

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042318\
 Data File : VX001071.D
 Acq On : 23 Apr 2018 20:35
 Operator : JC/MD
 Sample : J2464-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW047-180418

Quant Time: Apr 24 08:42:28 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	200851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	282325	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	256845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	150747	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	132339	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
35) Dibromofluoromethane	5.51	113	100840	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	
50) Toluene-d8	8.72	98	391902	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
62) 4-Bromofluorobenzene	11.14	95	142968	42.79	ug/l	0.00
Spiked Amount			Recovery	=	85.58%	

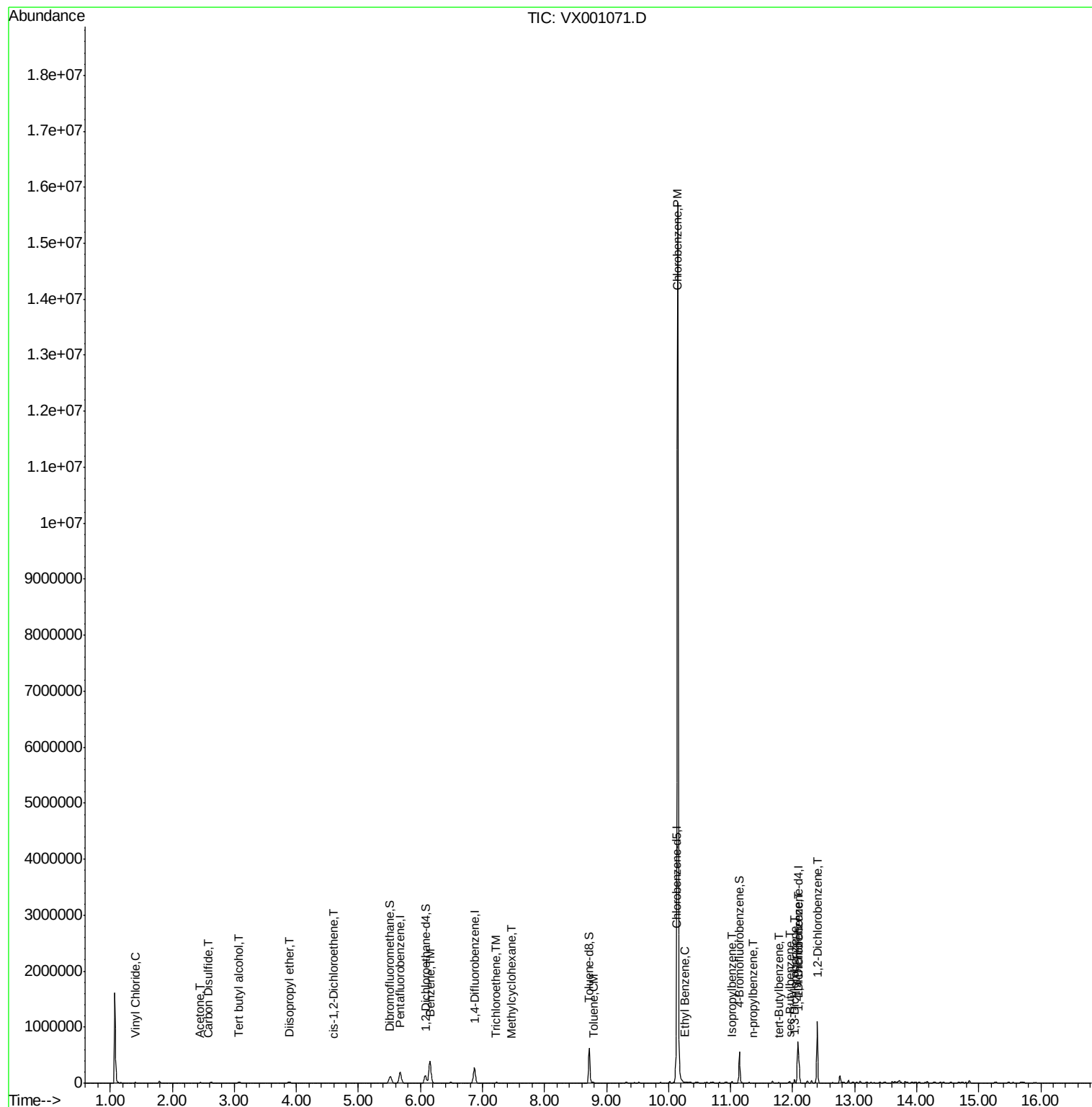
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	3790	1.58	ug/l	100
11) Tert butyl alcohol	3.07	59	22869	59.56	ug/l	97
16) Acetone	2.45	43	5982	6.24	ug/l	98
17) Carbon Disulfide	2.57	76	1920	0.34	ug/l #	94
22) Diisopropyl ether	3.88	45	23324	3.40	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	1517	0.63	ug/l	90
39) Methylcyclohexane	7.47	83	1200	0.31	ug/l #	88
40) Benzene	6.15	78	459207	49.79	ug/l	100
44) Trichloroethene	7.22	130	4576	1.62	ug/l	95
52) Toluene	8.79	92	2114	0.35	ug/l	93
65) Chlorobenzene	10.15	112	7065386	1033.09	ug/l	94
67) Ethyl Benzene	10.26	91	7593	0.67	ug/l	99
73) Isopropylbenzene	11.02	105	11666	1.18	ug/l	99
78) n-propylbenzene	11.37	91	2579	0.23	ug/l	96
83) tert-Butylbenzene	11.77	119	2967	0.35	ug/l	86
85) sec-Butylbenzene	11.95	105	9905	0.98	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	18813	3.51	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	128291	23.34	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	357803	69.01	ug/l	99

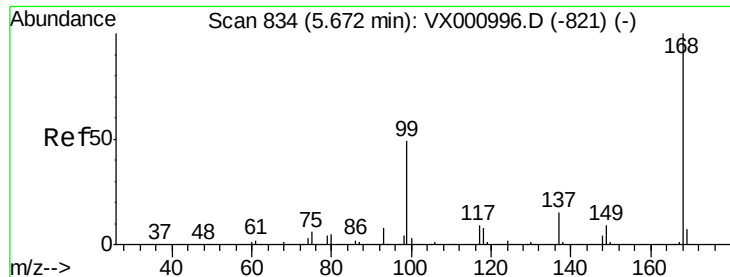
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001071.D

Acq: 23 Apr 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

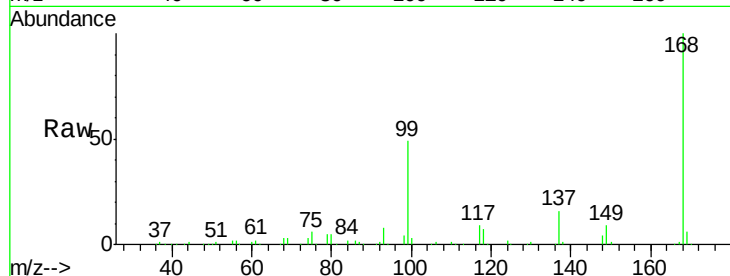
LF015MW047-180418

Tot Ion:168 Resp: 200851

Ion Ratio Lower Upper

168 100

99 49.4 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

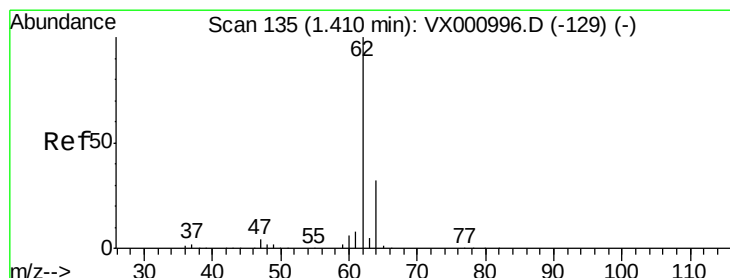
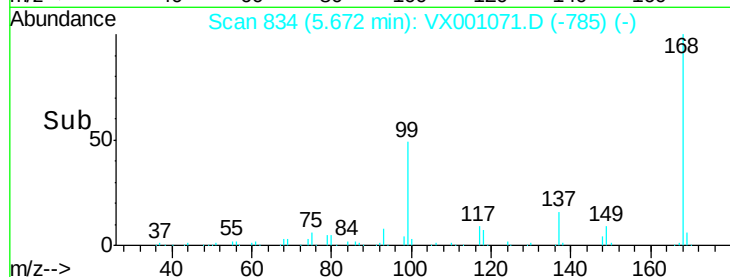
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 1.58 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001071.D

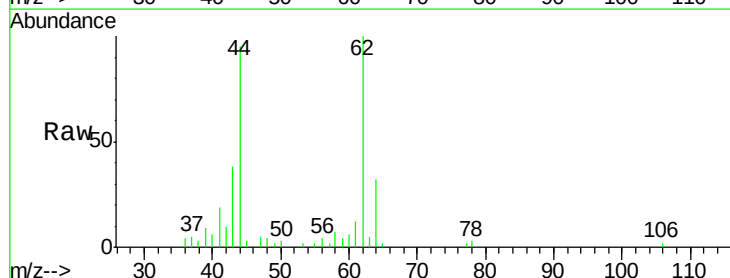
Acq: 23 Apr 2018 20:35

Tgt Ion: 62 Resp: 3790

Ion Ratio Lower Upper

62 100

64 32.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

4000

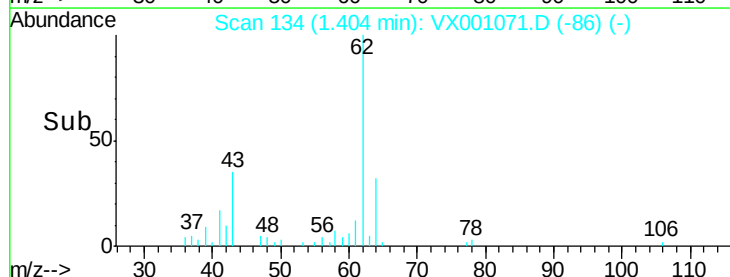
3000

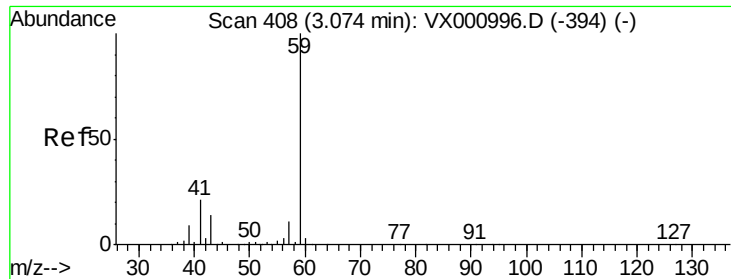
2000

1000

0

Time--> 1.35 1.40 1.45

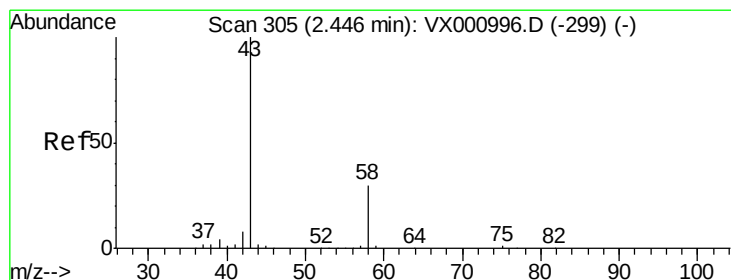
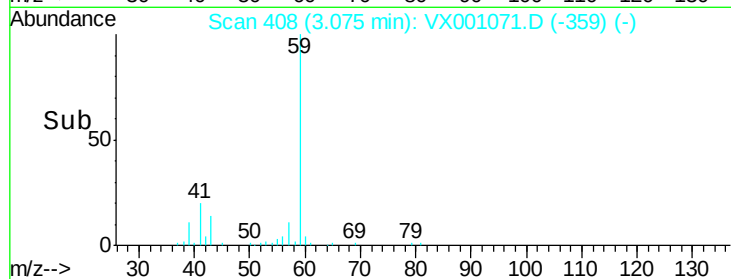
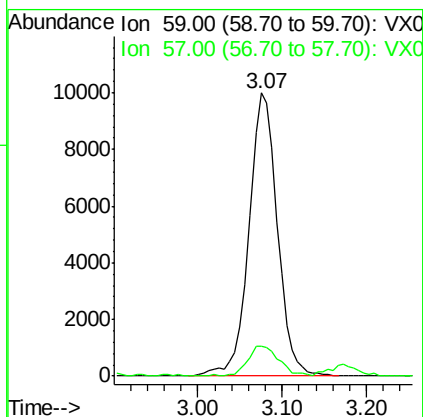
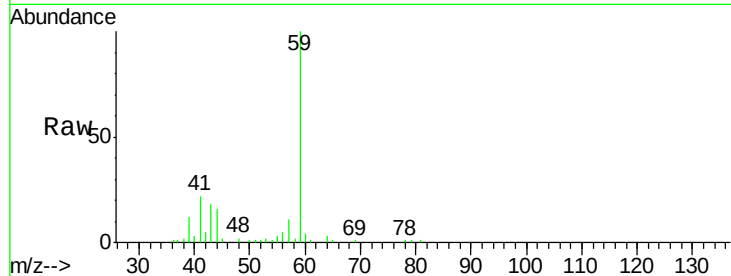




#11
Tert butyl alcohol
Concen: 59.56 ug/l
RT: 3.07 min Scan# 408
Delta R.T. 0.00 min
Lab File: VX001071.D
Acq: 23 Apr 2018 20:35

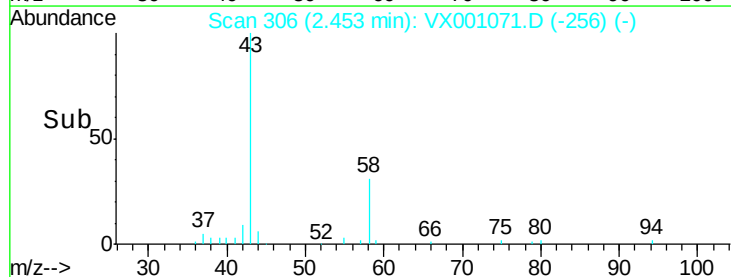
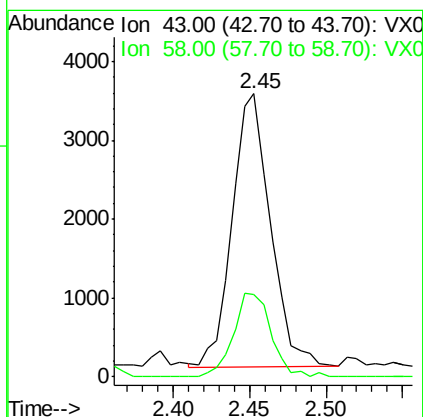
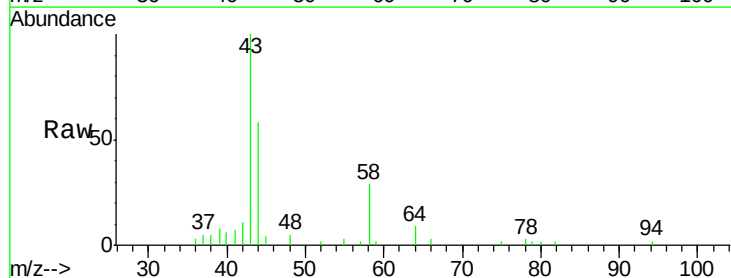
Instrument :
MSVOA_X
ClientSampleId :
LF015MW047-180418

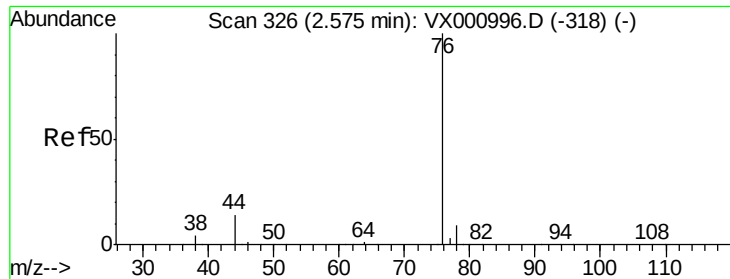
Tot Ion: 59 Resp: 22869
Ion Ratio Lower Upper
59 100
57 11.5 8.3 12.5



#16
Acetone
Concen: 6.24 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.01 min
Lab File: VX001071.D
Acq: 23 Apr 2018 20:35

Tgt Ion: 43 Resp: 5982
Ion Ratio Lower Upper
43 100
58 30.4 23.7 35.5





#17

Carbon Disulfide

Concen: 0.34 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX001071.D

Acq: 23 Apr 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

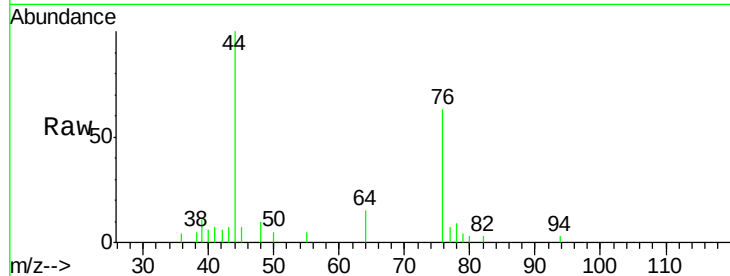
LF015MW047-180418

Tot Ion: 76 Resp: 1920

Ion Ratio Lower Upper

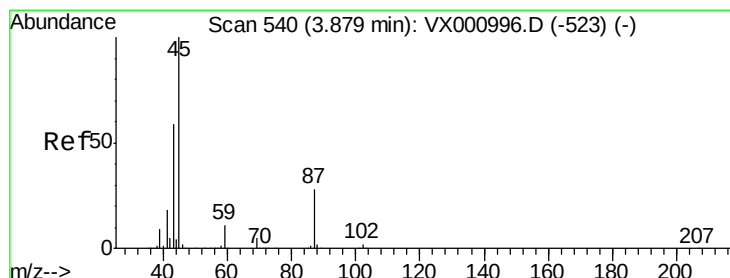
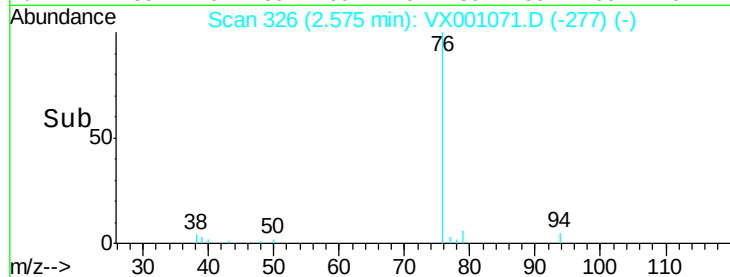
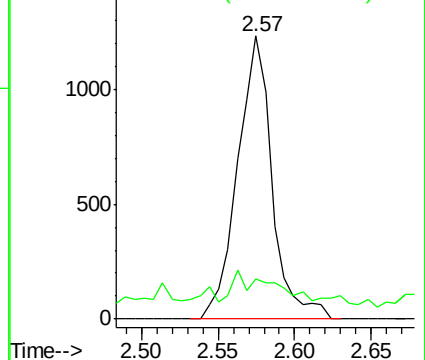
76 100

78 7.1 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#22

Diisopropyl ether

Concen: 3.40 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001071.D

Acq: 23 Apr 2018 20:35

Tgt Ion: 45 Resp: 23324

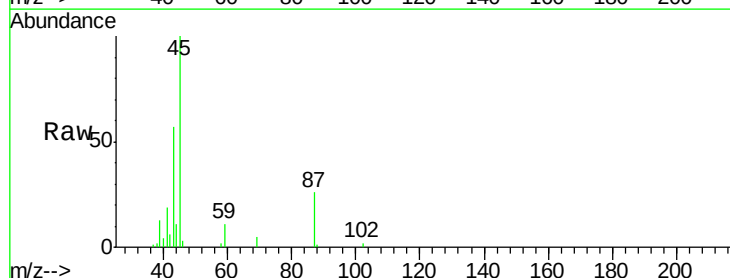
Ion Ratio Lower Upper

45 100

43 55.6 47.0 70.4

87 25.7 22.5 33.7

59 11.3 8.8 13.2

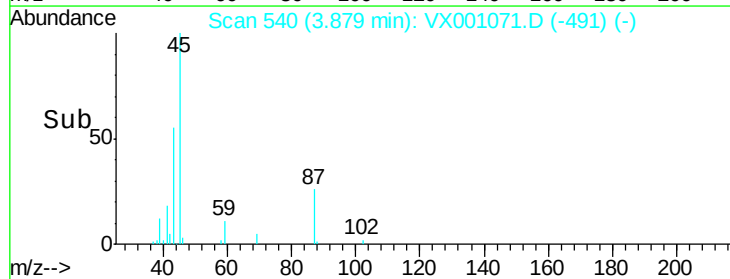
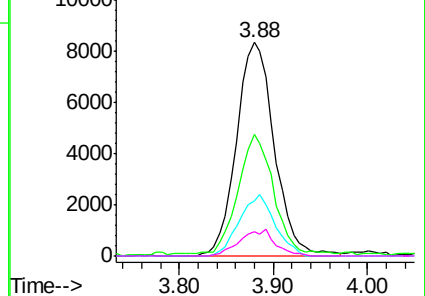


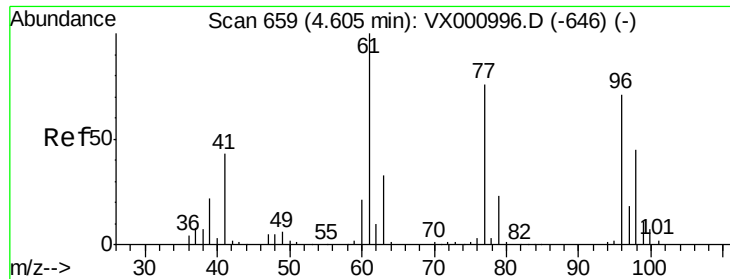
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#27

cis-1,2-Dichloroethene

Concen: 0.63 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001071.D

Acq: 23 Apr 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

LF015MW047-180418

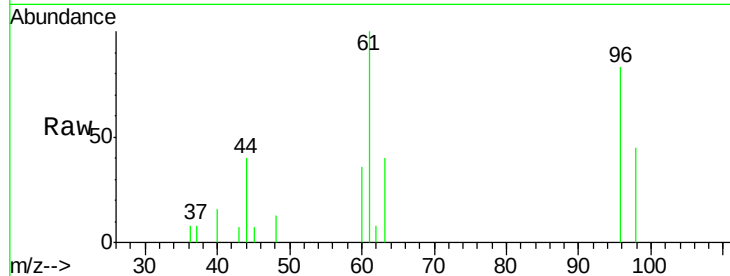
Tot Ion: 96 Resp: 1517

Ion Ratio Lower Upper

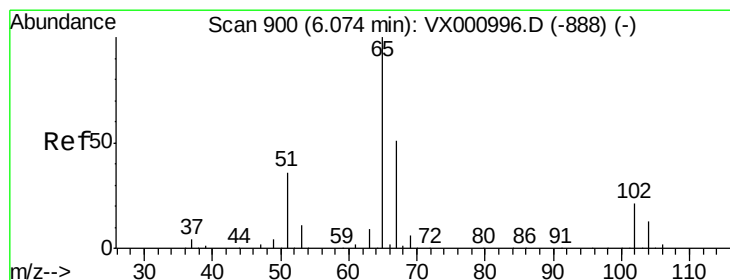
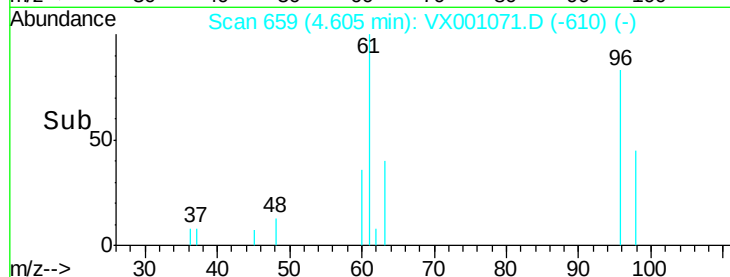
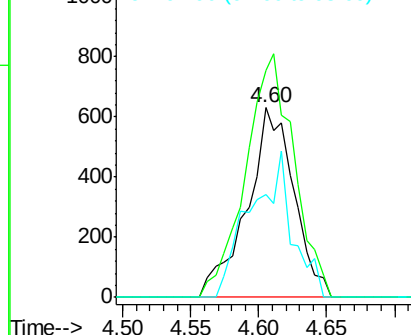
96 100

61 132.8 0.0 297.0

98 68.6 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.98 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001071.D

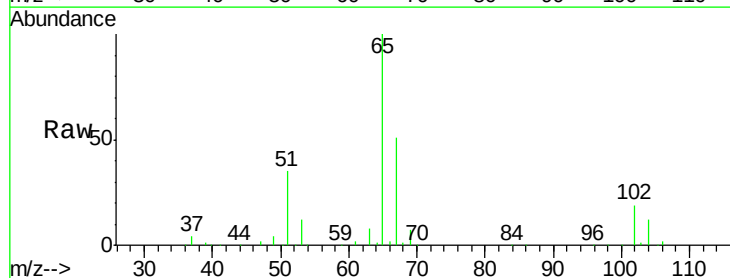
Acq: 23 Apr 2018 20:35

Tgt Ion: 65 Resp: 132339

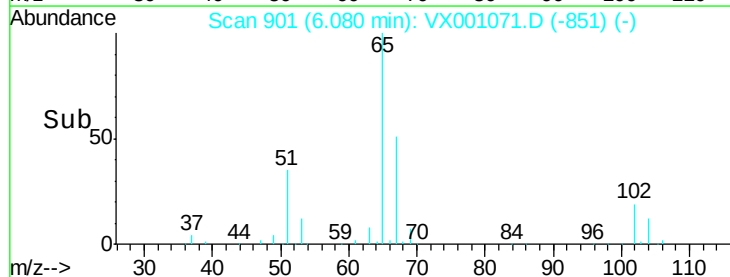
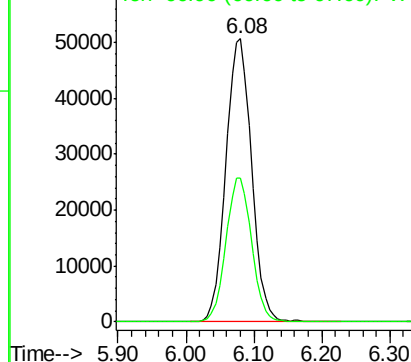
Ion Ratio Lower Upper

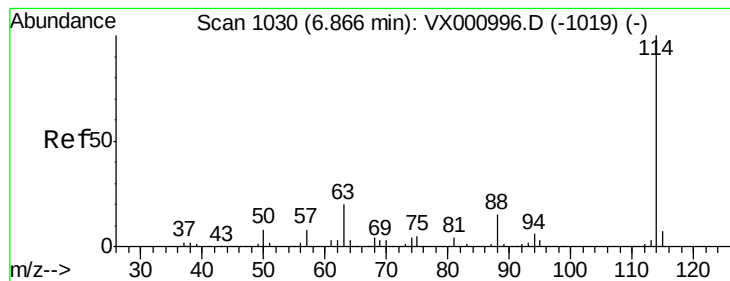
65 100

67 50.9 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001071.D

Acq: 23 Apr 2018 20:35

Instrument :

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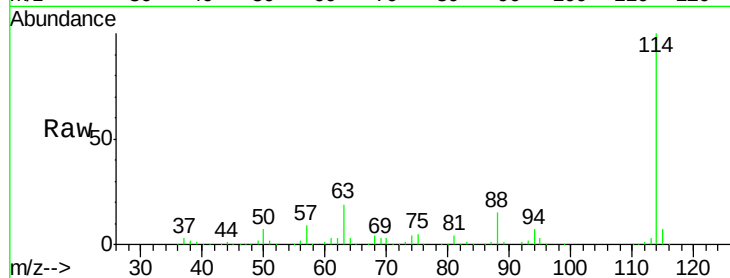
Tot Ion:114 Resp: 282325

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.4

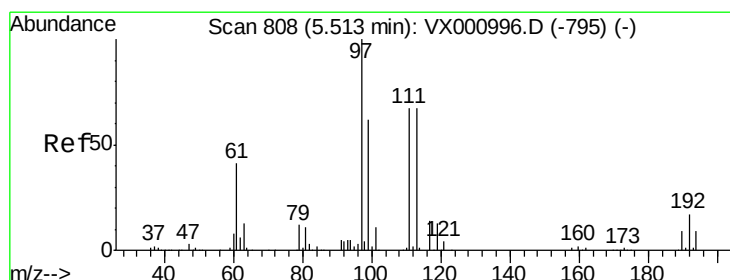
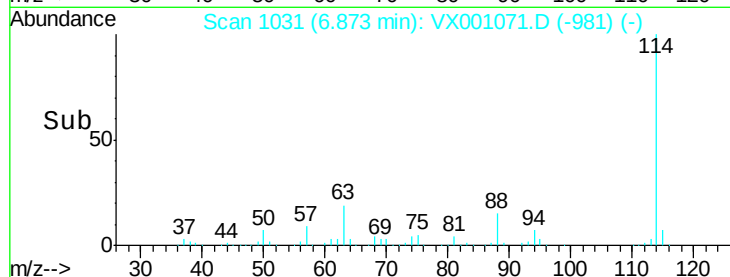
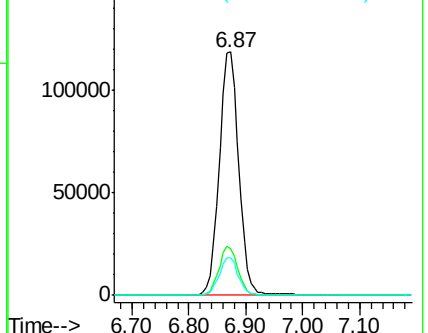
88 15.4 0.0 29.8



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: 46.84 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001071.D

Acq: 23 Apr 2018 20:35

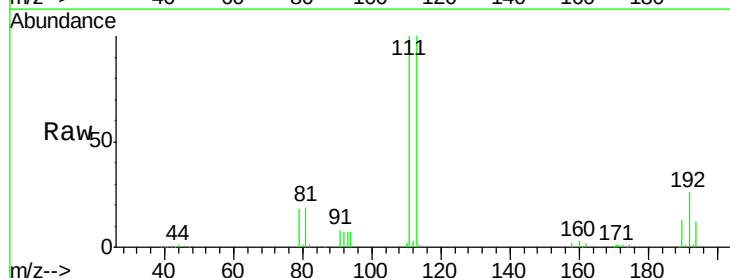
Tgt Ion:113 Resp: 100840

Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.2

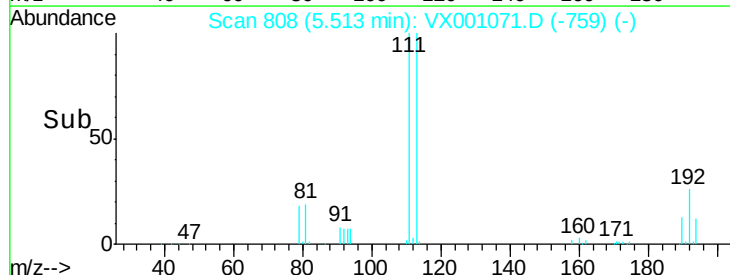
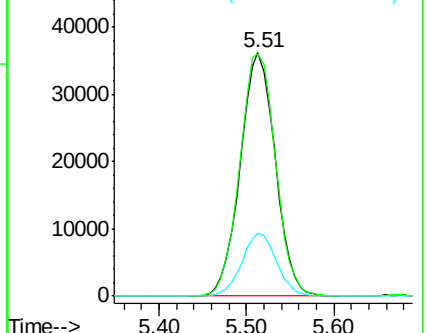
192 25.6 20.4 30.6

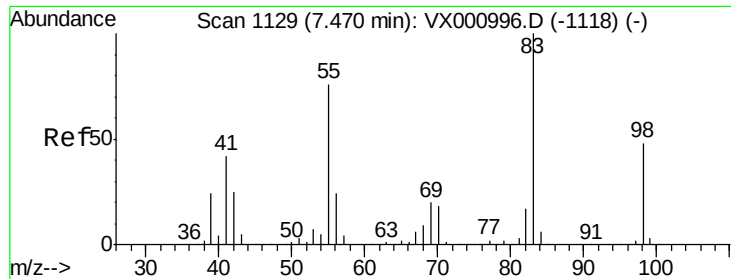


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

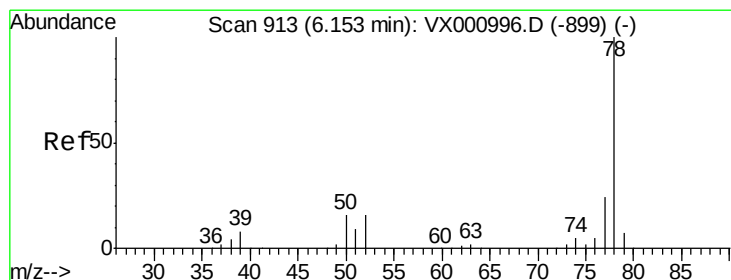
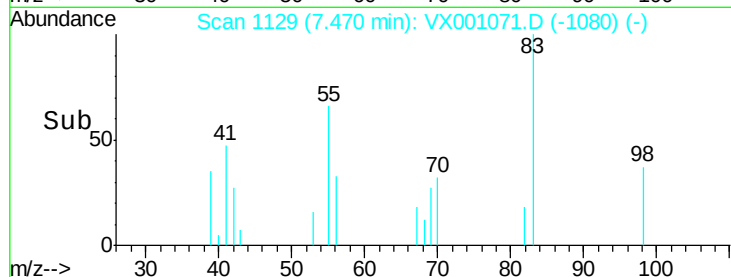
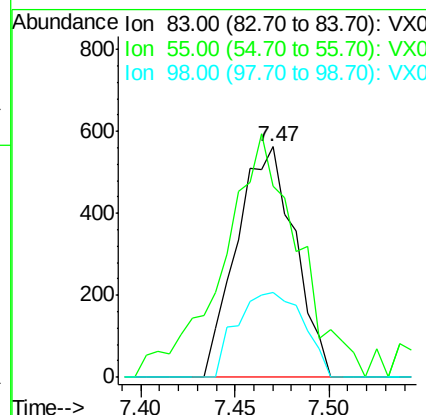
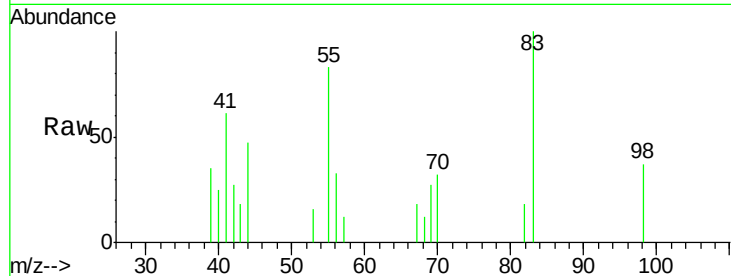




#39
Methylvlcyclohexane
Concen: 0.31 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX001071.D
Acq: 23 Apr 2018 20:35

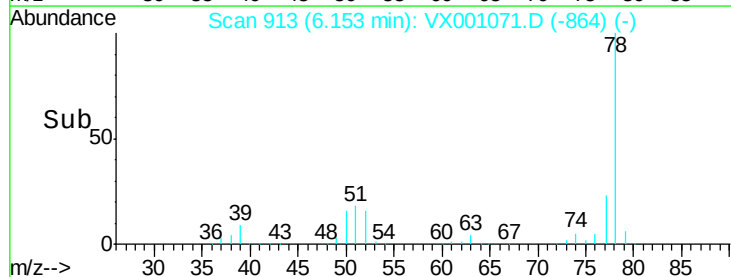
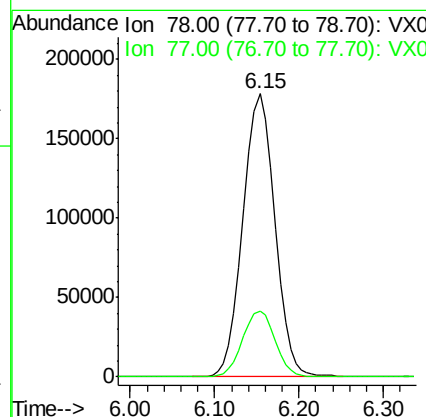
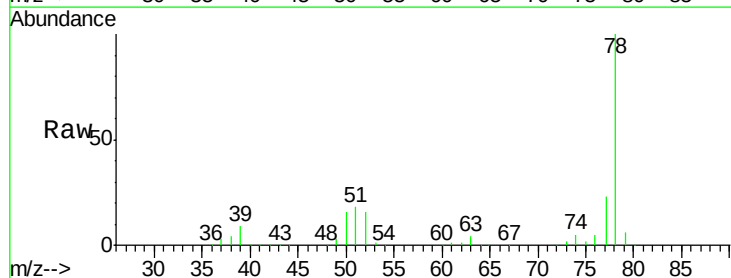
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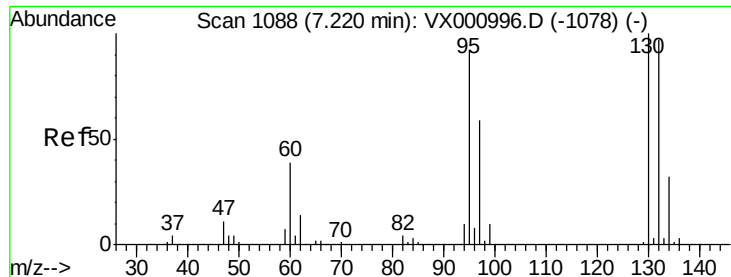
Tot Ion: 83 Resp: 1200
Ion Ratio Lower Upper
83 100
55 67.6 60.6 91.0
98 37.0 38.2 57.4#



#40
Benzene
Concen: 49.79 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX001071.D
Acq: 23 Apr 2018 20:35

Tgt Ion: 78 Resp: 459207
Ion Ratio Lower Upper
78 100
77 23.4 18.9 28.3





#44

Trichloroethene

Concen: 1.62 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001071.D

Acq: 23 Apr 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

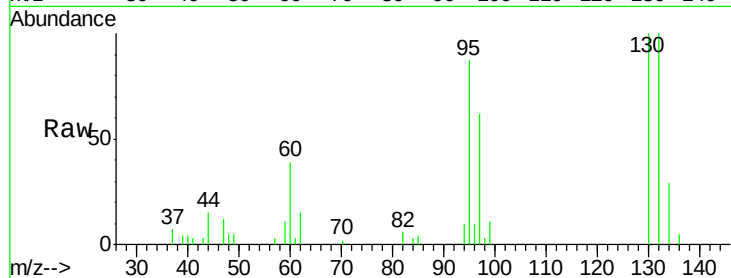
LF015MW047-180418

Tot Ion:130 Resp: 4576

Ion Ratio Lower Upper

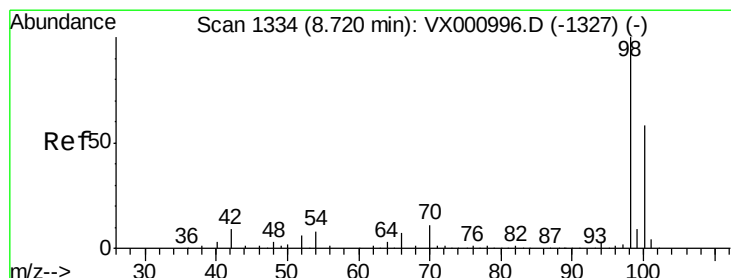
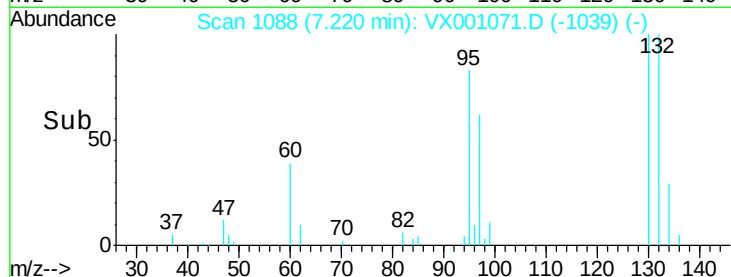
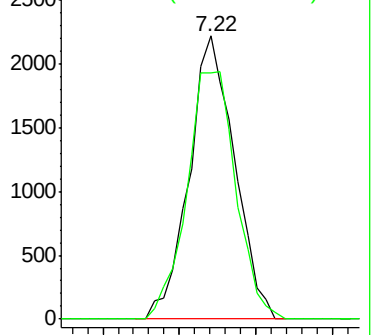
130 100

95 87.0 0.0 184.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.23 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001071.D

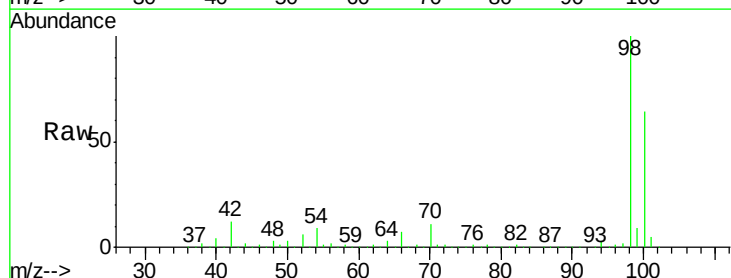
Acq: 23 Apr 2018 20:35

Tgt Ion: 98 Resp: 391902

Ion Ratio Lower Upper

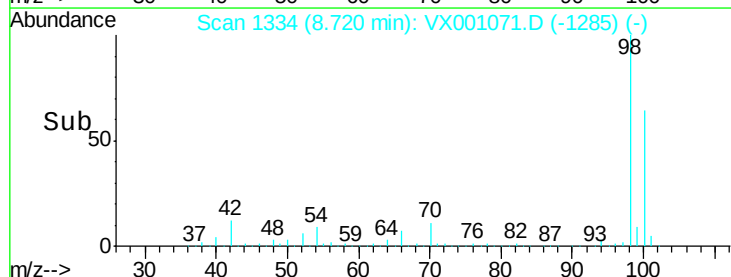
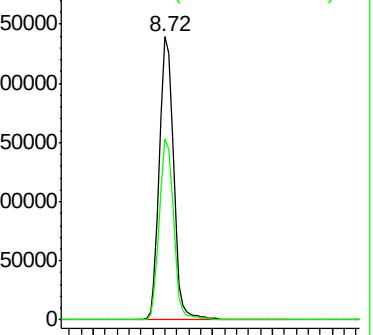
98 100

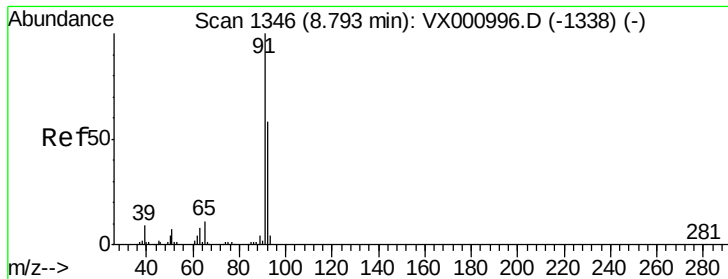
100 64.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 0.35 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX001071.D

Acq: 23 Apr 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

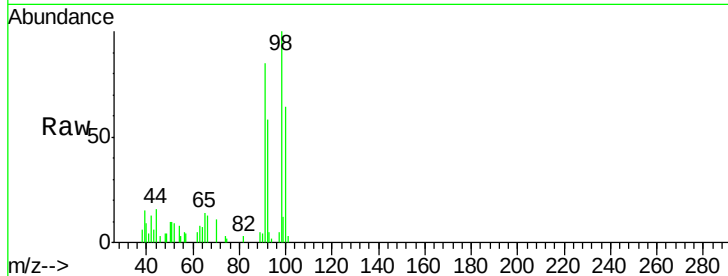
LF015MW047-180418

Tot Ion: 92 Resp: 2114

Ion Ratio Lower Upper

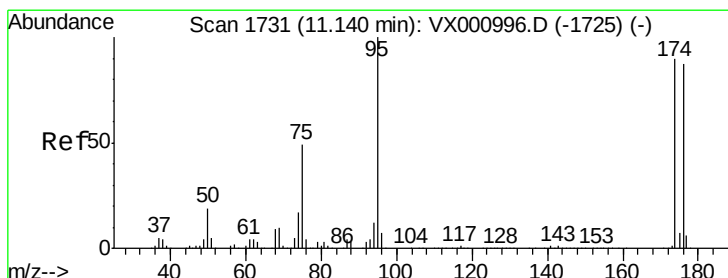
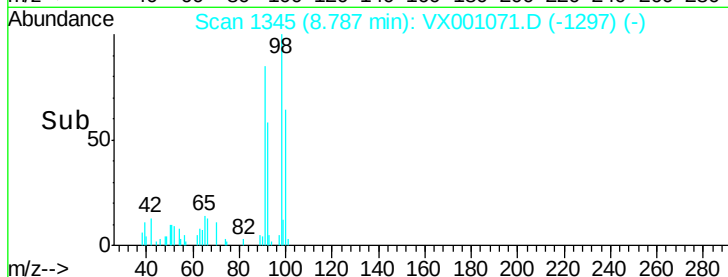
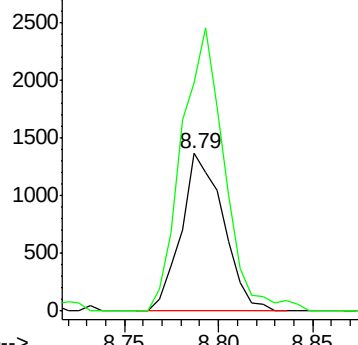
92 100

91 182.7 138.2 207.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 42.79 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001071.D

Acq: 23 Apr 2018 20:35

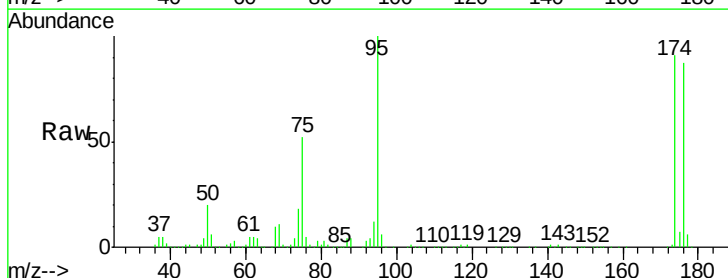
Tgt Ion: 95 Resp: 142968

Ion Ratio Lower Upper

95 100

174 97.8 0.0 198.4

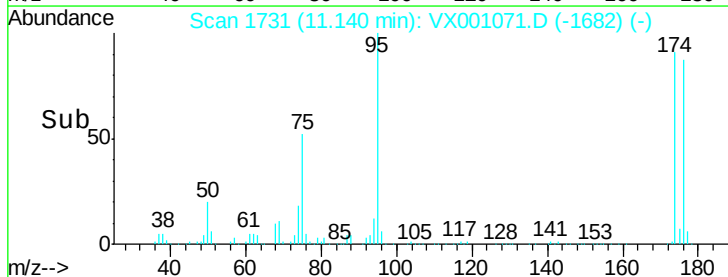
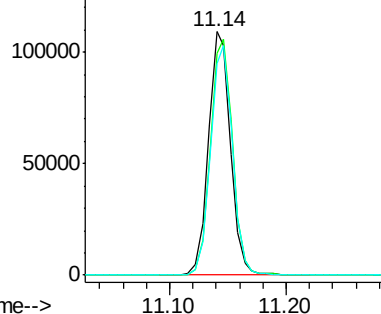
176 94.7 0.0 192.0

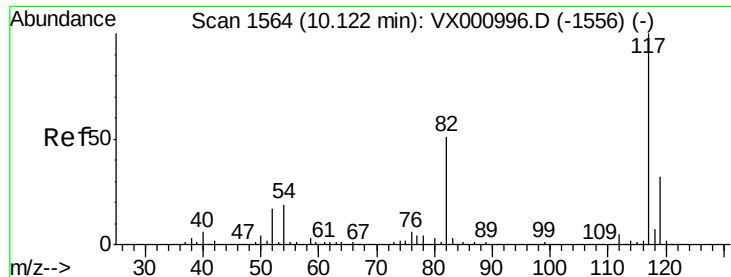


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

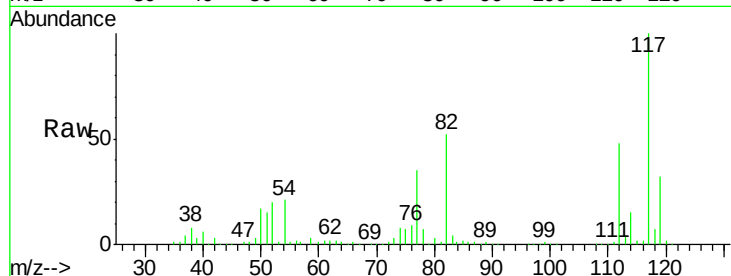




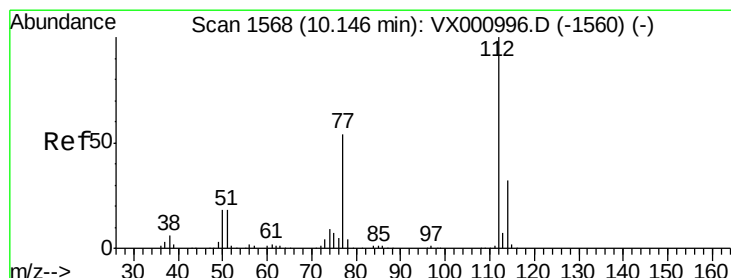
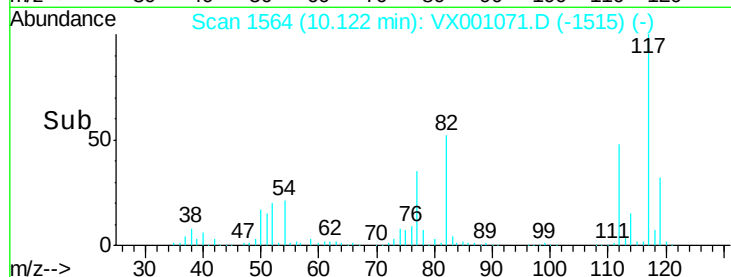
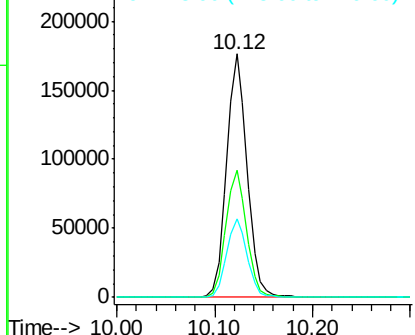
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001071.D
Acq: 23 Apr 2018 20:35

Instrument :
MSVOA_X
ClientSampleId :
LF015MW047-180418

Tot Ion:117 Resp: 256845
Ion Ratio Lower Upper
117 100
82 52.1 40.6 60.8
119 32.0 26.0 39.0

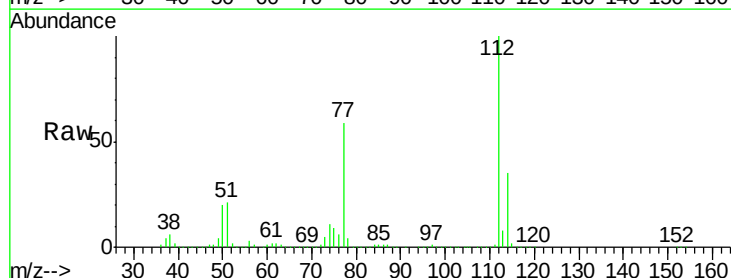


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

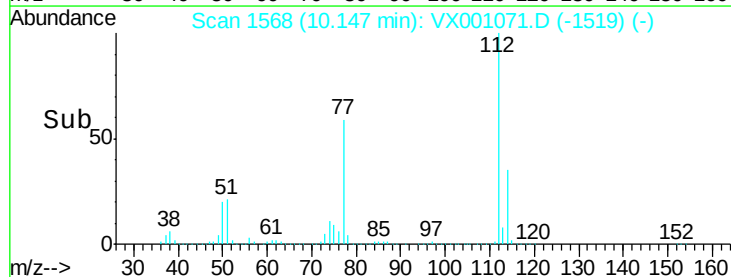
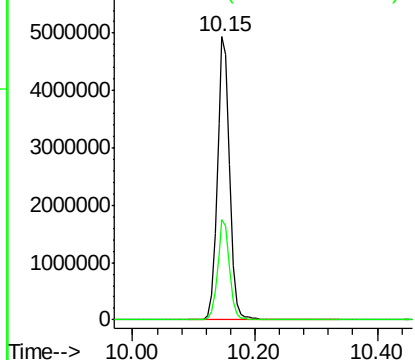


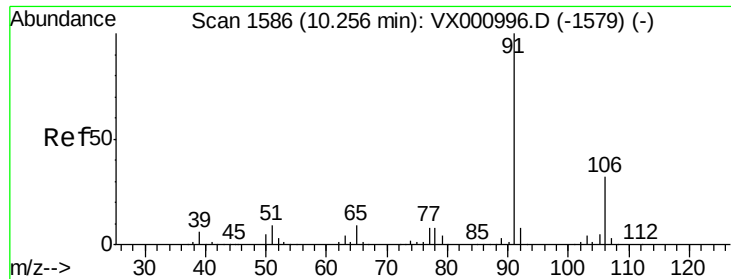
#65
Chlorobenzene
Concen: 1033.09 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001071.D
Acq: 23 Apr 2018 20:35

Tgt Ion:112 Resp: 7065386
Ion Ratio Lower Upper
112 100
114 35.4 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

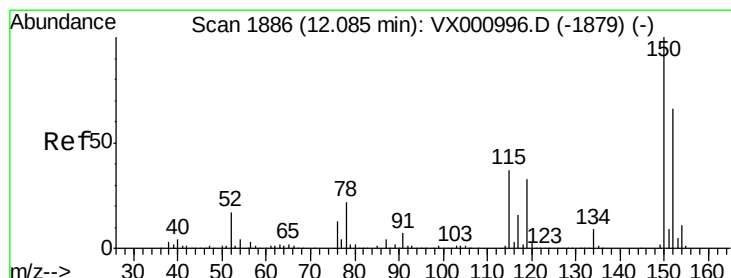
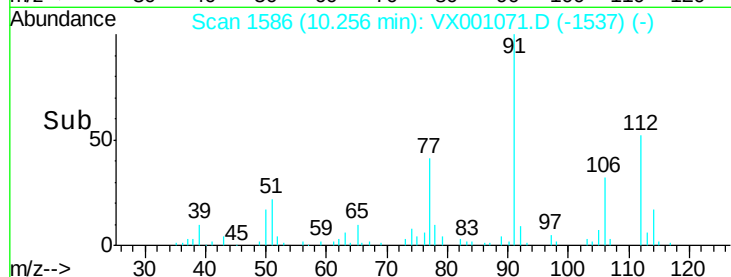
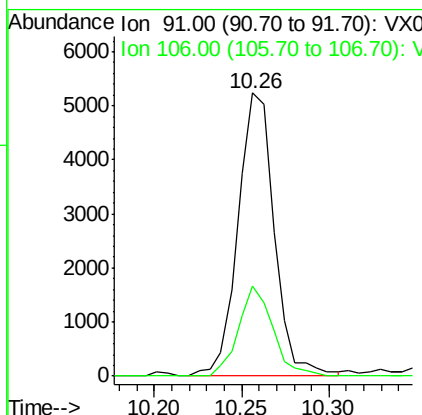
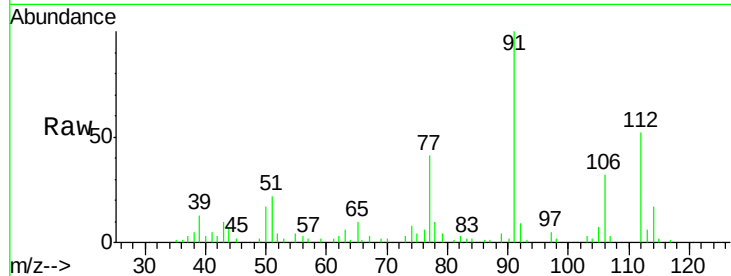




#67
Ethyl Benzene
Concen: 0.67 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001071.D
Acq: 23 Apr 2018 20:35

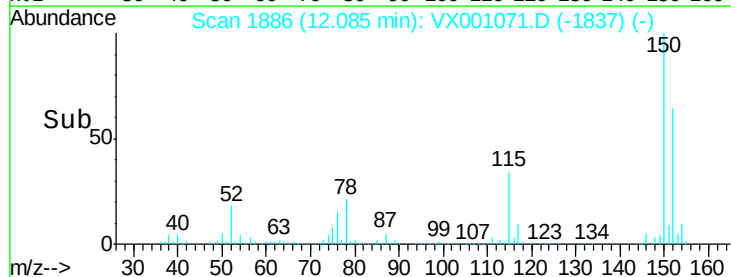
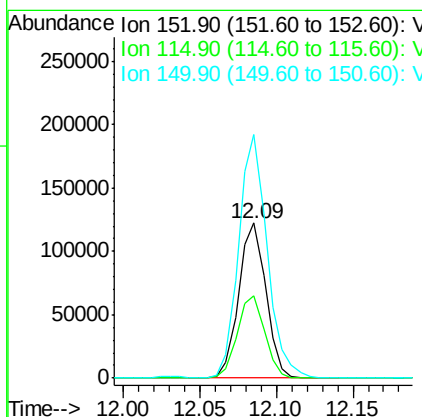
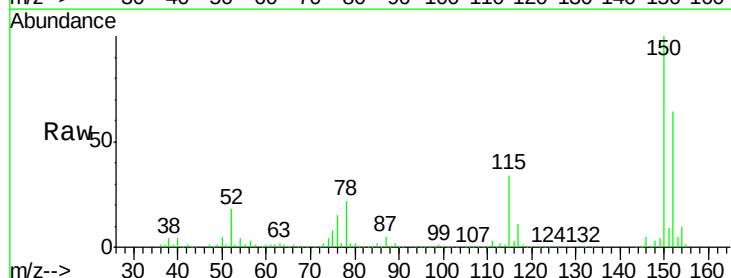
Instrument :
MSVOA_X
ClientSampleId :
LF015MW047-180418

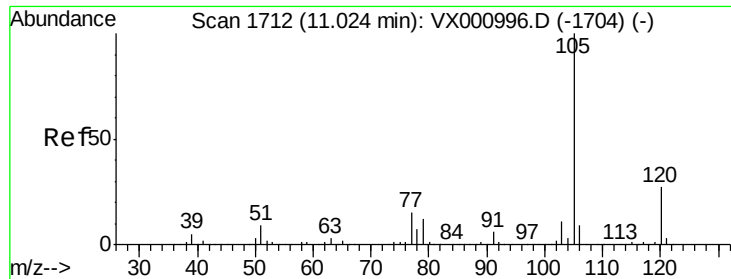
Tot Ion: 91 Resp: 7593
Ion Ratio Lower Upper
91 100
106 31.8 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001071.D
Acq: 23 Apr 2018 20:35

Tgt Ion: 152 Resp: 150747
Ion Ratio Lower Upper
152 100
115 53.8 38.2 114.6
150 164.5 0.0 350.4





#73

Isopropylbenzene

Concen: 1.18 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001071.D

Acq: 23 Apr 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

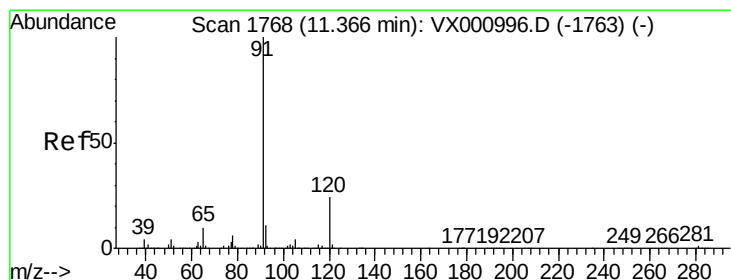
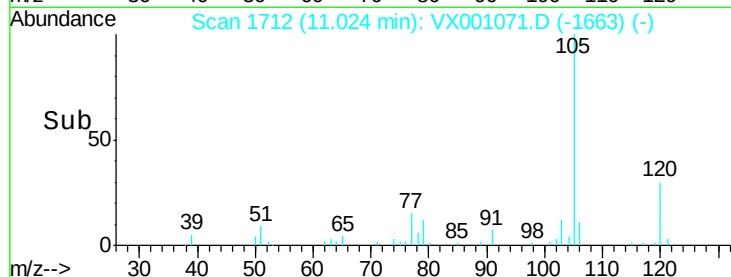
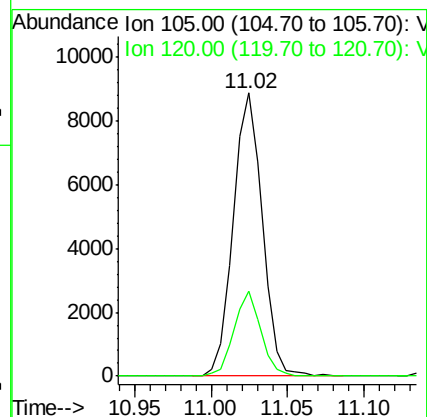
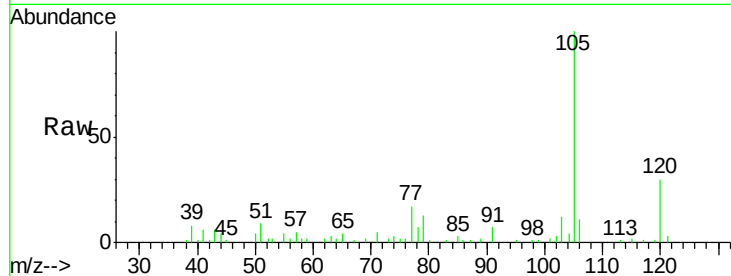
LF015MW047-180418

Tot Ion: 105 Resp: 11666

Ion Ratio Lower Upper

105 100

120 27.6 13.4 40.2



#78

n-propylbenzene

Concen: 0.23 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001071.D

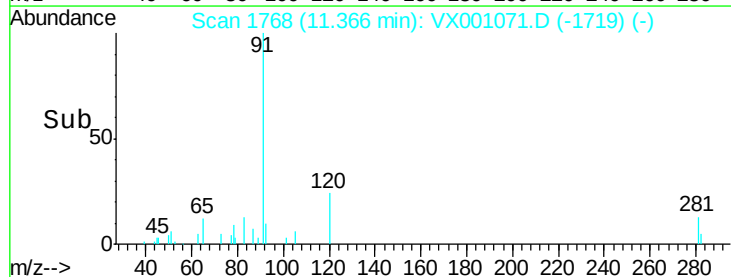
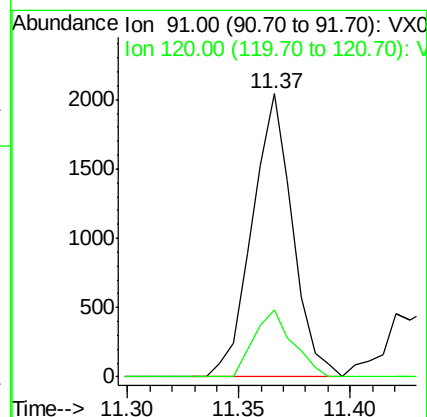
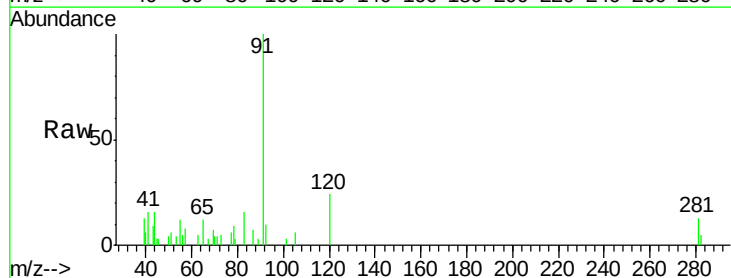
Acq: 23 Apr 2018 20:35

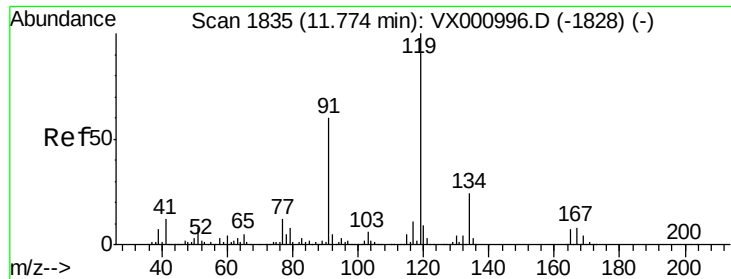
Tgt Ion: 91 Resp: 2579

Ion Ratio Lower Upper

91 100

120 22.6 12.4 37.0

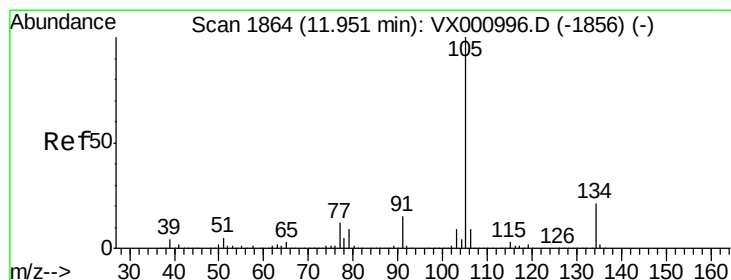
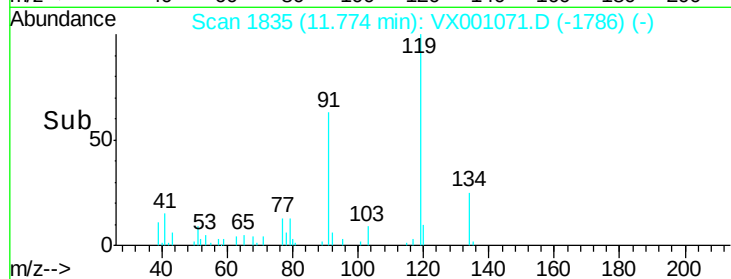
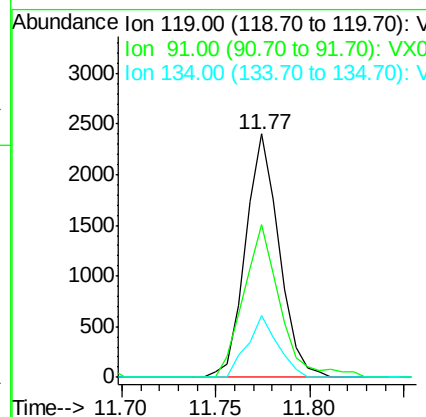
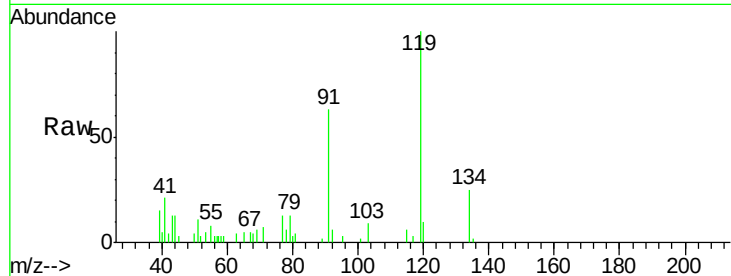




#83
tert-Butylbenzene
Concen: 0.35 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX001071.D
Acq: 23 Apr 2018 20:35

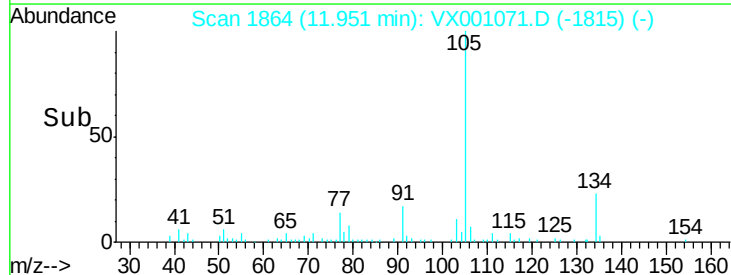
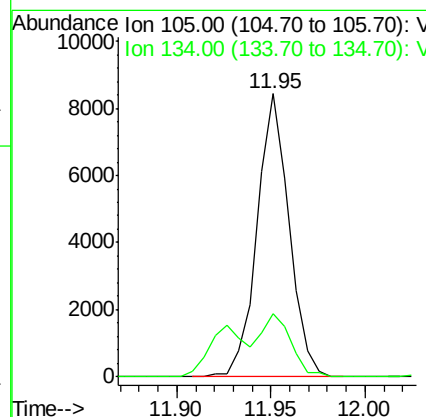
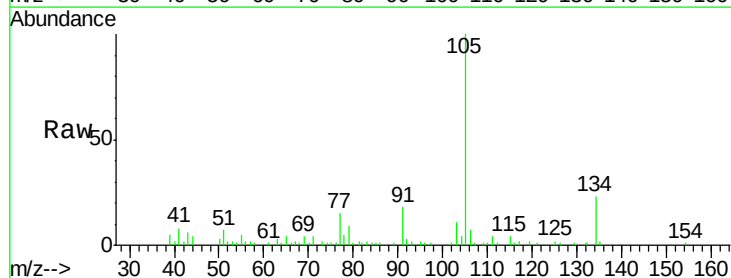
Instrument :
MSVOA_X
ClientSampleId :
LF015MW047-180418

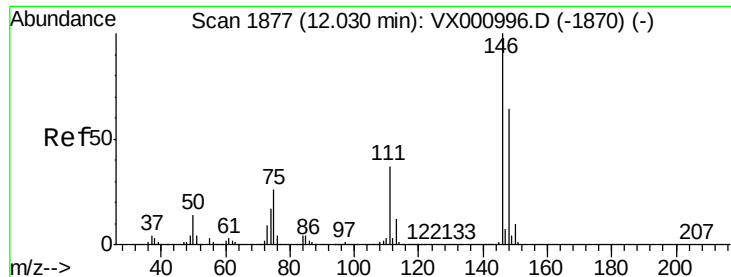
Tot Ion:119 Resp: 2967
Ion Ratio Lower Upper
119 100
91 68.4 27.0 81.0
134 23.1 11.6 34.7



#85
sec-Butylbenzene
Concen: 0.98 ug/l
RT: 11.95 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VX001071.D
Acq: 23 Apr 2018 20:35

Tgt Ion:105 Resp: 9905
Ion Ratio Lower Upper
105 100
134 20.9 10.5 31.6





#87

1,3-Dichlorobenzene

Concen: 3.51 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001071.D

Acq: 23 Apr 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

LF015MW047-180418

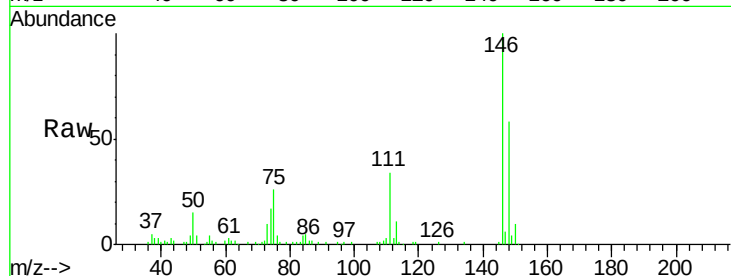
Tot Ion:146 Resp: 18813

Ion Ratio Lower Upper

146 100

111 37.5 18.3 54.8

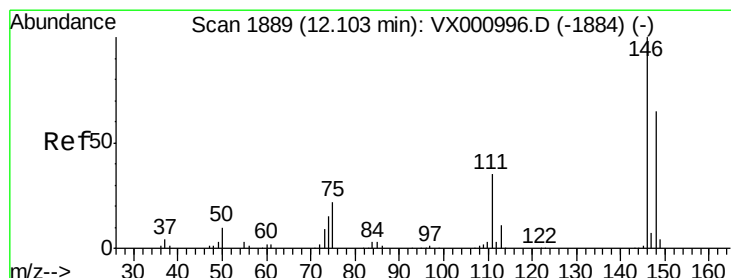
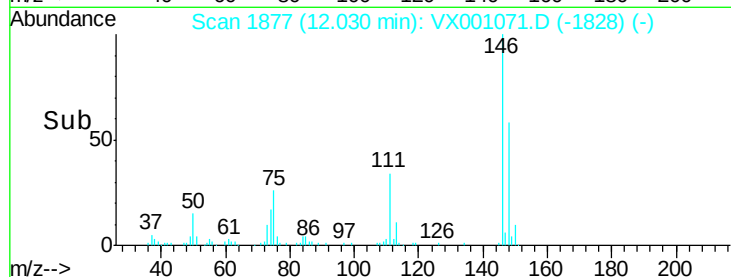
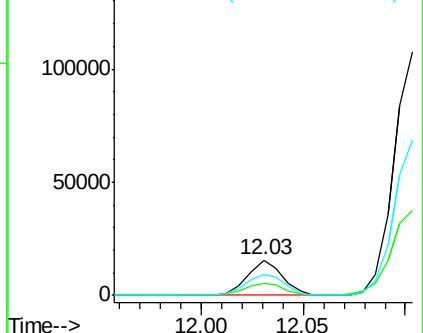
148 64.0 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 23.34 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX001071.D

Acq: 23 Apr 2018 20:35

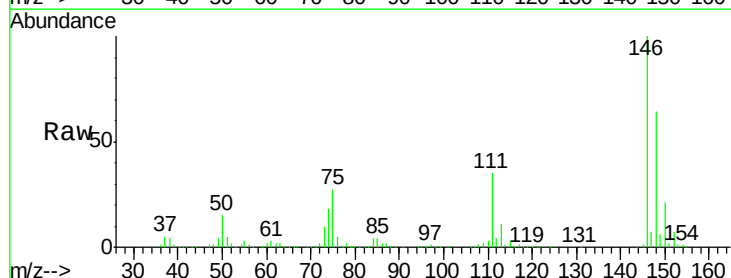
Tgt Ion:146 Resp: 128291

Ion Ratio Lower Upper

146 100

111 36.9 18.0 54.0

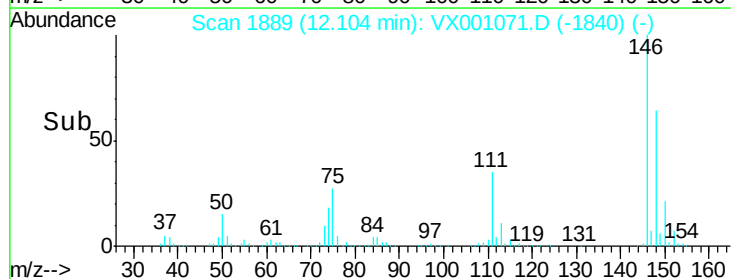
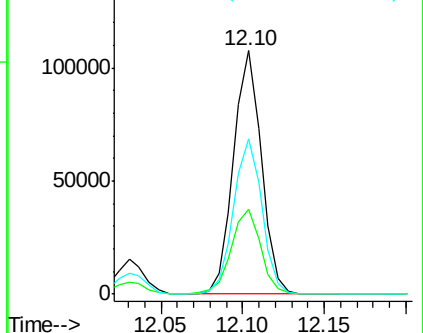
148 64.8 32.4 97.0

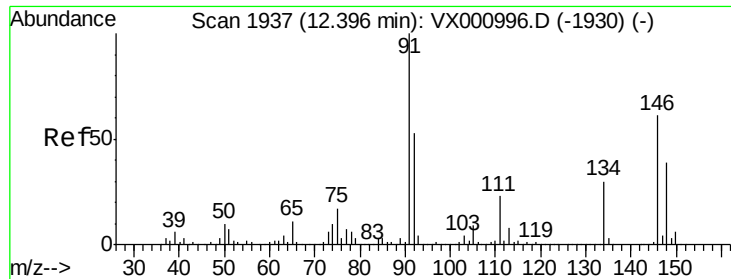


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dichlorobenzene

Concen: 69.01 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001071.D

Acq: 23 Apr 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

LF015MW047-180418

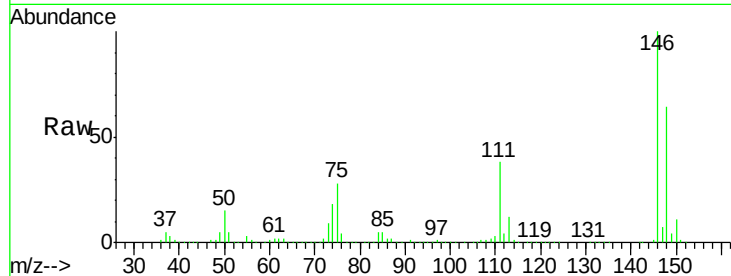
Tot Ion:146 Resp: 357803

Ion Ratio Lower Upper

146 100

111 38.1 18.6 56.0

148 64.3 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

