

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX033120\
 Data File : VX015450.D
 Acq On : 31 Mar 2020 13:49
 Operator : JC/SP
 Sample : L2050-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WATER-COMP

Quant Time: Apr 01 12:29:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1104762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1834685	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1755771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	932796	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	762105	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
35) Dibromofluoromethane	5.47	113	570719	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
50) Toluene-d8	8.70	98	2218989	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	
62) 4-Bromofluorobenzene	11.12	95	947333	53.99	ug/l	0.00
Spiked Amount			Recovery	=	107.98%	

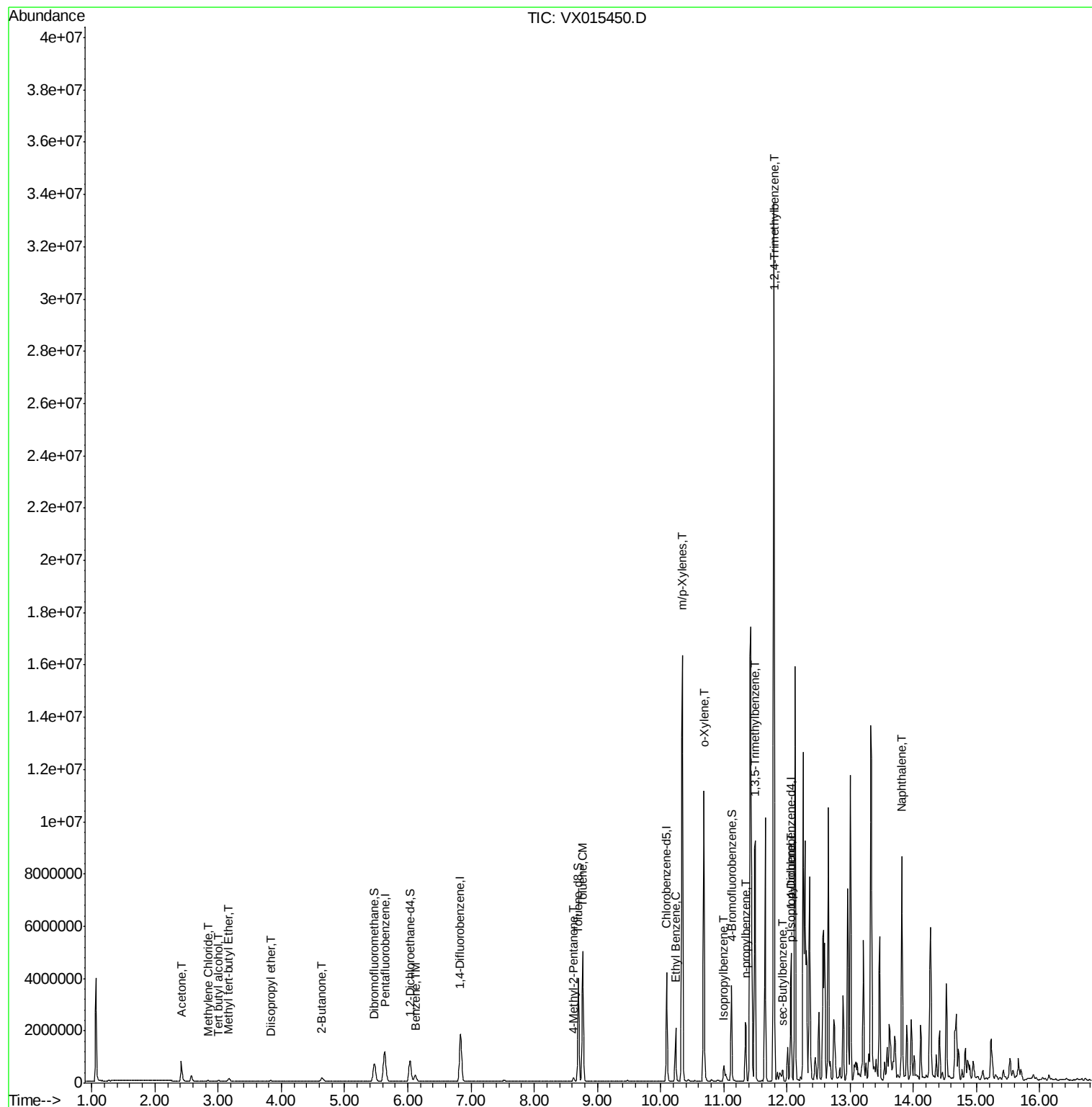
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	36215	9.710	ug/l	95
16) Acetone	2.42	43	797039	119.065	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	121750	3.010	ug/l	97
20) Methylene Chloride	2.84	84	12177	0.974	ug/l #	94
22) Diisopropyl ether	3.83	45	30136	0.698	ug/l #	70
25) 2-Butanone	4.64	43	190035	17.652	ug/l	97
40) Benzene	6.12	78	282547	5.706	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	89691	4.259	ug/l	98
52) Toluene	8.77	92	1878352	61.526	ug/l	98
67) Ethyl Benzene	10.24	91	1199658	19.317	ug/l	100
68) m/p-Xylenes	10.34	106	3645797	157.655	ug/l	97
69) o-Xylene	10.68	106	2288185	100.133	ug/l	97
73) Isopropylbenzene	11.00	105	307442	5.030	ug/l	99
78) n-propylbenzene	11.34	91	1376352	19.694	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	4032458	77.254	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	12888335	242.302	ug/l	86
85) sec-Butylbenzene	11.93	105	221173m	3.751	ug/l	
86) p-Isopropyltoluene	12.05	119	199760	3.649	ug/l	98
95) Naphthalene	13.82	128	5096273	73.952	ug/l	100

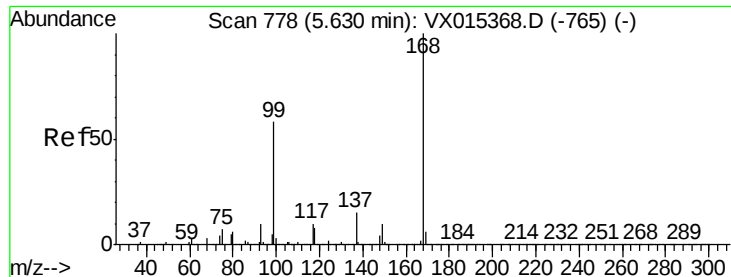
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015450.D

Acq: 31 Mar 2020 13:49

Instrument :

MSVOA_X

ClientSampleId :

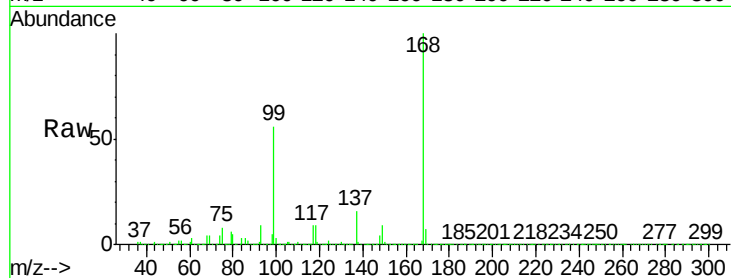
WATER-COMP

Tot Ion:168 Resp: 1104762

Ion Ratio Lower Upper

168 100

99 56.4 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

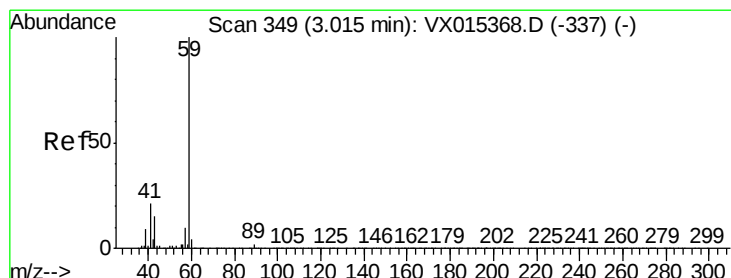
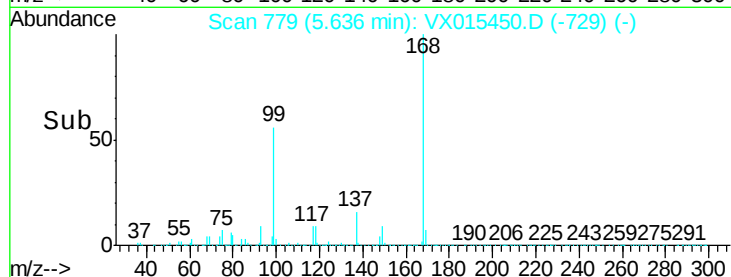
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 9.710 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.01 min

Lab File: VX015450.D

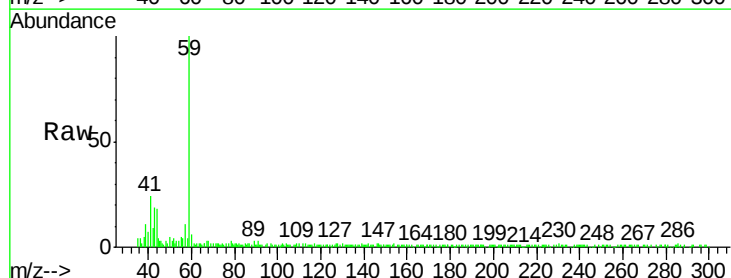
Acq: 31 Mar 2020 13:49

Tgt Ion: 59 Resp: 36215

Ion Ratio Lower Upper

59 100

57 11.9 8.1 12.1



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

20000

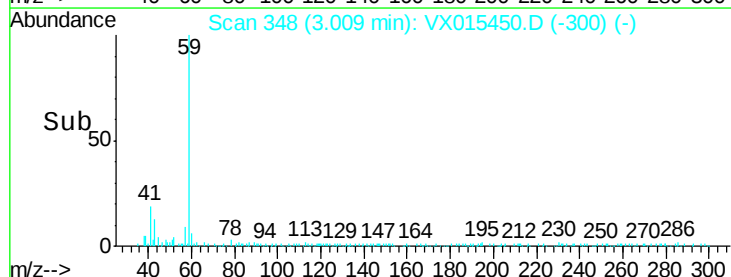
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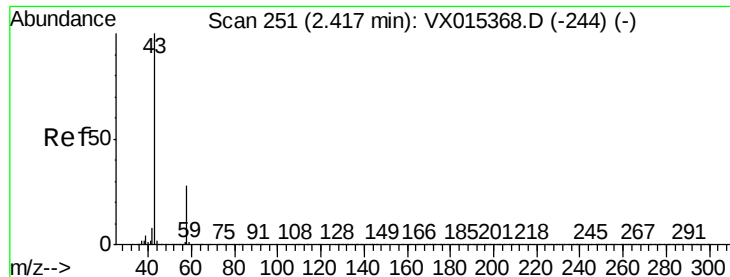
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5000

0

Time-->

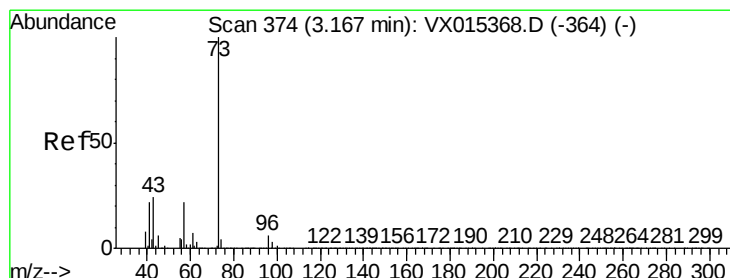
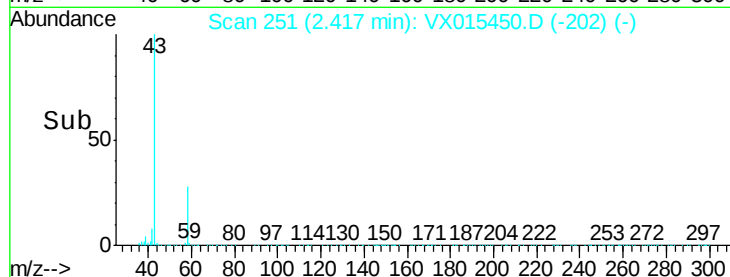
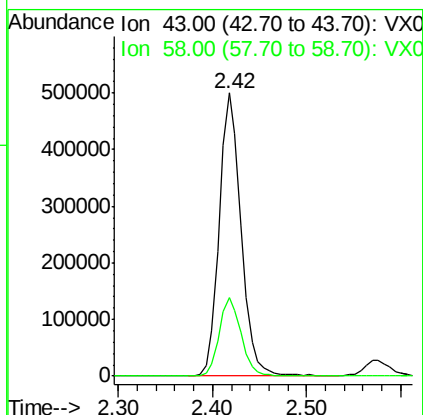
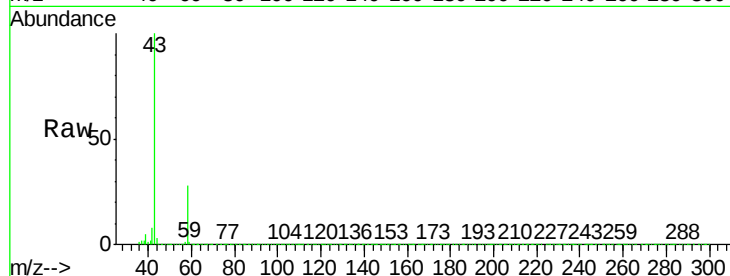




#16
Acetone
Concen: 119.065 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015450.D
Acq: 31 Mar 2020 13:49

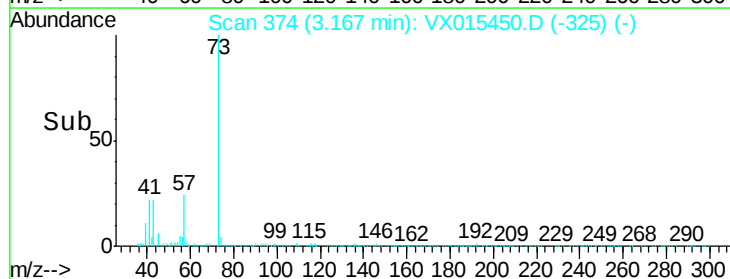
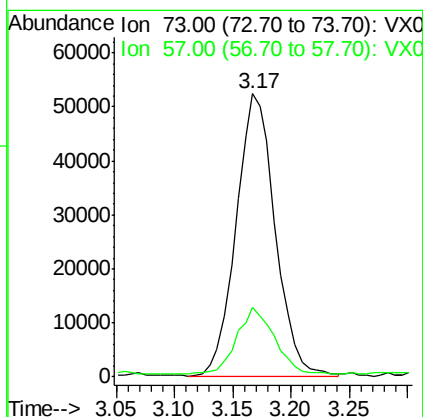
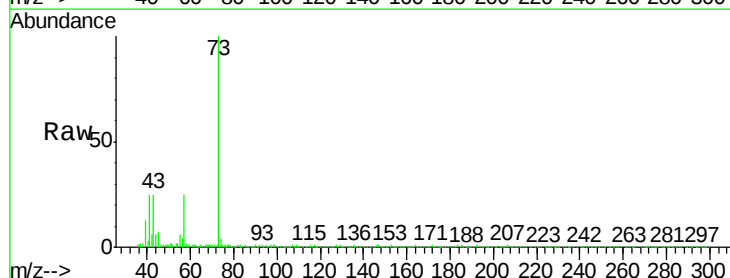
Instrument :
MSVOA_X
ClientSampleId :
WATER-COMP

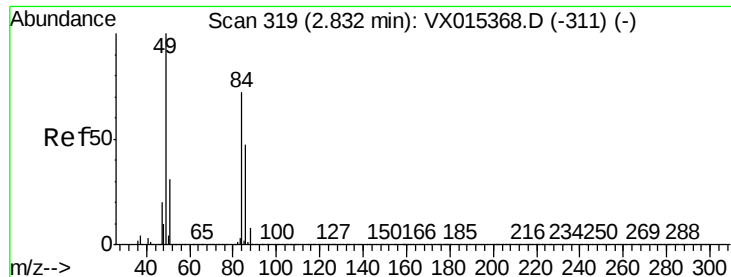
Tot Ion: 43 Resp: 797039
Ion Ratio Lower Upper
43 100
58 27.9 22.1 33.1



#19
Methyl tert-butyl Ether
Concen: 3.010 ug/l
RT: 3.17 min Scan# 374
Delta R.T. 0.00 min
Lab File: VX015450.D
Acq: 31 Mar 2020 13:49

Tgt Ion: 73 Resp: 121750
Ion Ratio Lower Upper
73 100
57 23.9 17.9 26.9

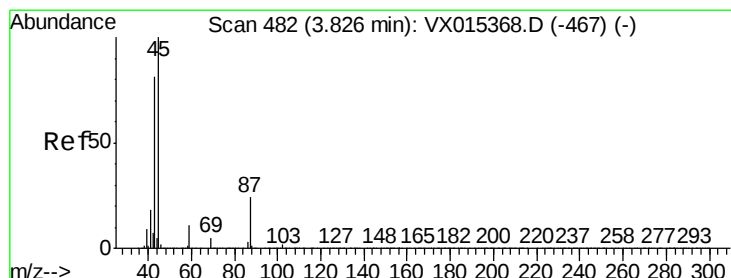
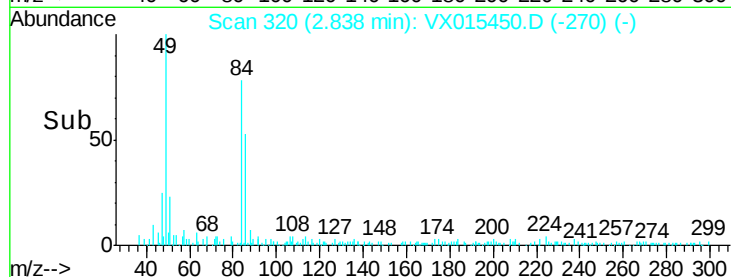
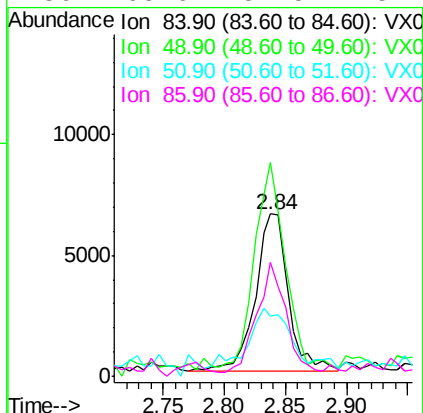
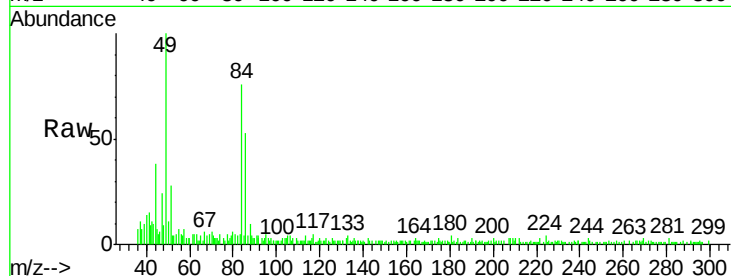




#20
Methvlene Chloride
Concen: 0.974 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015450.D
Acq: 31 Mar 2020 13:49

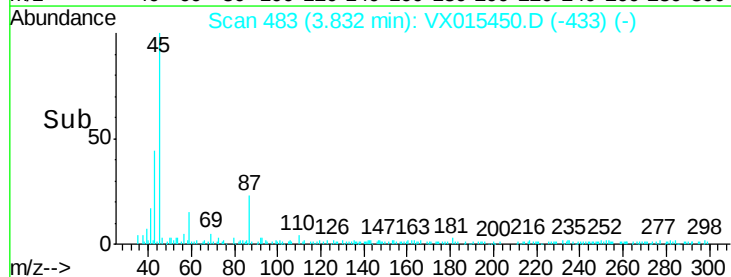
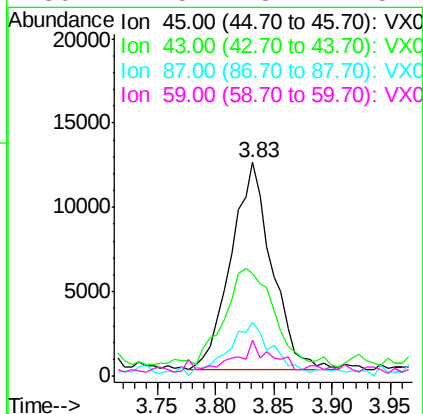
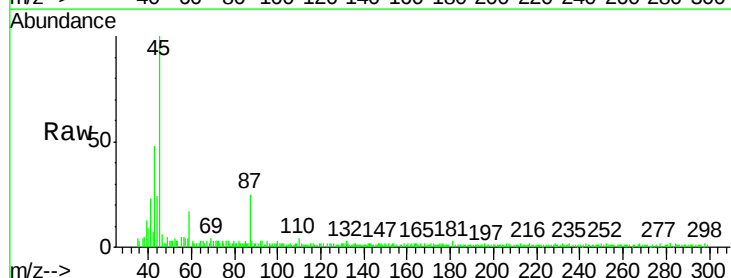
Instrument :
MSVOA_X
ClientSampleId :
WATER-COMP

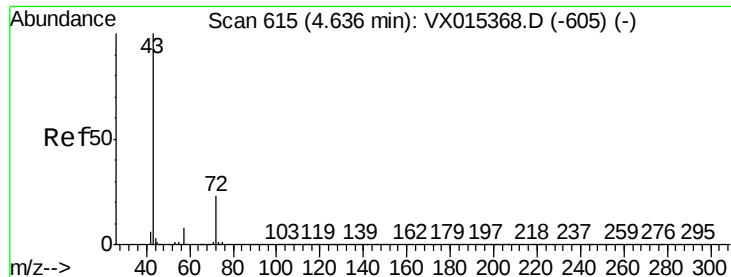
Tot Ion:	84	Resp:	12177
Ion	Ratio	Lower	Upper
84	100		
49	131.3	111.3	166.9
51	33.4	34.0	51.0#
86	65.6	52.5	78.7



#22
Diisopropyl ether
Concen: 0.698 ug/l
RT: 3.83 min Scan# 483
Delta R.T. 0.01 min
Lab File: VX015450.D
Acq: 31 Mar 2020 13:49

Tgt Ion:	45	Resp:	30136
Ion	Ratio	Lower	Upper
45	100		
43	44.8	64.7	97.1#
87	25.9	19.4	29.0
59	14.5	8.7	13.1#





#25

2-Butanone

Concen: 17.652 ug/l

RT: 4.64 min Scan# 616

Delta R.T. 0.01 min

Lab File: VX015450.D

Acq: 31 Mar 2020 13:49

Instrument :

MSVOA_X

ClientSampleId :

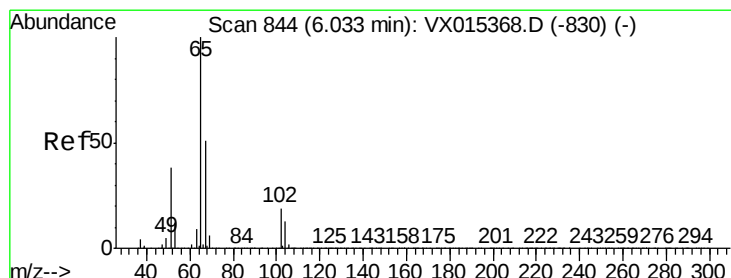
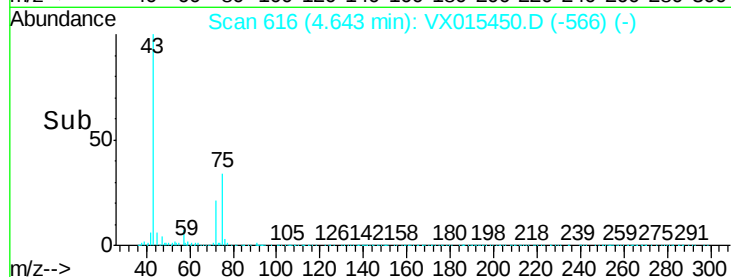
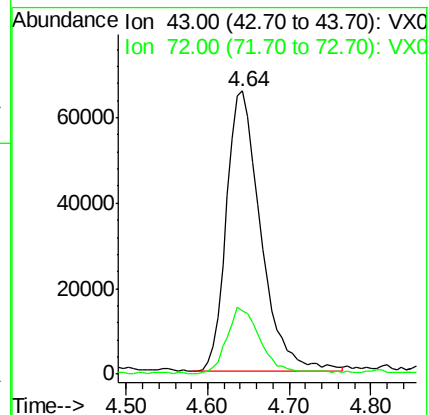
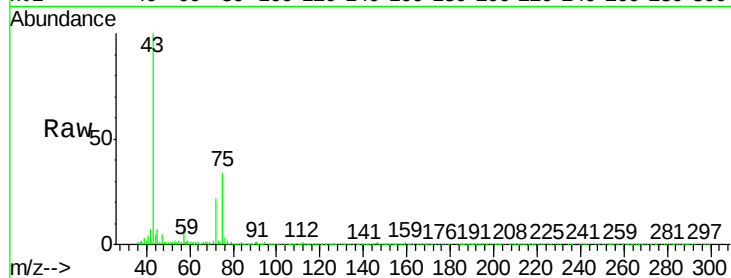
WATER-COMP

Tot Ion: 43 Resp: 190035

Ion Ratio Lower Upper

43 100

72 22.1 19.0 28.4



#33

1,2-Dichloroethane-d4

Concen: 48.911 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015450.D

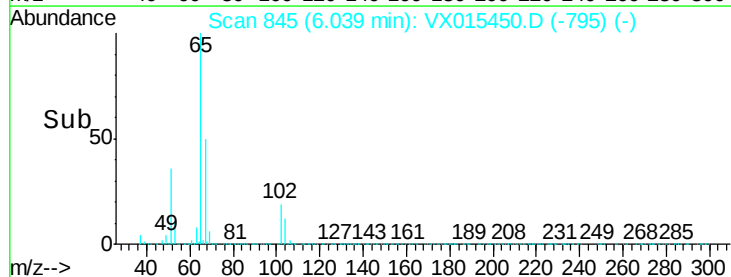
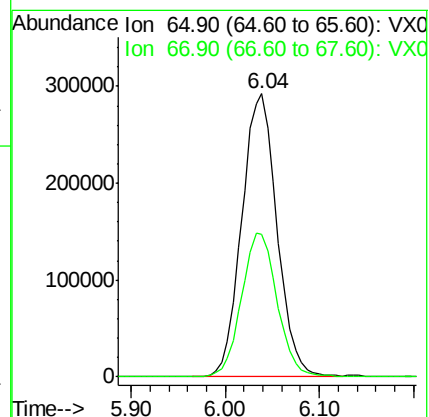
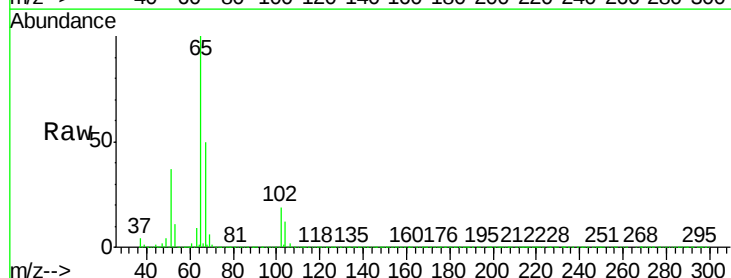
Acq: 31 Mar 2020 13:49

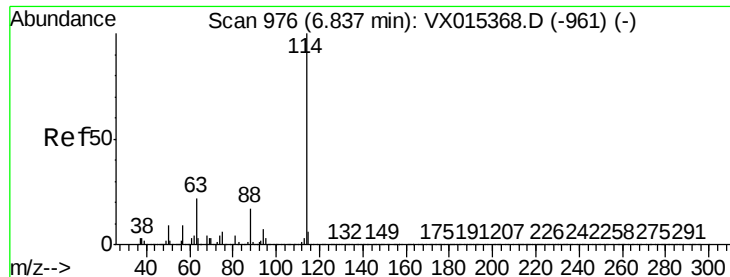
Tgt Ion: 65 Resp: 762105

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015450.D

Acq: 31 Mar 2020 13:49

Instrument :

MSVOA_X

ClientSampleId :

WATER-COMP

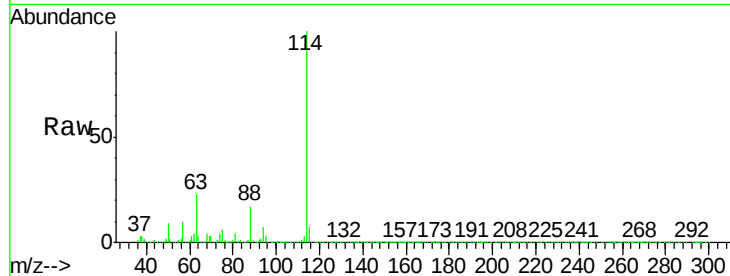
Tot Ion:114 Resp: 1834685

Ion Ratio Lower Upper

114 100

63 23.1 0.0 44.2

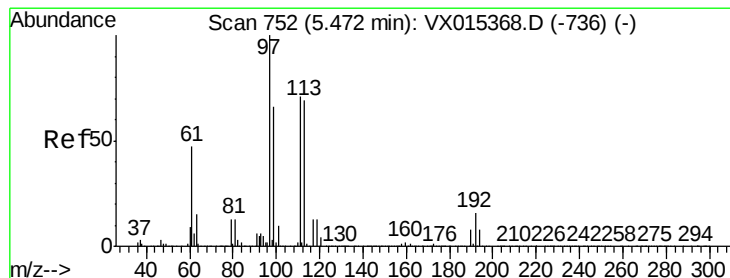
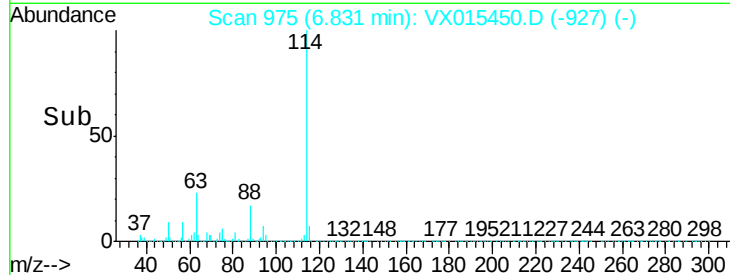
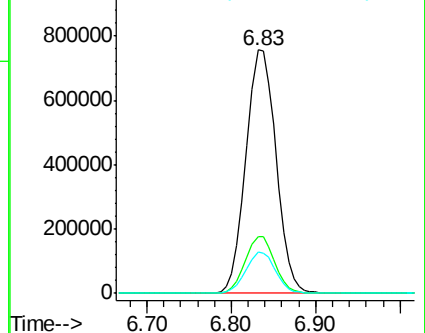
88 16.8 0.0 33.8



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



#35

Dibromofluoromethane

Concen: 48.664 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015450.D

Acq: 31 Mar 2020 13:49

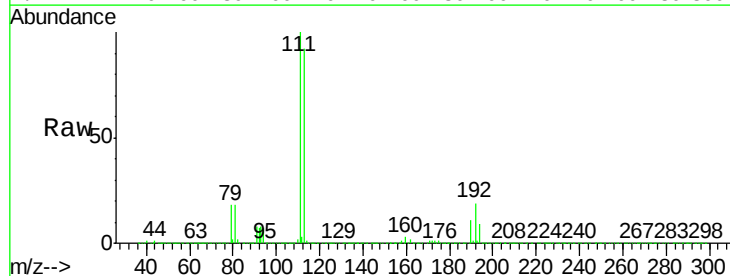
Tgt Ion:113 Resp: 570719

Ion Ratio Lower Upper

113 100

111 104.4 81.5 122.3

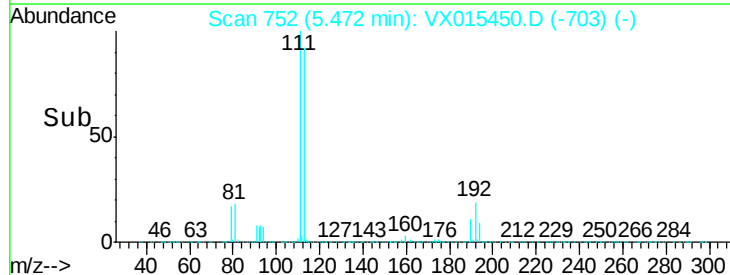
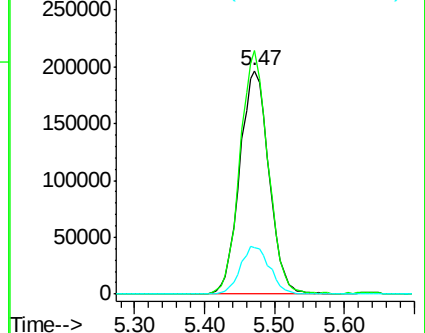
192 21.4 17.8 26.6

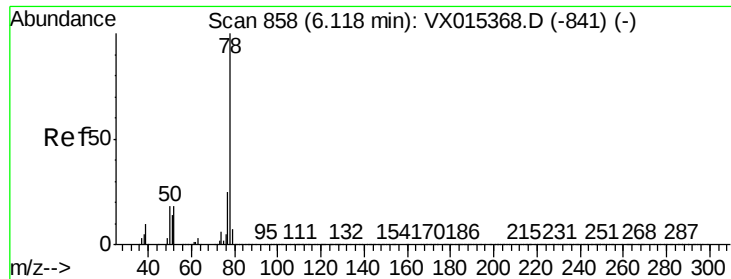


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 5.706 ug/l

RT: 6.12 min Scan# 858

Delta R.T. 0.00 min

Lab File: VX015450.D

Acq: 31 Mar 2020 13:49

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ClientSampleId :

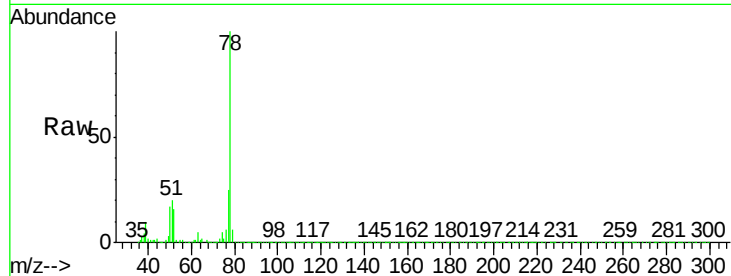
WATER-COMP

Tot Ion: 78 Resp: 282547

Ion Ratio Lower Upper

78 100

77 24.2 19.8 29.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.12

120000

100000

80000

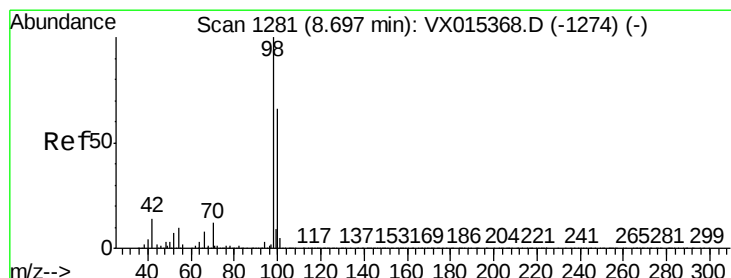
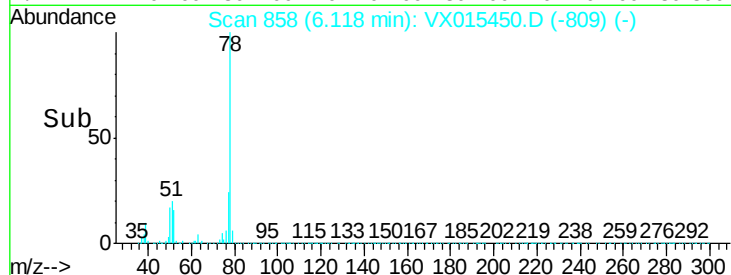
60000

40000

20000

0

Time-->



#50

Toluene-d8

Concen: 51.391 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015450.D

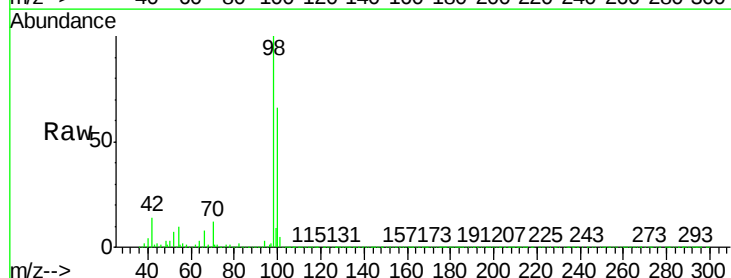
Acq: 31 Mar 2020 13:49

Tgt Ion: 98 Resp: 2218989

Ion Ratio Lower Upper

98 100

100 66.2 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.70

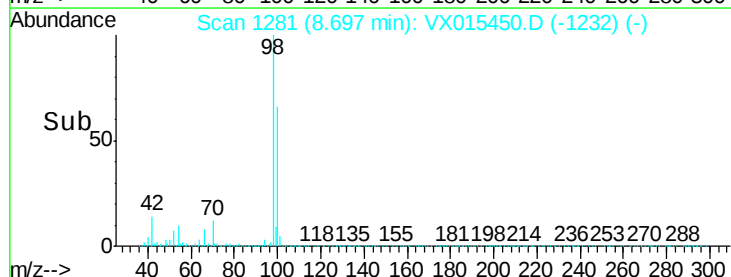
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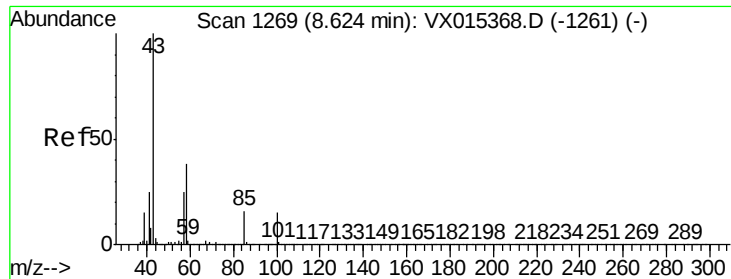
1000000

500000

0

Time-->

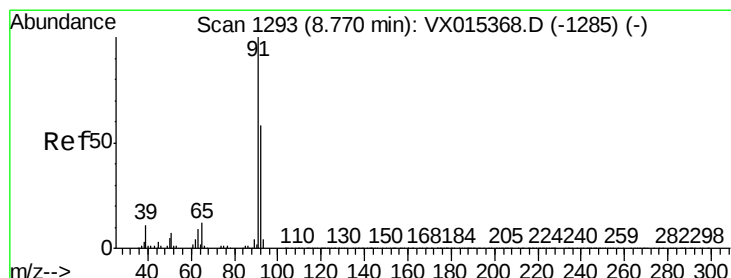
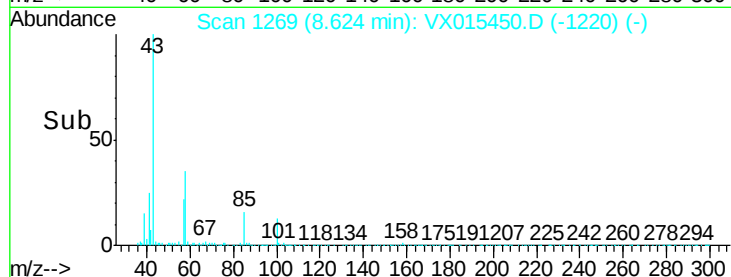
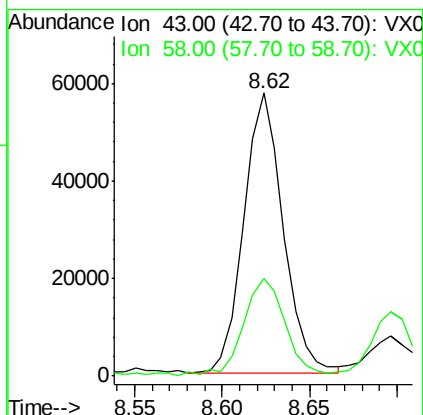
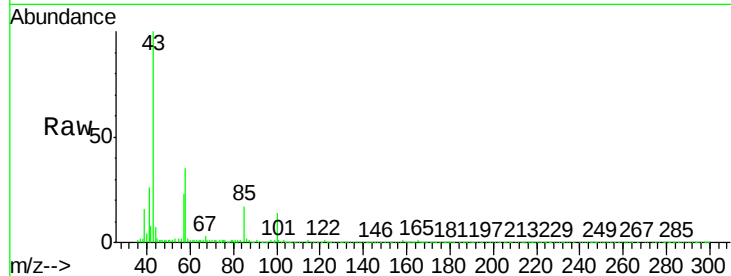




#51
4-Methyl-2-Pentanone
Concen: 4.259 ug/l
RT: 8.62 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VX015450.D
Acq: 31 Mar 2020 13:49

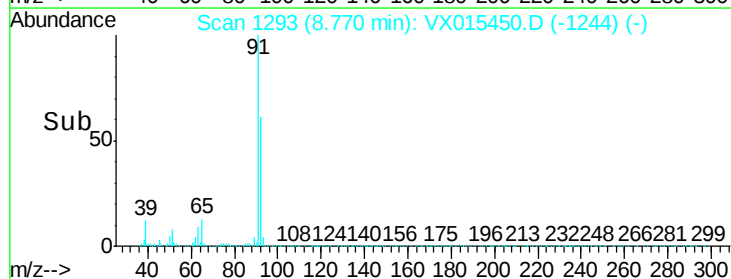
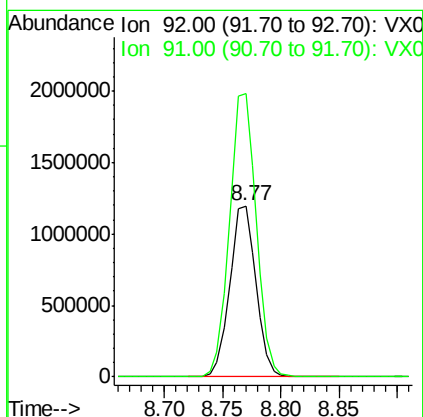
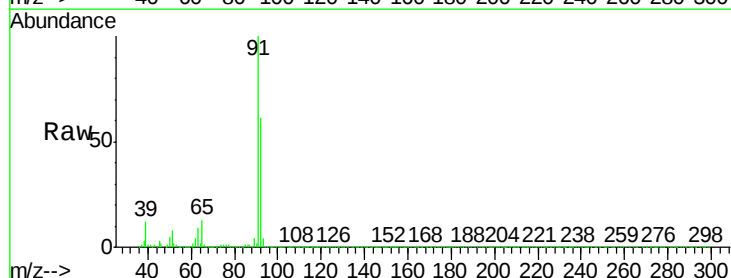
Instrument :
MSVOA_X
ClientSampleId :
WATER-COMP

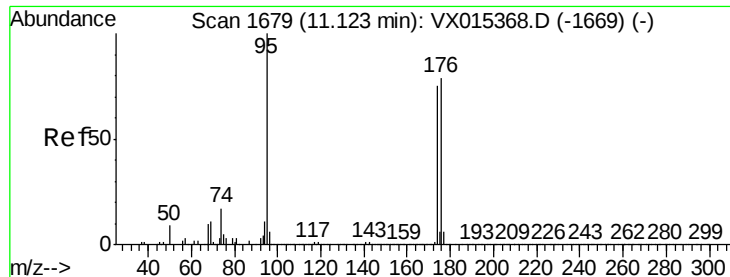
Tot Ion: 43 Resp: 89691
Ion Ratio Lower Upper
43 100
58 36.1 29.7 44.5



#52
Toluene
Concen: 61.526 ug/l
RT: 8.77 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX015450.D
Acq: 31 Mar 2020 13:49

Tgt Ion: 92 Resp: 1878352
Ion Ratio Lower Upper
92 100
91 168.6 136.6 205.0





#62

4-Bromofluorobenzene

Concen: 53.986 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015450.D

Acq: 31 Mar 2020 13:49

Instrument :

MSVOA_X

ClientSampleId :

WATER-COMP

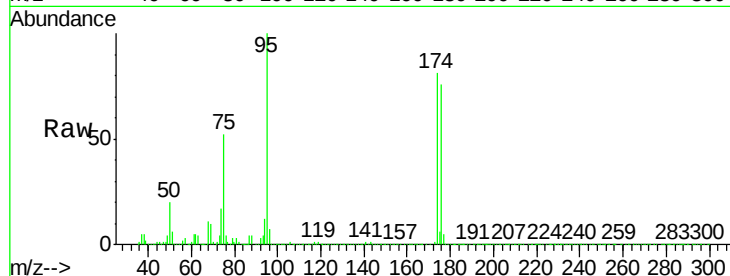
Tot Ion: 95 Resp: 947333

Ion Ratio Lower Upper

95 100

174 78.8 0.0 158.6

176 76.0 0.0 159.0

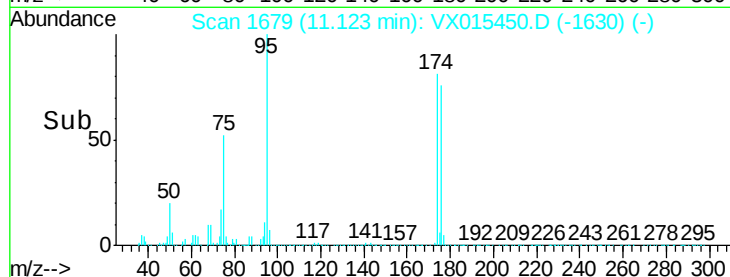


Abundance Ion 94.90 (94.60 to 95.60): VX015450.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX015450.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX015450.D (-1630) (-)

Time-->



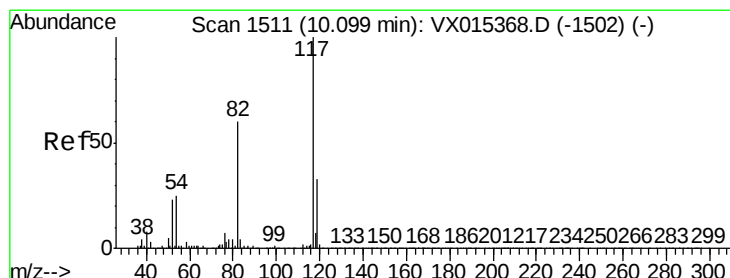
Abundance

Ion 94.90 (94.60 to 95.60): VX015450.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX015450.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX015450.D (-1630) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015450.D

Acq: 31 Mar 2020 13:49

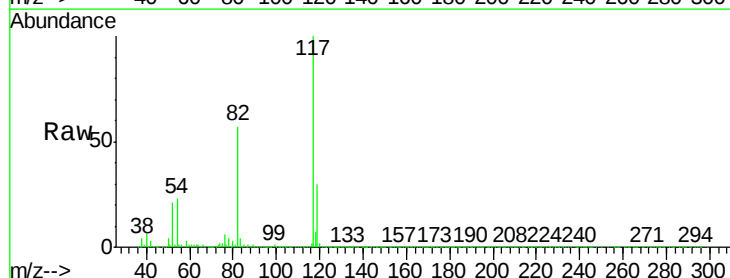
Tgt Ion: 117 Resp: 1755771

Ion Ratio Lower Upper

117 100

82 56.7 47.8 71.8

119 30.4 26.8 40.2

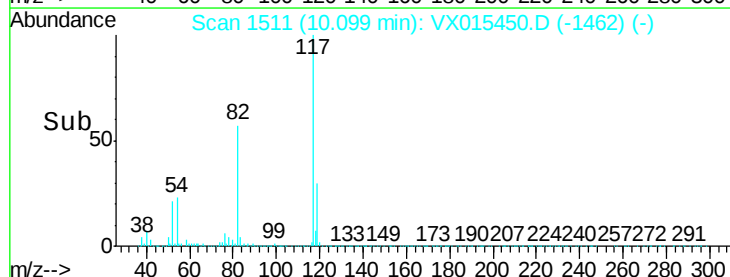


Abundance Ion 116.90 (116.60 to 117.60): VX015450.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015450.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015450.D (-1462) (-)

Time-->



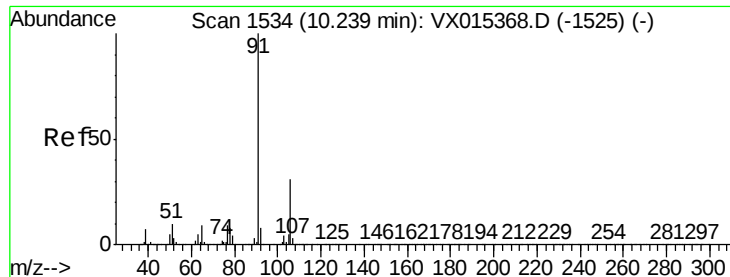
Abundance

Ion 116.90 (116.60 to 117.60): VX015450.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015450.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015450.D (-1462) (-)

Time-->



#67

Ethyl Benzene

Concen: 19.317 ug/l

RT: 10.24 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VX015450.D

Acq: 31 Mar 2020 13:49

Instrument :

MSVOA_X

ClientSampleId :

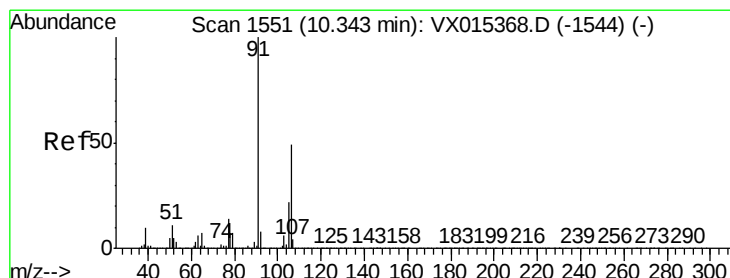
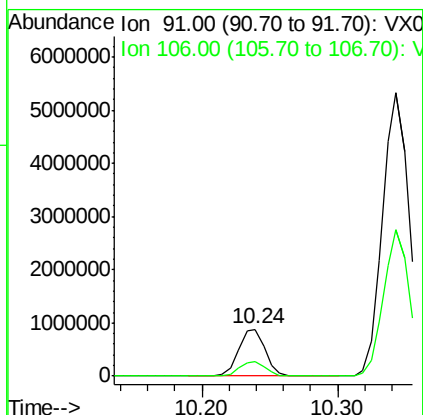
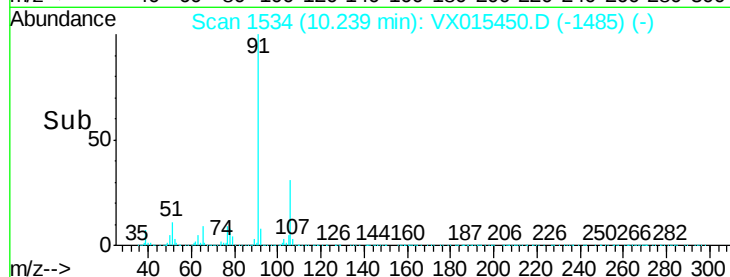
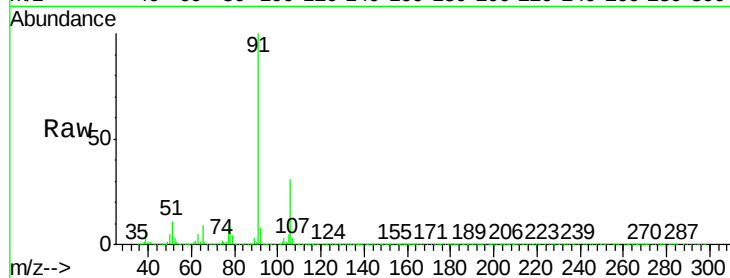
WATER-COMP

Tot Ion: 91 Resp: 1199658

Ion Ratio Lower Upper

91 100

106 31.2 24.8 37.2



#68

m/p-Xylenes

Concen: 157.655 ug/l

RT: 10.34 min Scan# 1551

Delta R.T. 0.00 min

Lab File: VX015450.D

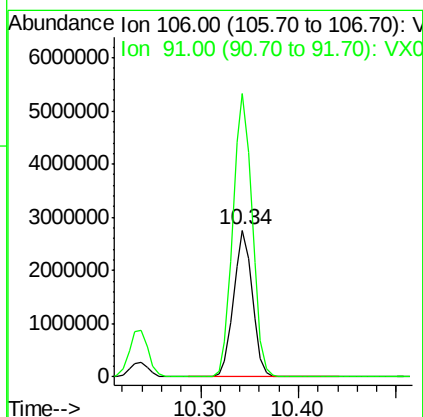
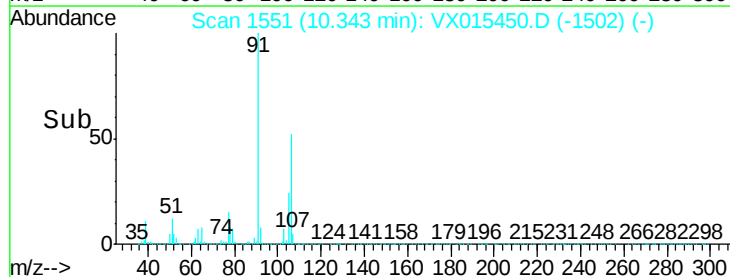
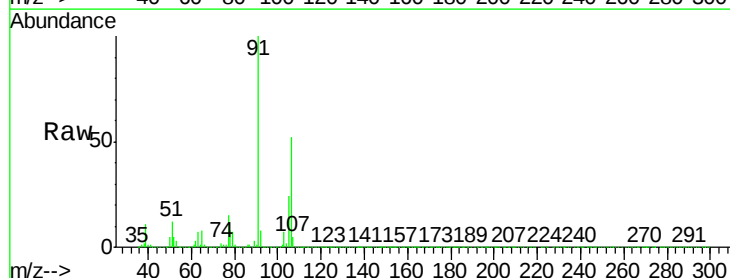
Acq: 31 Mar 2020 13:49

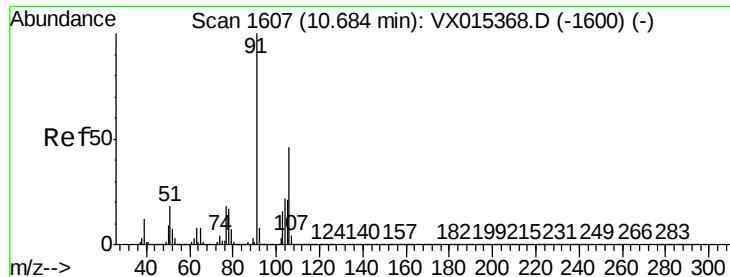
Tgt Ion: 106 Resp: 3645797

Ion Ratio Lower Upper

106 100

91 200.3 163.4 245.0

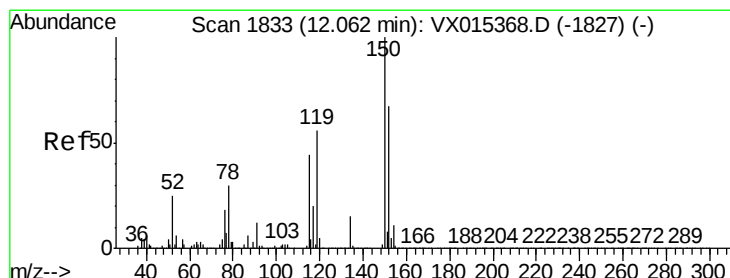
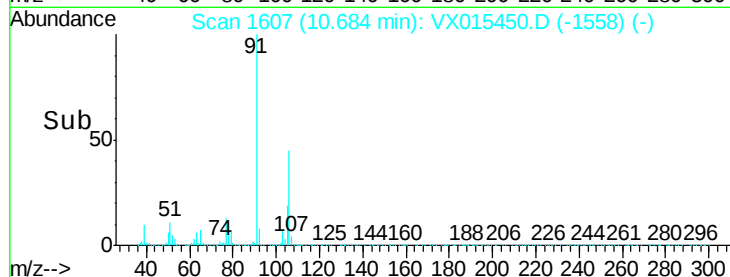
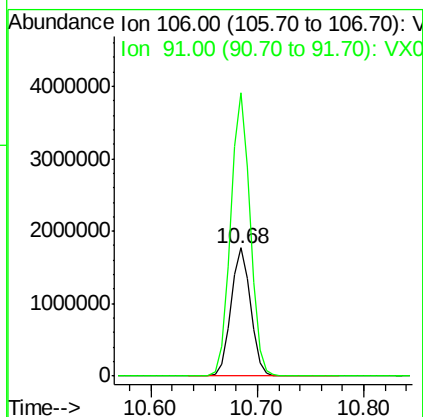
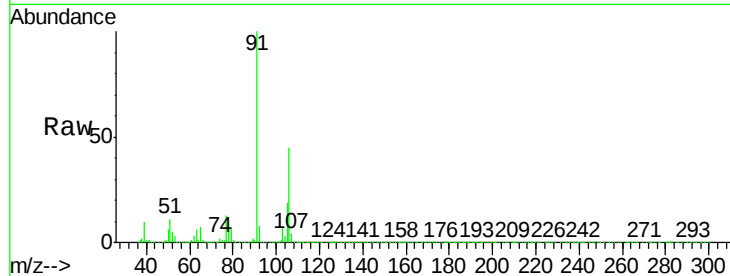




#69
o-Xylene
Concen: 100.133 ug/l
RT: 10.68 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VX015450.D
Acq: 31 Mar 2020 13:49

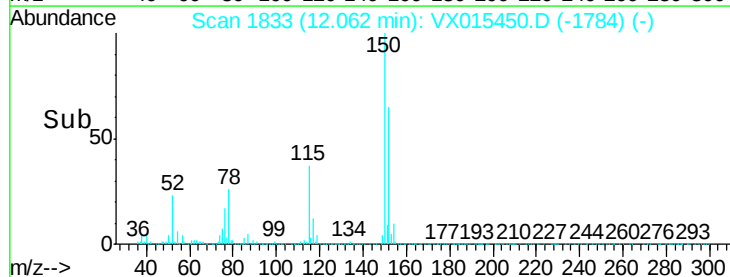
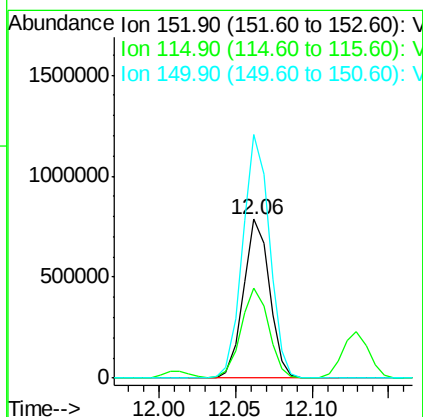
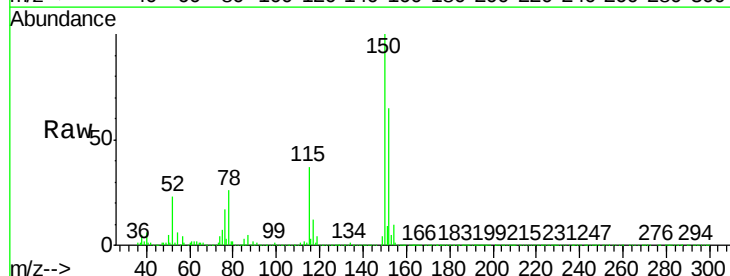
Instrument :
MSVOA_X
ClientSampled :
WATER-COMP

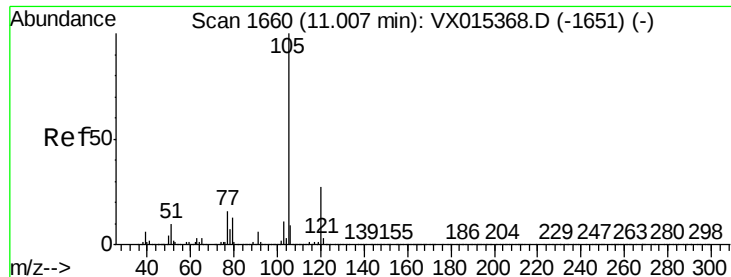
Tot Ion:106 Resp: 2288185
Ion Ratio Lower Upper
106 100
91 219.4 107.1 321.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015450.D
Acq: 31 Mar 2020 13:49

Tgt Ion:152 Resp: 932796
Ion Ratio Lower Upper
152 100
115 59.4 39.0 116.9
150 157.1 0.0 340.8





#73

Isopropylbenzene

Concen: 5.030 ug/l

RT: 11.00 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX015450.D

Acq: 31 Mar 2020 13:49

Instrument :

MSVOA_X

ClientSampleId :

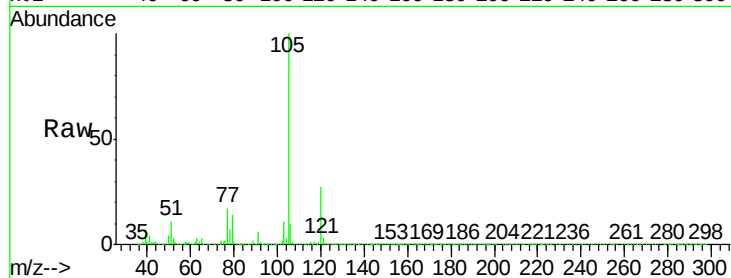
WATER-COMP

Tot Ion:105 Resp: 307442

Ion Ratio Lower Upper

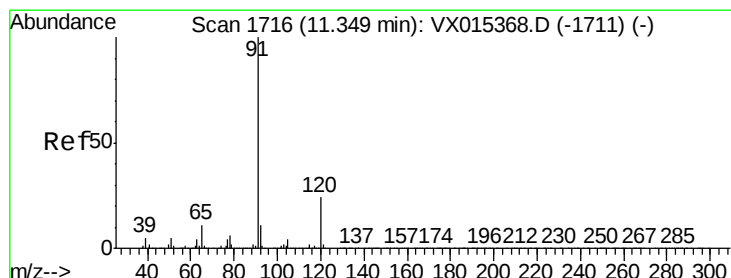
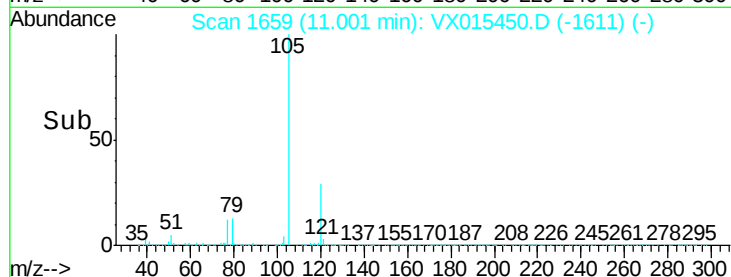
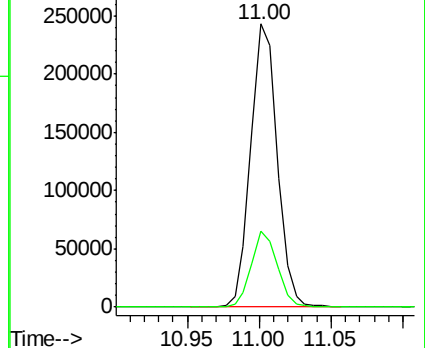
105 100

120 25.9 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 19.694 ug/l

RT: 11.34 min Scan# 1715

Delta R.T. -0.01 min

Lab File: VX015450.D

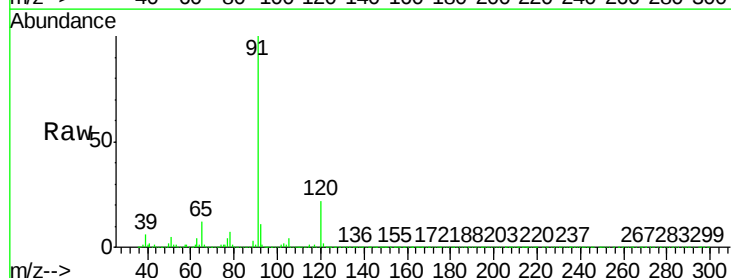
Acq: 31 Mar 2020 13:49

Tgt Ion: 91 Resp: 1376352

Ion Ratio Lower Upper

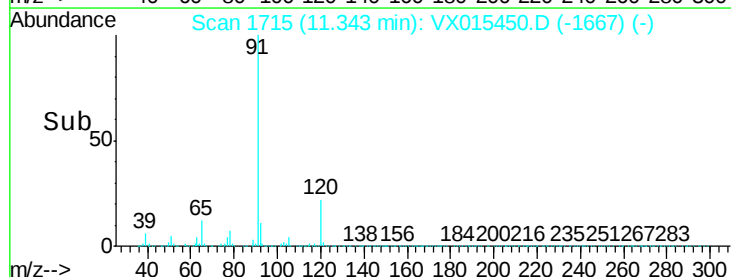
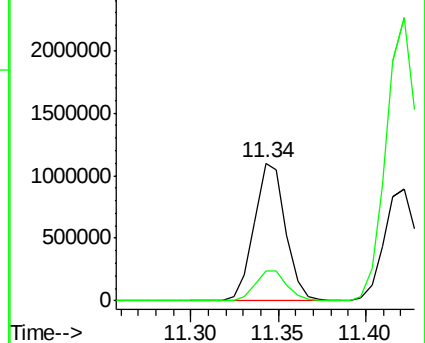
91 100

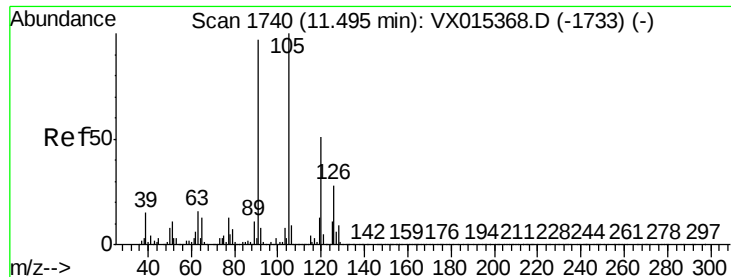
120 22.3 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

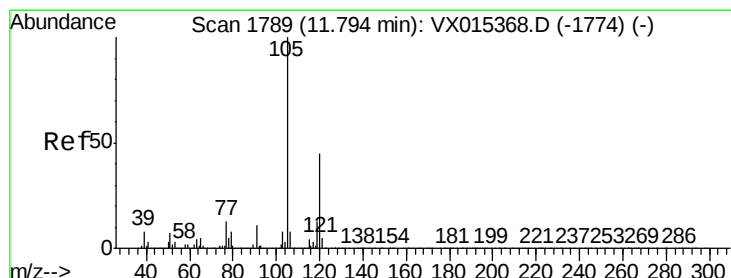
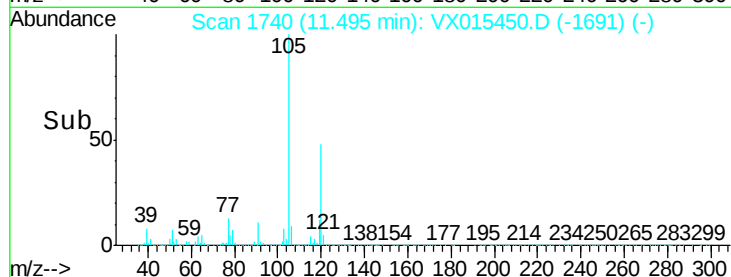
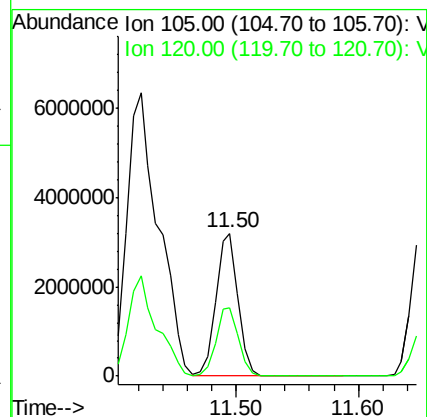
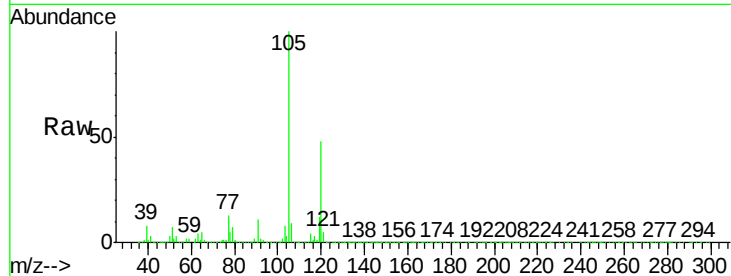




#80
 1,3,5-Trimethylbenzene
 Concen: 77.254 ug/l
 RT: 11.50 min Scan# 1740
 Delta R.T. 0.00 min
 Lab File: VX015450.D
 Acq: 31 Mar 2020 13:49

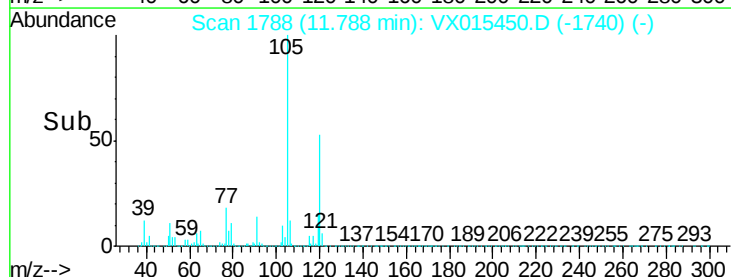
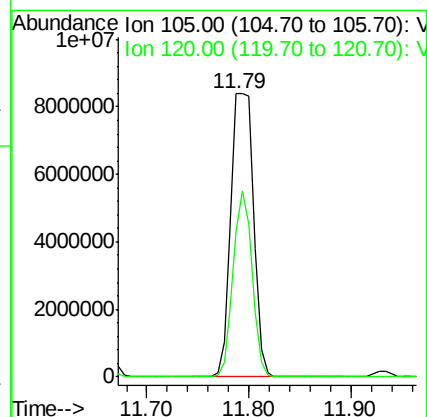
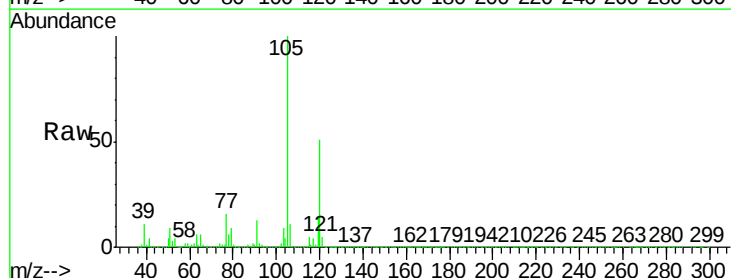
Instrument :
 MSVOA_X
 ClientSampleId :
 WATER-COMP

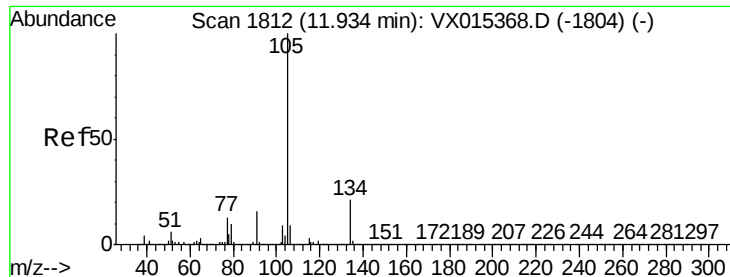
Tot Ion:105 Resp: 4032458
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.8 74.4



#84
 1,2,4-Trimethylbenzene
 Concen: 242.302 ug/l
 RT: 11.79 min Scan# 1788
 Delta R.T. -0.01 min
 Lab File: VX015450.D
 Acq: 31 Mar 2020 13:49

Tgt Ion:105 Resp:12888335
 Ion Ratio Lower Upper
 105 100
 120 54.3 22.7 68.1





#85

sec-Butylbenzene

Concen: 3.751 ug/l m

RT: 11.93 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VX015450.D

Acq: 31 Mar 2020 13:49

Instrument :

MSVOA_X

ClientSampleId :

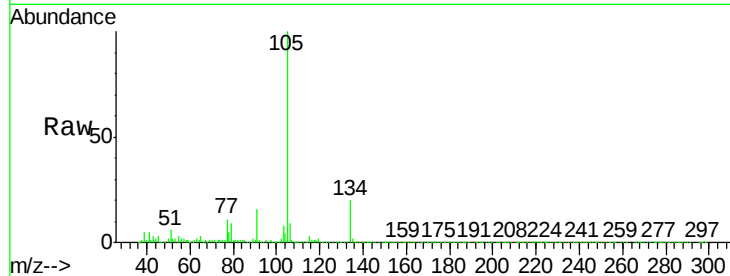
WATER-COMP

Tot Ion:105 Resp: 221173

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

200000

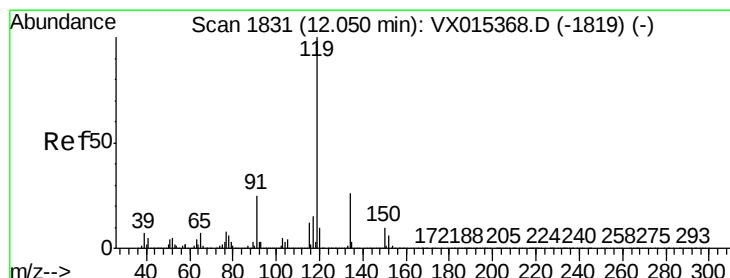
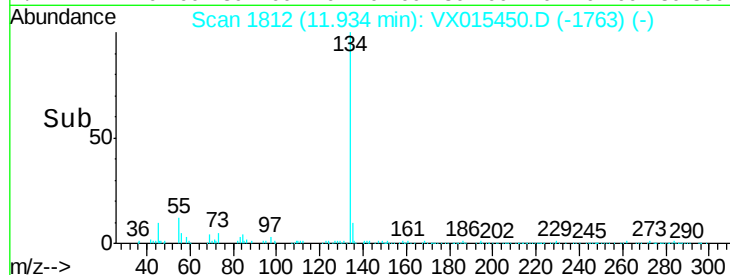
150000

100000

50000

0

Time--> 11.85 11.90 11.95



#86

p-Isopropyltoluene

Concen: 3.649 ug/l

RT: 12.05 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VX015450.D

Acq: 31 Mar 2020 13:49

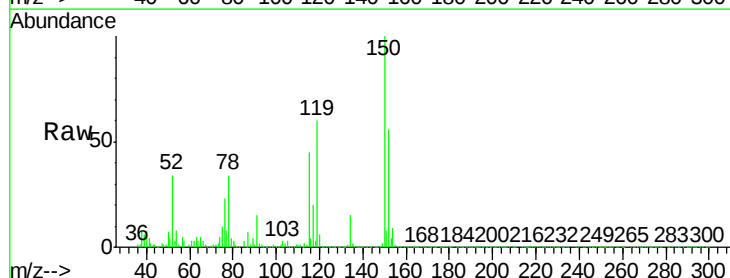
Tgt Ion:119 Resp: 199760

Ion Ratio Lower Upper

119 100

134 27.3 13.1 39.3

91 25.9 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

600000

500000

400000

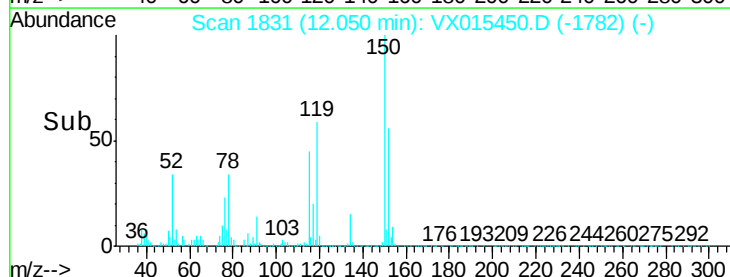
300000

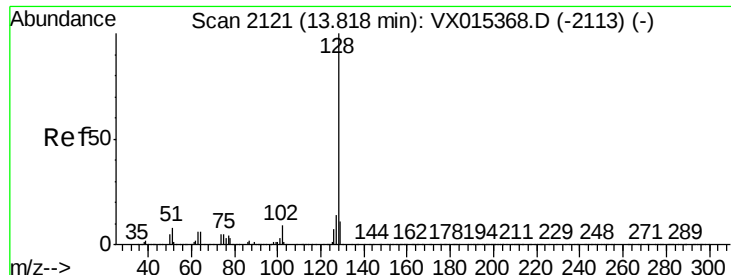
200000

100000

0

Time--> 12.05 12.10





#95
Naphthalene
Concen: 73.952 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. 0.00 min
Lab File: VX015450.D
Acq: 31 Mar 2020 13:49

Instrument :
MSVOA_X
ClientSampleId :
WATER-COMP

Tot Ion:128 Resp: 5096273
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 11.2 8.8 13.2

