

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042718\
 Data File : VX001199.D
 Acq On : 28 Apr 2018 04:24
 Operator : JC/MD
 Sample : J2464-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW047-180418

Quant Time: Apr 28 06:00:23 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:51:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	200651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	279580	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	256538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	149108	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	153591	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
35) Dibromofluoromethane	5.51	113	120184	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
50) Toluene-d8	8.72	98	459206	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
62) 4-Bromofluorobenzene	11.14	95	166590	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	

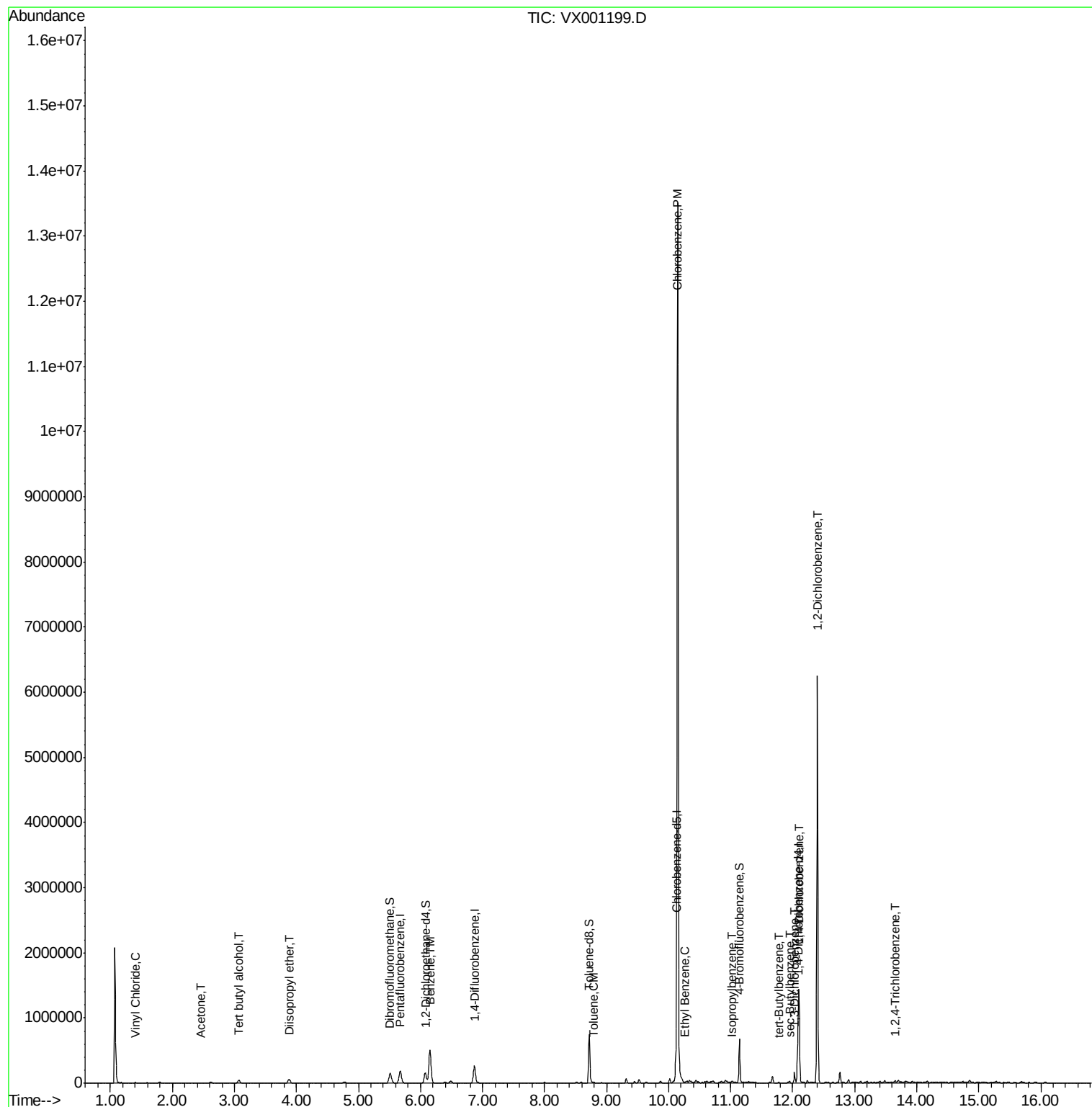
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	2081	0.89	ug/l	99
11) Tert butyl alcohol	3.07	59	54516	88.88	ug/l	98
16) Acetone	2.45	43	3621	2.83	ug/l	99
22) Diisopropyl ether	3.88	45	62797	8.48	ug/l	97
40) Benzene	6.15	78	600395	67.37	ug/l	100
52) Toluene	8.79	92	3880	0.67	ug/l	91
65) Chlorobenzene	10.15	112	5790968	861.60	ug/l	96
67) Ethyl Benzene	10.26	91	3230	0.30	ug/l	92
73) Isopropylbenzene	11.02	105	10287	1.06	ug/l	100
83) tert-Butylbenzene	11.77	119	2751	0.34	ug/l	92
85) sec-Butylbenzene	11.95	105	9069	0.95	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	55579	10.74	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	460028	85.34	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	2050451	392.10	ug/l	100
93) 1,2,4-Trichlorobenzene	13.65	180	6117	1.49	ug/l #	87

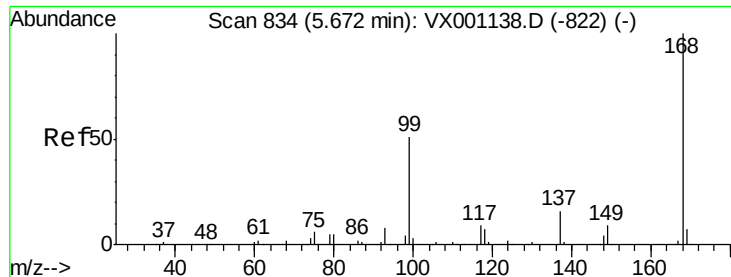
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001199.D

Acq: 28 Apr 2018 04:24

Instrument :

MSVOA_X

ClientSampleId :

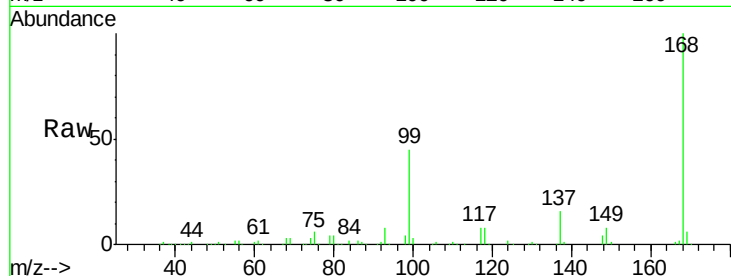
LF015MW047-180418

Tot Ion:168 Resp: 200651

Ion Ratio Lower Upper

168 100

99 44.6 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

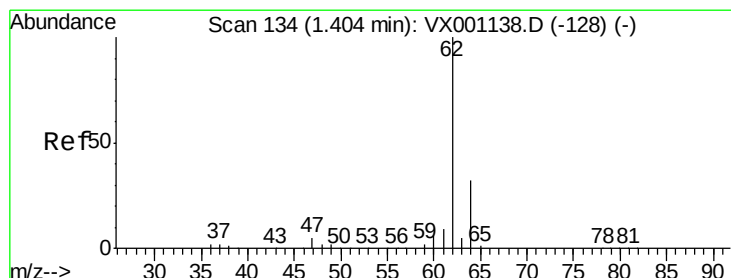
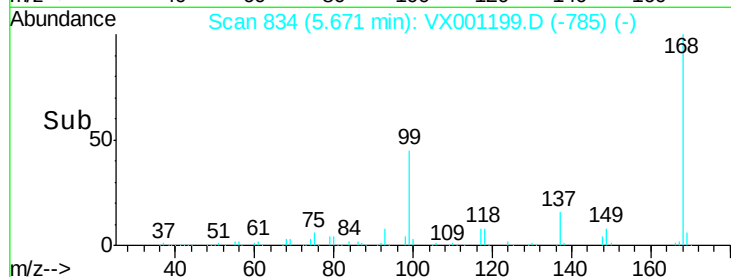
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.89 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001199.D

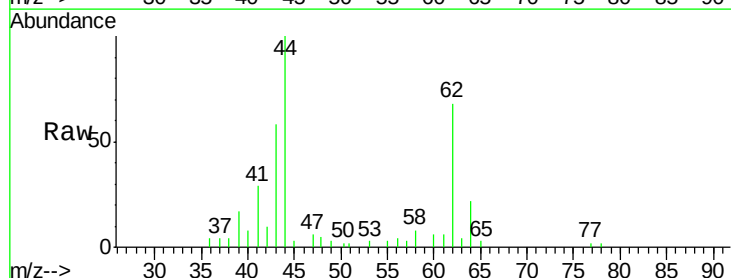
Acq: 28 Apr 2018 04:24

Tgt Ion: 62 Resp: 2081

Ion Ratio Lower Upper

62 100

64 32.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

2000

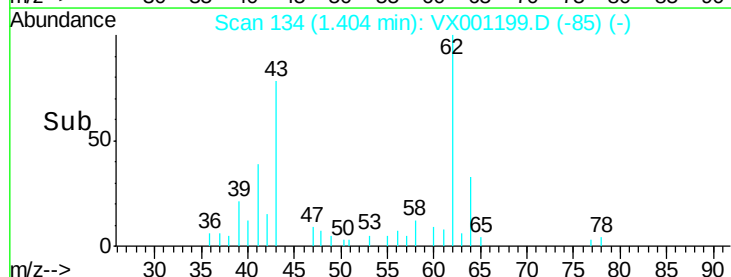
1500

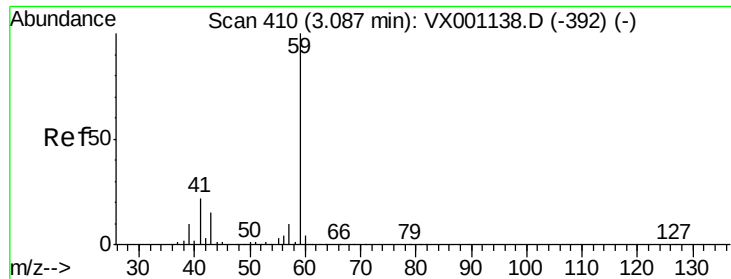
1000

500

0

Time--> 1.35 1.40 1.45



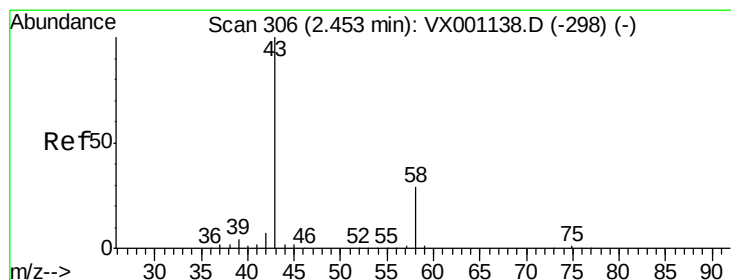
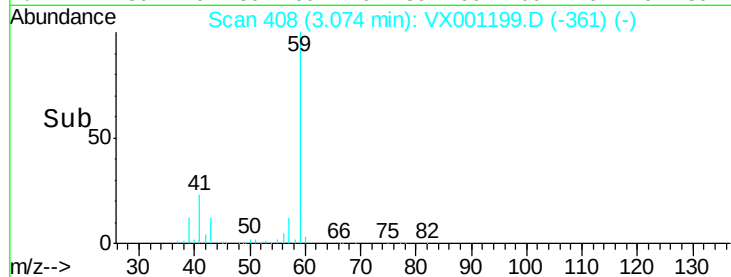
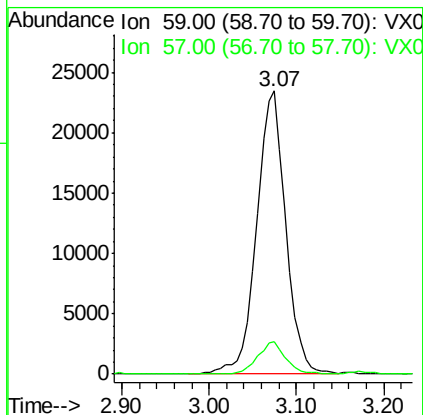
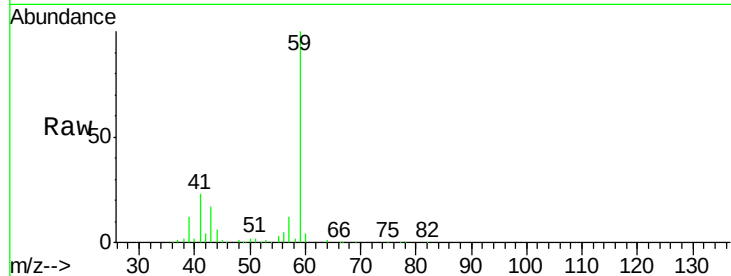


#11

Tert butyl alcohol
 Concen: 88.88 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX001199.D
 Acq: 28 Apr 2018 04:24

Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW047-180418

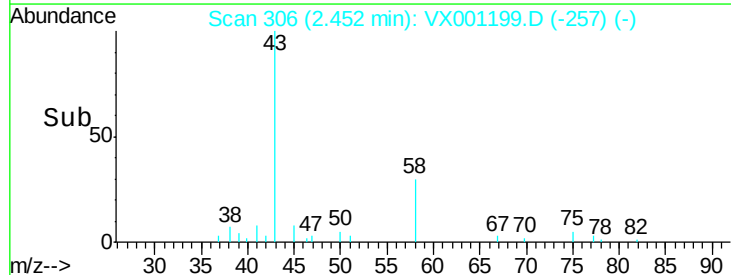
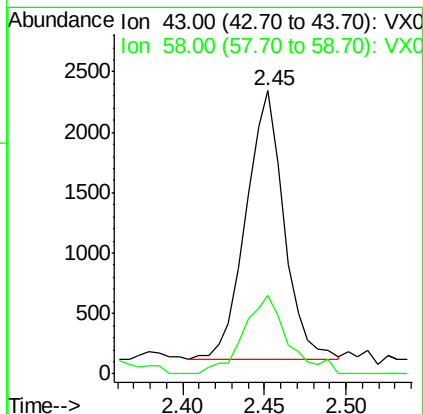
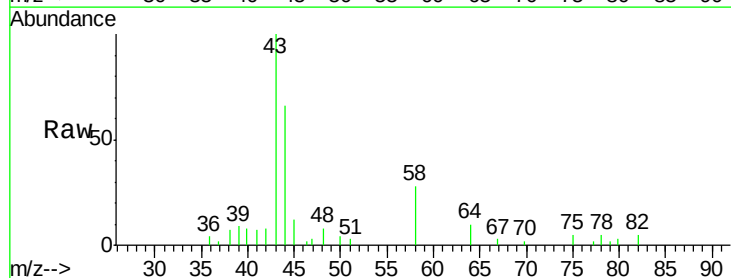
Tot Ion: 59 Resp: 54516
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.2 12.4

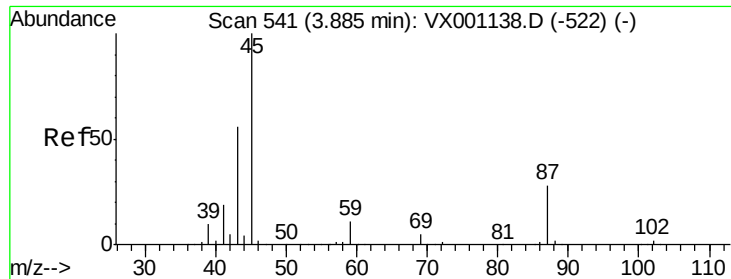


#16

Acetone
 Concen: 2.83 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. -0.00 min
 Lab File: VX001199.D
 Acq: 28 Apr 2018 04:24

Tgt Ion: 43 Resp: 3621
 Ion Ratio Lower Upper
 43 100
 58 29.3 23.0 34.6





#22

Diisopropyl ether

Concen: 8.48 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.01 min

Lab File: VX001199.D

Acq: 28 Apr 2018 04:24

Instrument :

MSVOA_X

ClientSampleId :

LF015MW047-180418

Tot Ion: 45 Resp: 62797

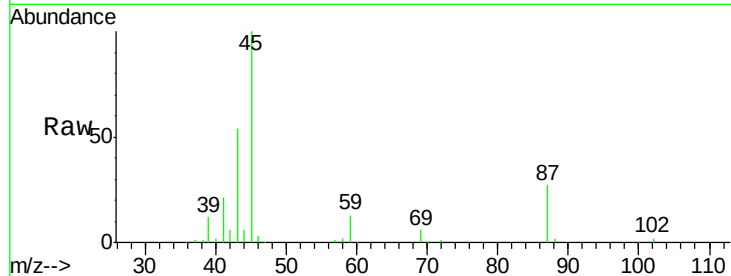
Ion Ratio Lower Upper

45 100

43 53.7 45.0 67.4

87 27.1 22.8 34.2

59 12.6 9.0 13.6

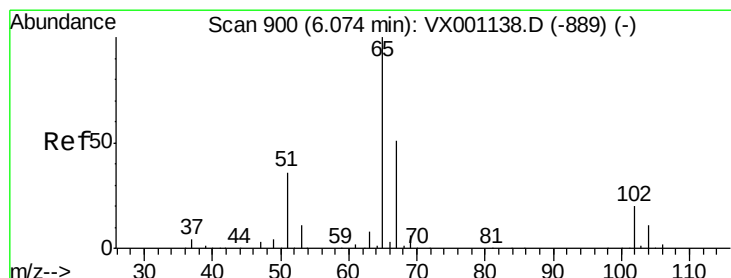
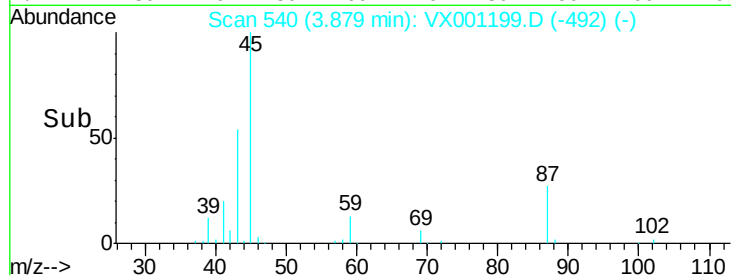
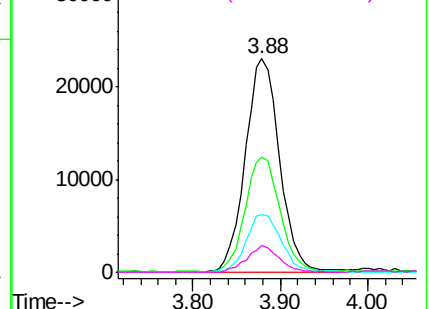


Abundance Ion 45.00 (44.70 to 45.70): VX0

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



#33

1,2-Dichloroethane-d4

Concen: 49.38 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001199.D

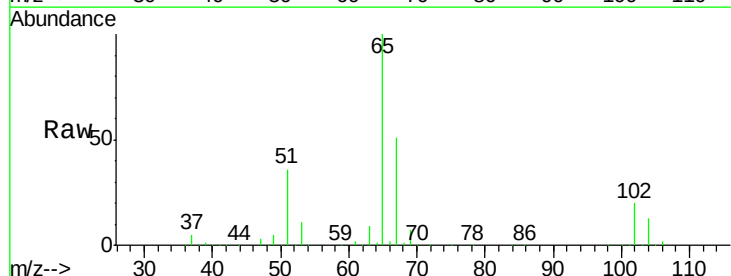
Acq: 28 Apr 2018 04:24

Tgt Ion: 65 Resp: 153591

Ion Ratio Lower Upper

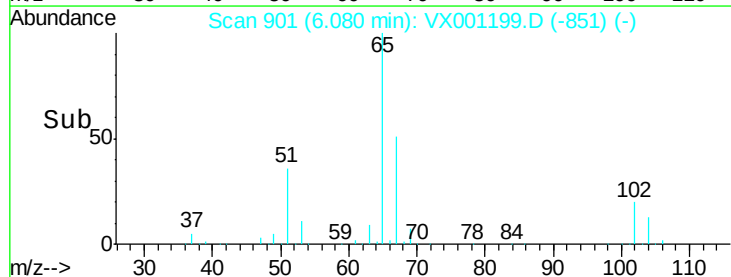
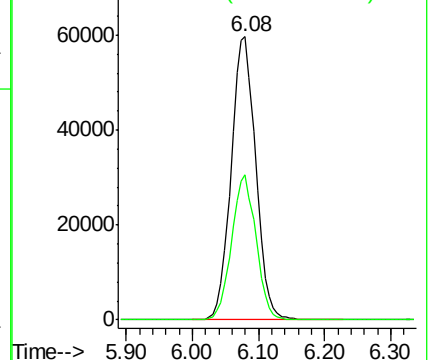
65 100

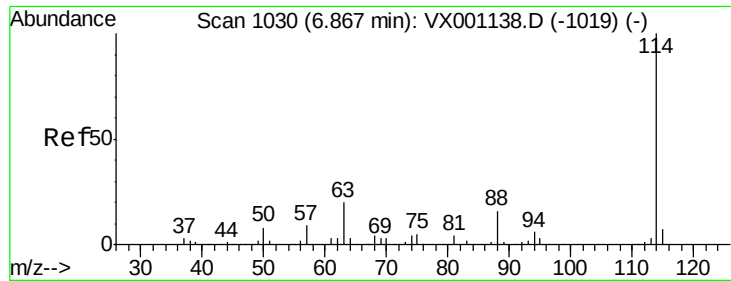
67 50.8 0.0 102.2



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: VX001199.D

Acq: 28 Apr 2018 04:24

Instrument :

MSVOA_X

ClientSampleId :

LF015MW047-180418

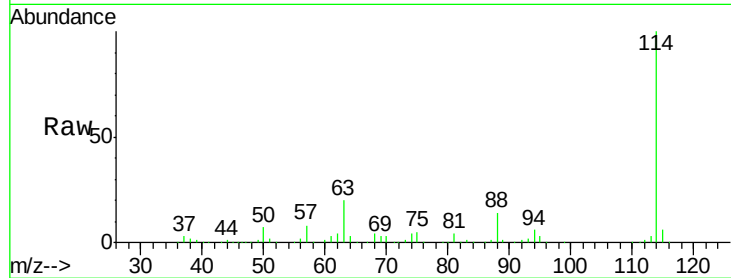
Tot Ion:114 Resp: 279580

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.4

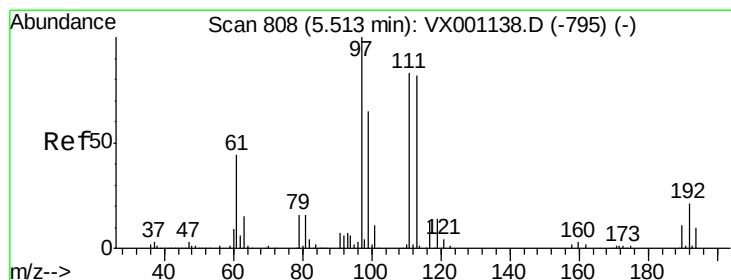
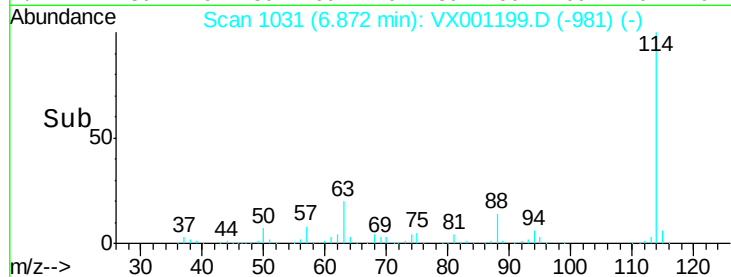
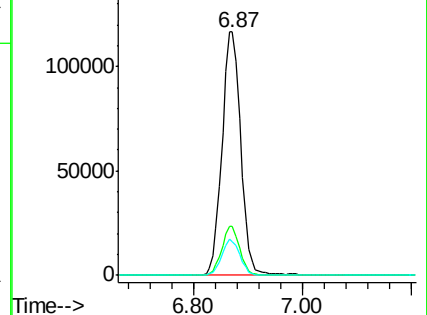
88 14.1 0.0 31.8



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: 51.94 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001199.D

Acq: 28 Apr 2018 04:24

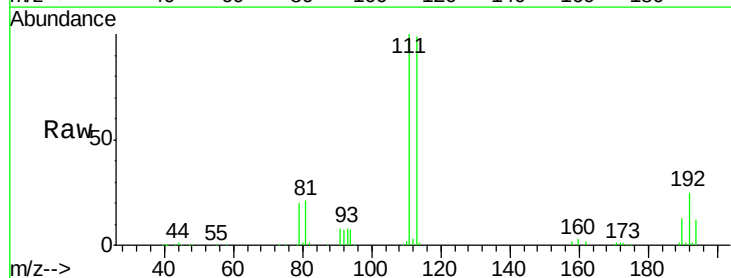
Tgt Ion:113 Resp: 120184

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

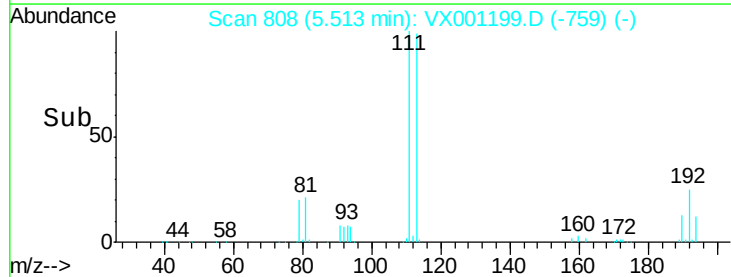
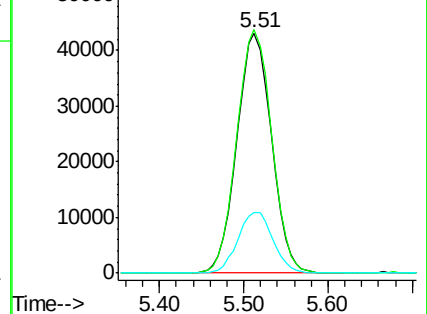
192 25.8 20.6 30.8

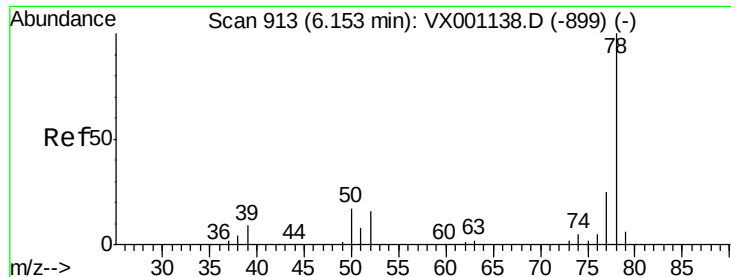


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

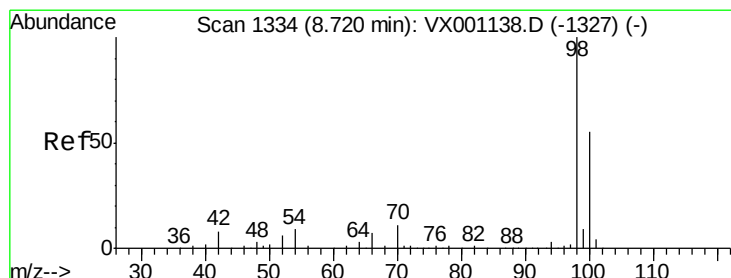
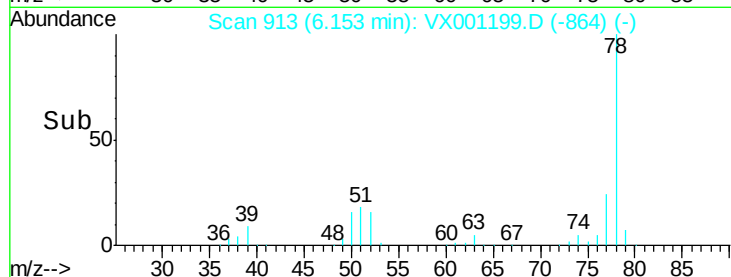
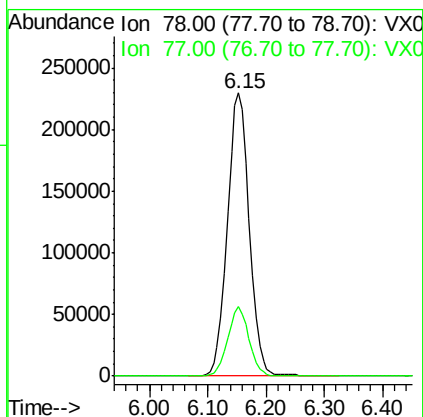
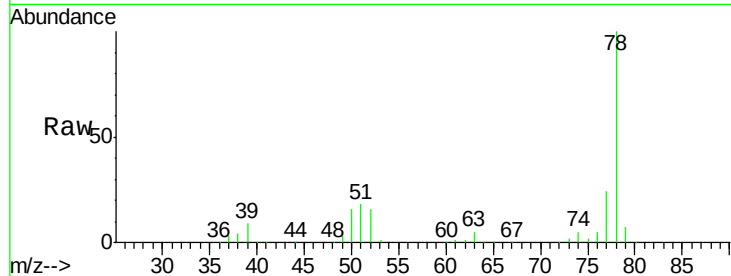




#40
Benzene
Concen: 67.37 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX001199.D
Acq: 28 Apr 2018 04:24

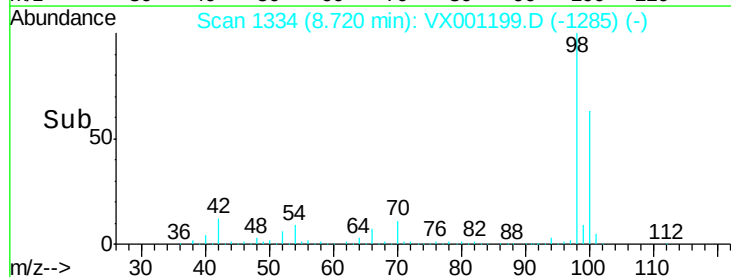
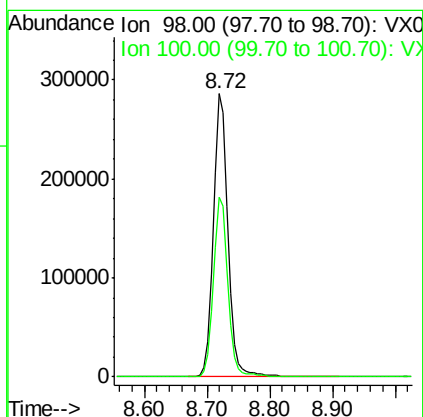
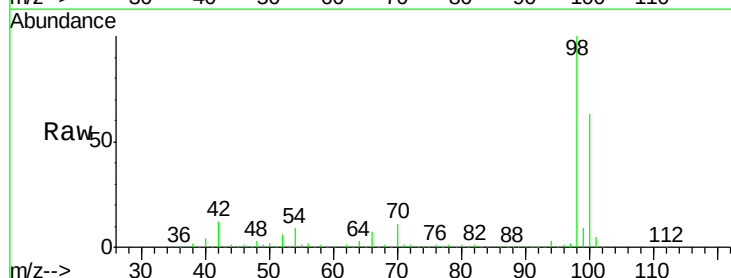
Instrument :
MSVOA_X
ClientSampleId :
LF015MW047-180418

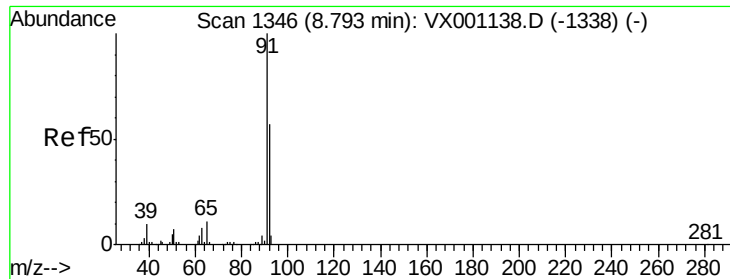
Tot Ion: 78 Resp: 600395
Ion Ratio Lower Upper
78 100
77 24.4 19.7 29.5



#50
Toluene-d8
Concen: 52.58 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001199.D
Acq: 28 Apr 2018 04:24

Tgt Ion: 98 Resp: 459206
Ion Ratio Lower Upper
98 100
100 63.5 51.8 77.6





#52

Toluene

Concen: 0.67 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX001199.D

Acq: 28 Apr 2018 04:24

Instrument :

MSVOA_X

ClientSampleId :

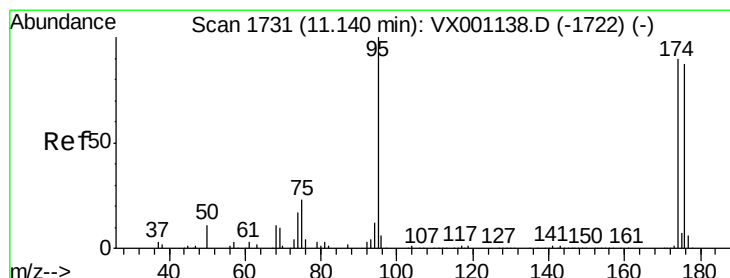
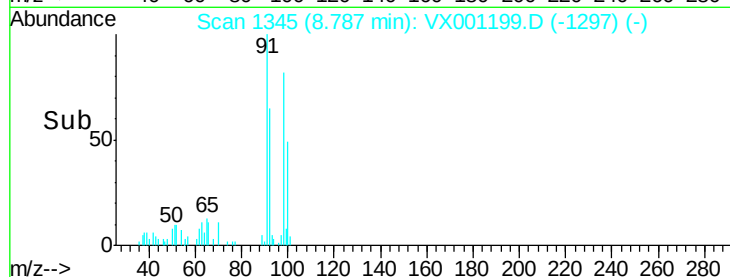
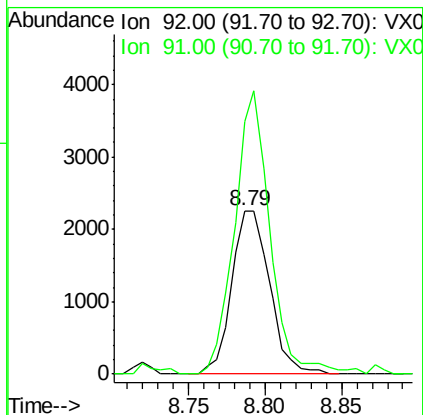
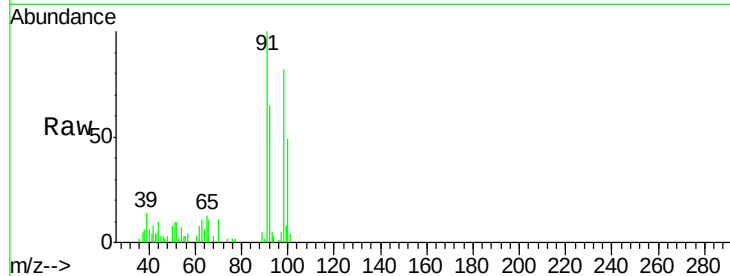
LF015MW047-180418

Tot Ion: 92 Resp: 3880

Ion Ratio Lower Upper

92 100

91 161.5 139.8 209.6



#62

4-Bromofluorobenzene

Concen: 48.83 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001199.D

Acq: 28 Apr 2018 04:24

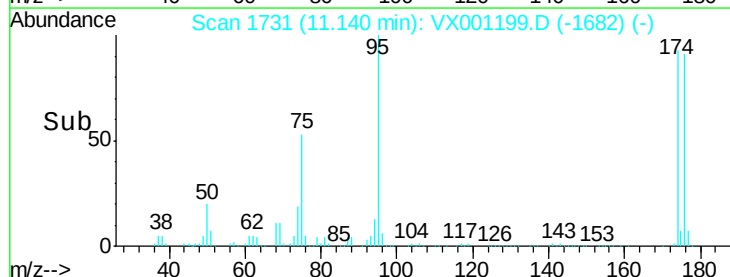
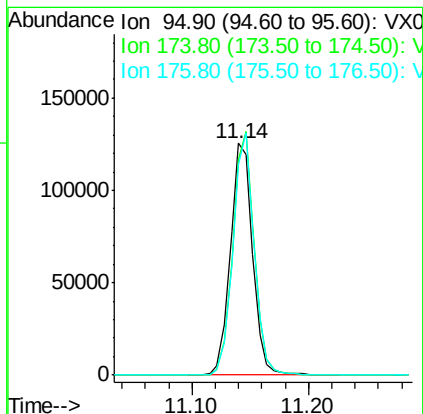
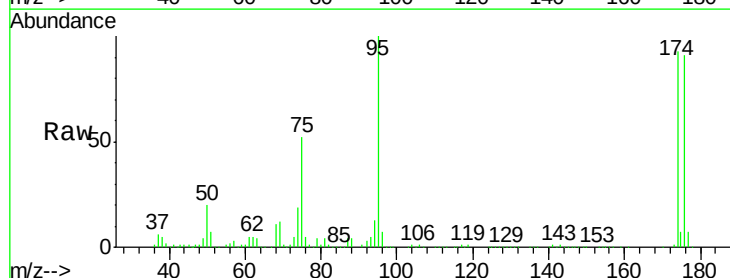
Tgt Ion: 95 Resp: 166590

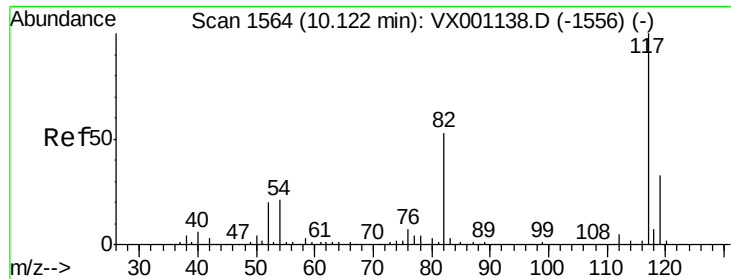
Ion Ratio Lower Upper

95 100

174 100.9 0.0 194.4

176 99.6 0.0 190.2

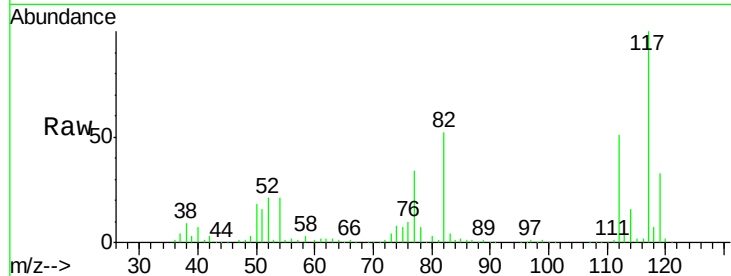




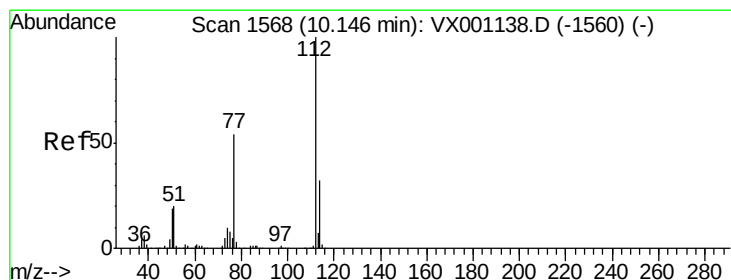
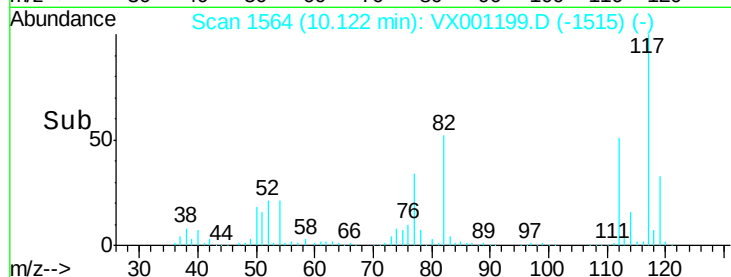
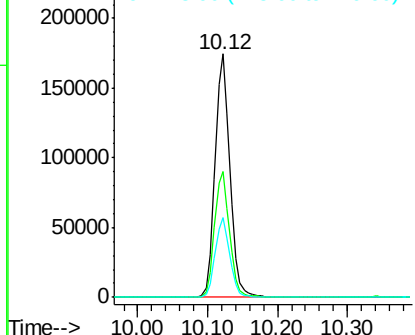
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001199.D
Acq: 28 Apr 2018 04:24

Instrument :
MSVOA_X
ClientSampleId :
LF015MW047-180418

Tot Ion:117 Resp: 256538
Ion Ratio Lower Upper
117 100
82 51.7 42.1 63.1
119 32.9 26.1 39.1

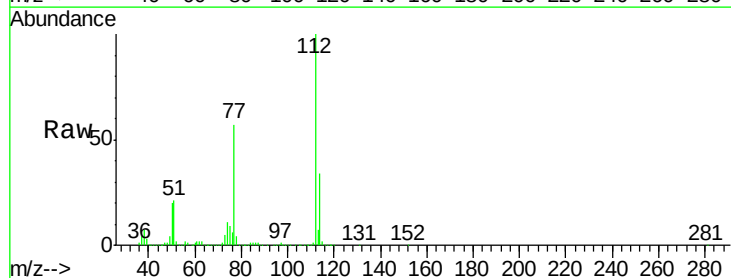


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

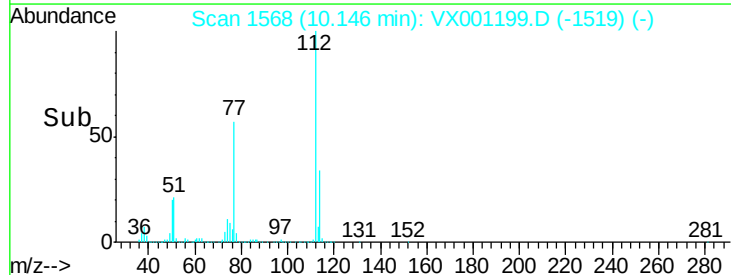
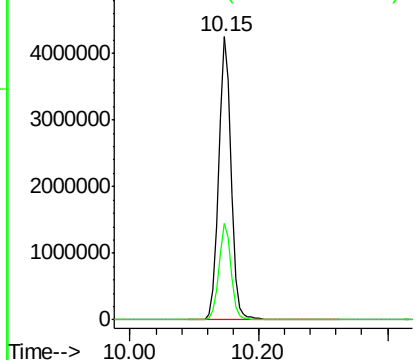


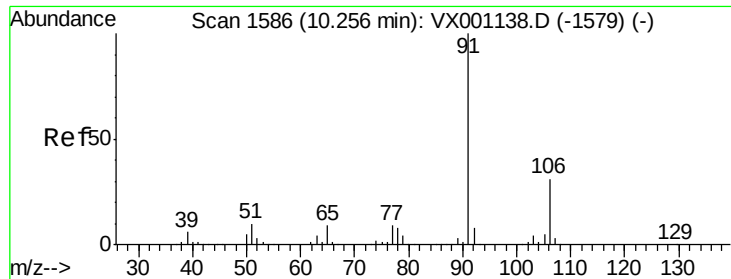
#65
Chlorobenzene
Concen: 861.60 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001199.D
Acq: 28 Apr 2018 04:24

Tgt Ion:112 Resp: 5790968
Ion Ratio Lower Upper
112 100
114 34.2 25.7 38.5



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

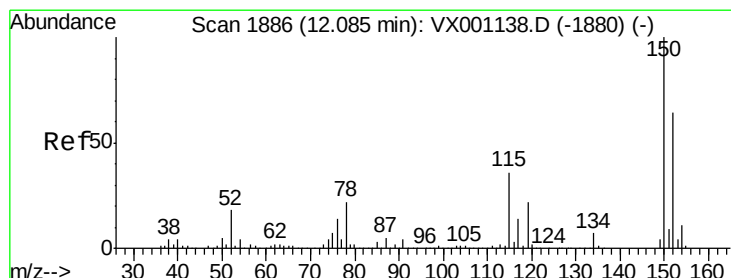
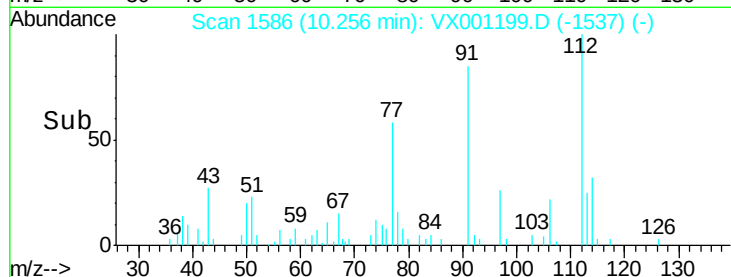
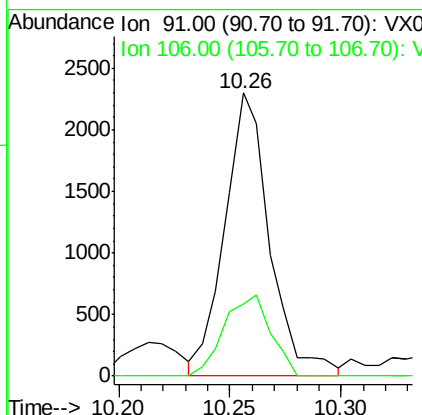
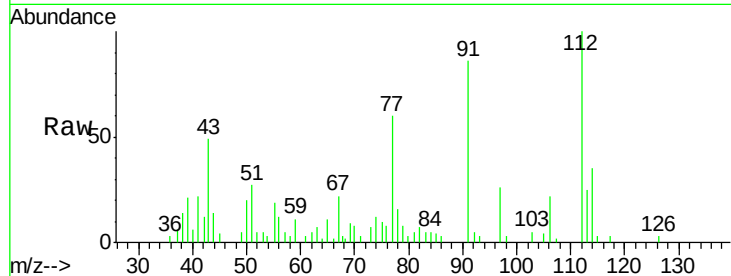




#67
Ethyl Benzene
Concen: 0.30 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX001199.D
Acq: 28 Apr 2018 04:24

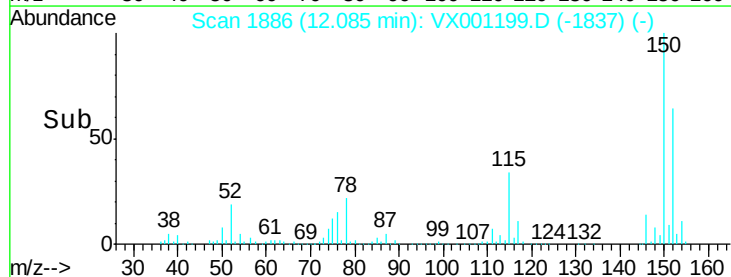
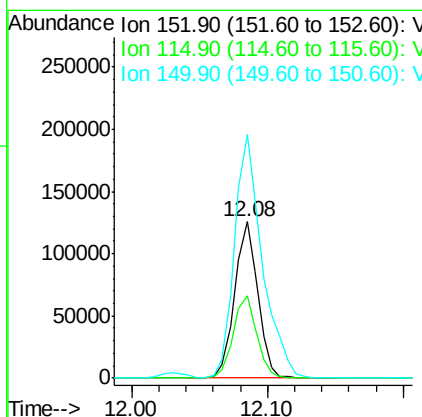
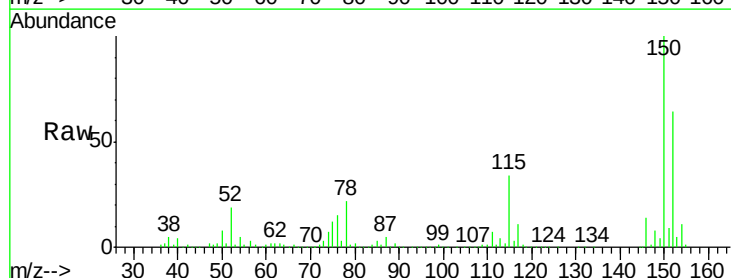
Instrument :
MSVOA_X
ClientSampleId :
LF015MW047-180418

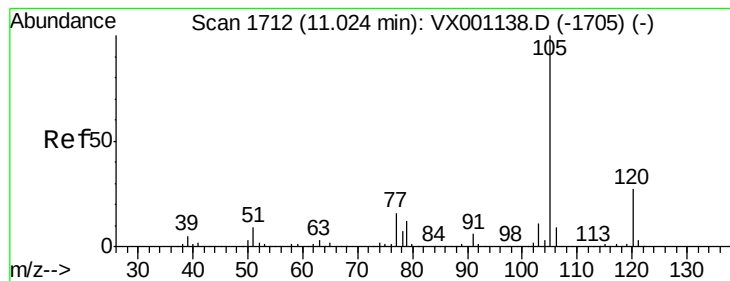
Tot Ion: 91 Resp: 3230
Ion Ratio Lower Upper
91 100
106 26.4 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001199.D
Acq: 28 Apr 2018 04:24

Tgt Ion: 152 Resp: 149108
Ion Ratio Lower Upper
152 100
115 53.4 38.0 114.0
150 186.5 0.0 349.6





#73

Isopropylbenzene

Concen: 1.06 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001199.D

Acq: 28 Apr 2018 04:24

Instrument :

MSVOA_X

ClientSampleId :

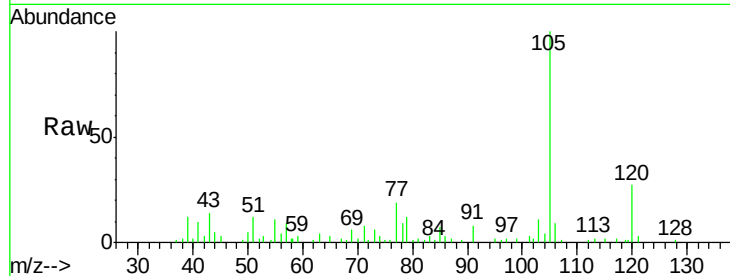
LF015MW047-180418

Tot Ion:105 Resp: 10287

Ion Ratio Lower Upper

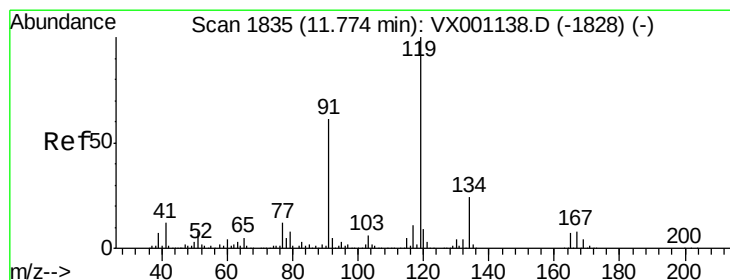
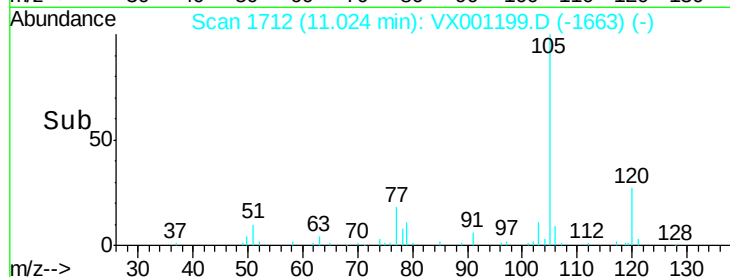
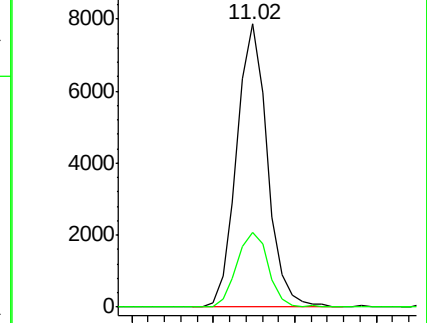
105 100

120 27.1 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#83

tert-Butylbenzene

Concen: 0.34 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX001199.D

Acq: 28 Apr 2018 04:24

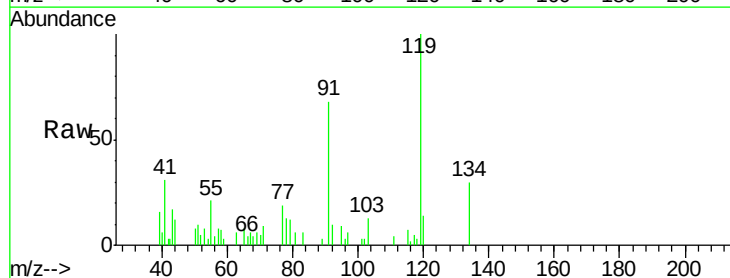
Tgt Ion:119 Resp: 2751

Ion Ratio Lower Upper

119 100

91 62.9 27.6 82.8

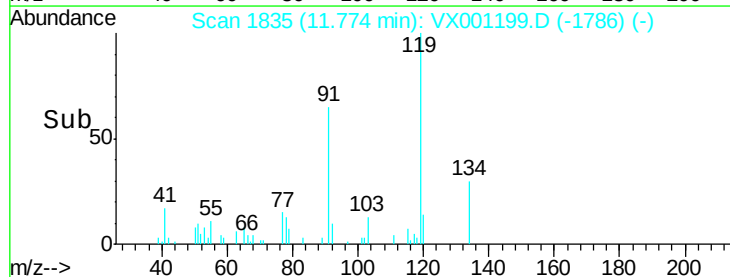
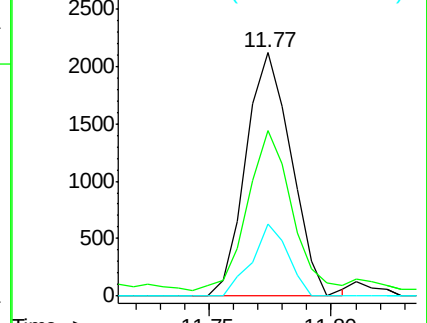
134 23.2 11.5 34.5

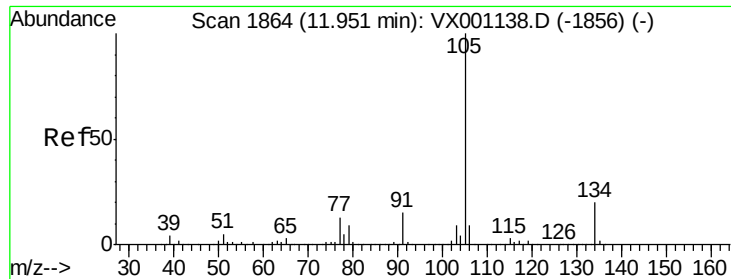


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V





#85

sec-Butylbenzene

Concen: 0.95 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001199.D

Acq: 28 Apr 2018 04:24

Instrument :

MSVOA_X

ClientSampleId :

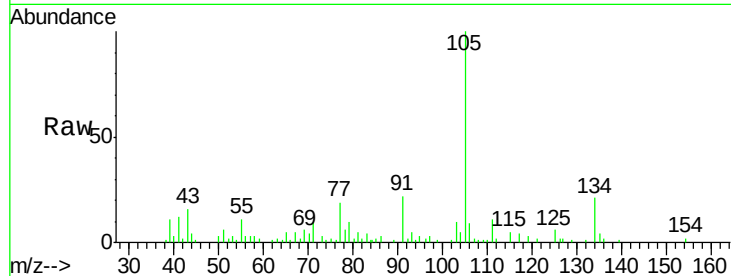
LF015MW047-180418

Tot Ion:105 Resp: 9069

Ion Ratio Lower Upper

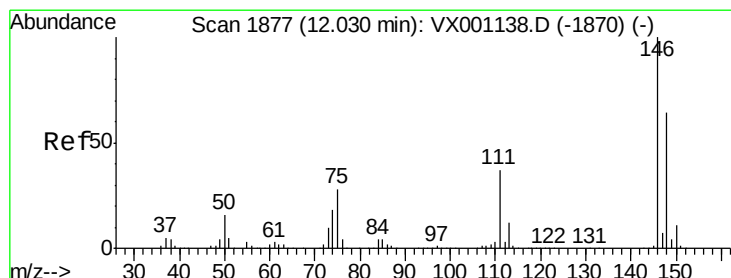
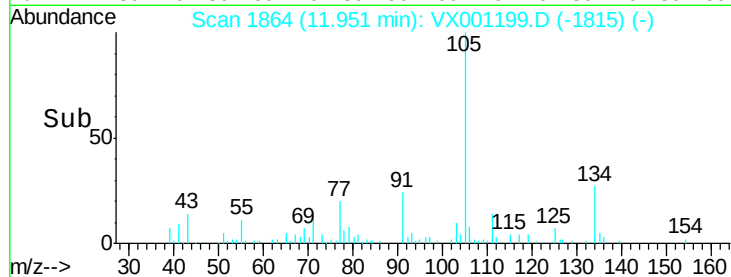
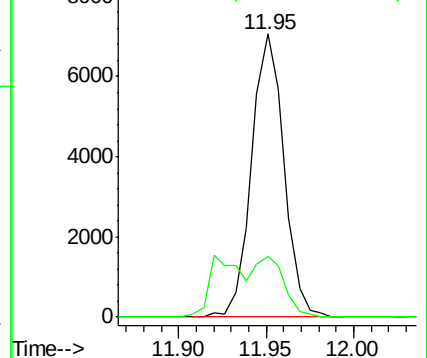
105 100

134 19.9 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#87

1,3-Dichlorobenzene

Concen: 10.74 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX001199.D

Acq: 28 Apr 2018 04:24

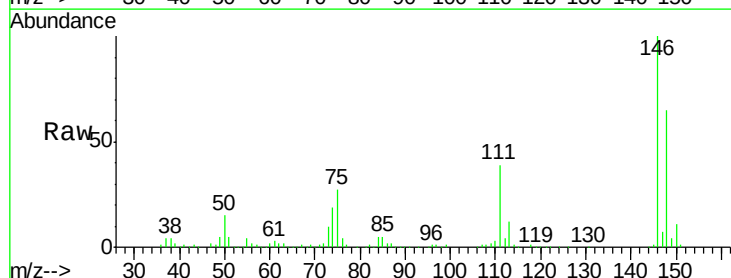
Tgt Ion:146 Resp: 55579

Ion Ratio Lower Upper

146 100

111 37.2 18.6 56.0

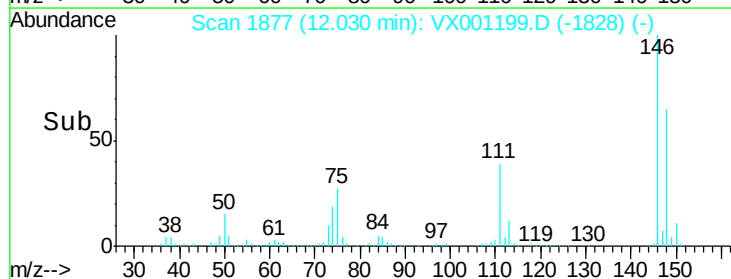
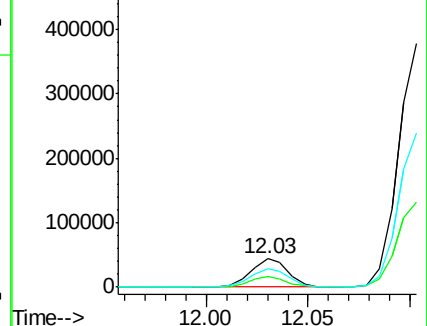
148 65.9 32.3 96.8

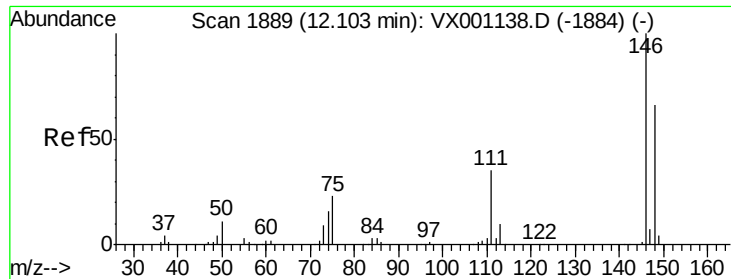


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 85.34 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX001199.D

Acq: 28 Apr 2018 04:24

Instrument :

MSVOA_X

ClientSampleId :

LF015MW047-180418

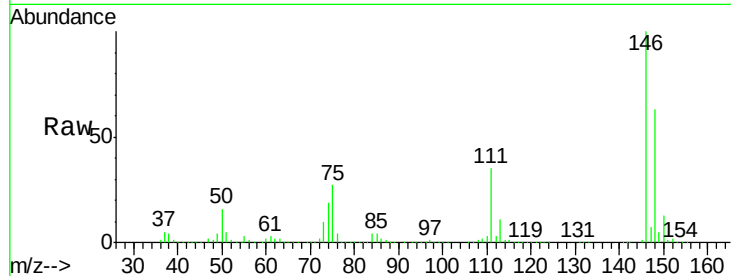
Tot Ion:146 Resp: 460028

Ion Ratio Lower Upper

146 100

111 35.4 18.0 54.0

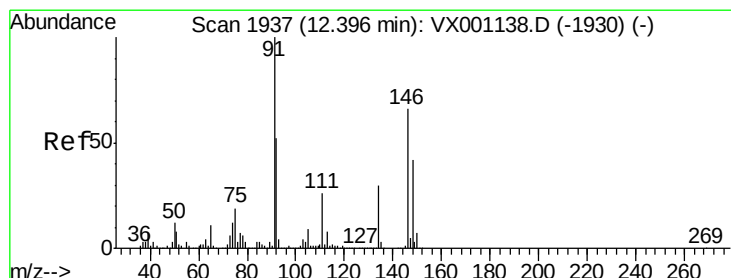
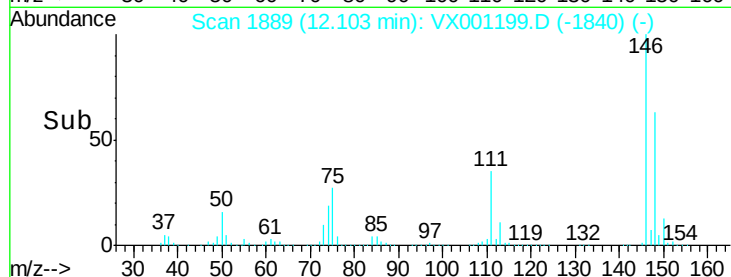
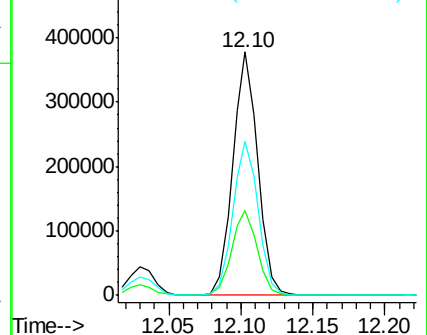
148 64.2 32.5 97.5



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: 392.10 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001199.D

Acq: 28 Apr 2018 04:24

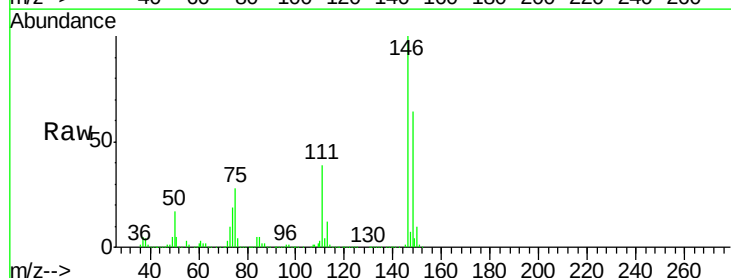
Tgt Ion:146 Resp: 2050451

Ion Ratio Lower Upper

146 100

111 37.7 19.1 57.3

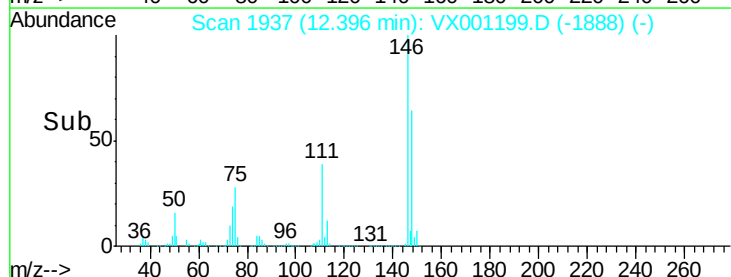
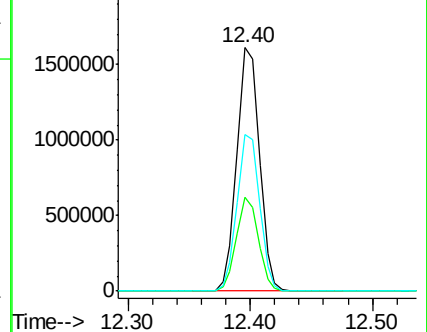
148 64.4 32.2 96.6

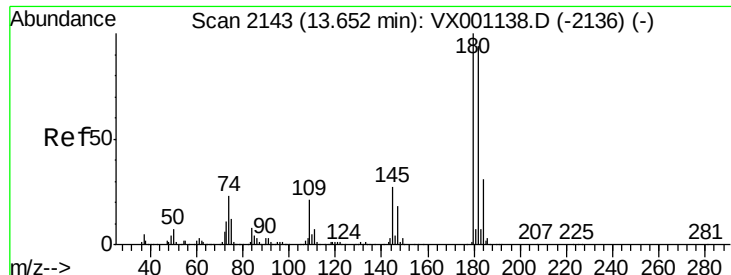


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

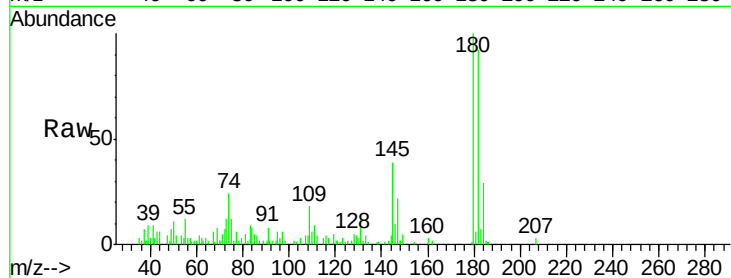




#93
 1,2,4-Trichlorobenzene
 Concen: 1.49 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001199.D
 Acq: 28 Apr 2018 04:24

Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW047-180418

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.9	143.6
145	52.8	13.8	41.4#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

