

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042418\
 Data File : VX001091.D
 Acq On : 24 Apr 2018 22:18
 Operator : JC/MD
 Sample : J2464-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW100-180418

Manual Integrations
 APPROVED

Sohil
 4/26/2018 4:06:25 AM

Quant Time: Apr 25 07:55:43 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	238984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	334284	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	297475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	165974	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	171721	56.68	ug/l	0.00
Spiked Amount 50.000			Recovery =	113.36%		
35) Dibromofluoromethane	5.51	113	131112	51.44	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.88%		
50) Toluene-d8	8.72	98	500695	53.12	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.24%		
62) 4-Bromofluorobenzene	11.14	95	173251	43.80	ug/l	0.00
Spiked Amount 50.000			Recovery =	87.60%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	2794889	977.07	ug/l	99
12) 1,1-Dichloroethene	2.38	96	51149	21.97	ug/l	97
16) Acetone	2.45	43	6662	5.84	ug/l	96
17) Carbon Disulfide	2.57	76	2415	0.36	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	2741	1.06	ug/l	95
22) Diisopropyl ether	3.88	45	17281	2.12	ug/l #	85
24) 1,1-Dichloroethane	3.70	63	1669	0.36	ug/l #	83
27) cis-1,2-Dichloroethene	4.60	96	190637	66.02	ug/l	89
31) Cyclohexane	5.58	56	22201	5.20	ug/l	98
39) Methylcyclohexane	7.47	83	27973	6.12	ug/l	96
40) Benzene	6.15	78	115904	10.61	ug/l	99
44) Trichloroethene	7.22	130	169292	50.74	ug/l	99
45) 1,2-Dichloropropane	7.53	63	2337	0.85	ug/l	95
52) Toluene	8.79	92	4954	0.69	ug/l	95
55) 1,1,2-Trichloroethane	9.23	97	1118	0.39	ug/l #	82
65) Chlorobenzene	10.15	112	5189	0.66	ug/l	97
67) Ethyl Benzene	10.26	91	4105	0.31	ug/l	100
73) Isopropylbenzene	11.02	105	5781	0.53	ug/l	96
87) 1,3-Dichlorobenzene	12.03	146	1376	0.23	ug/l	94
88) 1,4-Dichlorobenzene	12.10	146	4880m	0.81	ug/l	
91) 1,2-Dichlorobenzene	12.40	146	9943	1.74	ug/l	98

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

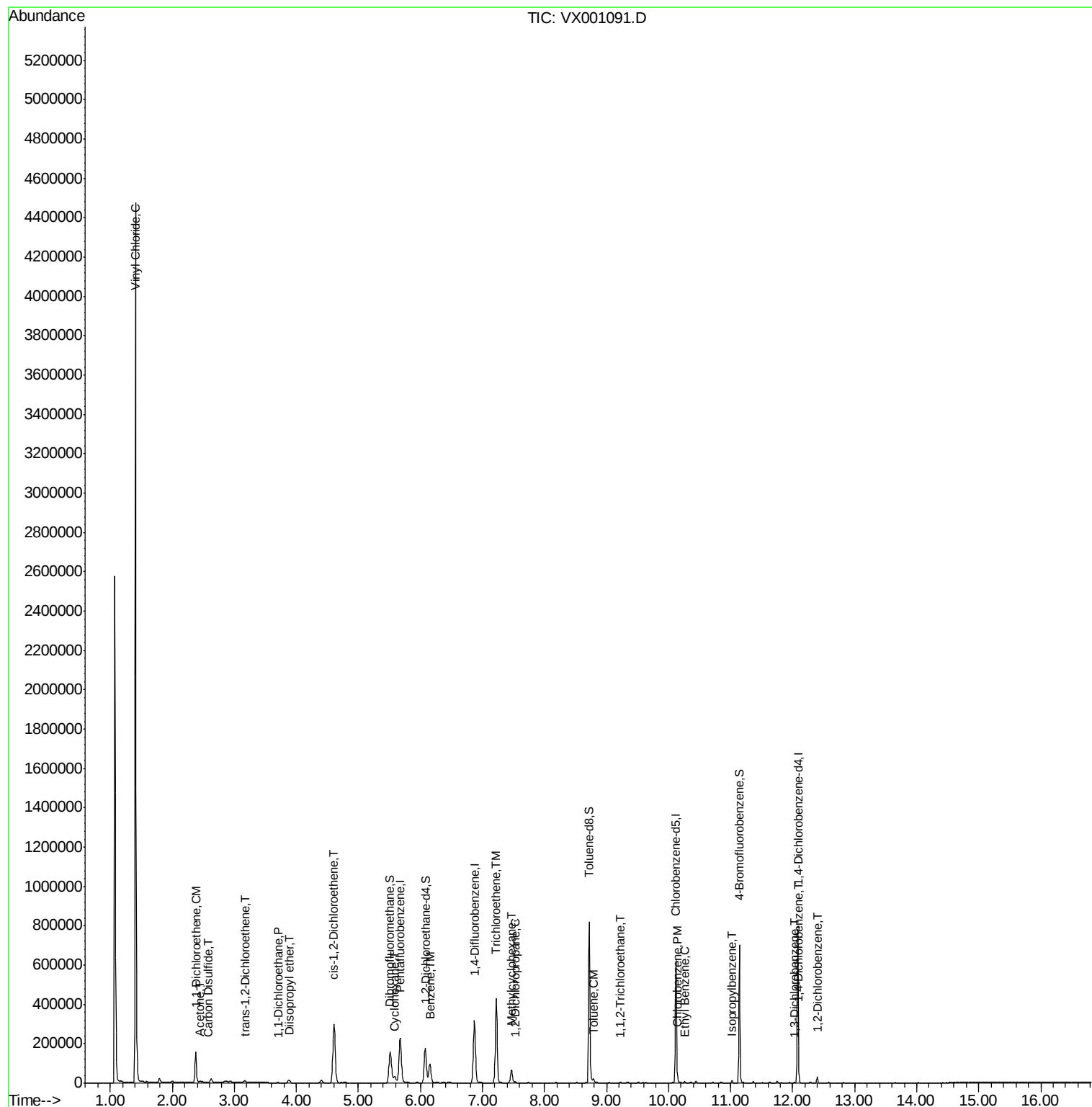
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042418\
Data File : VX001091.D
Acq On : 24 Apr 2018 22:18
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Sample : J2464-11
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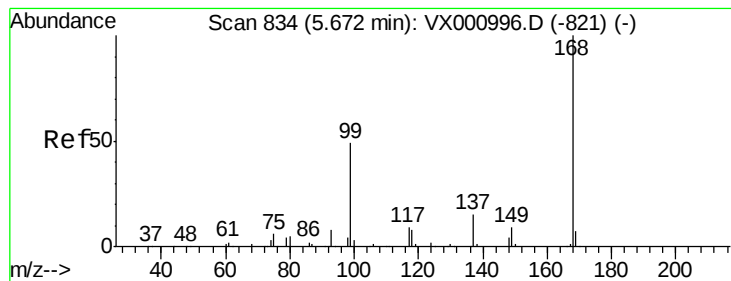
Instrument :
MSVOA_X
ClientSampleId :
LF015MW100-180418

Manual Integrations
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4/26/2018 4:06:25 AM

Quant Time: Apr 25 07:55:43 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

LF015MW100-180418

Tot Ion:168 Resp: 238984

Ion Ratio Lower Upper

168 100

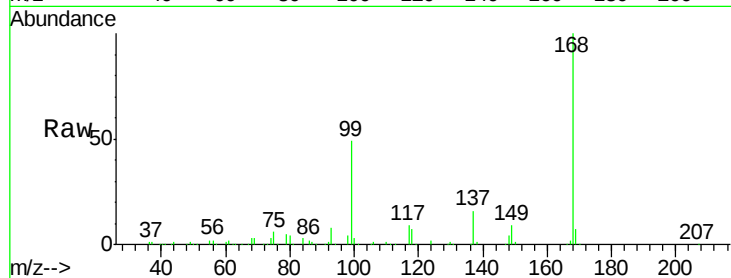
99 48.5 39.2 58.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

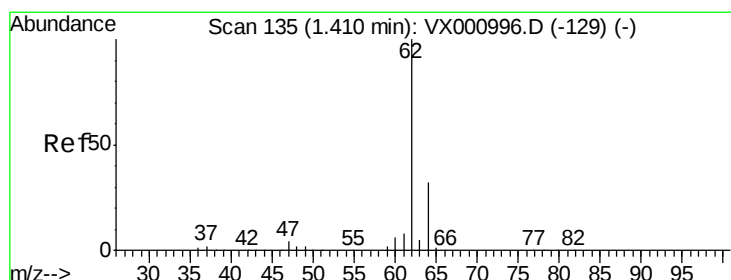
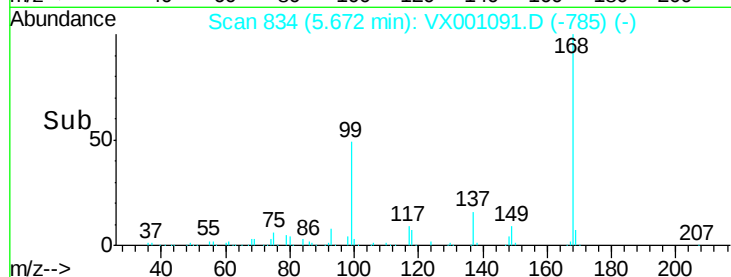
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 977.07 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001091.D

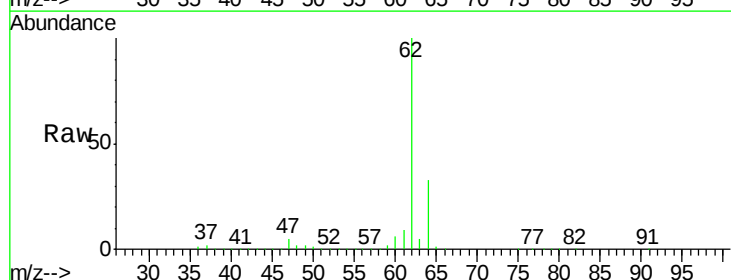
Acq: 24 Apr 2018 22:18

Tgt Ion: 62 Resp: 2794889

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

3000000

2500000

2000000

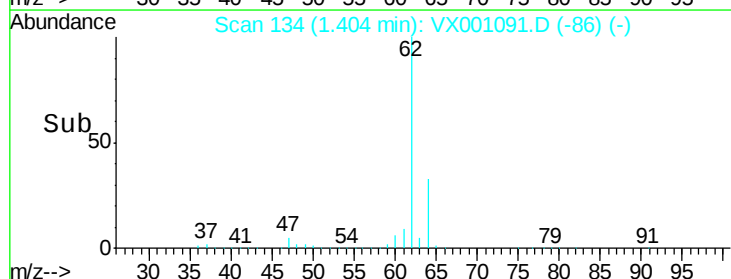
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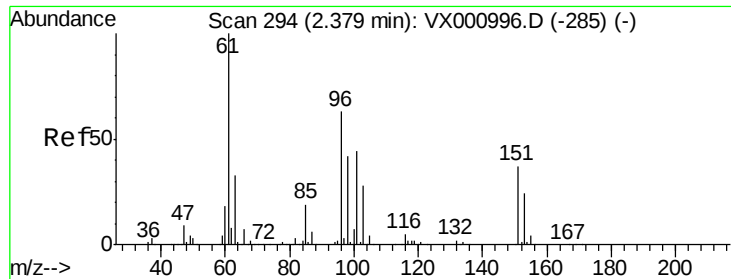
1000000

500000

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Time-->





#12

1,1-Dichloroethene

Concen: 21.97 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Instrument :

MSVOA_X

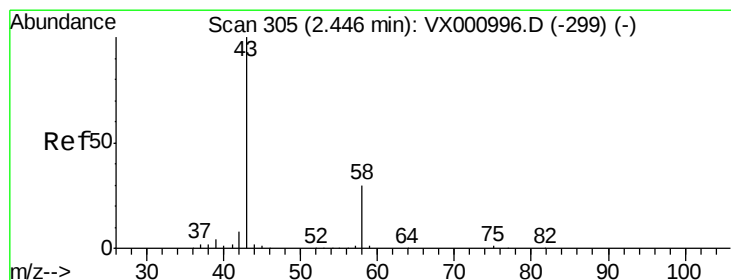
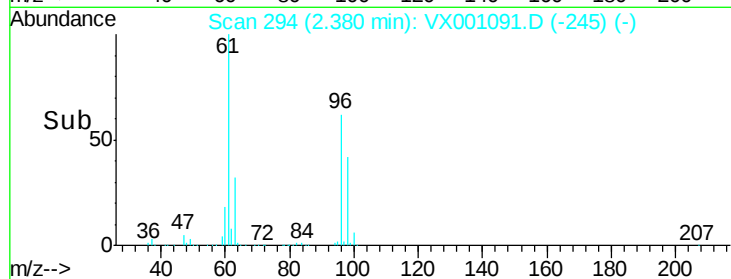
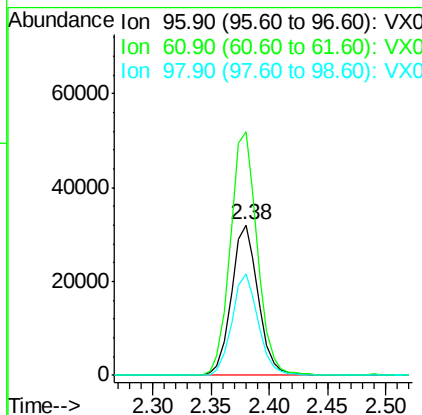
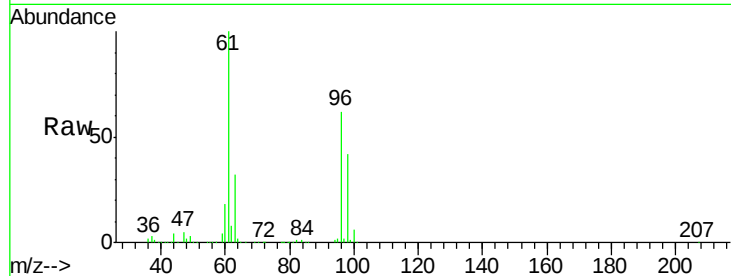
ClientSampleId :

LF015MW100-180418

Tot Ion:	96	Resp:	51149
Ion	Ratio	Lower	Upper
96	100		
61	161.7	126.4	189.6
98	67.2	52.6	78.8

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#16

Acetone

Concen: 5.84 ug/l

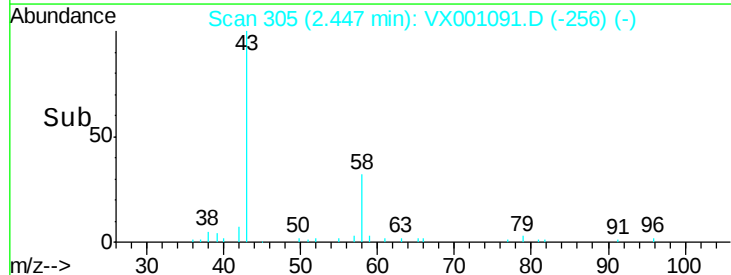
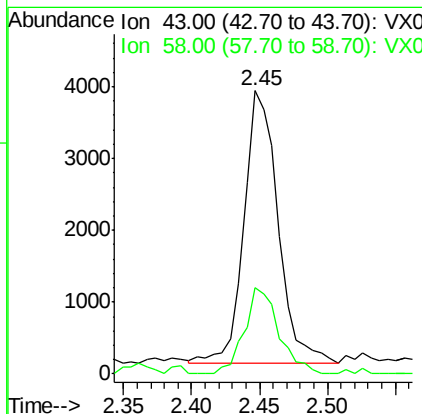
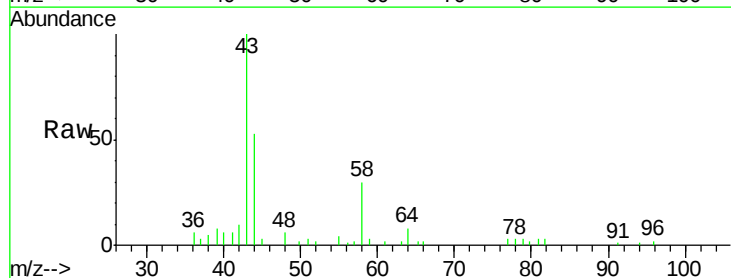
RT: 2.45 min Scan# 305

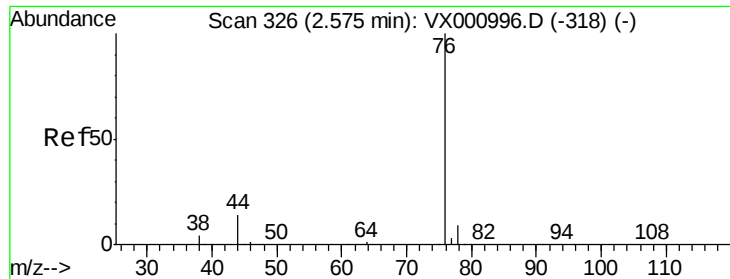
Delta R.T. 0.00 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Tgt Ion:	43	Resp:	6662
Ion	Ratio	Lower	Upper
43	100		
58	31.6	23.7	35.5





#17

Carbon Disulfide

Concen: 0.36 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

LF015MW100-180418

Tot Ion: 76 Resp: 2415

Ion Ratio Lower Upper

76 100

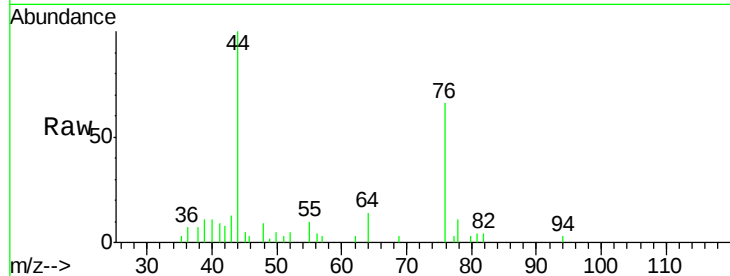
78 10.2 7.3 10.9

Manual Integrations

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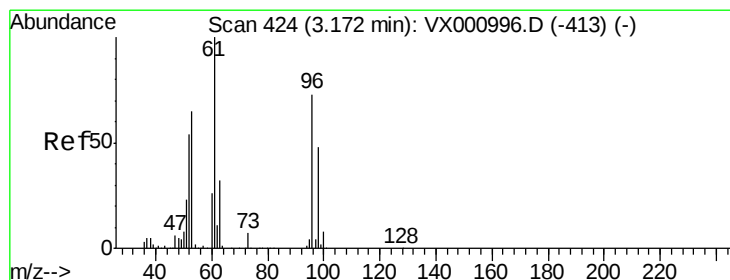
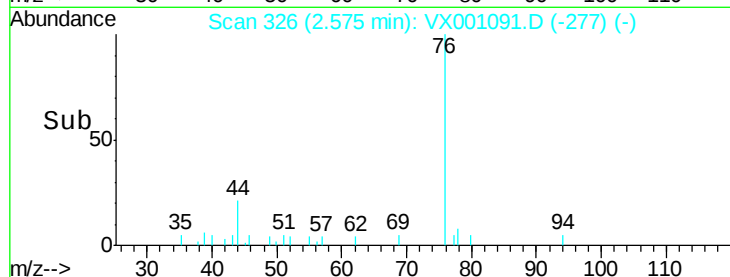
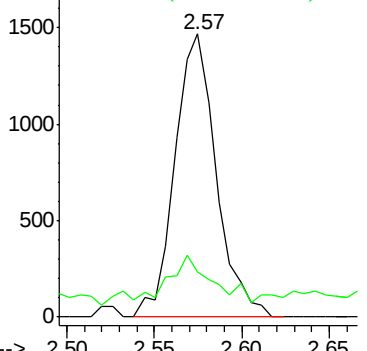
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#21

trans-1,2-Dichloroethene

Concen: 1.06 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

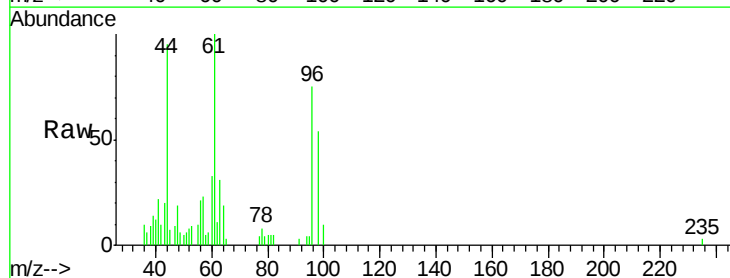
Tgt Ion: 96 Resp: 2741

Ion Ratio Lower Upper

96 100

61 132.8 109.4 164.2

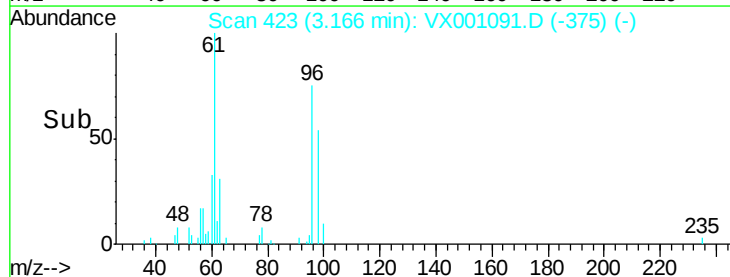
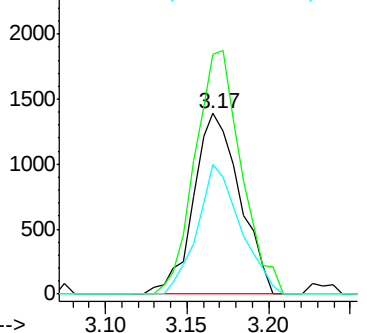
98 71.5 52.6 78.8

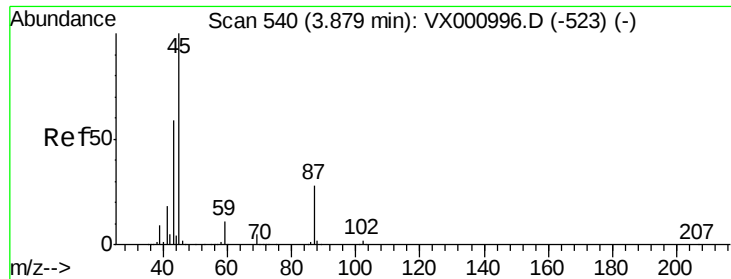


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#22

Diisopropyl ether

Concen: 2.12 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Instrument :

MSVOA_X

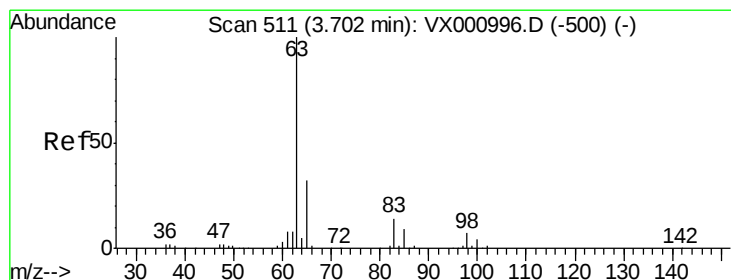
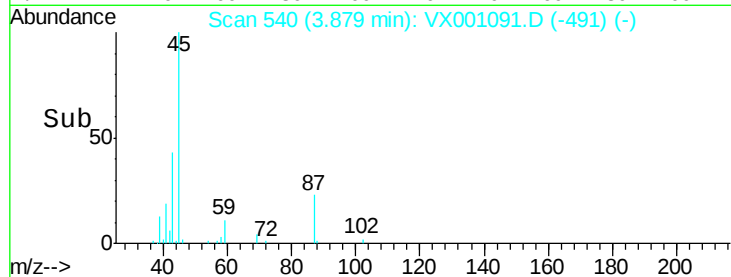
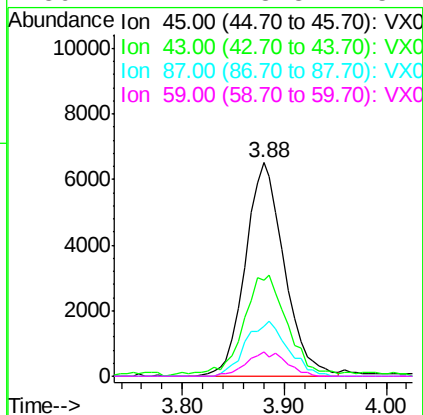
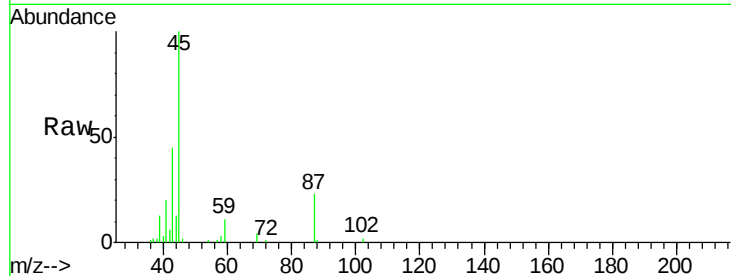
ClientSampleId :

LF015MW100-180418

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	43.5	47.0	70.4#	
87	23.3	22.5	33.7	
59	11.1	8.8	13.2	

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 0.36 ug/l

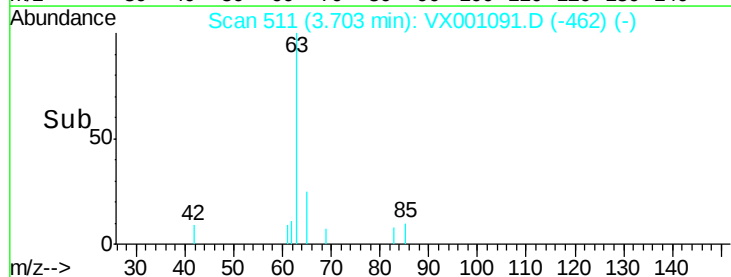
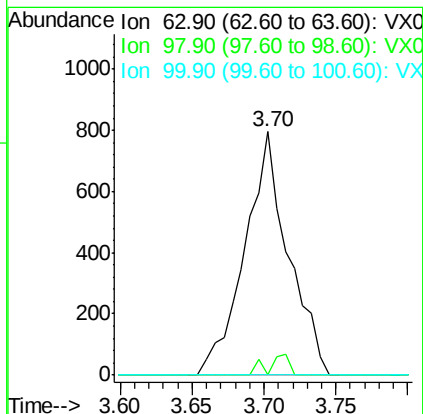
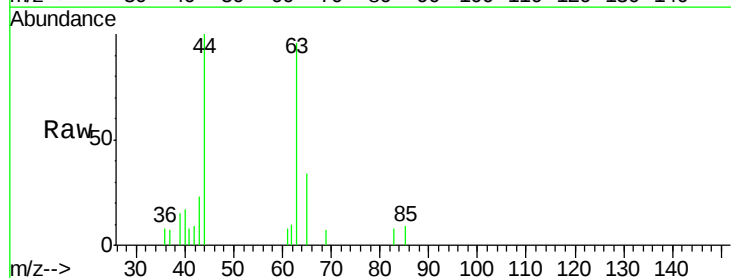
RT: 3.70 min Scan# 511

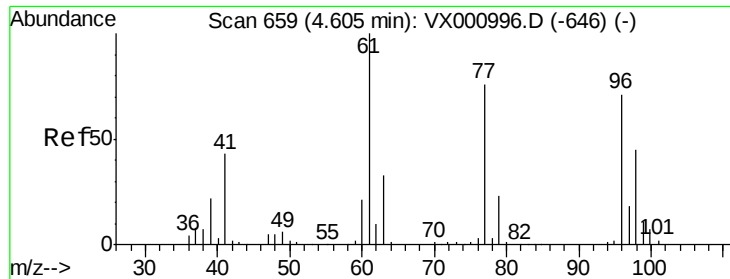
Delta R.T. 0.00 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	0.0	3.4	10.1#	
100	0.0	2.1	6.3#	





#27

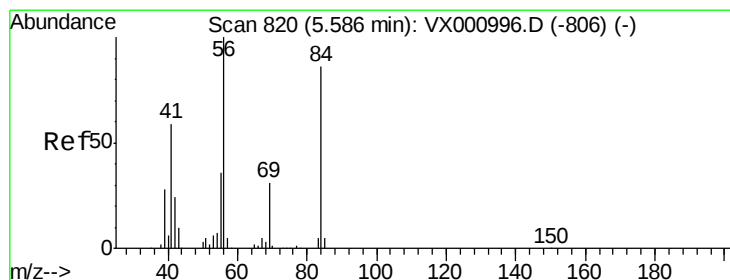
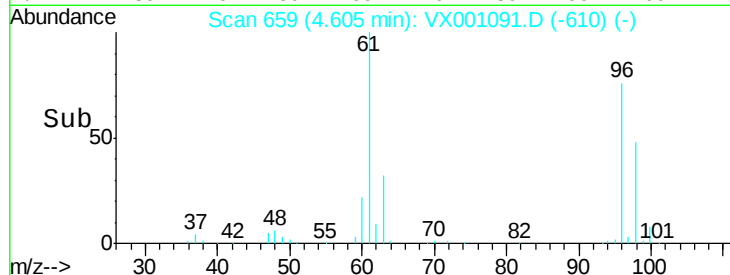
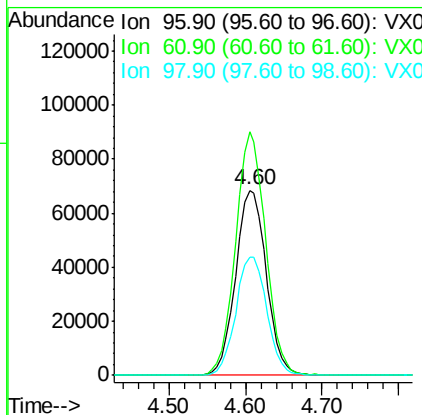
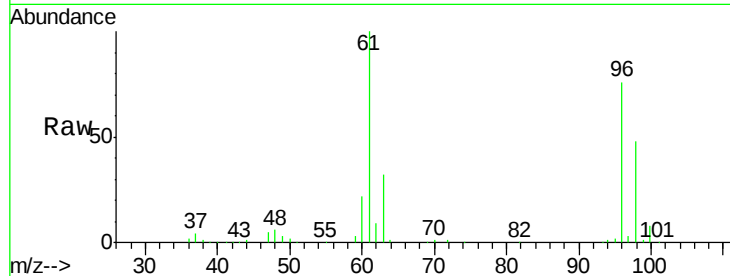
cis-1,2-Dichloroethene
Concen: 66.02 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001091.D
Acq: 24 Apr 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
LF015MW100-180418

Tot Ion	Ratio	Resp	Lower	Upper
96	100	190637		
61	128.7	0.0	297.0	
98	64.8	0.0	130.0	

Manual Integrations
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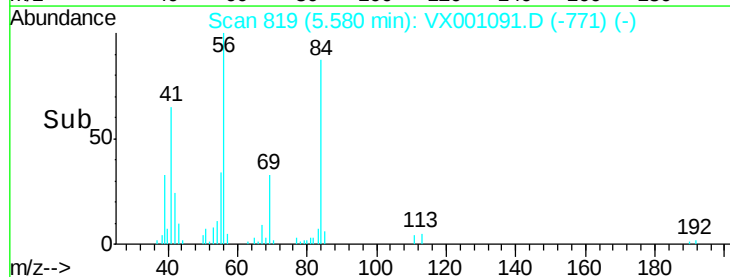
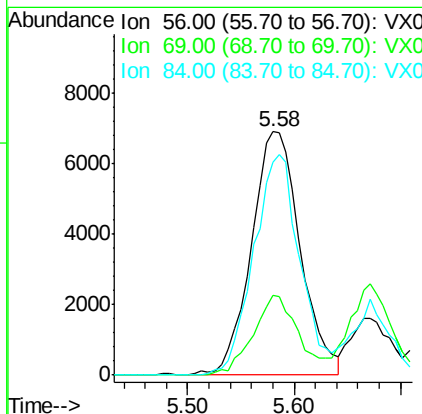
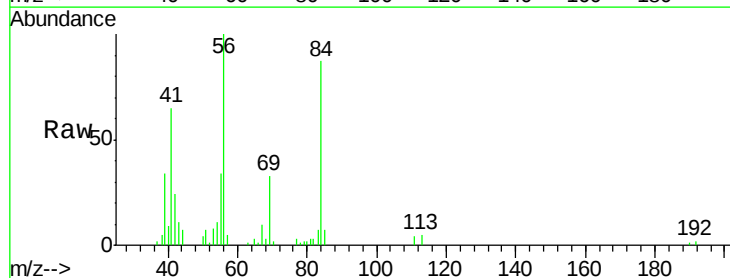
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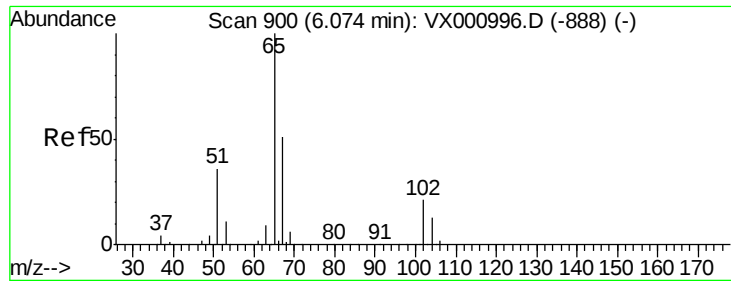


#31

Cyclohexane
Concen: 5.20 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.01 min
Lab File: VX001091.D
Acq: 24 Apr 2018 22:18

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	22201		
69	32.6	24.6	36.8	
84	87.2	69.0	103.6	





#33

1,2-Dichloroethane-d4

Concen: 56.68 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Tot Ion: 65 Resp: 171721

Ion Ratio Lower Upper

65 100

67 51.3 0.0 102.6

Instrument :

MSVOA_X

ClientSampleId :

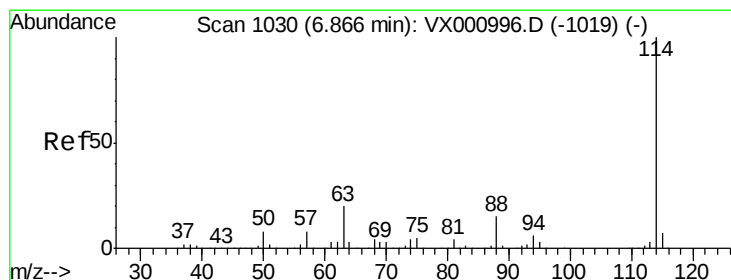
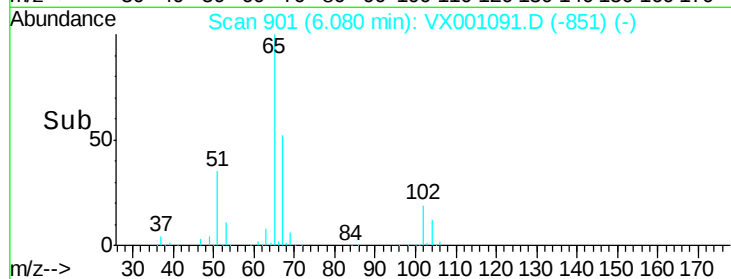
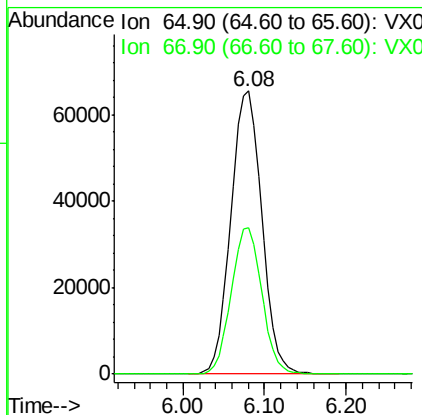
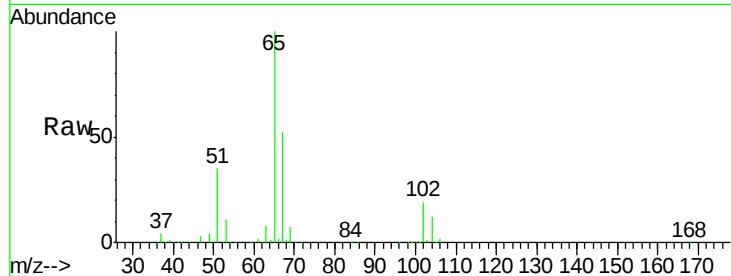
LF015MW100-180418

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

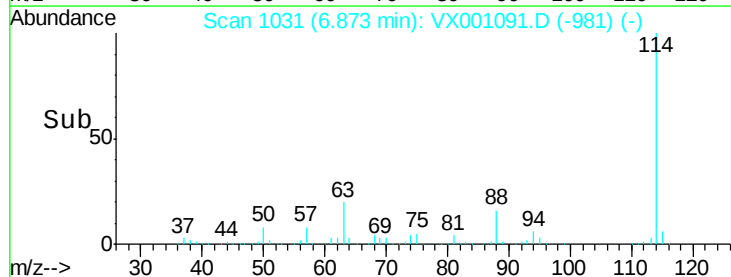
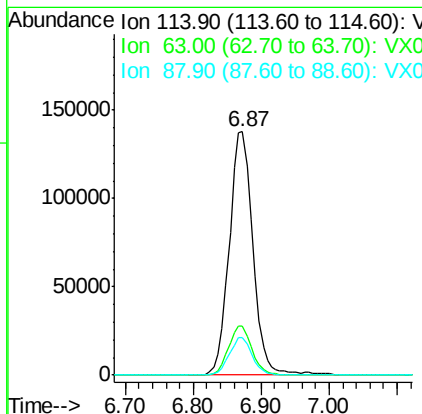
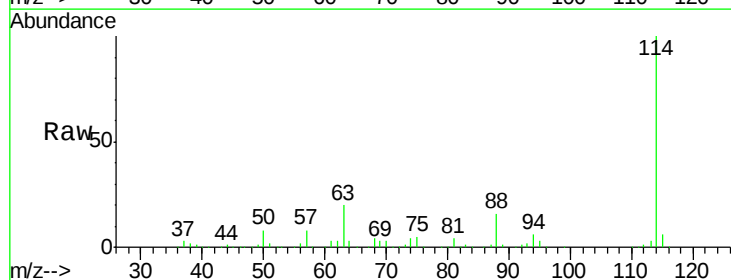
Tgt Ion: 114 Resp: 334284

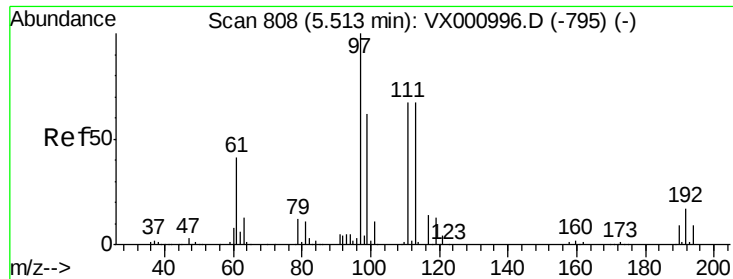
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.4

88 15.7 0.0 29.8





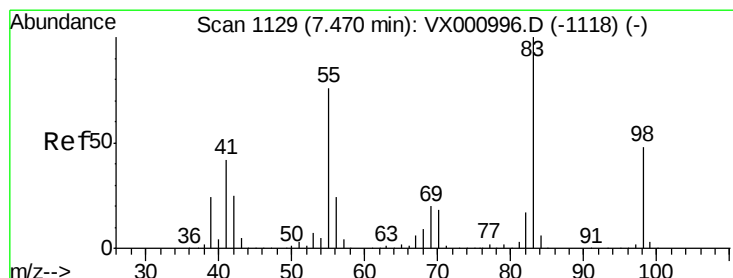
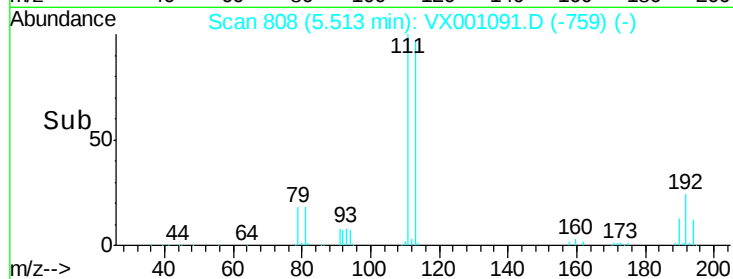
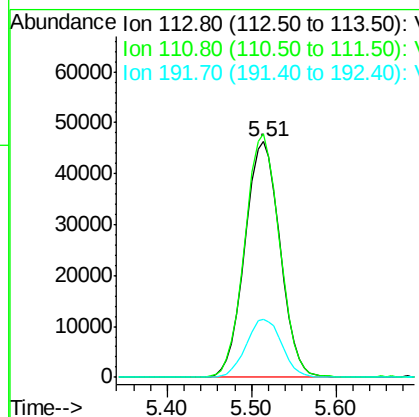
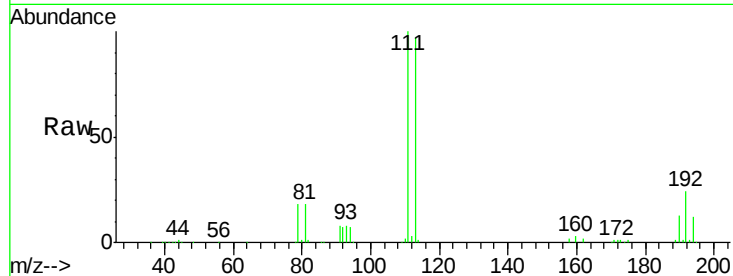
#35
Dibromofluoromethane
Concen: 51.44 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.00 min
Lab File: VX001091.D
Acq: 24 Apr 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
LF015MW100-180418

Tot Ion	Ratio	Resp	Lower	Upper
113	100	131112		
111	101.9	81.4	122.2	
192	25.1	20.4	30.6	

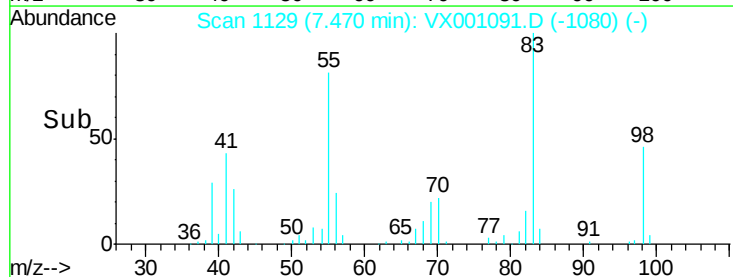
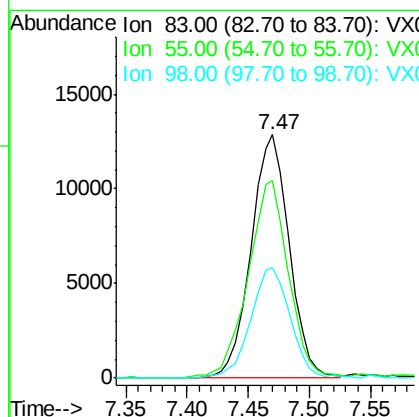
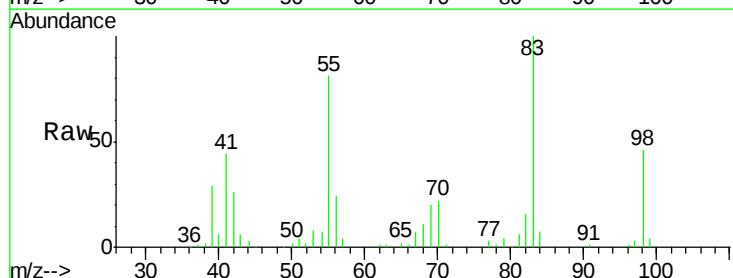
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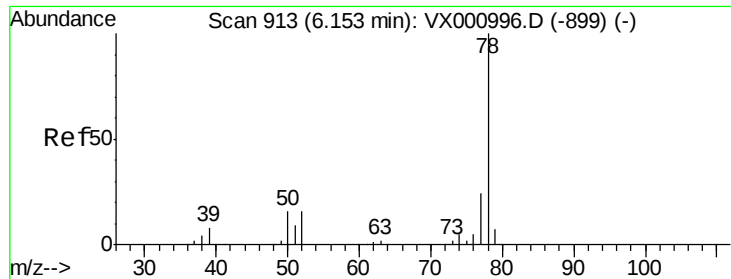
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#39
Methylcyclohexane
Concen: 6.12 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX001091.D
Acq: 24 Apr 2018 22:18

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	27973		
55	80.2	60.6	91.0	
98	45.6	38.2	57.4	





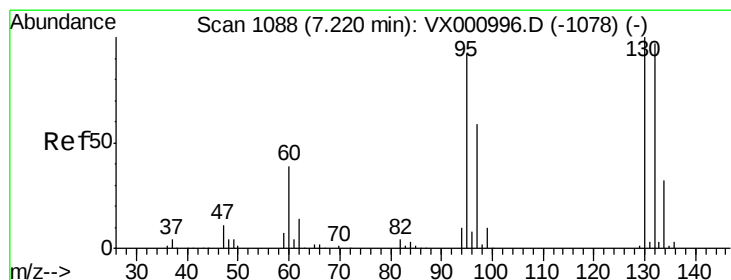
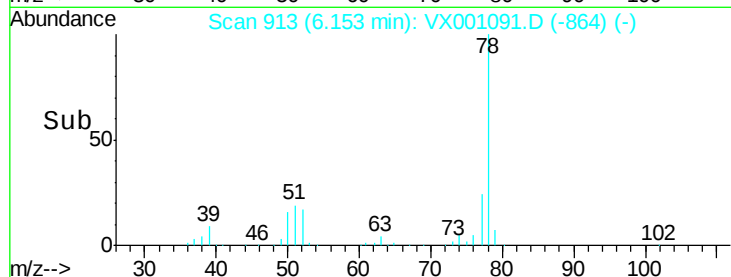
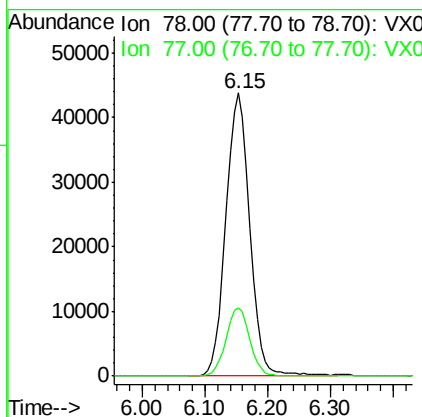
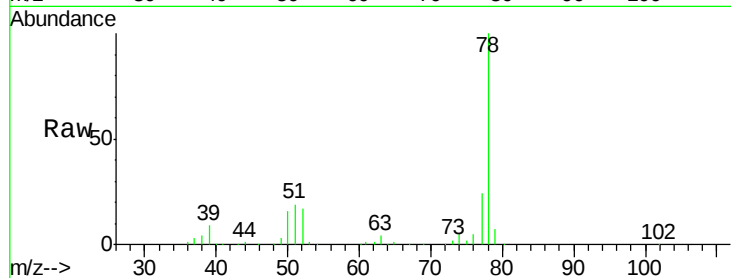
#40
Benzene
Concen: 10.61 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX001091.D
Acq: 24 Apr 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
LF015MW100-180418

Tot Ion: 78 Resp: 115904
Ion Ratio Lower Upper
78 100
77 24.2 18.9 28.3

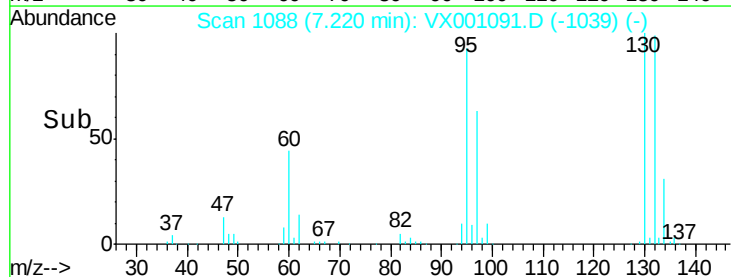
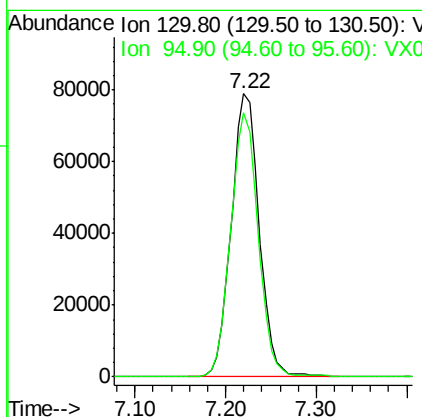
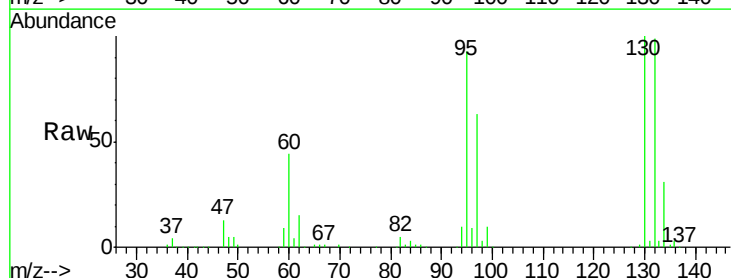
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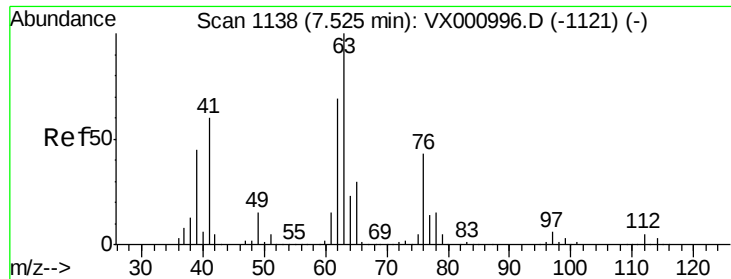
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#44
Trichloroethene
Concen: 50.74 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VX001091.D
Acq: 24 Apr 2018 22:18

Tgt Ion:130 Resp: 169292
Ion Ratio Lower Upper
130 100
95 93.3 0.0 184.2





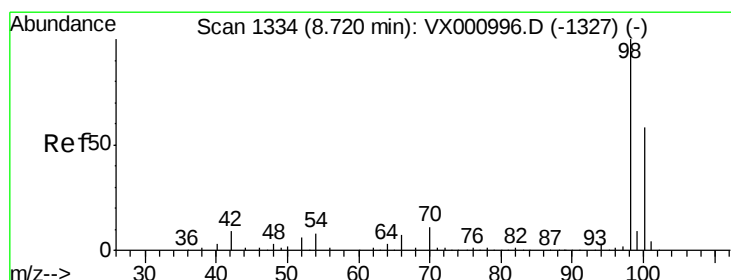
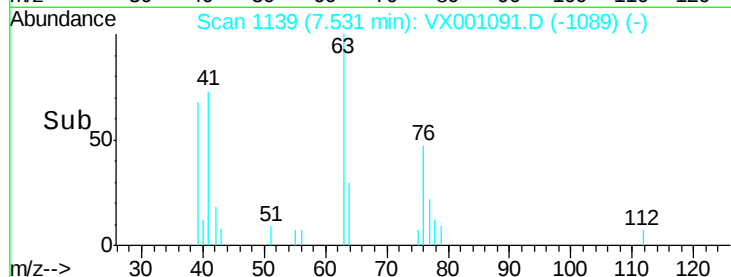
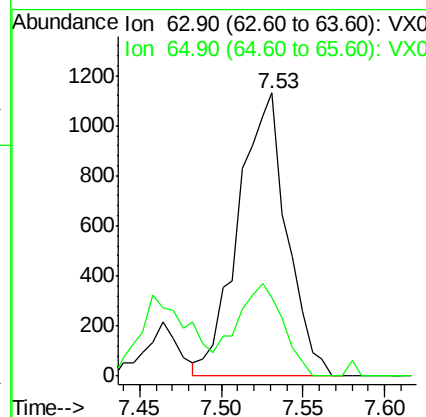
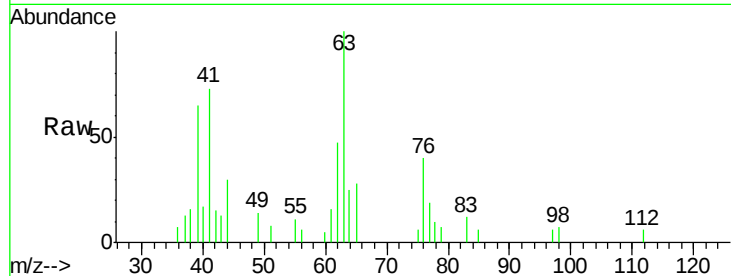
#45
 1,2-Dichloropropane
 Concen: 0.85 ug/l
 RT: 7.53 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VX001091.D
 Acq: 24 Apr 2018 22:18

Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW100-180418

Tot Ion: 63 Resp: 2337
 Ion Ratio Lower Upper
 63 100
 65 28.0 24.4 36.6

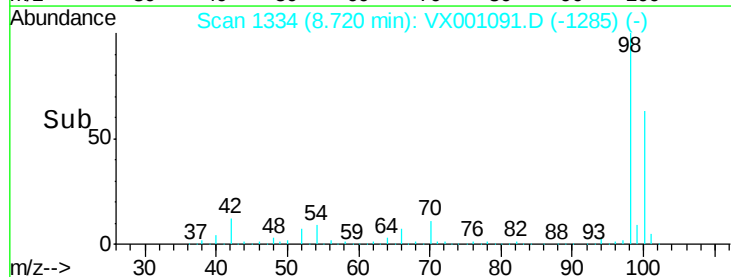
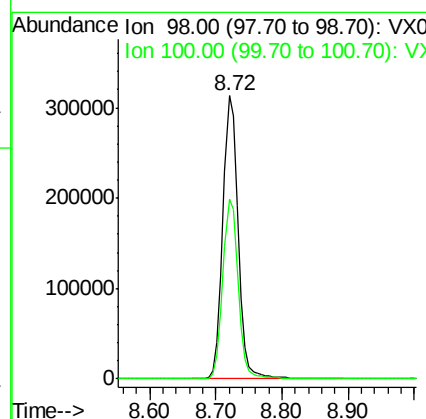
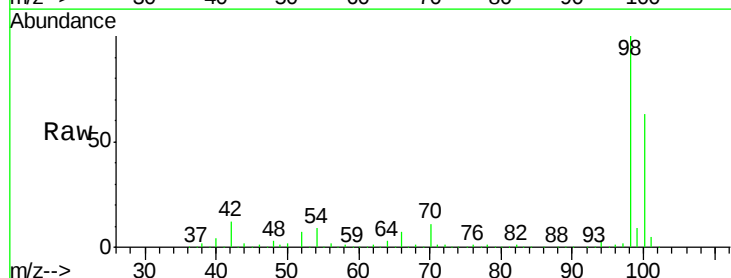
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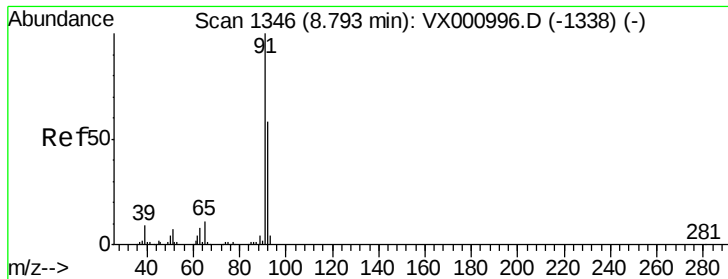
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#50
 Toluene-d8
 Concen: 53.12 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX001091.D
 Acq: 24 Apr 2018 22:18

Tgt Ion: 98 Resp: 500695
 Ion Ratio Lower Upper
 98 100
 100 63.9 51.9 77.9





#52

Toluene

Concen: 0.69 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

LF015MW100-180418

Tot Ion: 92 Resp: 4954

Ion Ratio Lower Upper

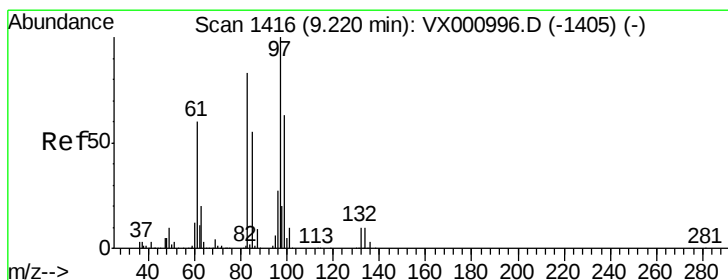
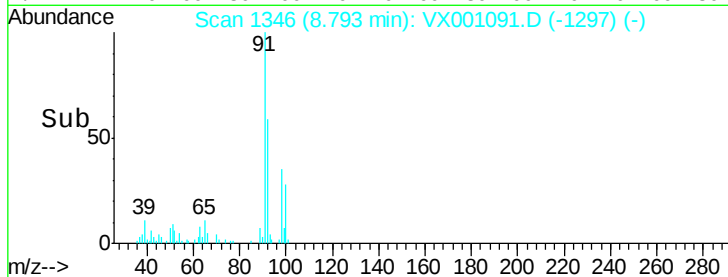
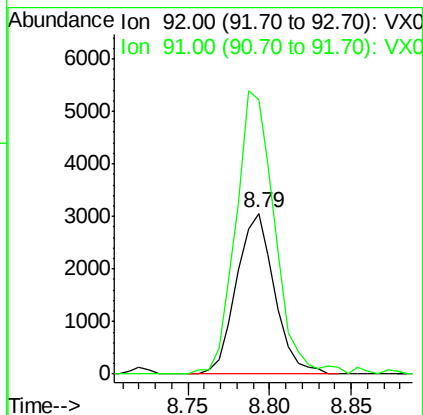
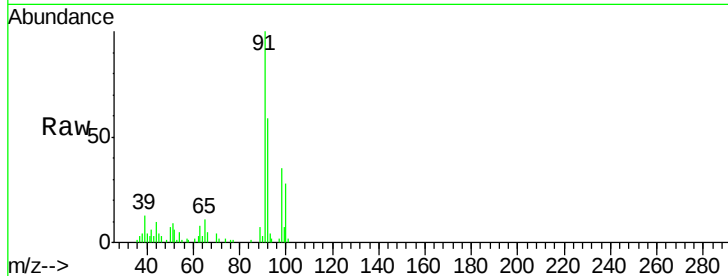
92 100

91 179.7 138.2 207.4

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#55

1,1,2-Trichloroethane

Concen: 0.39 ug/l

RT: 9.23 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Tgt Ion: 97 Resp: 1118

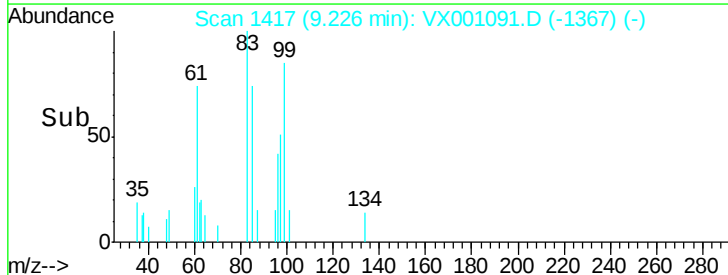
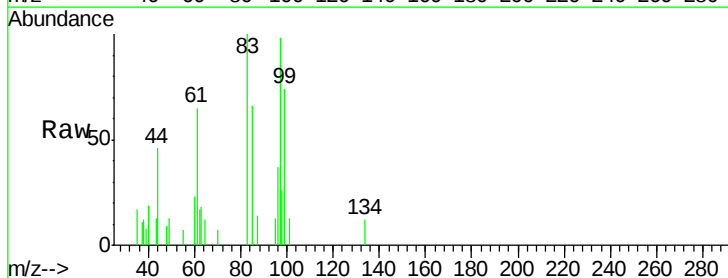
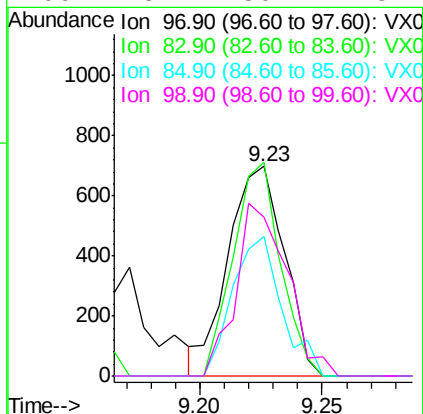
Ion Ratio Lower Upper

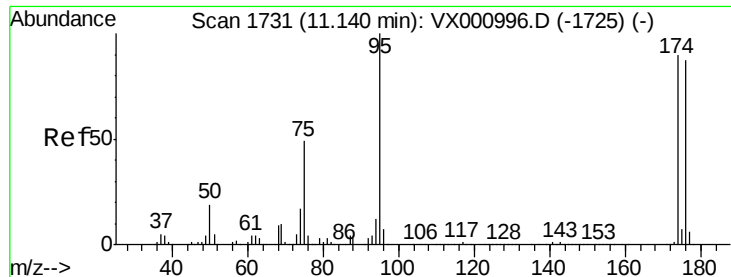
97 100

83 101.7 66.2 99.4#

85 66.7 44.2 66.4#

99 75.7 50.2 75.4#





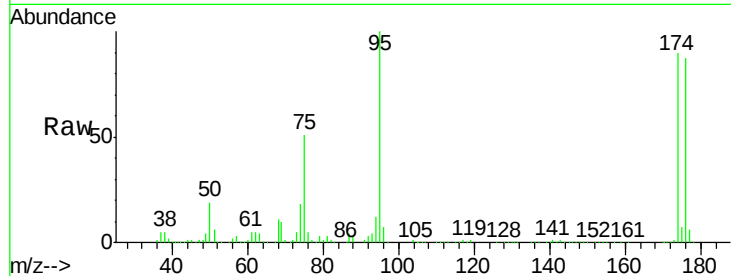
#62
4-Bromofluorobenzene
Concen: 43.80 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001091.D
Acq: 24 Apr 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
LF015MW100-180418

Tot Ion	Ratio	Resp	Lower	Upper
95	100	173251		
174	97.7	0.0	198.4	
176	95.9	0.0	192.0	

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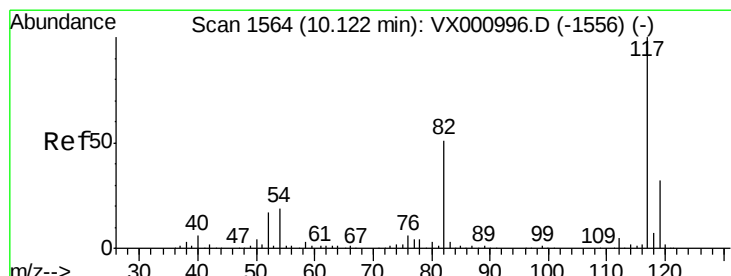
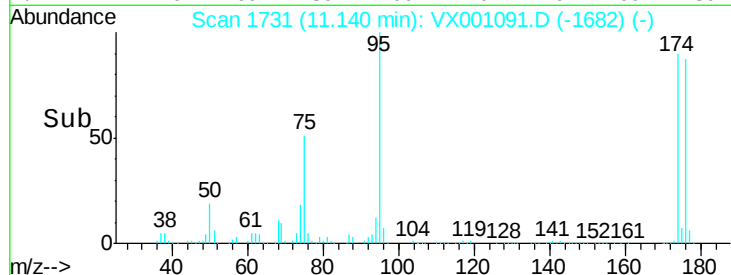
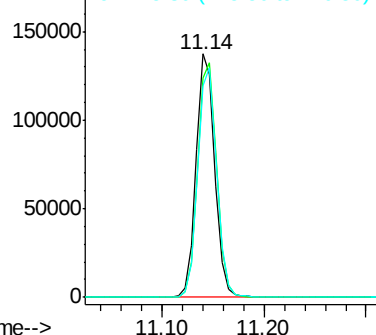
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Abundance Ion 94.90 (94.60 to 95.60): VX000996.D (-1725) (-)

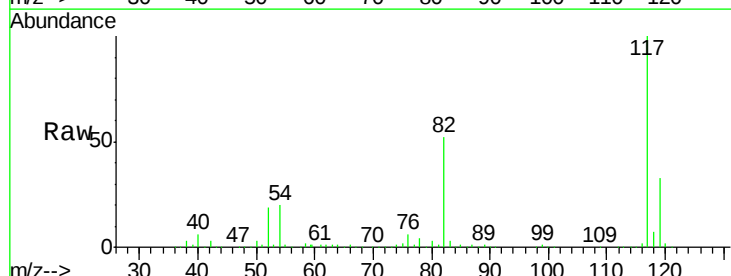
Ion 173.80 (173.50 to 174.50): VX000996.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000996.D (-1725) (-)



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001091.D
Acq: 24 Apr 2018 22:18

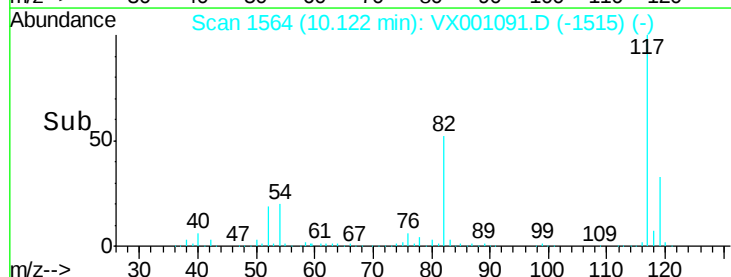
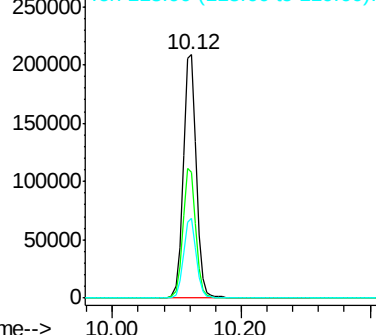
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	297475		
82	51.7	40.6	60.8	
119	32.8	26.0	39.0	

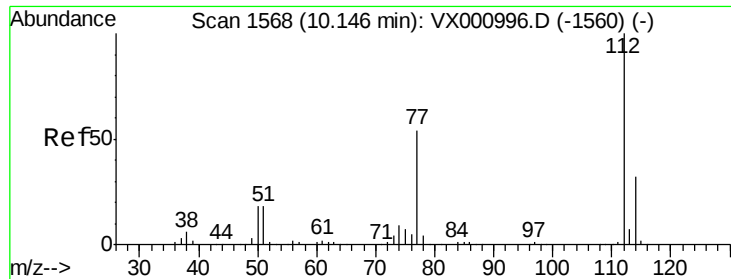


Abundance Ion 116.90 (116.60 to 117.60): VX000996.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX000996.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX000996.D (-1556) (-)





#65

Chlorobenzene

Concen: 0.66 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

LF015MW100-180418

Tot Ion:112 Resp: 5189

Ion Ratio Lower Upper

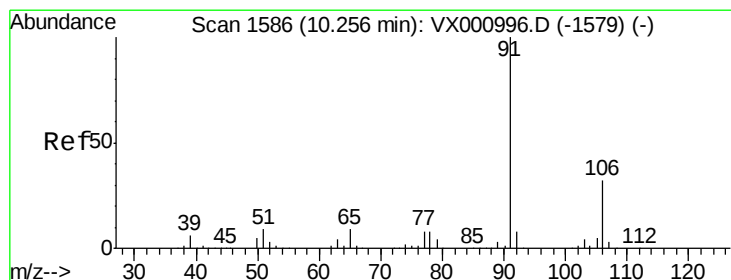
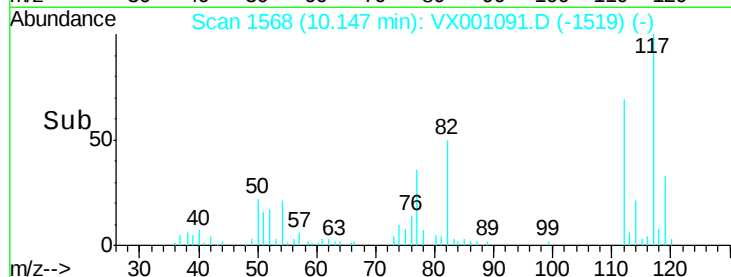
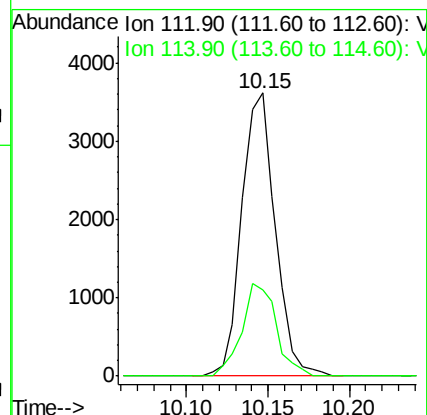
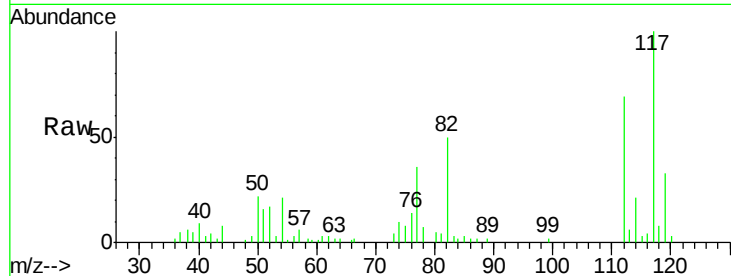
112 100

114 30.4 25.5 38.3

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#67

Ethyl Benzene

Concen: 0.31 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001091.D

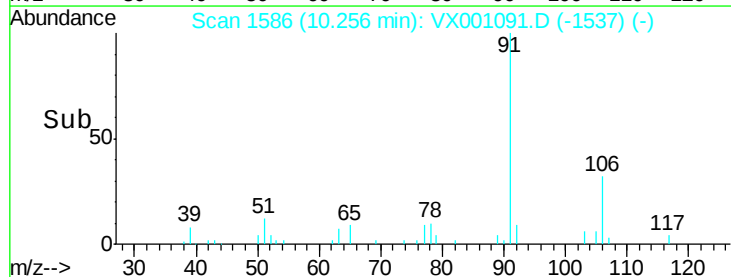
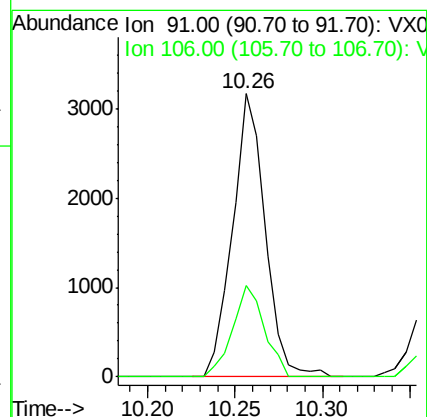
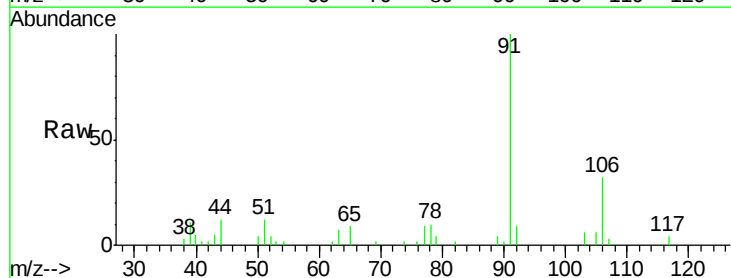
Acq: 24 Apr 2018 22:18

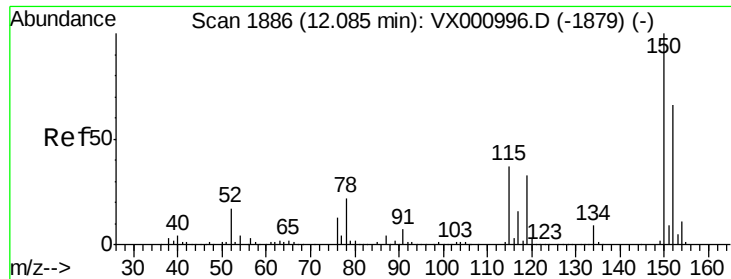
Tgt Ion: 91 Resp: 4105

Ion Ratio Lower Upper

91 100

106 32.3 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: VX001091.D

Acq: 24 Apr 2018 22:18

Instrument :

MSVOA_X

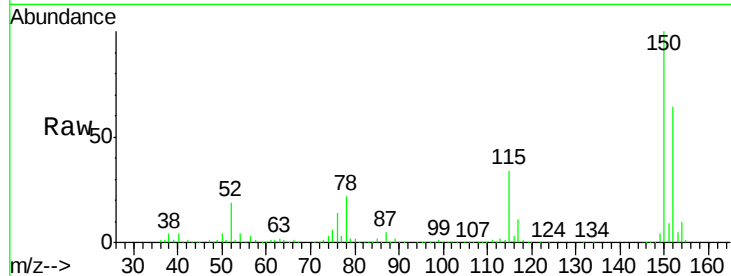
ClientSampleId :

LF015MW100-180418

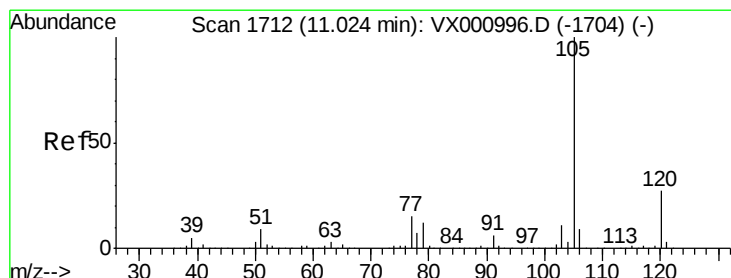
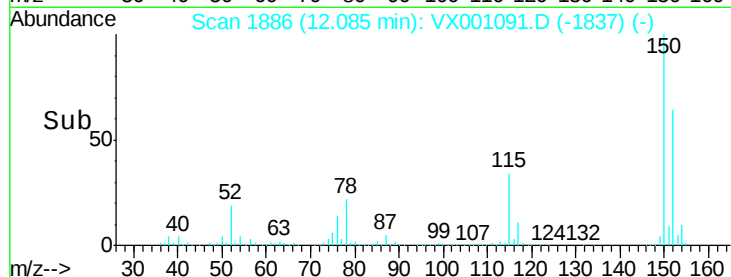
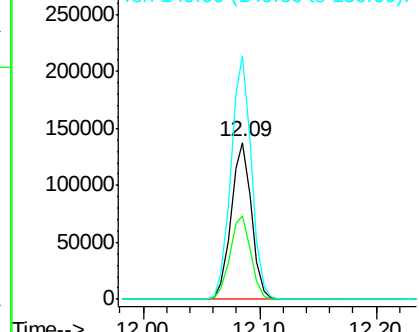
Tot Ion:	152	Resp:	165974
Ion Ratio	Lower	Upper	
152	100		
115	54.1	38.2	114.6
150	155.7	0.0	350.4

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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: 0.53 ug/l

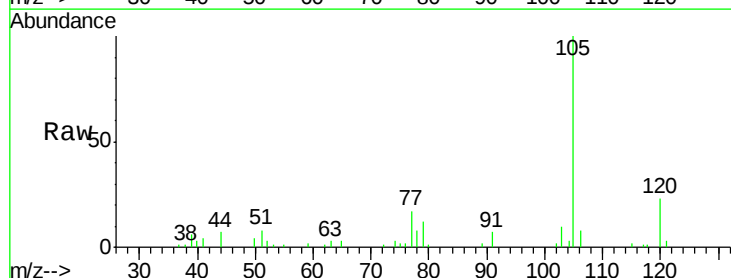
RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

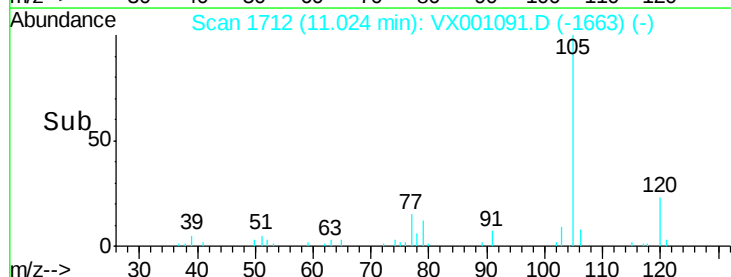
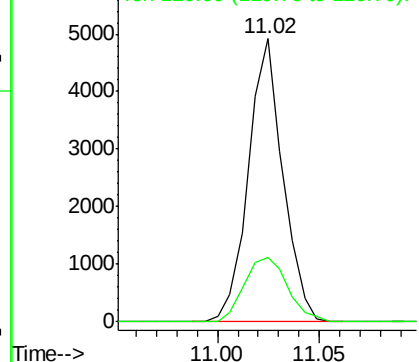
Lab File: VX001091.D

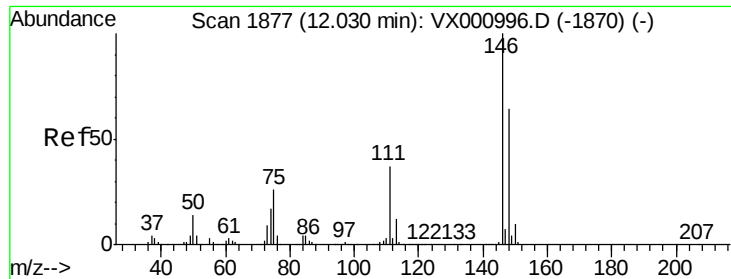
Acq: 24 Apr 2018 22:18

Tgt Ion:	105	Resp:	5781
Ion Ratio	Lower	Upper	
105	100		
120	28.8	13.4	40.2



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





#87

1,3-Dichlorobenzene

Concen: 0.23 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Instrument :

MSVOA_X

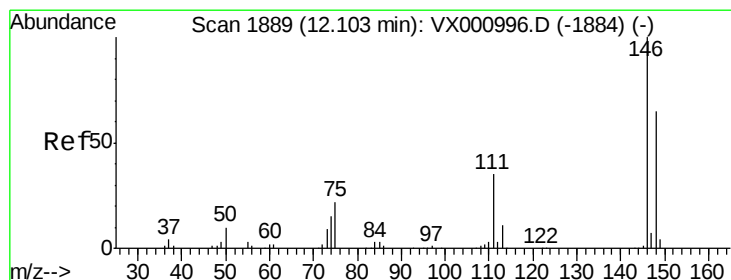
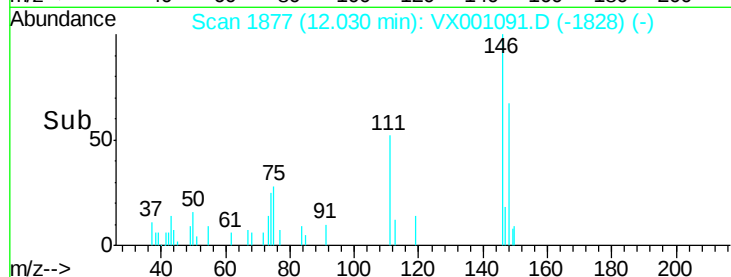
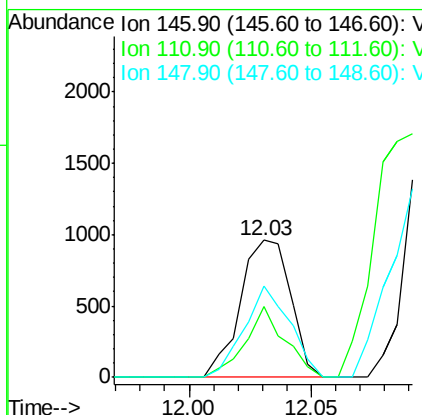
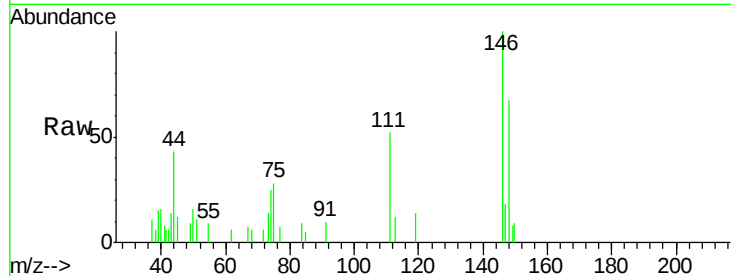
ClientSampleId :

LF015MW100-180418

Tot Ion:	146	Resp:	1376
Ion	Ratio	Lower	Upper
146	100		
111	40.9	18.3	54.8
148	60.8	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 0.81 ug/l m

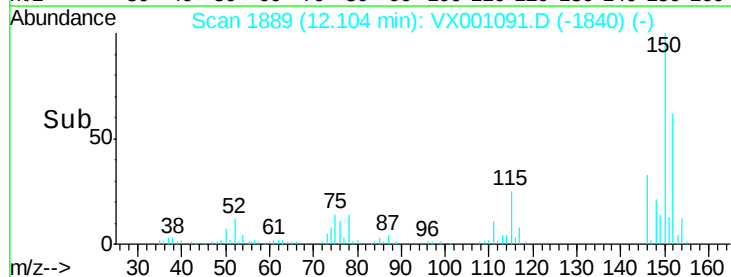
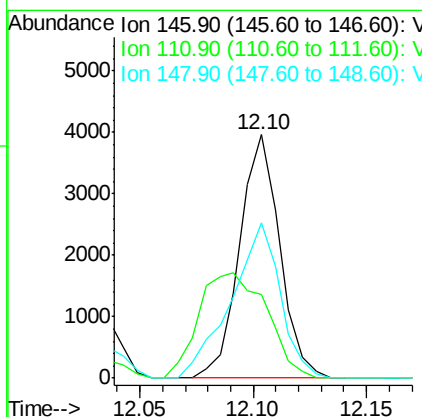
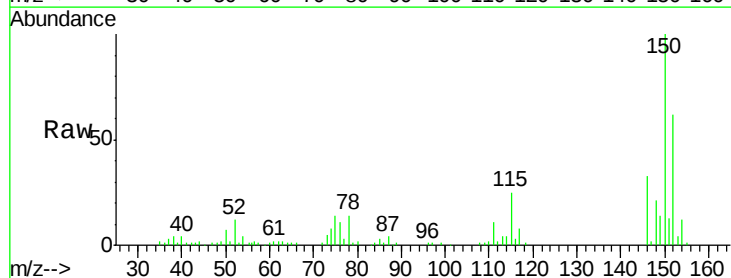
RT: 12.10 min Scan# 1889

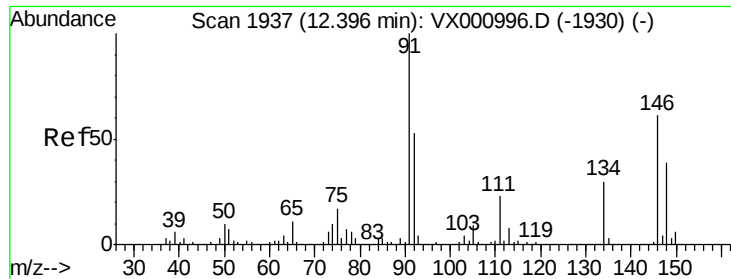
Delta R.T. 0.00 min

Lab File: VX001091.D

Acq: 24 Apr 2018 22:18

Tgt Ion:	146	Resp:	4880
Ion	Ratio	Lower	Upper
146	100		
111	11.5	18.0	54.0#
148	17.1	32.4	97.0#





#91
 1,2-Dichlorobenzene
 Concen: 1.74 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001091.D
 Acq: 24 Apr 2018 22:18

Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW100-180418

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	18.6	56.0
148	64.8	32.3	96.8

Manual Integrations
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