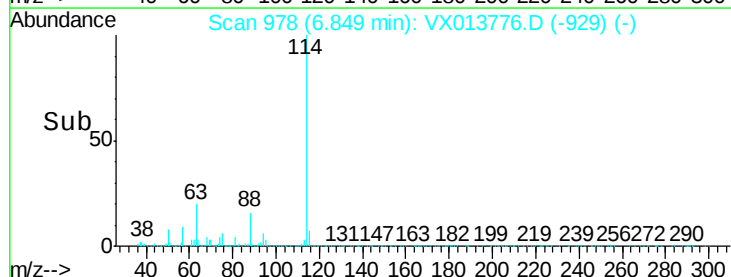
300000

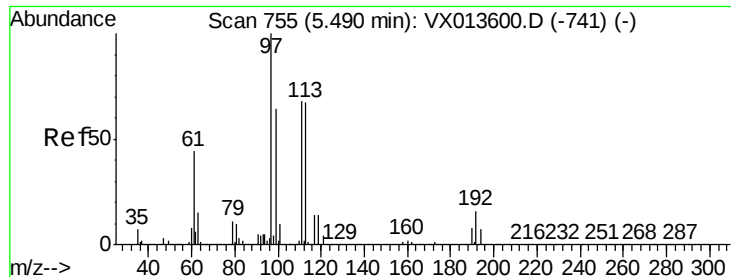
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.218 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013776.D

Acq: 05 Dec 2019 15:02

Instrument :

MSVOA_X

ClientSampleId :

WATER-COMPDL

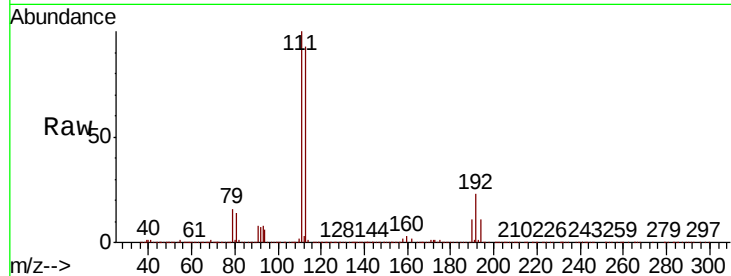
Tot Ion:113 Resp: 302102

Ion Ratio Lower Upper

113 100

111 102.1 83.6 125.4

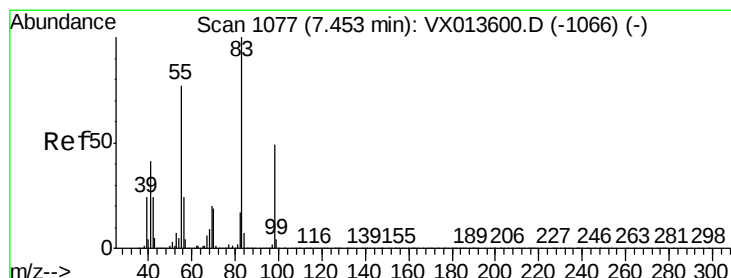
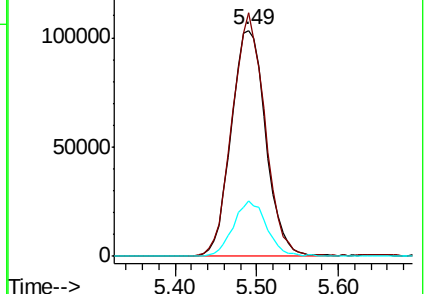
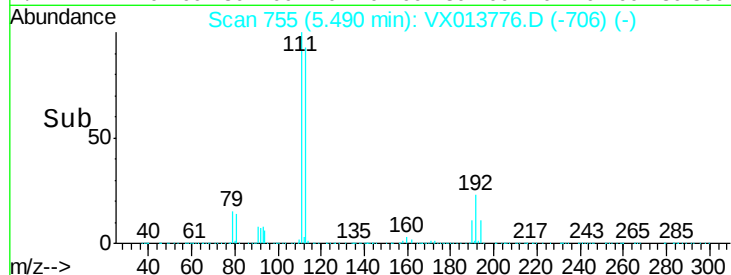
192 23.7 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#39

Methylcyclohexane

Concen: 49.913 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VX013776.D

Acq: 05 Dec 2019 15:02

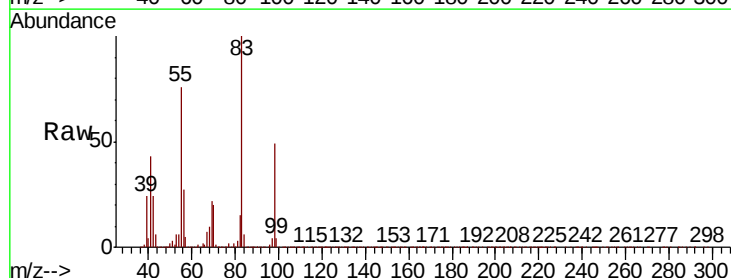
Tgt Ion: 83 Resp: 567596

Ion Ratio Lower Upper

83 100

55 76.1 61.9 92.9

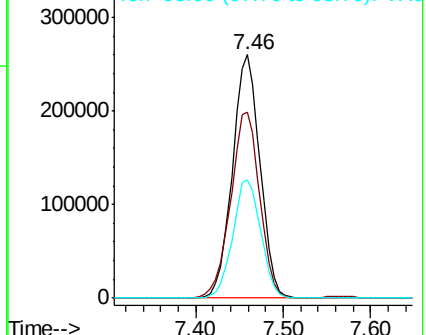
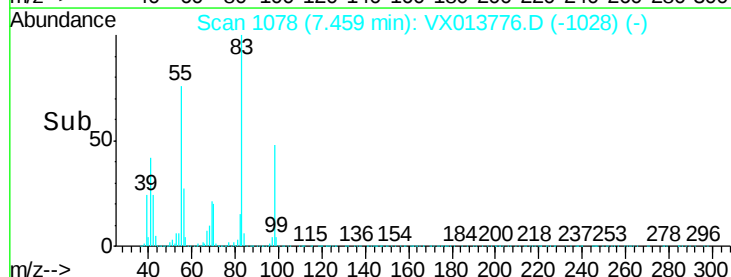
98 48.6 39.4 59.0

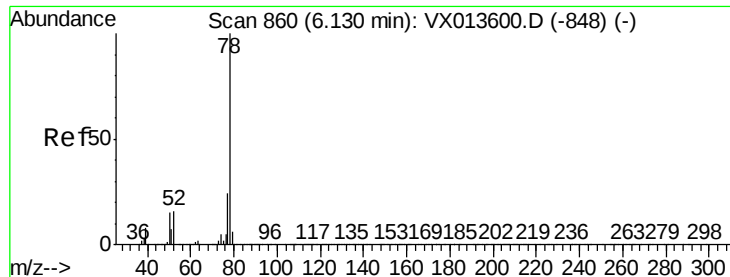


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 1.046 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX013776.D

Acq: 05 Dec 2019 15:02

Instrument :

MSVOA_X

ClientSampleId :

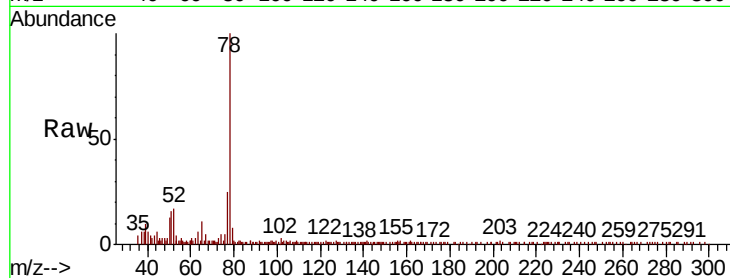
WATER-COMPD

Tot Ion: 78 Resp: 29304

Ion Ratio Lower Upper

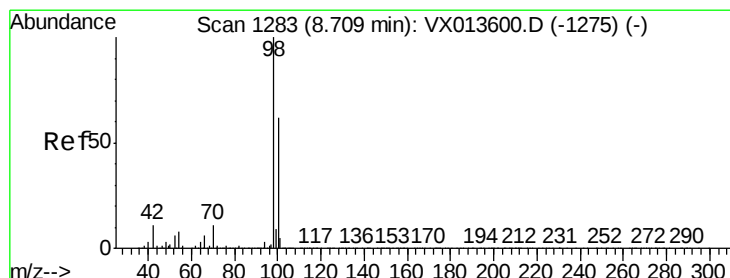
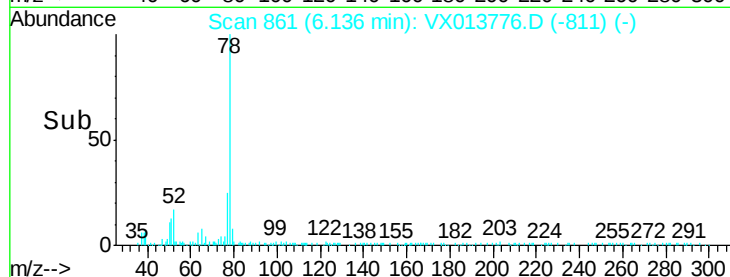
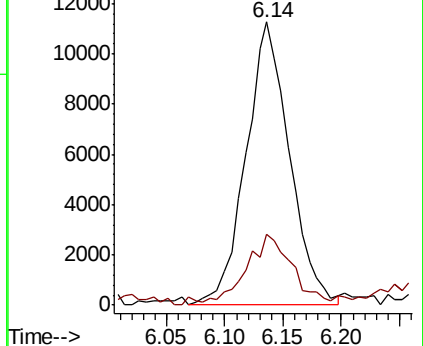
78 100

77 22.2 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 49.720 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013776.D

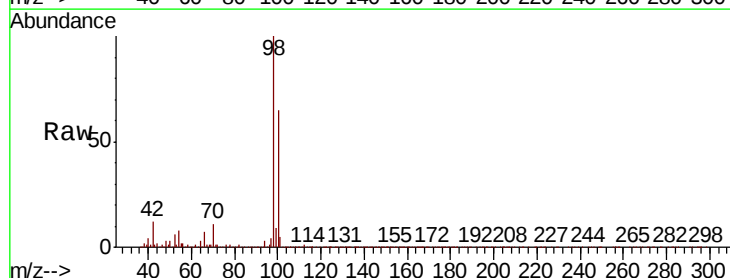
Acq: 05 Dec 2019 15:02

Tgt Ion: 98 Resp: 1213675

Ion Ratio Lower Upper

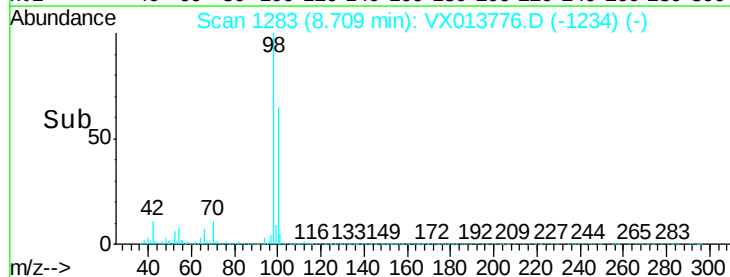
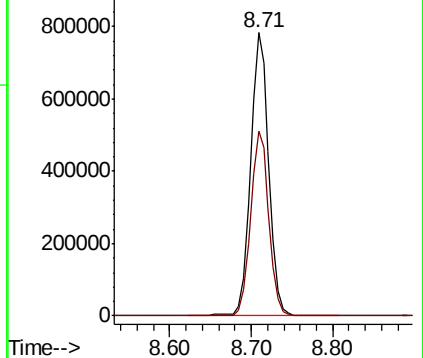
98 100

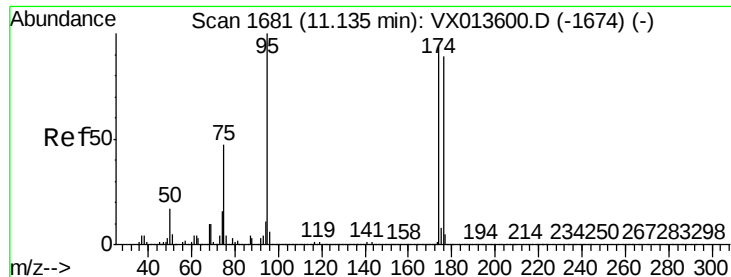
100 65.3 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

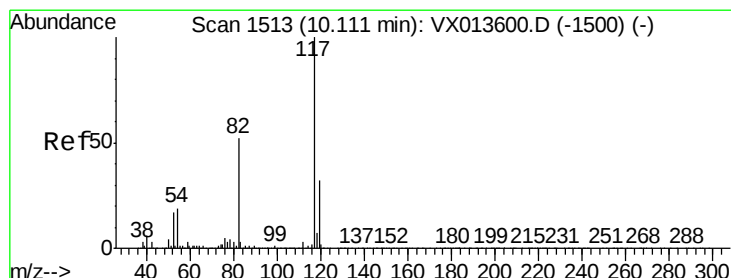
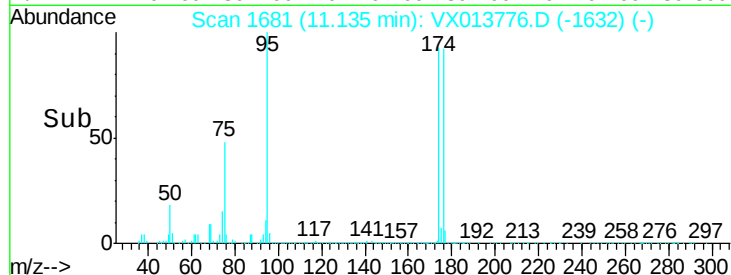
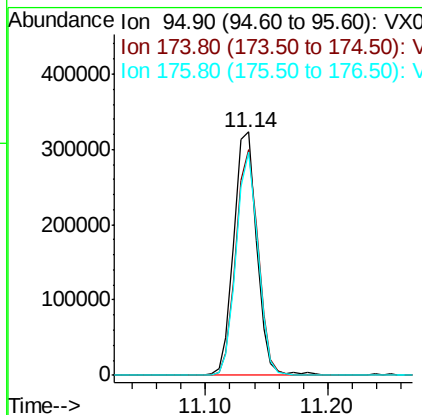
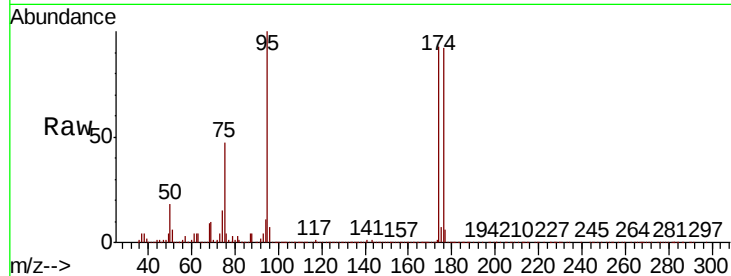




#62
4-Bromofluorobenzene
Concen: 47.339 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013776.D
Acq: 05 Dec 2019 15:02

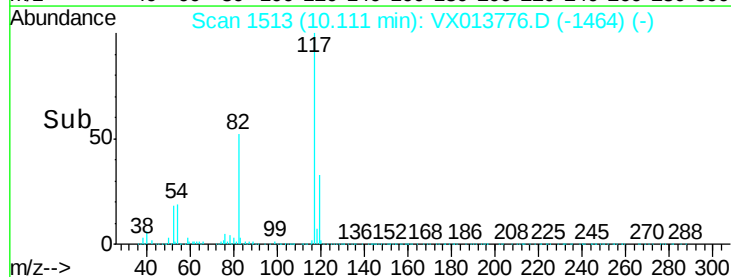
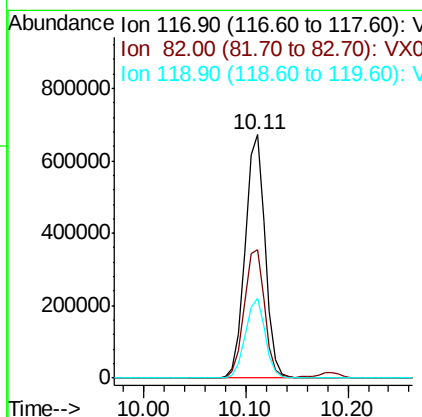
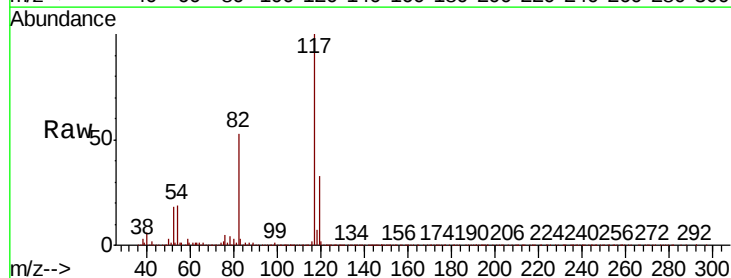
Instrument :
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ClientSampleId :
WATER-COMPD

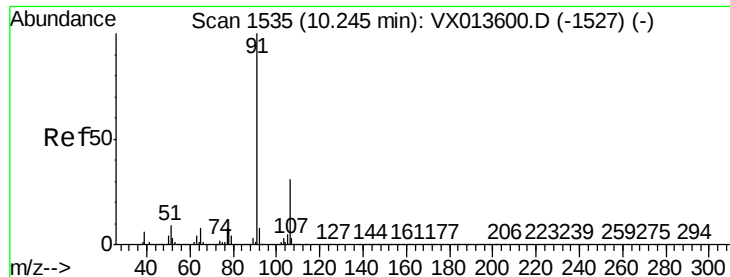
Tot Ion: 95 Resp: 416701
Ion Ratio Lower Upper
95 100
174 90.2 0.0 180.0
176 87.7 0.0 173.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013776.D
Acq: 05 Dec 2019 15:02

Tgt Ion: 117 Resp: 909109
Ion Ratio Lower Upper
117 100
82 52.5 41.8 62.8
119 32.9 25.8 38.8





#67

Ethyl Benzene

Concen: 3.991 ug/l

RT: 10.25 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VX013776.D

Acq: 05 Dec 2019 15:02

Instrument :

MSVOA_X

ClientSampleId :

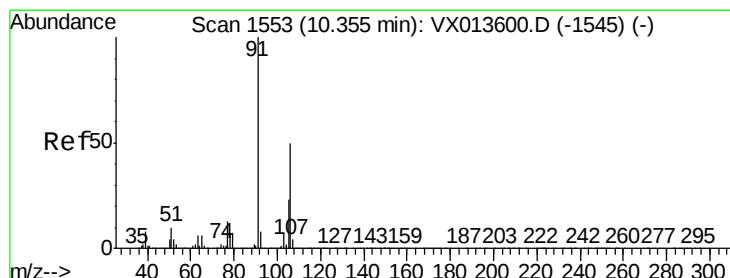
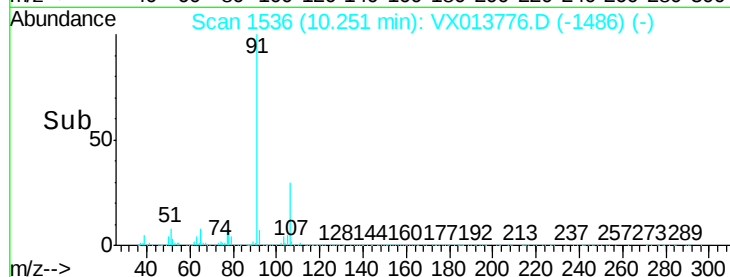
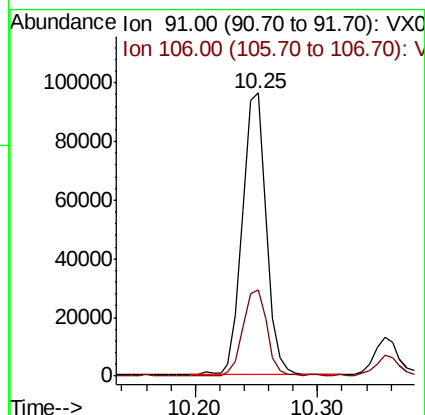
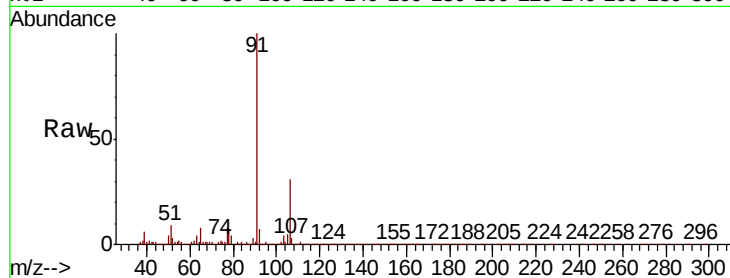
WATER-COMPD

Tot Ion: 91 Resp: 129460

Ion Ratio Lower Upper

91 100

106 30.7 24.5 36.7



#68

m/p-Xylenes

Concen: 0.768 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013776.D

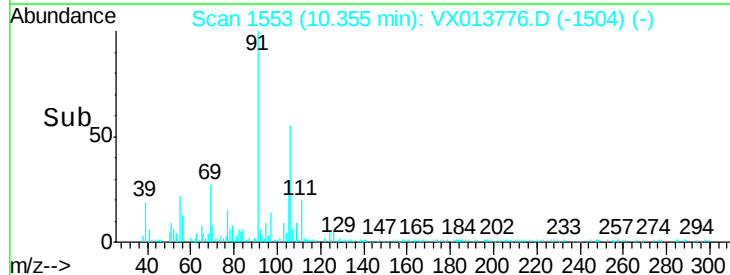
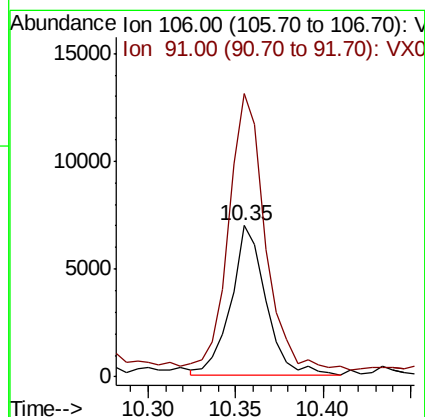
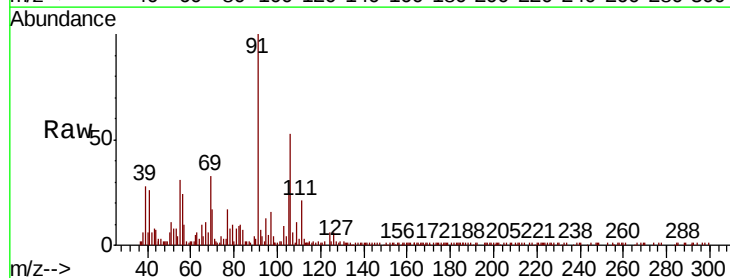
Acq: 05 Dec 2019 15:02

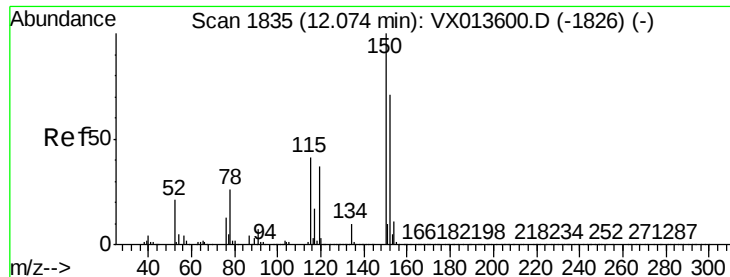
Tgt Ion: 106 Resp: 9535

Ion Ratio Lower Upper

106 100

91 194.5 159.0 238.4



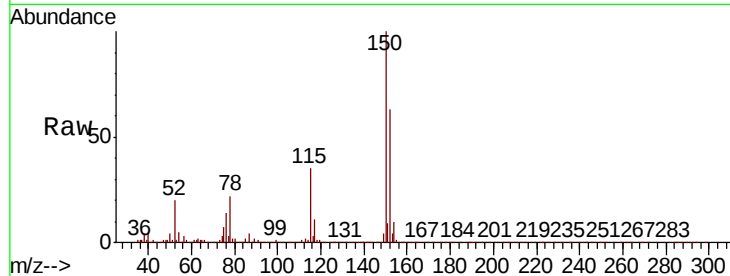


#72

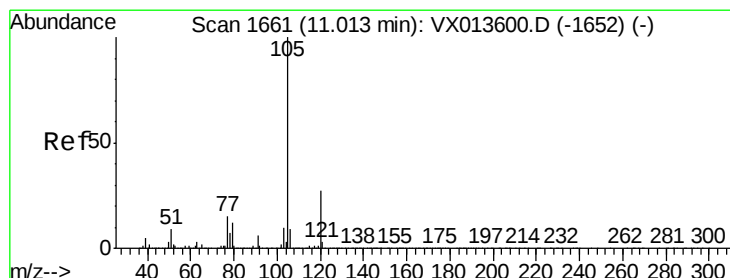
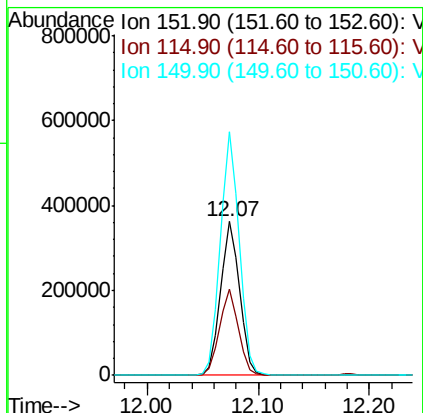
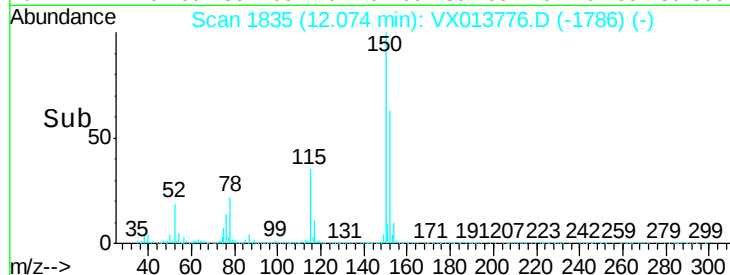
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013776.D
Acq: 05 Dec 2019 15:02

Instrument :
MSVOA_X
ClientSampleId :
WATER-COMPD

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.9	38.4	115.1
150	156.8	0.0	346.8



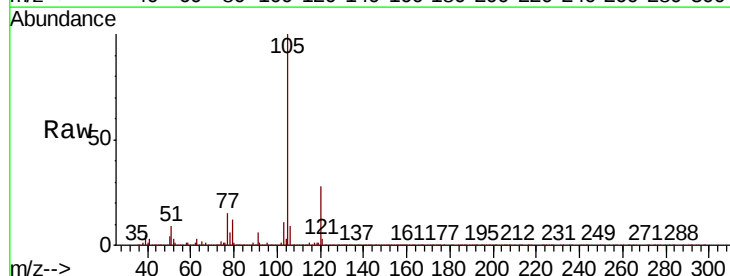
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



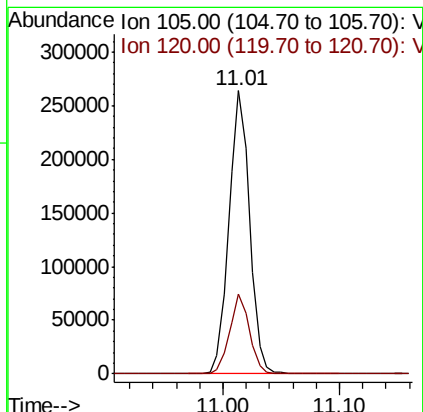
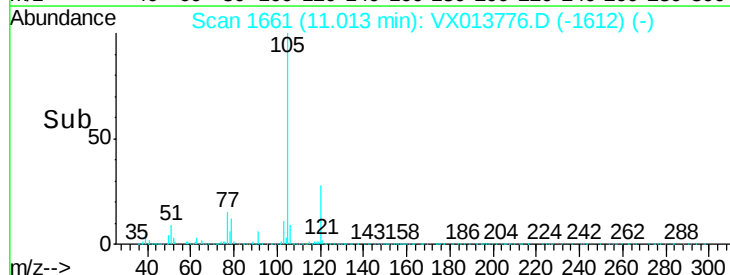
#73

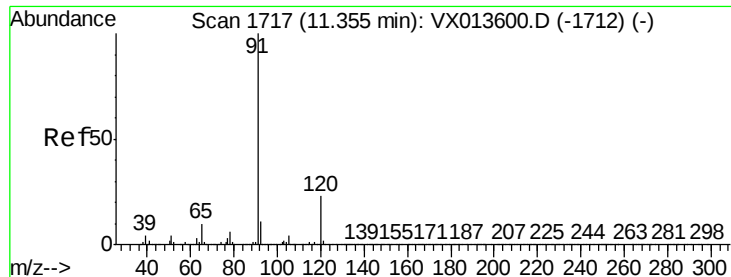
Isopropylbenzene
Concen: 10.778 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013776.D
Acq: 05 Dec 2019 15:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.5	40.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 11.299 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013776.D

Acq: 05 Dec 2019 15:02

Instrument :

MSVOA_X

ClientSampleId :

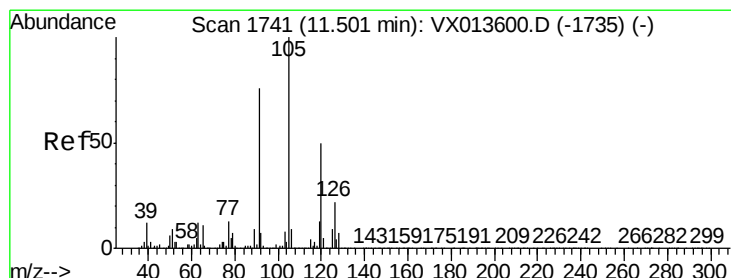
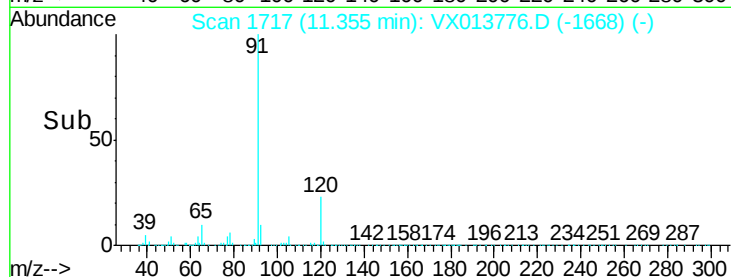
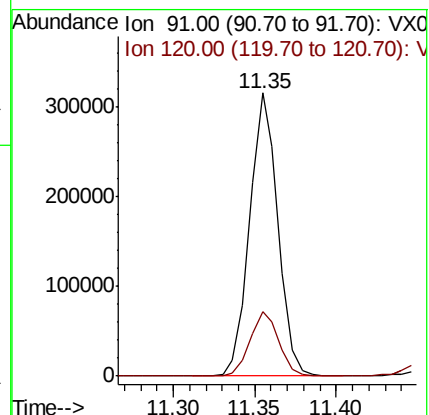
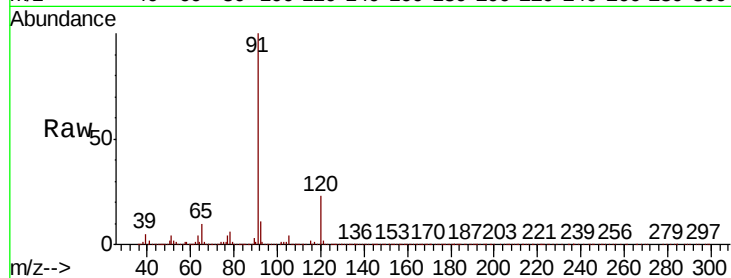
WATER-COMPD

Tot Ion: 91 Resp: 380031

Ion Ratio Lower Upper

91 100

120 23.3 11.8 35.3



#80

1,3,5-Trimethylbenzene

Concen: 0.489 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013776.D

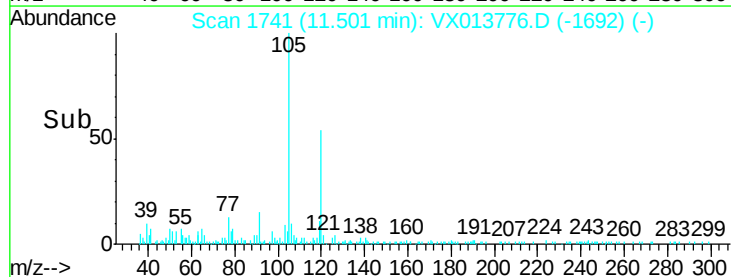
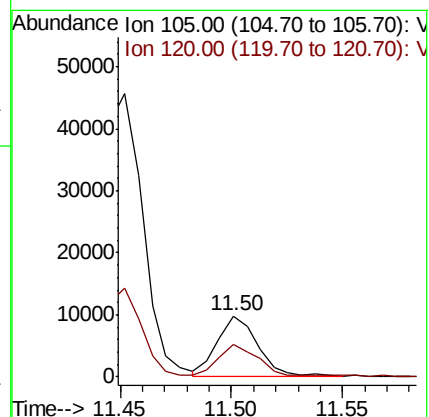
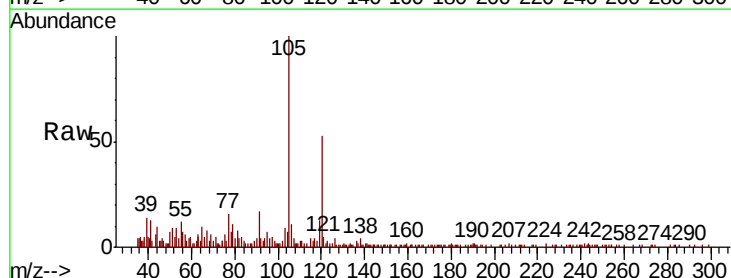
Acq: 05 Dec 2019 15:02

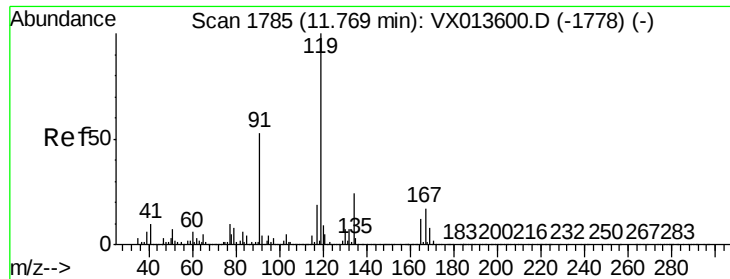
Tgt Ion: 105 Resp: 12073

Ion Ratio Lower Upper

105 100

120 48.8 25.3 75.9

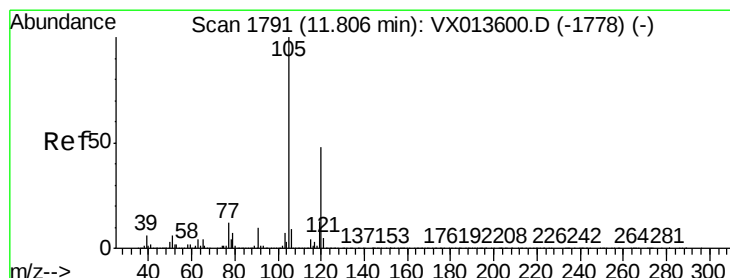
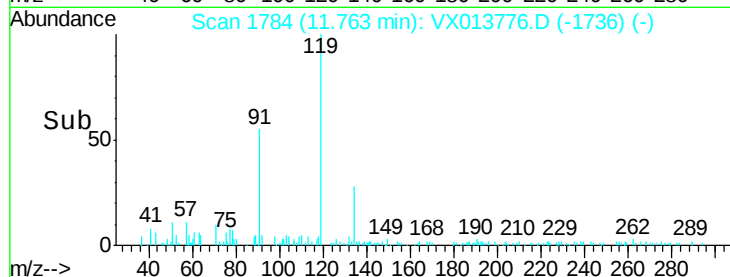
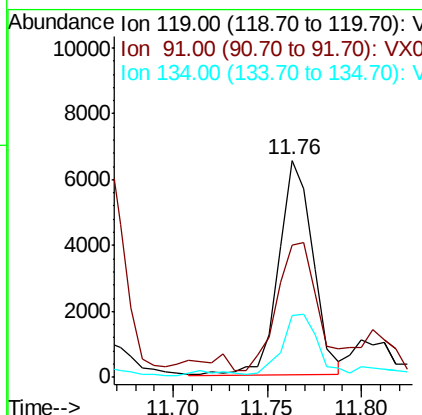
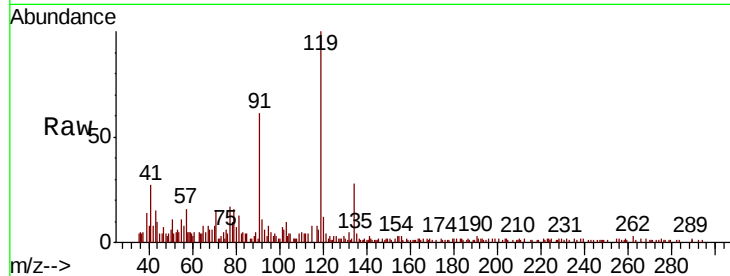




#83
tert-Butylbenzene
Concen: 0.330 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX013776.D
Acq: 05 Dec 2019 15:02

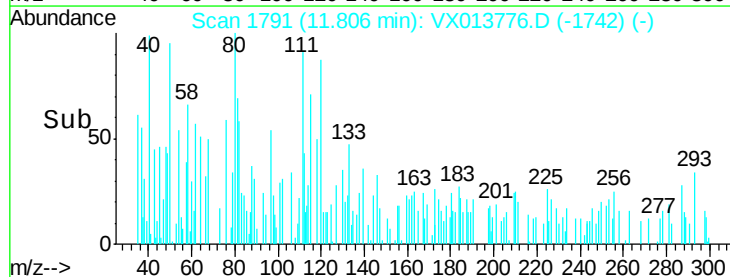
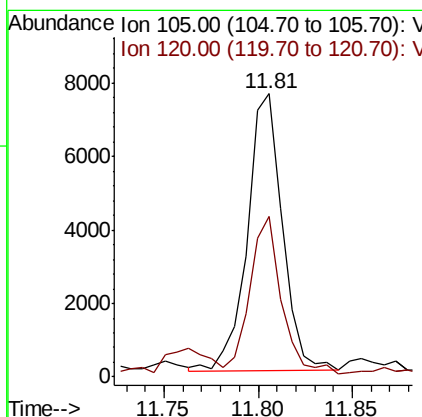
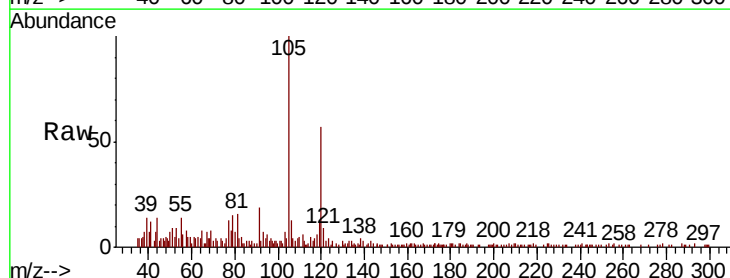
Instrument :
MSVOA_X
ClientSampled :
WATER-COMPDL

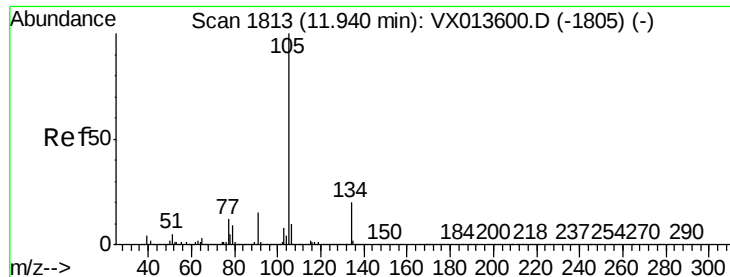
Tot Ion:119 Resp: 8278
Ion Ratio Lower Upper
119 100
91 69.1 27.2 81.6
134 27.5 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 0.386 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX013776.D
Acq: 05 Dec 2019 15:02

Tgt Ion:105 Resp: 9675
Ion Ratio Lower Upper
105 100
120 50.0 23.1 69.3

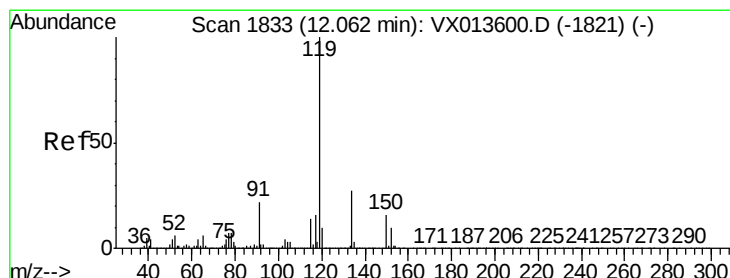
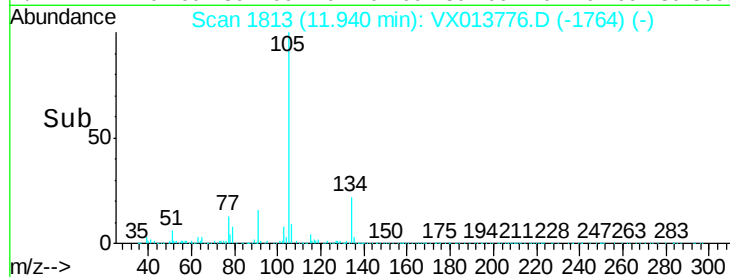
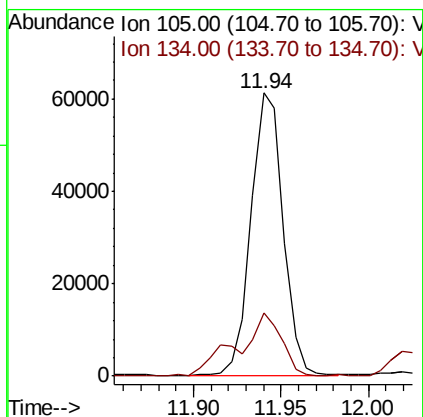
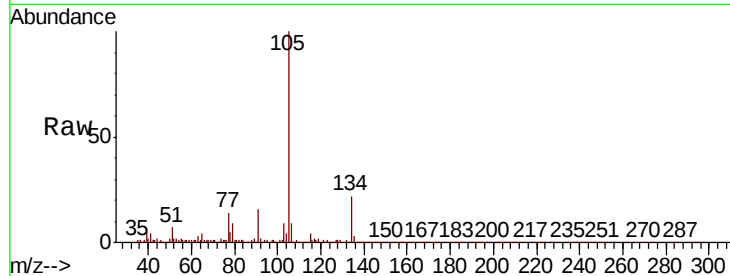




#85
 sec-Butylbenzene
 Concen: 2.729 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013776.D
 Acq: 05 Dec 2019 15:02

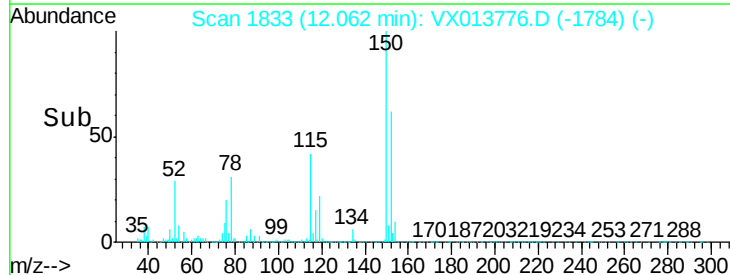
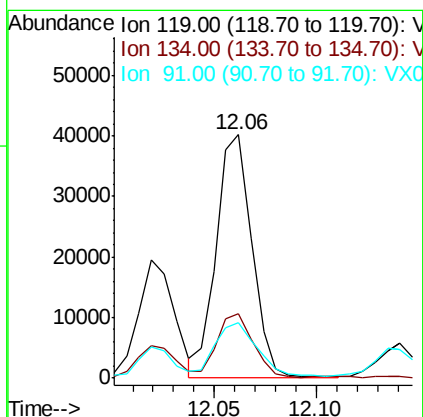
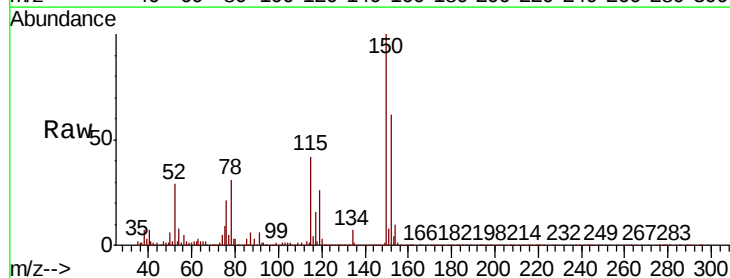
Instrument :
 MSVOA_X
 ClientSampleId :
 WATER-COMPD

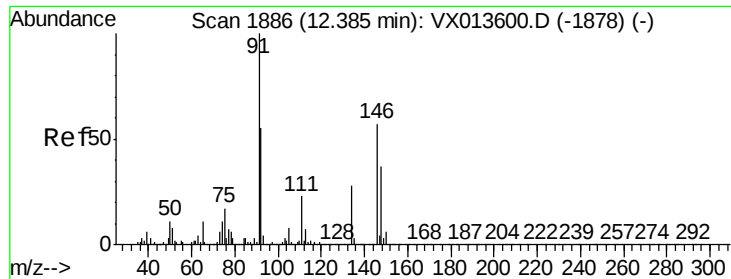
Tot Ion:105 Resp: 78217
 Ion Ratio Lower Upper
 105 100
 134 29.9 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 1.839 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX013776.D
 Acq: 05 Dec 2019 15:02

Tgt Ion:119 Resp: 49046
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.3 39.9
 91 24.9 11.3 33.8

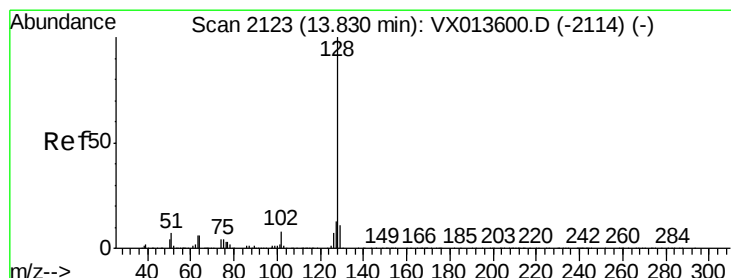
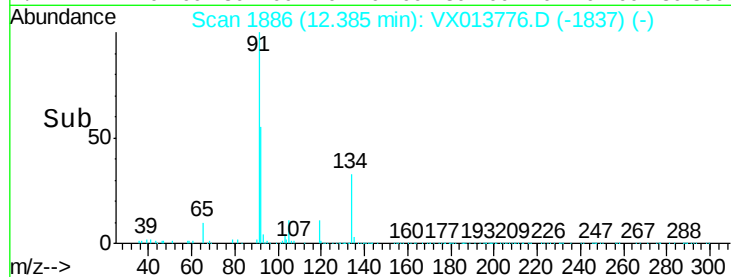
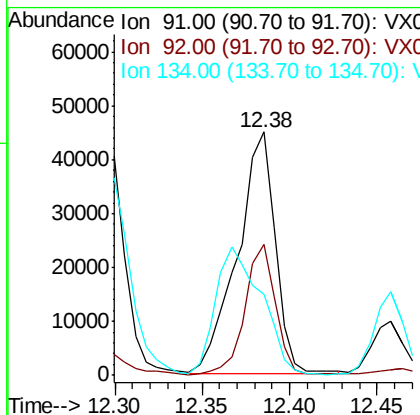
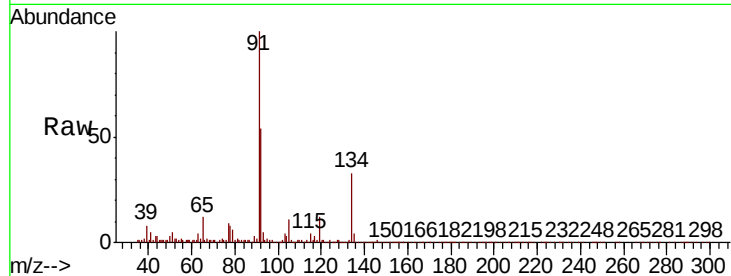




#89
n-Butylbenzene
Concen: 2.976 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013776.D
Acq: 05 Dec 2019 15:02

Instrument :
MSVOA_X
ClientSampleId :
WATER-COMPD

Tot Ion: 91 Resp: 67700
Ion Ratio Lower Upper
91 100
92 43.8 27.4 82.2
134 63.7 13.5 40.4#



#95
Naphthalene
Concen: 11.659 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013776.D
Acq: 05 Dec 2019 15:02

Tgt Ion: 128 Resp: 339244
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 12.2 8.7 13.1

