

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 07:05:26 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						
33) 1,2-Dichloroethane-d4	6.08	65	132339	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
35) Dibromofluoromethane	5.51	113	100840	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	
50) Toluene-d8	8.72	98	391902	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
62) 4-Bromofluorobenzene	11.14	95	142968	42.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	3790	1.58	ug/l	100
5) Bromomethane	1.65	94	257	Below	Cal #	78
6) Chloroethane	1.72	64	1041	0.73	ug/l #	73
11) Tert butyl alcohol	3.07	59	22869	59.56	ug/l	97
13) Acrolein	2.29	56	89	11.65	ug/l #	14
15) Acrylonitrile	3.17	53	274	0.26	ug/l #	34
16) Acetone	2.45	43	5982	6.24	ug/l	98
17) Carbon Disulfide	2.57	76	1920	0.34	ug/l #	94
20) Methylene Chloride	2.86	84	254	Below	Cal #	83
22) Diisopropyl ether	3.88	45	23324	3.40	ug/l	96
23) Vinyl Acetate	3.88	43	12429	2.19	ug/l #	73
25) 2-Butanone	4.72	43	1986	1.33	ug/l #	85
27) cis-1,2-Dichloroethene	4.60	96	1517	0.63	ug/l	90
29) Tetrahydrofuran	5.21	42	319	0.34	ug/l #	34
31) Cyclohexane	5.57	56	2269	0.63	ug/l	94
36) 1,1-Dichloropropene	5.67	75	12528	3.78	ug/l #	49
38) Carbon Tetrachloride	5.67	117	17390	5.18	ug/l #	16
39) Methylcyclohexane	7.47	83	1200	0.31	ug/l #	88
40) Benzene	6.15	78	459207	49.79	ug/l	100
42) 1,2-Dichloroethane	6.15	62	4498	1.27	ug/l #	76
44) Trichloroethene	7.22	130	4576	1.62	ug/l	95
52) Toluene	8.79	92	2114	0.35	ug/l	93
59) 2-Hexanone	9.32	43	13151	5.42	ug/l	77
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
74) N-amyl acetate	6.47	43	903	0.21	ug/l #	58
76) 1,2,3-Trichloropropane	11.14	75	72445	27.70	ug/l #	38
78) n-propylbenzene	11.37	91	2579	0.23	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.14	75	72445	82.73	ug/l #	8
83) tert-Butylbenzene	11.77	119	2967	0.35	ug/l	86
85) sec-Butylbenzene	11.95	105	9905	0.98	ug/l	100
86) p-Isopropyltoluene	12.24	119	13502	1.45	ug/l	92
87) 1,3-Dichlorobenzene	12.03	146	18813	3.51	ug/l	99

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QLast Update : Fri Apr 20 05:03:28 2018
Response via : Initial Calibration

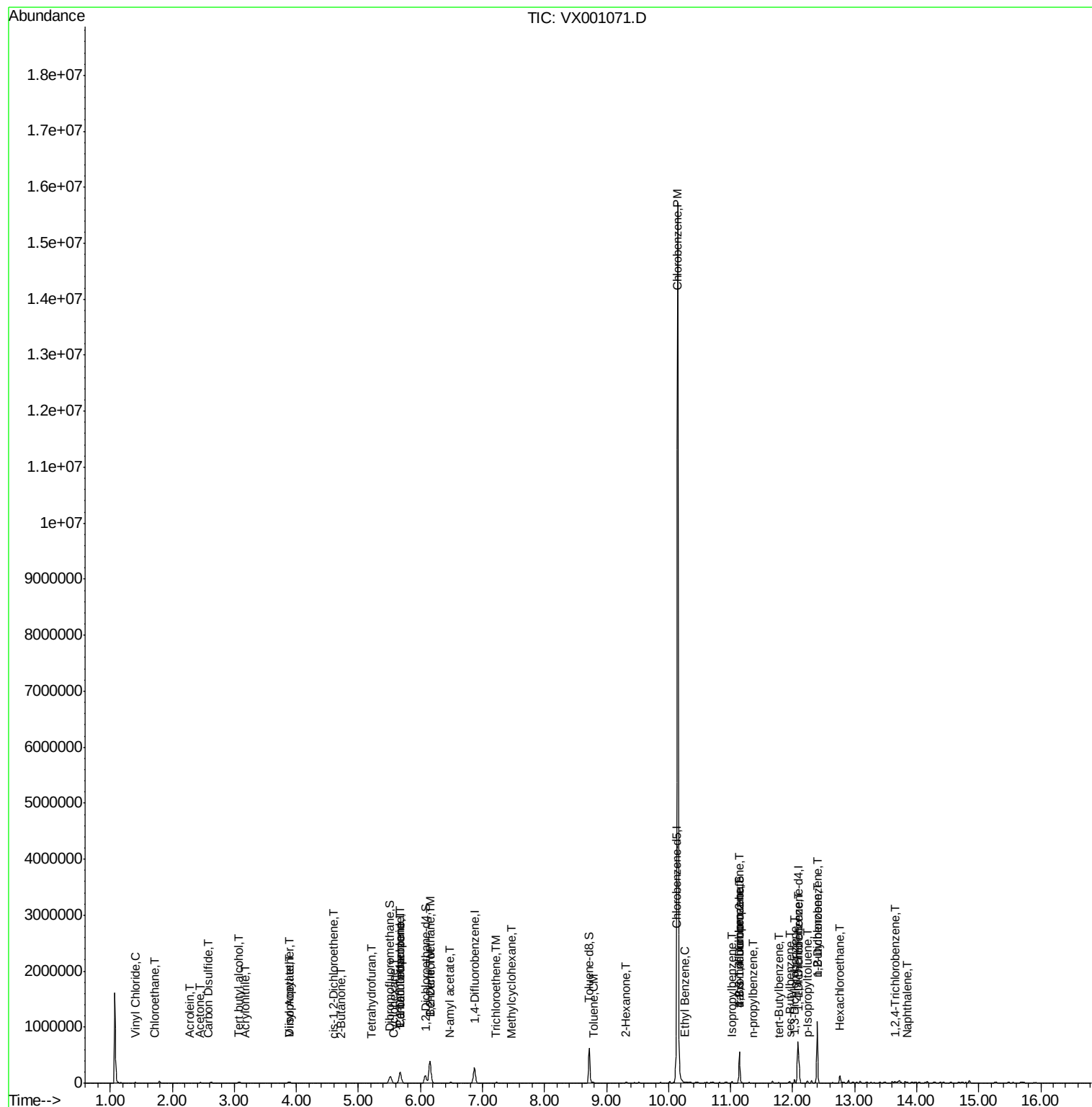
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	12.10	146	128291	23.34	ug/l	99
89) n-Butylbenzene	12.39	91	3934	0.48	ug/l #	58
90) Hexachloroethane	12.76	117	52727	39.99	ug/l #	1
91) 1,2-Dichlorobenzene	12.40	146	357803	69.01	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	1783	0.41	ug/l #	60
95) Naphthalene	13.84	128	8704	0.81	ug/l #	92

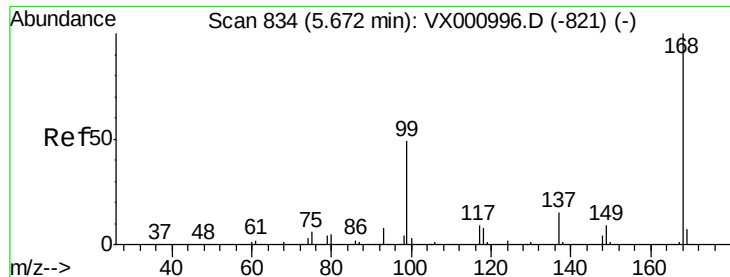
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

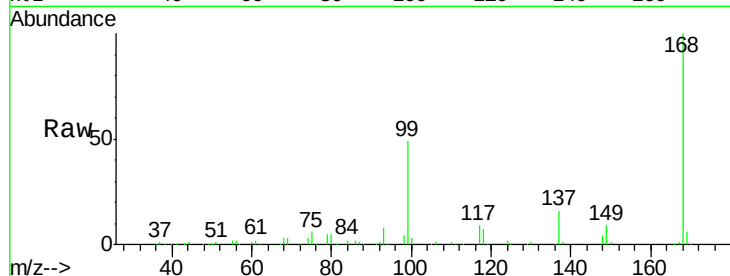
LF015MW047-180418

Tgt 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

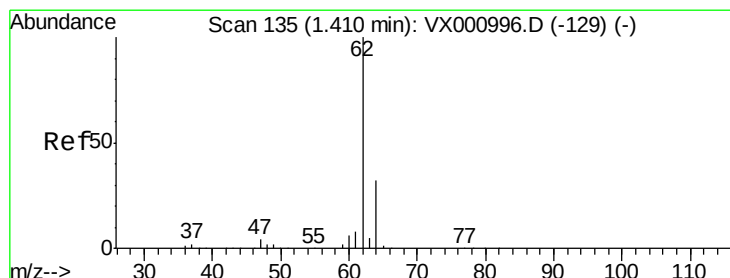
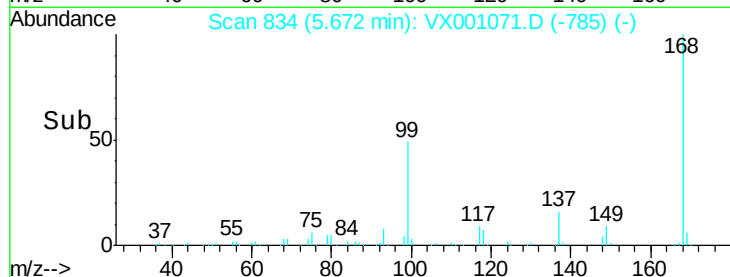
60000

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

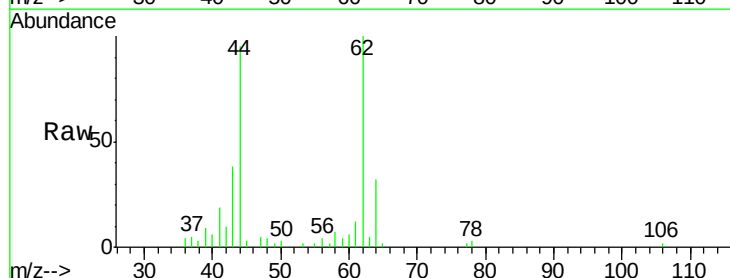
Acq: 23 Apr 2018 20:35

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

1.40

4000

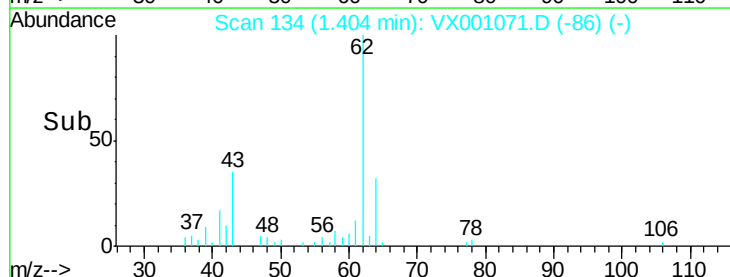
3000

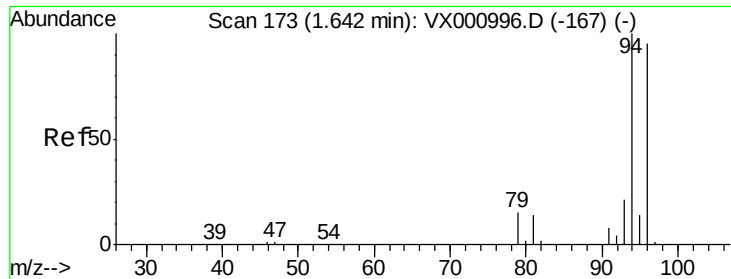
2000

1000

0

Time--> 1.35 1.40 1.45





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001071.D

Acq: 23 Apr 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

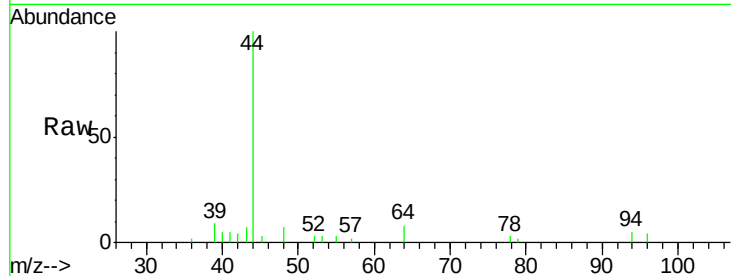
LF015MW047-180418

Tgt Ion: 94 Resp: 257

Ion Ratio Lower Upper

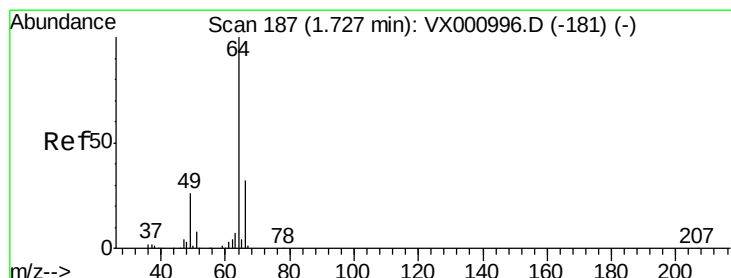
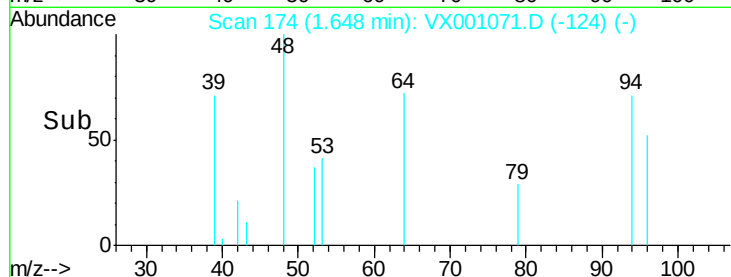
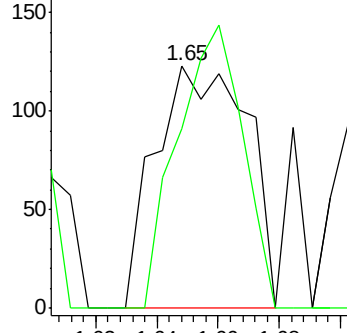
94 100

96 74.0 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.73 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX001071.D

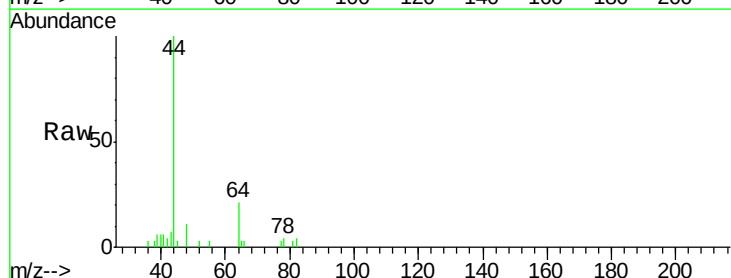
Acq: 23 Apr 2018 20:35

Tgt Ion: 64 Resp: 1041

Ion Ratio Lower Upper

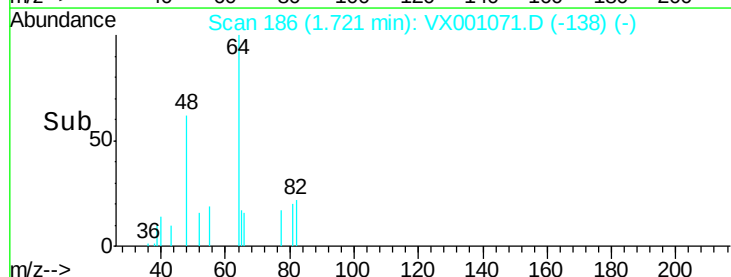
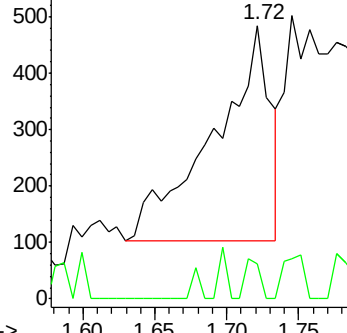
64 100

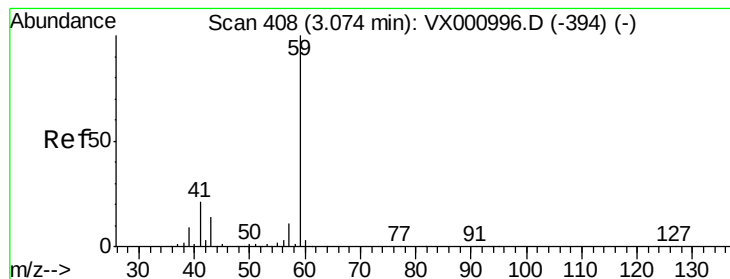
66 16.5 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#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 :

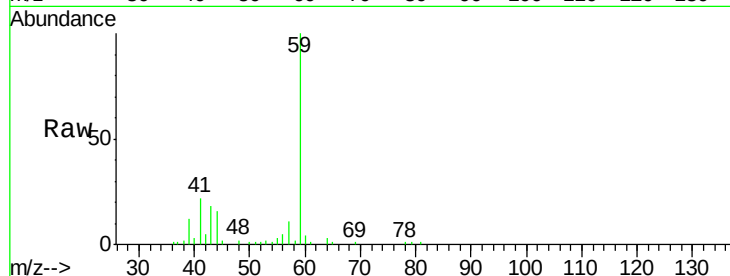
LF015MW047-180418

Tgt Ion: 59 Resp: 22869

Ion Ratio Lower Upper

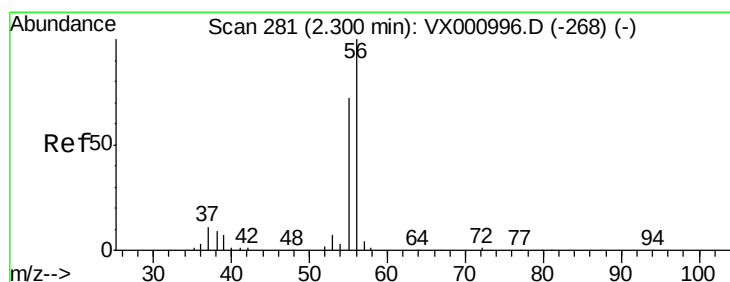
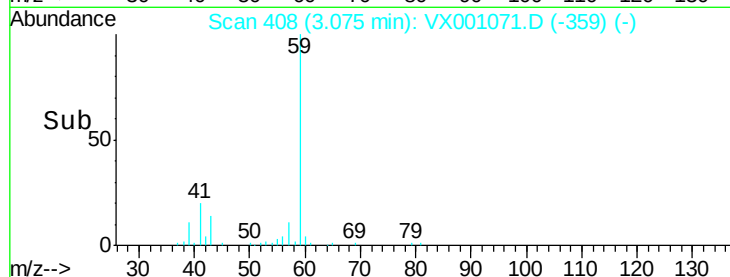
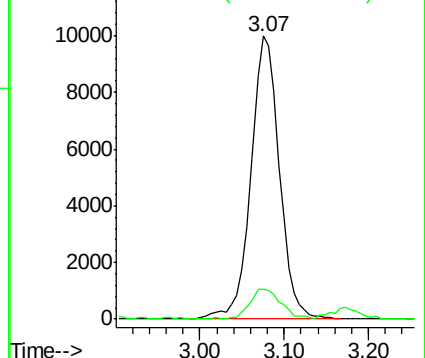
59 100

57 11.5 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 11.65 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX001071.D

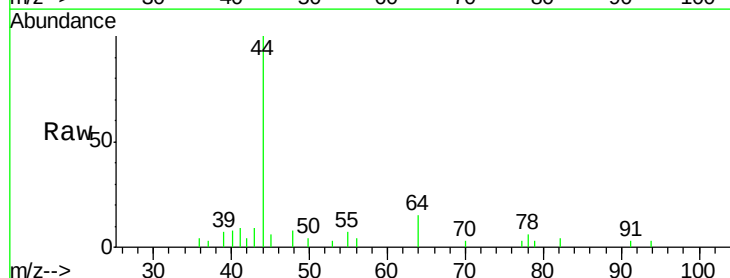
Acq: 23 Apr 2018 20:35

Tgt Ion: 56 Resp: 89

Ion Ratio Lower Upper

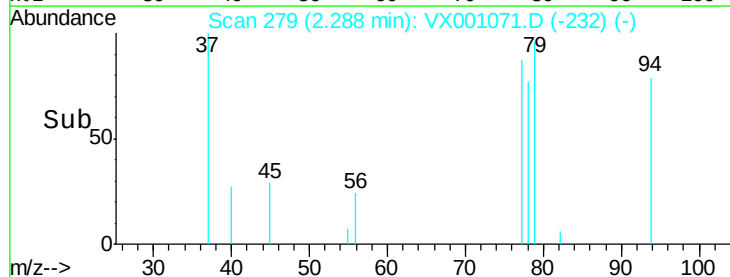
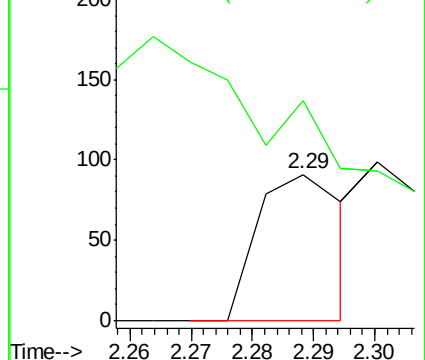
56 100

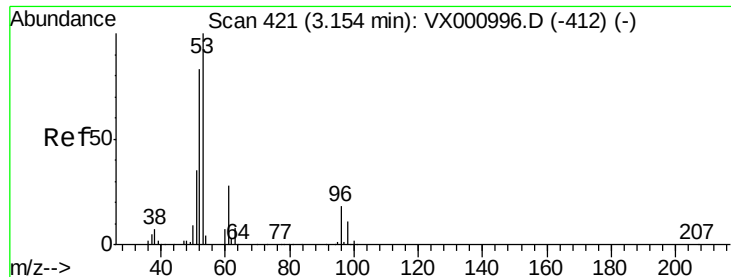
55 0.0 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.26 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.02 min

Lab File: VX001071.D

Acq: 23 Apr 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

LF015MW047-180418

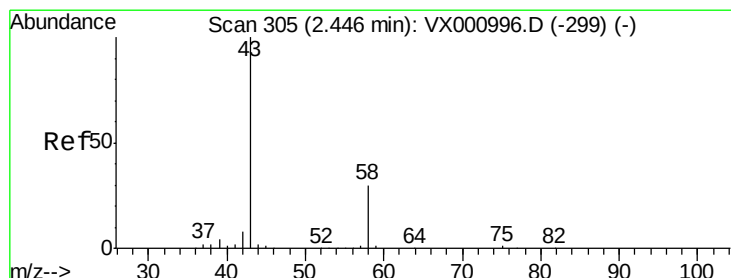
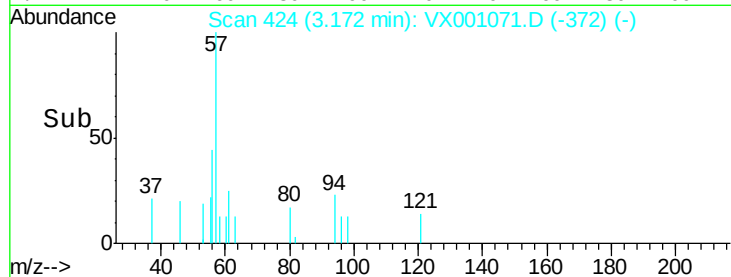
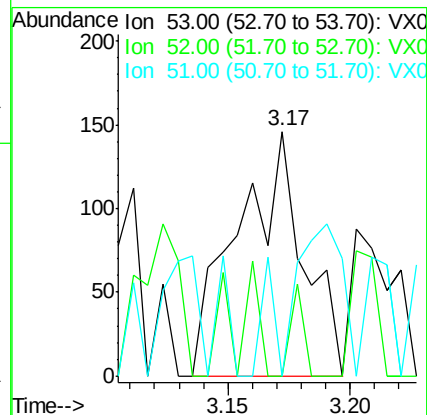
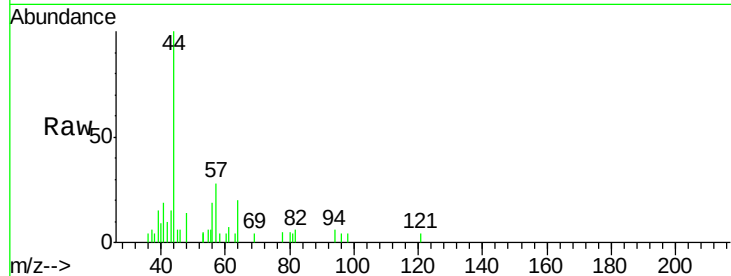
Tgt Ion: 53 Resp: 274

Ion Ratio Lower Upper

53 100

52 7.3 66.4 99.6#

51 50.7 29.0 43.6#



#16

Acetone

Concen: 6.24 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001071.D

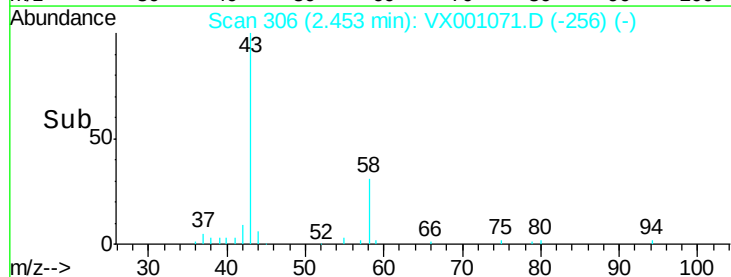
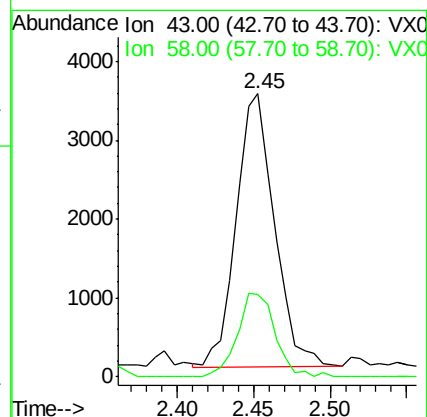
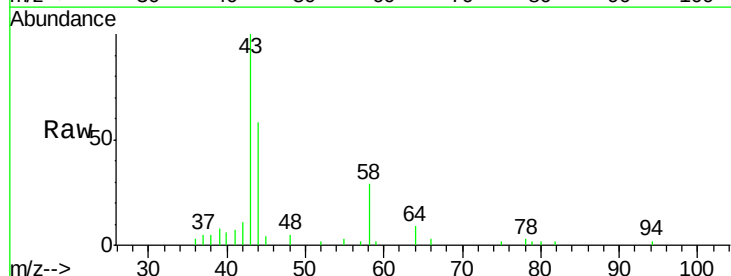
Acq: 23 Apr 2018 20:35

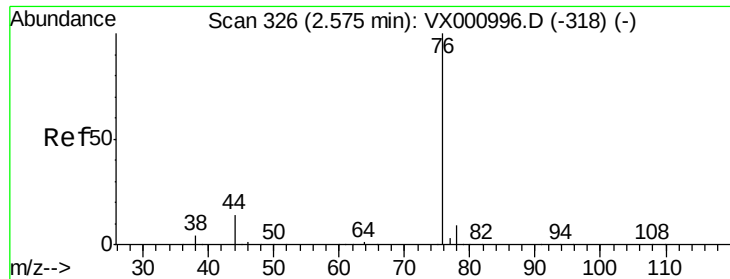
Tgt Ion: 43 Resp: 5982

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 :

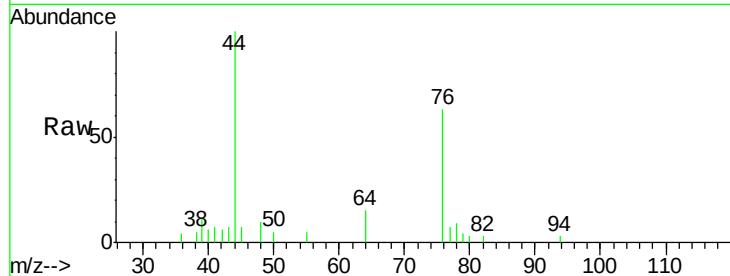
LF015MW047-180418

Tgt Ion: 76 Resp: 1920

Ion Ratio Lower Upper

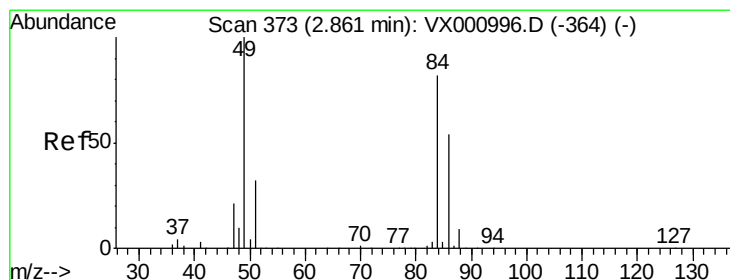
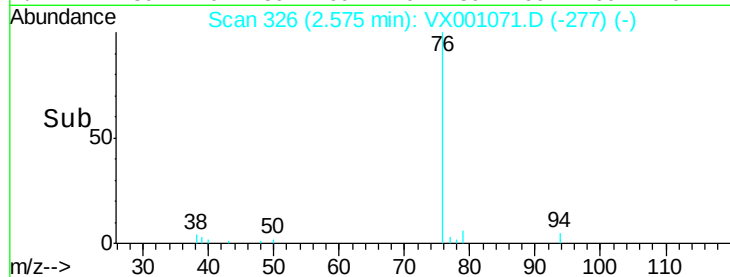
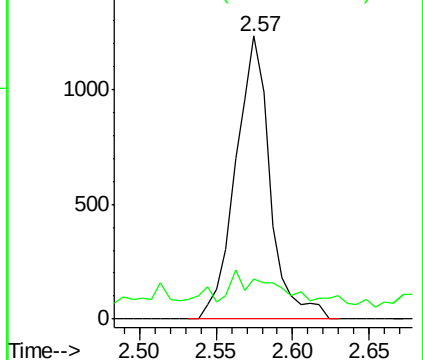
76 100

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



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001071.D

Acq: 23 Apr 2018 20:35

Tgt Ion: 84 Resp: 254

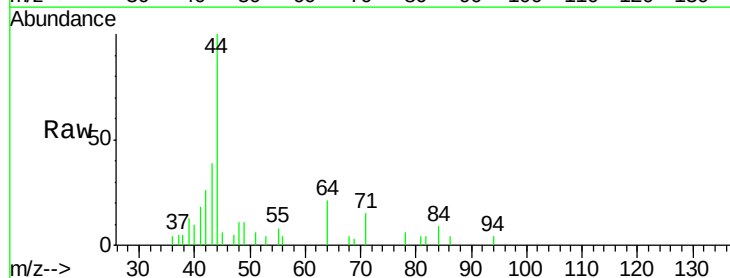
Ion Ratio Lower Upper

84 100

49 127.9 97.1 145.7

51 63.6 30.8 46.2#

86 46.8 52.3 78.5#

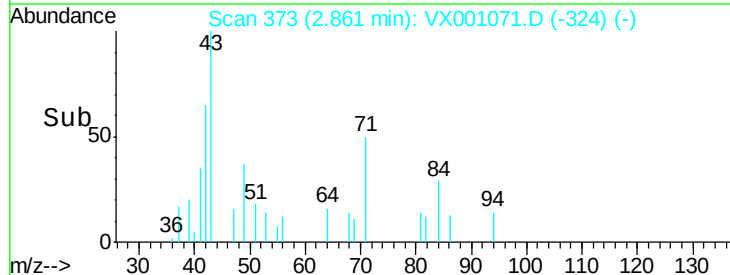
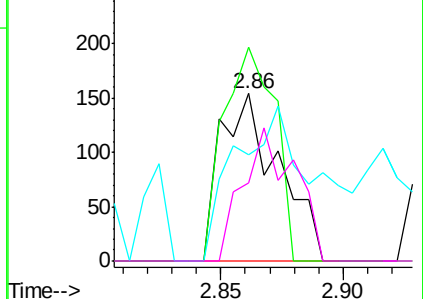


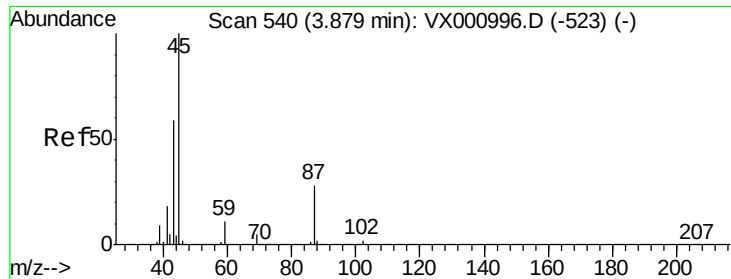
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

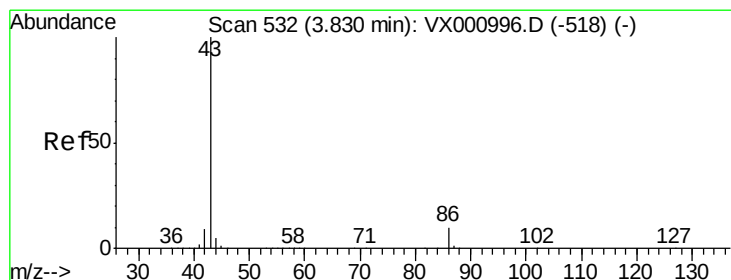
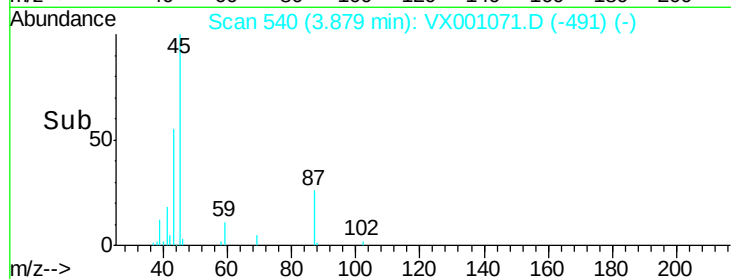
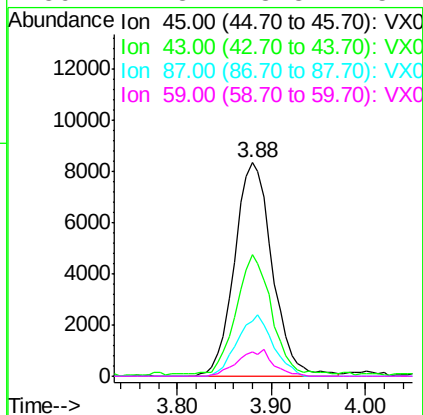
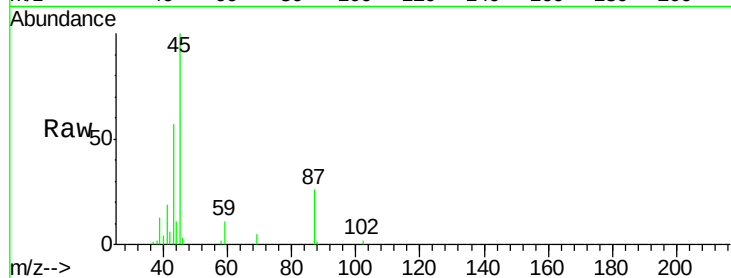




#22
Diisopropyl ether
Concen: 3.40 ug/l
RT: 3.88 min Scan# 540
Delta R.T. 0.00 min
Lab File: VX001071.D
Acq: 23 Apr 2018 20:35

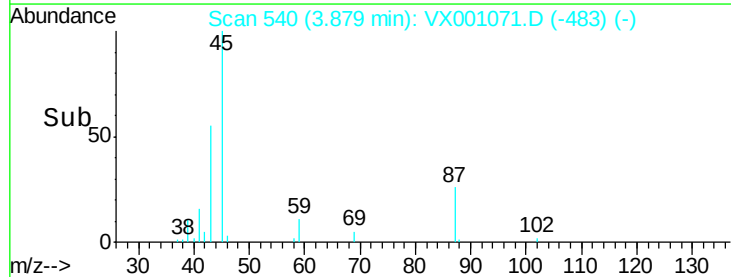
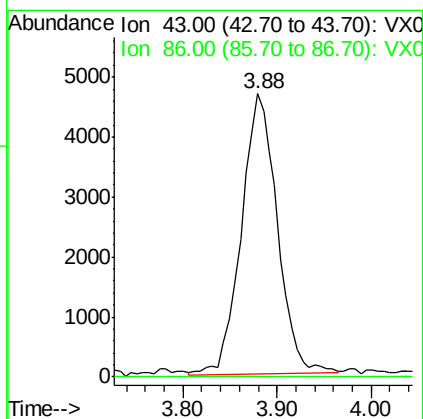
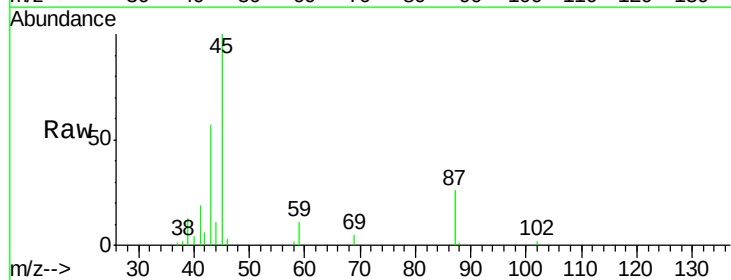
Instrument :
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ClientSampleId :
LF015MW047-180418

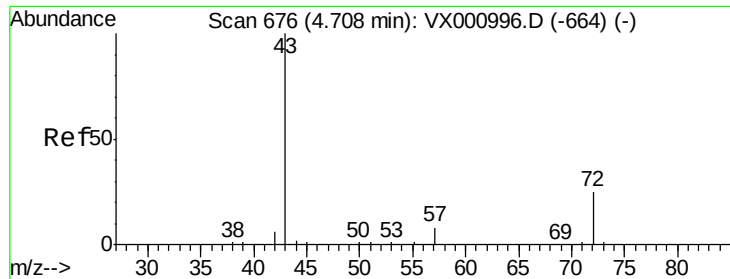
Tgt Ion:	45	Resp:	23324
Ion	Ratio	Lower	Upper
45	100		
43	55.6	47.0	70.4
87	25.7	22.5	33.7
59	11.3	8.8	13.2



#23
Vinyl Acetate
Concen: 2.19 ug/l
RT: 3.88 min Scan# 540
Delta R.T. 0.05 min
Lab File: VX001071.D
Acq: 23 Apr 2018 20:35

Tgt Ion:	43	Resp:	12429
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.1	12.1#





#25

2-Butanone

Concen: 1.33 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001071.D

Acq: 23 Apr 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

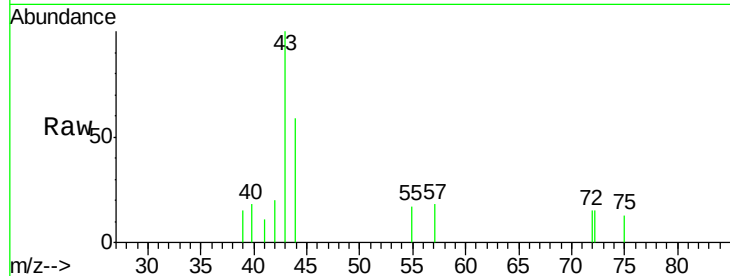
LF015MW047-180418

Tgt Ion: 43 Resp: 1986

Ion Ratio Lower Upper

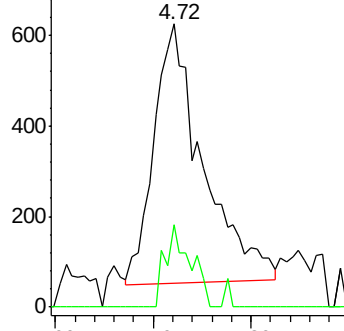
43 100

72 32.2 19.9 29.9#

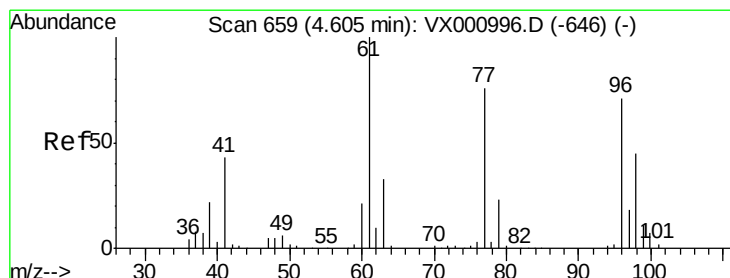
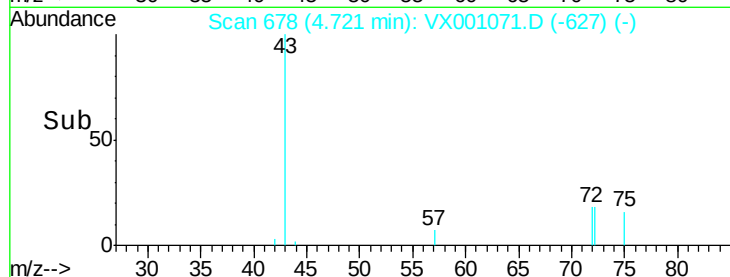


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time--> 4.60 4.70 4.80



#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

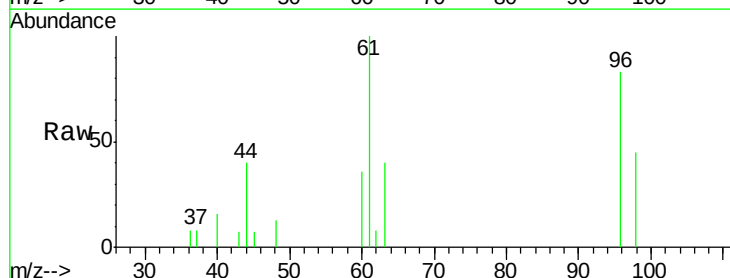
Tgt Ion: 96 Resp: 1517

Ion Ratio Lower Upper

96 100

61 132.8 0.0 297.0

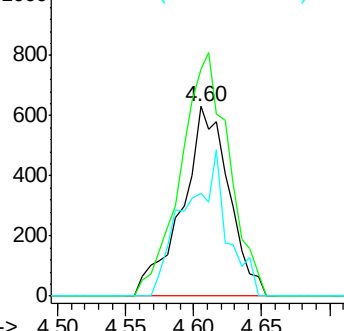
98 68.6 0.0 130.0



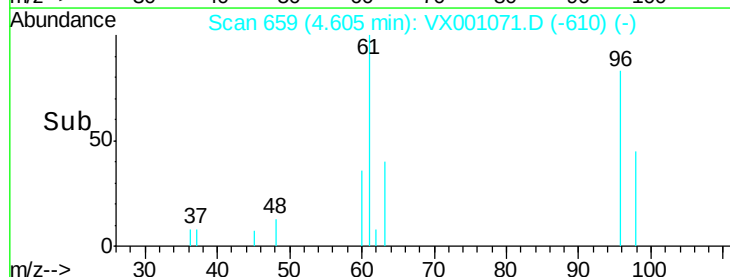
Abundance Ion 95.90 (95.60 to 96.60): VX0

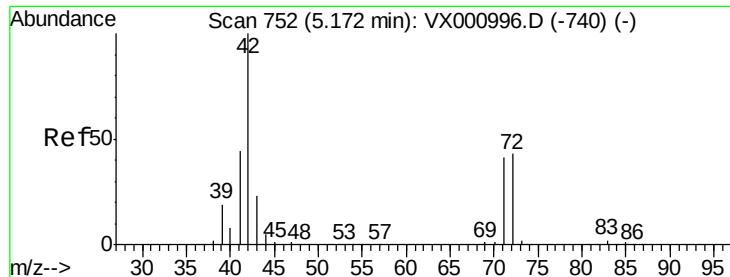
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time--> 4.50 4.55 4.60 4.65





#29

Tetrahydrofuran

Concen: 0.34 ug/l

RT: 5.21 min Scan# 758

Delta R.T. 0.04 min

Lab File: VX001071.D

Acq: 23 Apr 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

LF015MW047-180418

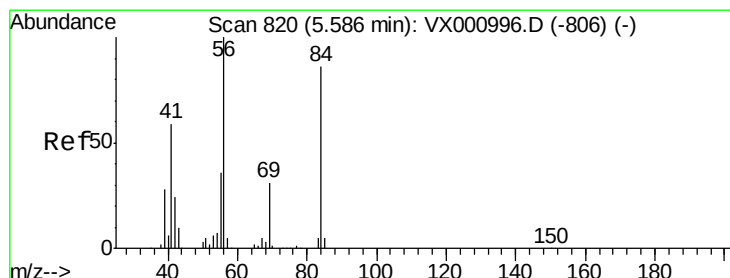
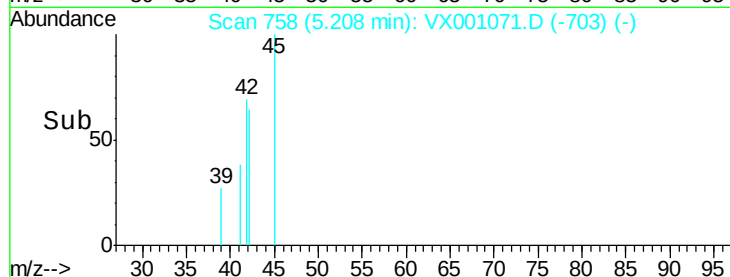
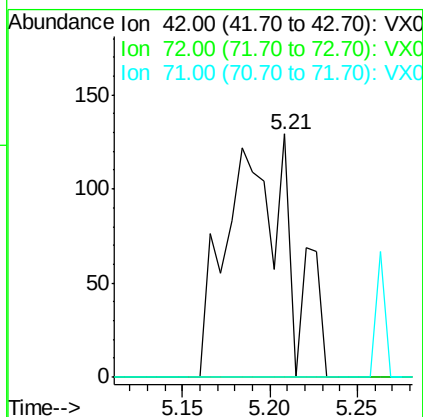
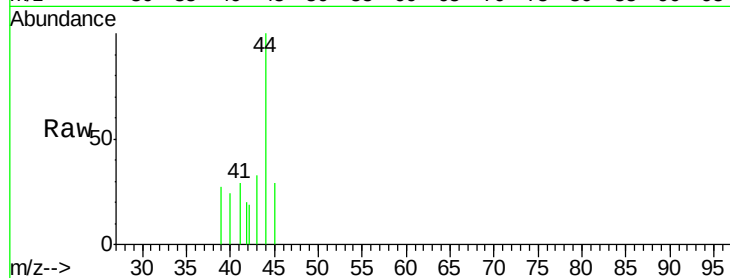
Tgt Ion: 42 Resp: 319

Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

71 0.0 32.6 49.0#



#31

Cyclohexane

Concen: 0.63 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001071.D

Acq: 23 Apr 2018 20:35

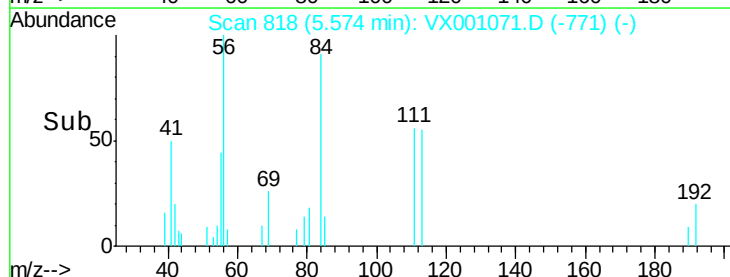
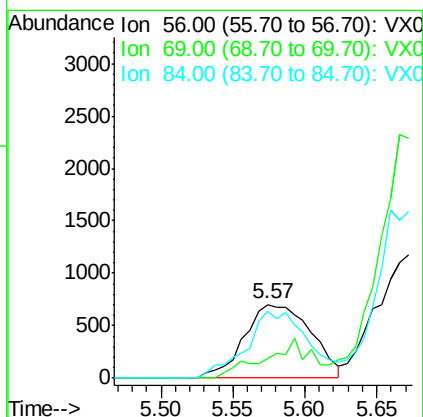
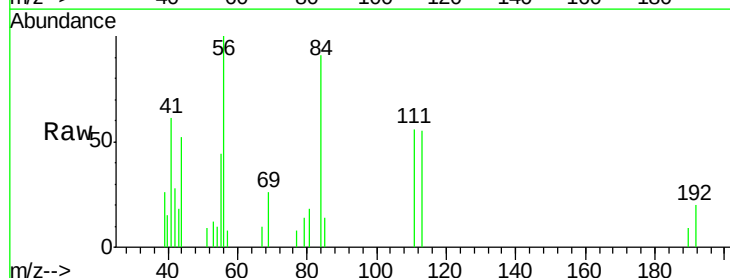
Tgt Ion: 56 Resp: 2269

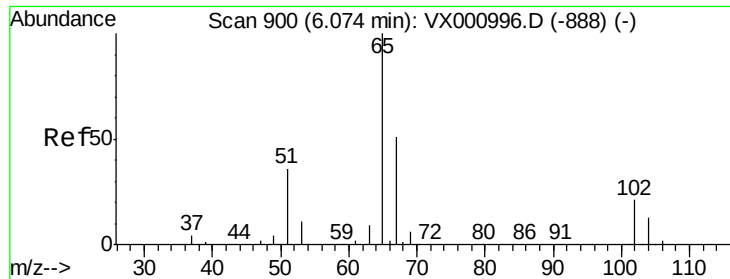
Ion Ratio Lower Upper

56 100

69 26.4 24.6 36.8

84 91.3 69.0 103.6

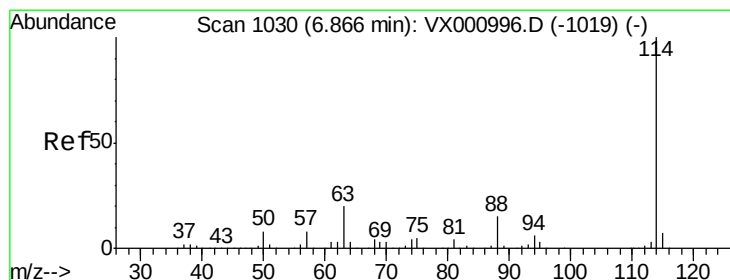
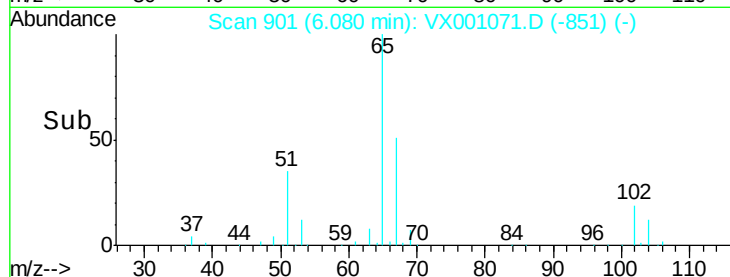
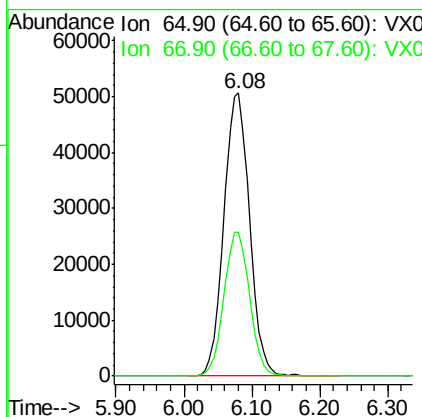
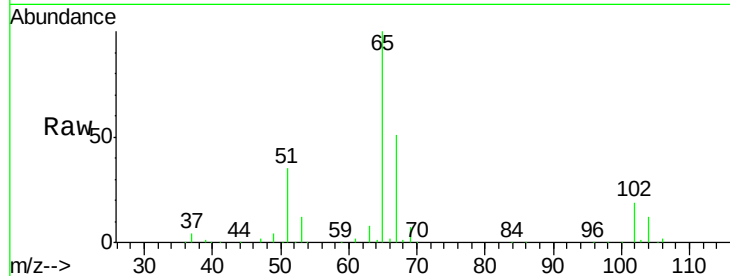




#33
 1,2-Dichloroethane-d4
 Concen: 51.98 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001071.D
 Acq: 23 Apr 2018 20:35

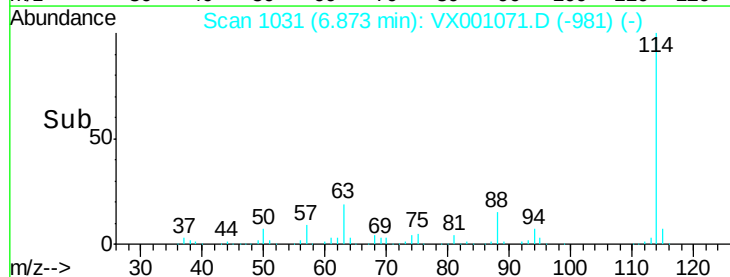
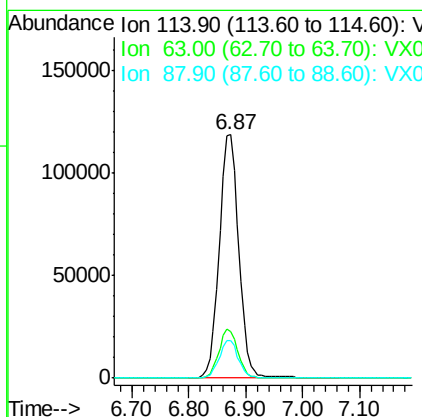
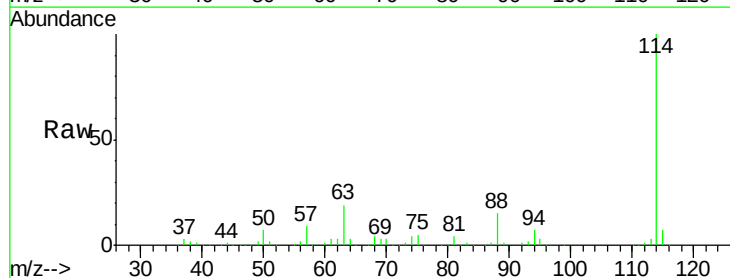
Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW047-180418

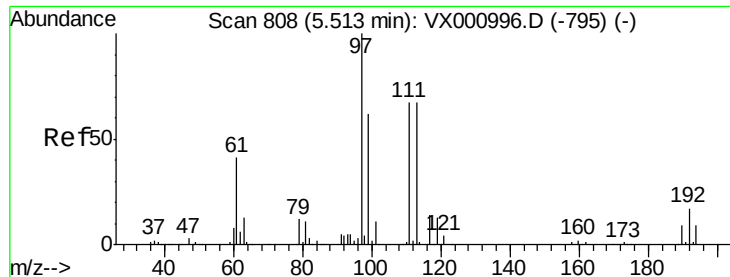
Tgt Ion: 65 Resp: 132339
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.6



#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

Tgt Ion: 114 Resp: 282325
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.4
 88 15.4 0.0 29.8

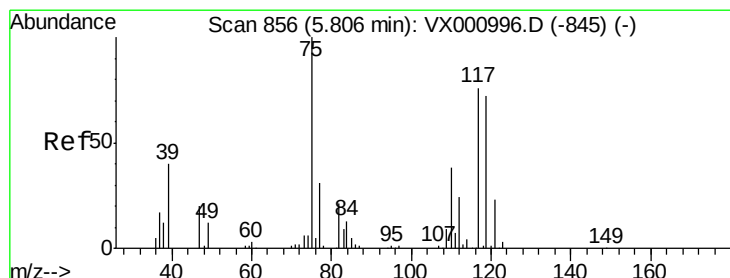
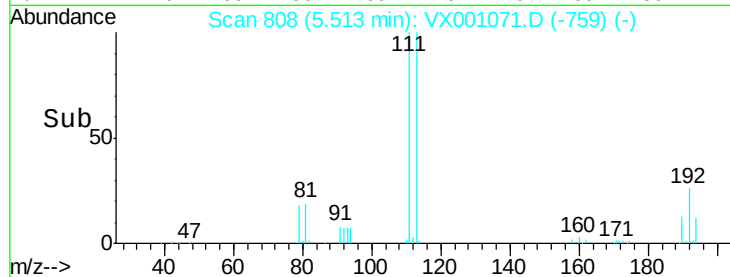
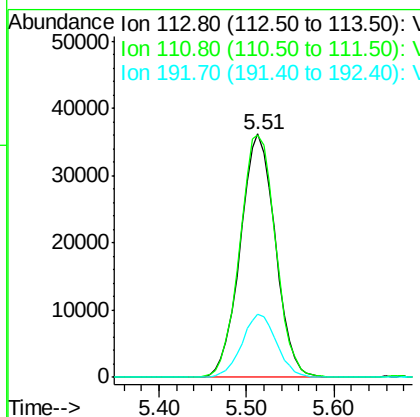
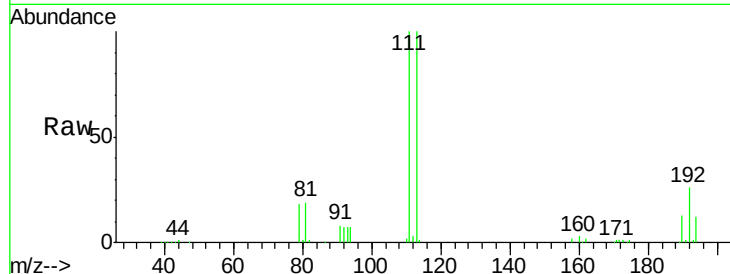




#35
 Dibromofluoromethane
 Concen: 46.84 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001071.D
 Acq: 23 Apr 2018 20:35

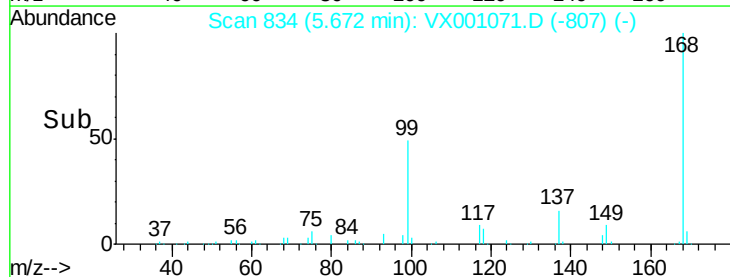
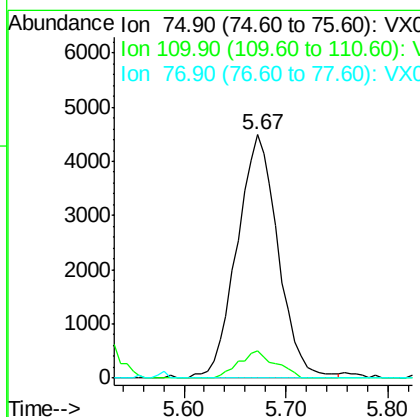
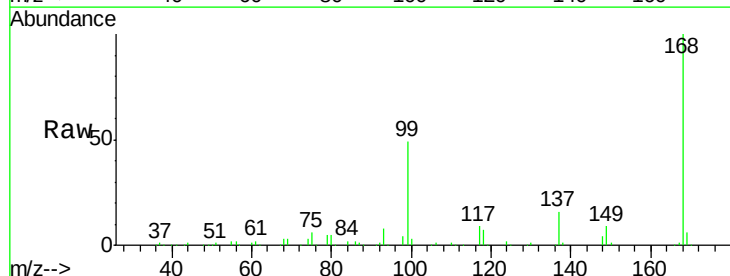
Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW047-180418

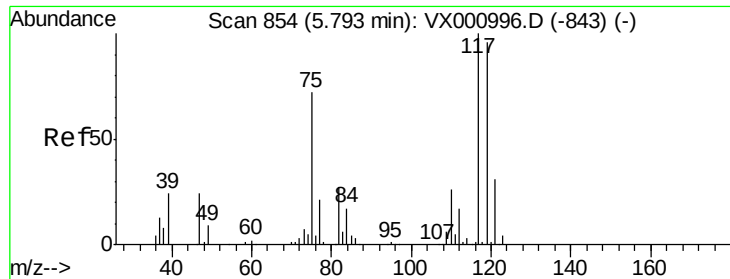
Tgt Ion:113 Resp: 100840
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.4 122.2
 192 25.6 20.4 30.6



#36
 1,1-Dichloropropene
 Concen: 3.78 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001071.D
 Acq: 23 Apr 2018 20:35

Tgt Ion: 75 Resp: 12528
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.7 56.1#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.18 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001071.D

Acq: 23 Apr 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

LF015MW047-180418

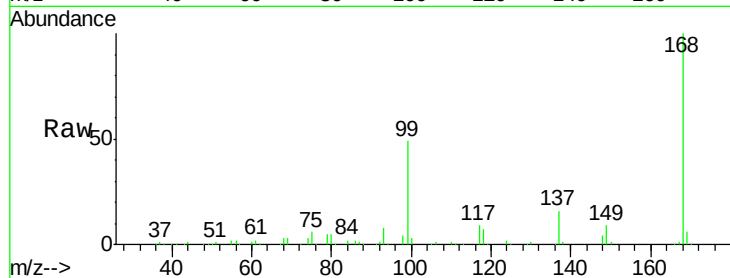
Tgt Ion:117 Resp: 17390

Ion Ratio Lower Upper

117 100

119 4.6 76.5 114.7#

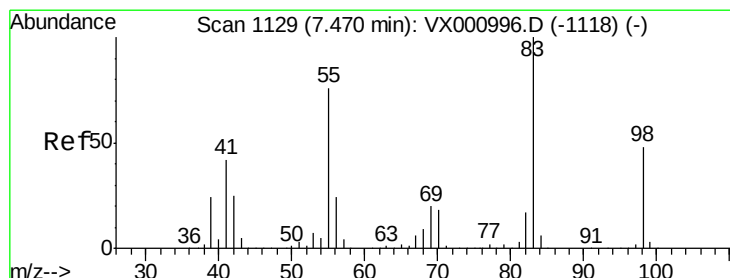
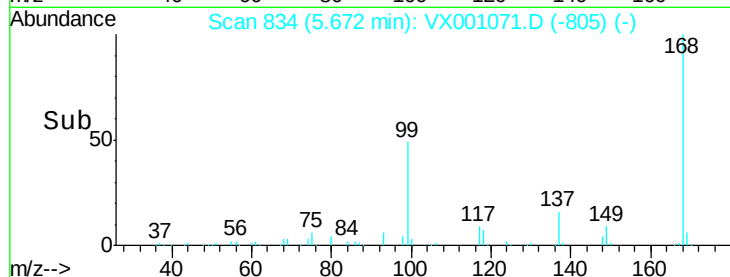
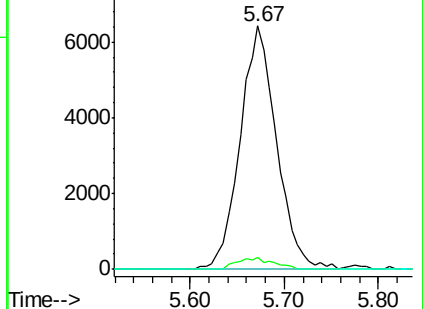
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

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

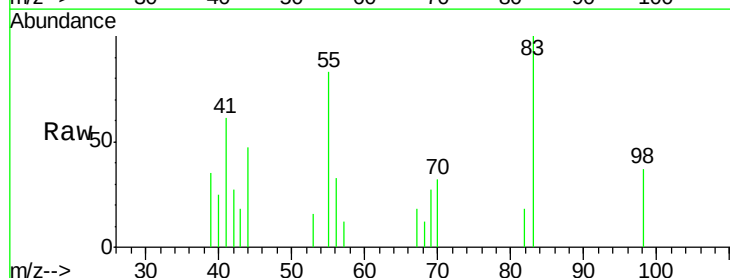
Tgt Ion: 83 Resp: 1200

Ion Ratio Lower Upper

83 100

55 67.6 60.6 91.0

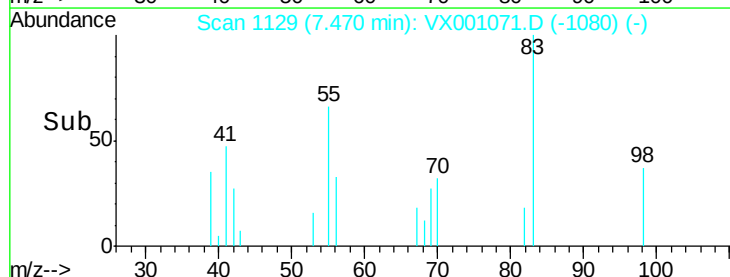
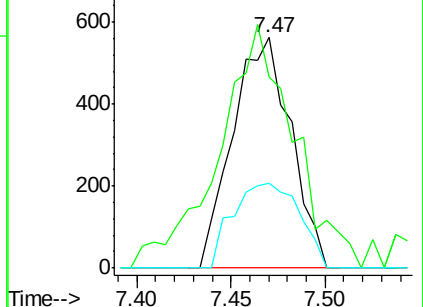
98 37.0 38.2 57.4#

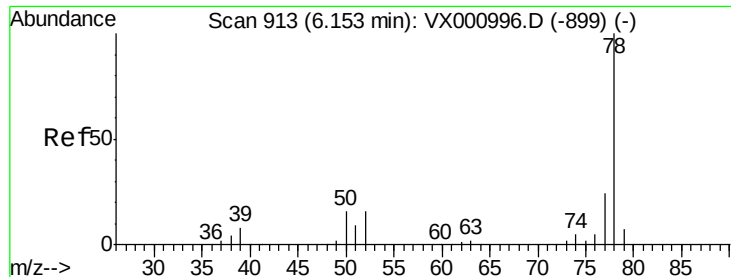


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 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

Instrument :

MSVOA_X

ClientSampleId :

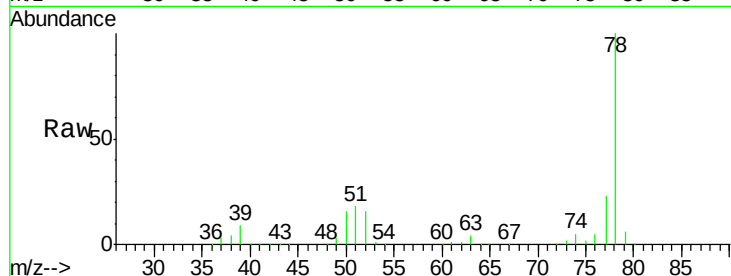
LF015MW047-180418

Tgt Ion: 78 Resp: 459207

Ion Ratio Lower Upper

78 100

77 23.4 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.15

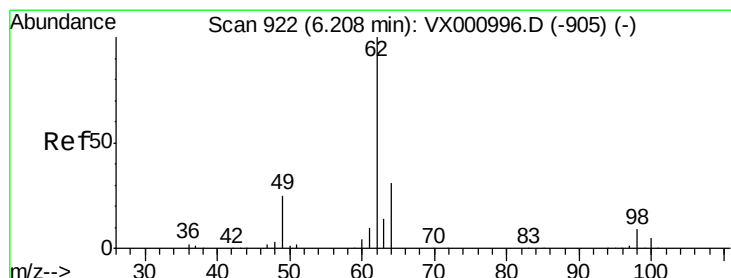
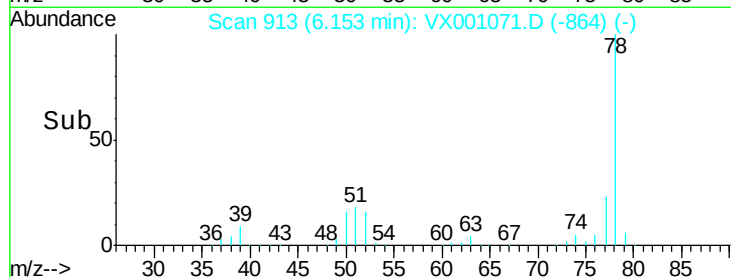
150000

100000

50000

0

Time-->



#42

1,2-Dichloroethane

Concen: 1.27 ug/l

RT: 6.15 min Scan# 913

Delta R.T. -0.05 min

Lab File: VX001071.D

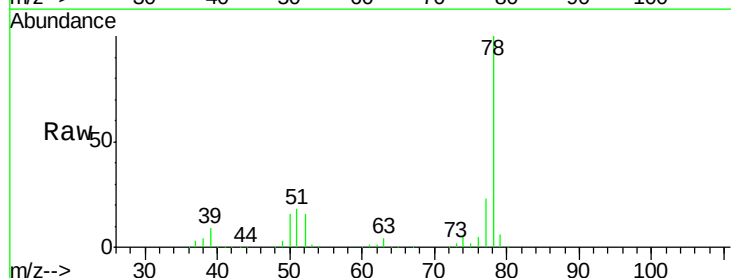
Acq: 23 Apr 2018 20:35

Tgt Ion: 62 Resp: 4498

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

2000

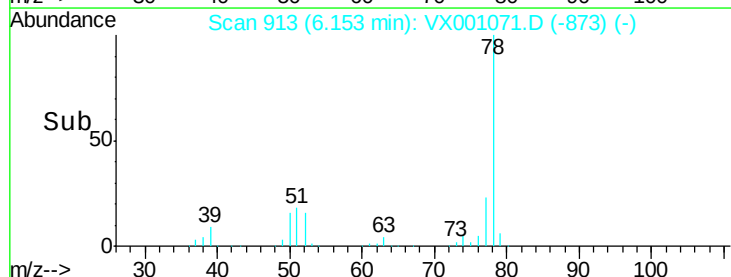
1500

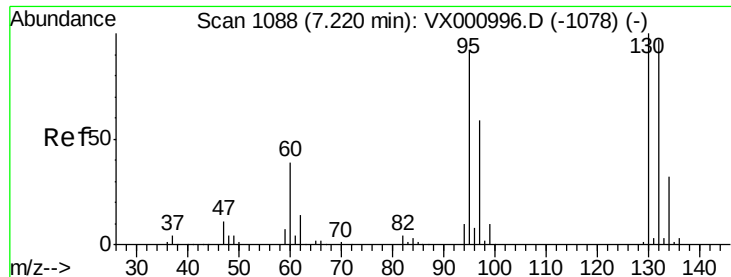
1000

500

0

Time-->





#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 :

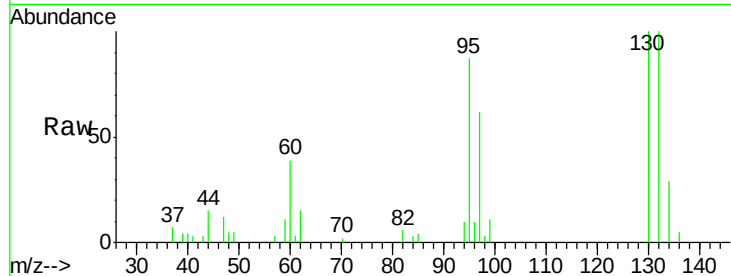
LF015MW047-180418

Tgt Ion:130 Resp: 4576

Ion Ratio Lower Upper

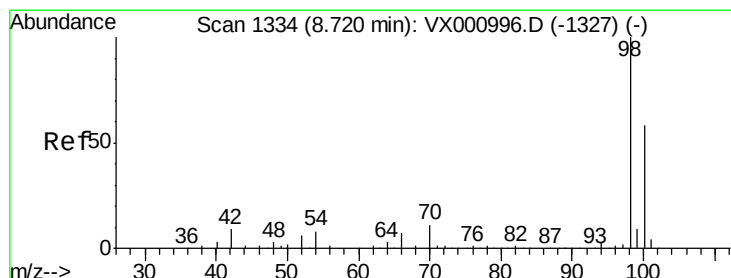
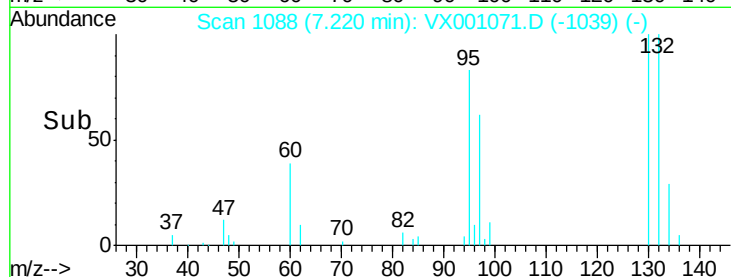
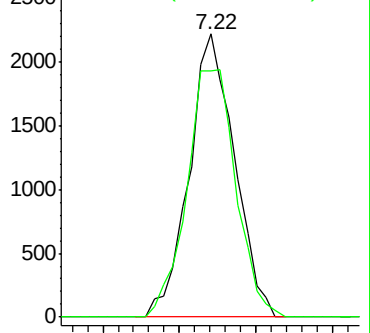
130 100

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

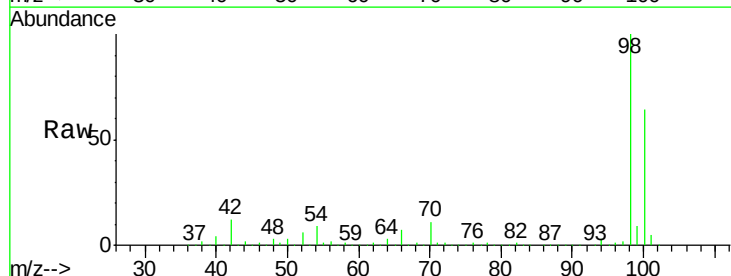
Acq: 23 Apr 2018 20:35

Tgt Ion: 98 Resp: 391902

Ion Ratio Lower Upper

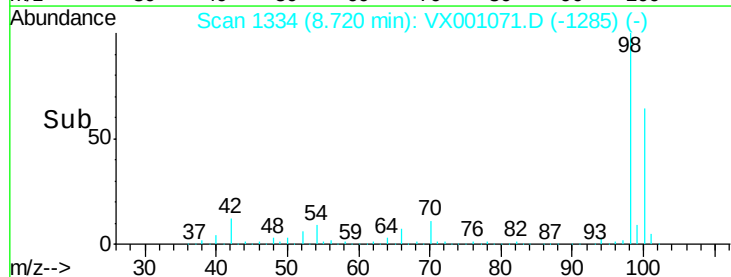
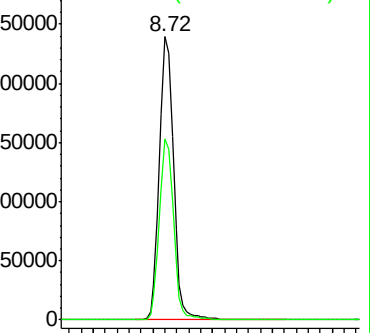
98 100

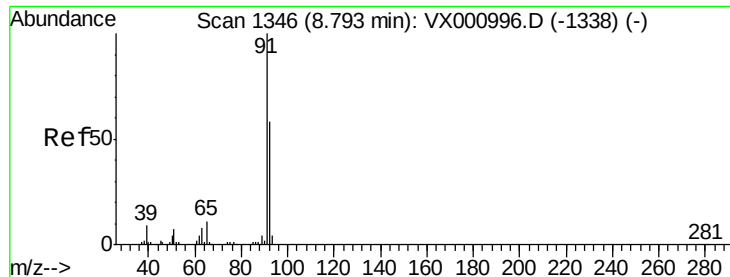
100 64.0 51.9 77.9



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 :

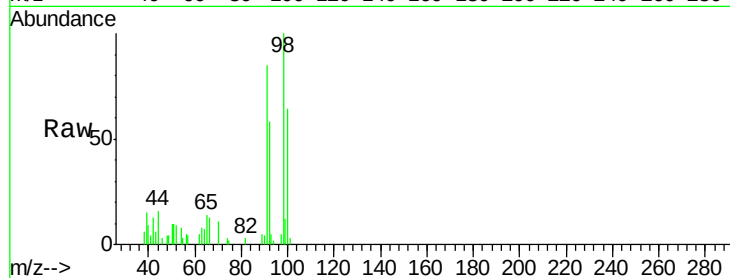
LF015MW047-180418

Tgt Ion: 92 Resp: 2114

Ion Ratio Lower Upper

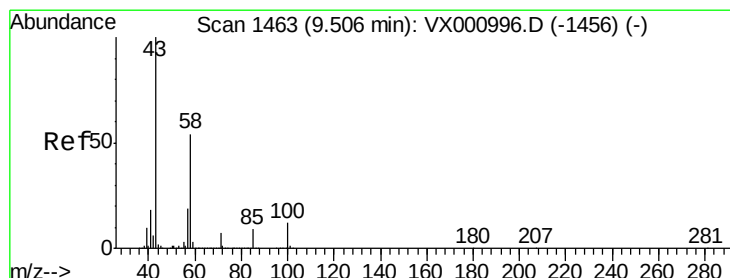
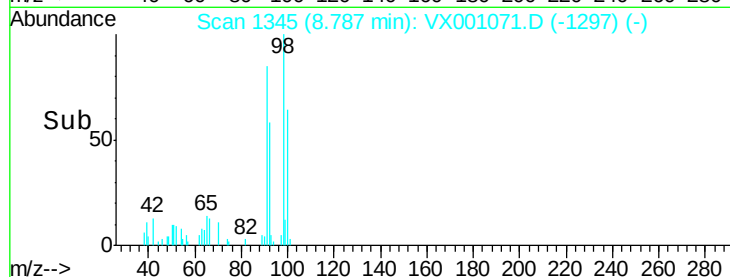
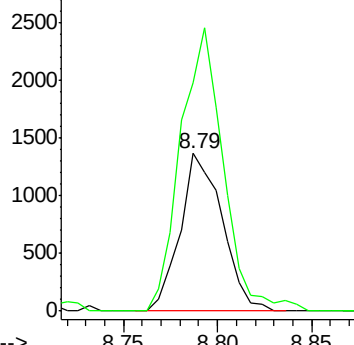
92 100

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



#59

2-Hexanone

Concen: 5.42 ug/l

RT: 9.32 min Scan# 1432

Delta R.T. -0.19 min

Lab File: VX001071.D

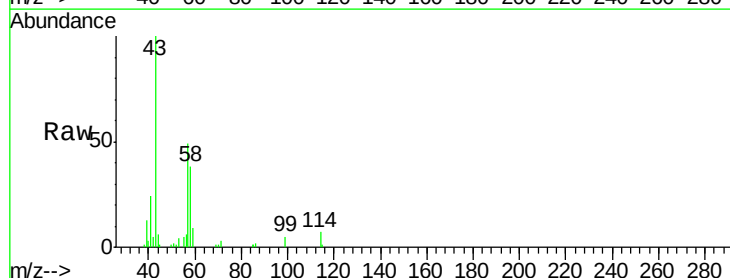
Acq: 23 Apr 2018 20:35

Tgt Ion: 43 Resp: 13151

Ion Ratio Lower Upper

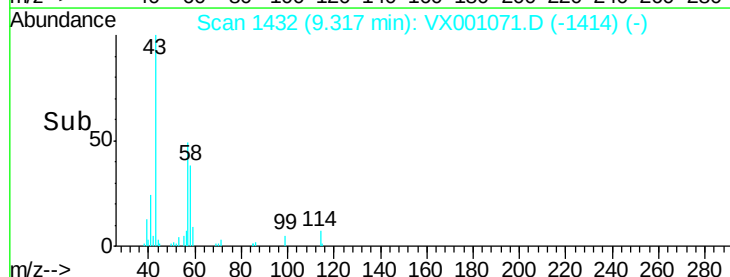
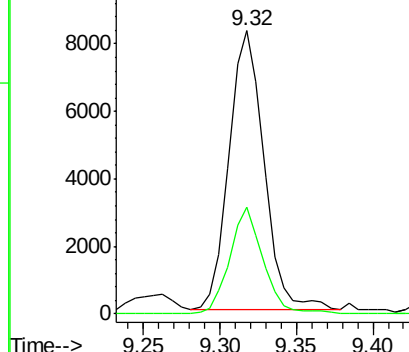
43 100

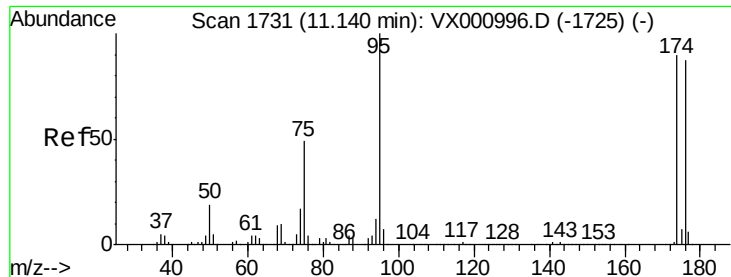
58 36.4 26.3 78.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

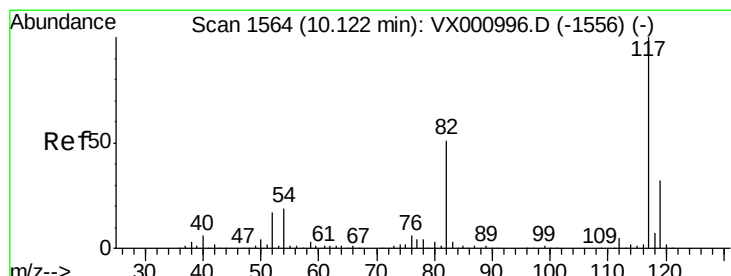
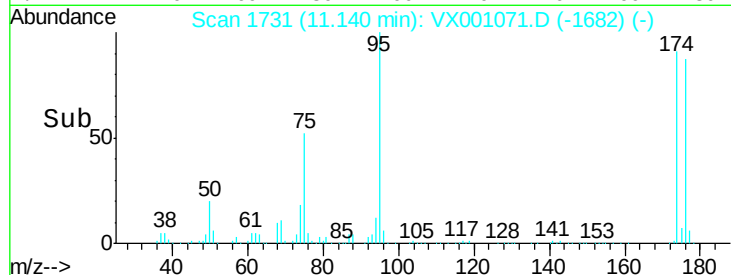
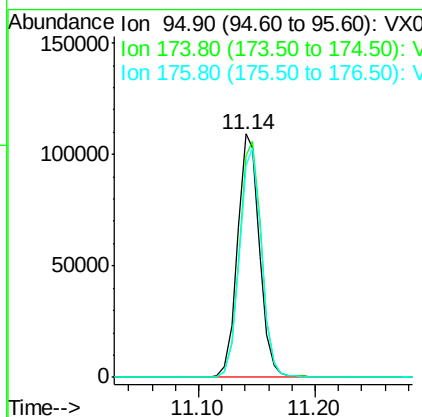
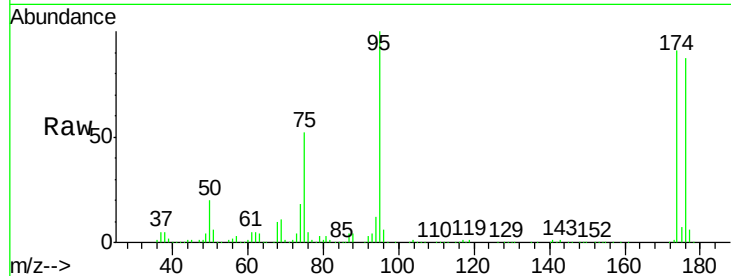




#62
4-Bromofluorobenzene
Concen: 42.79 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001071.D
Acq: 23 Apr 2018 20:35

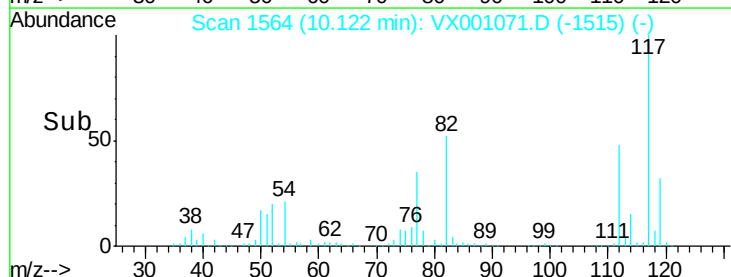
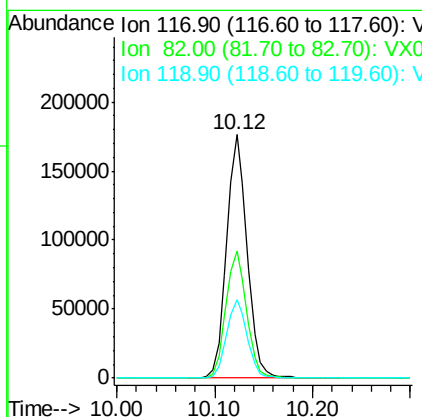
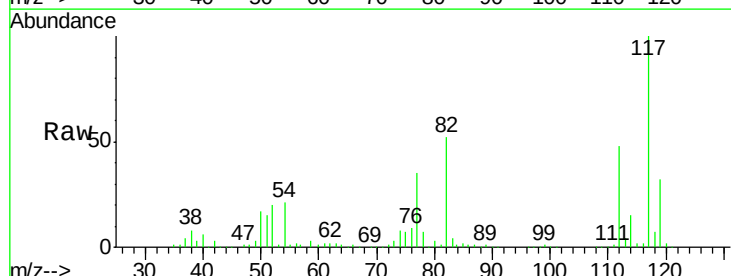
Instrument :
MSVOA_X
ClientSampleId :
LF015MW047-180418

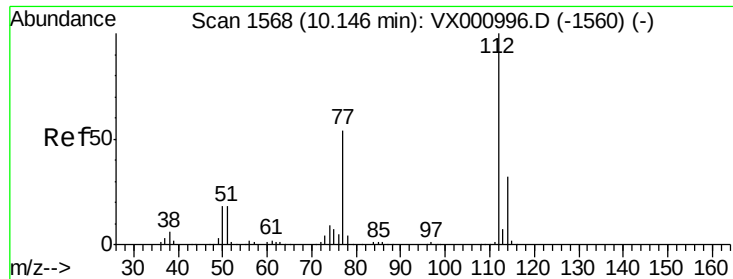
Tgt Ion: 95 Resp: 142968
Ion Ratio Lower Upper
95 100
174 97.8 0.0 198.4
176 94.7 0.0 192.0



#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

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

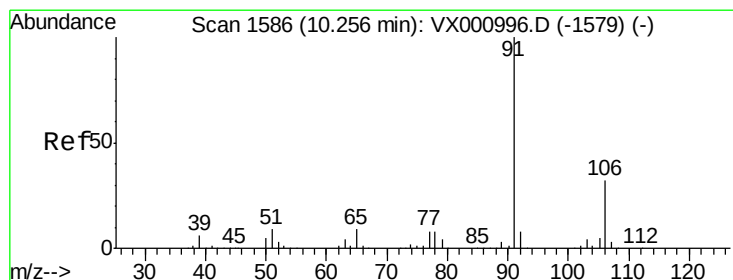
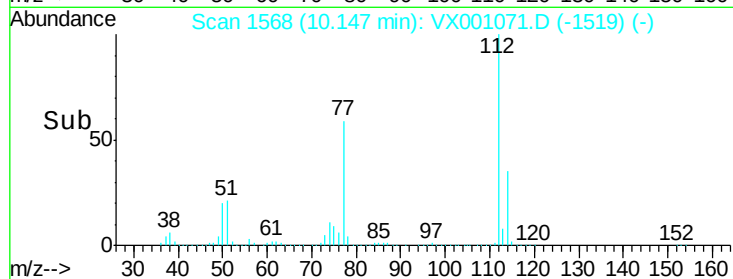
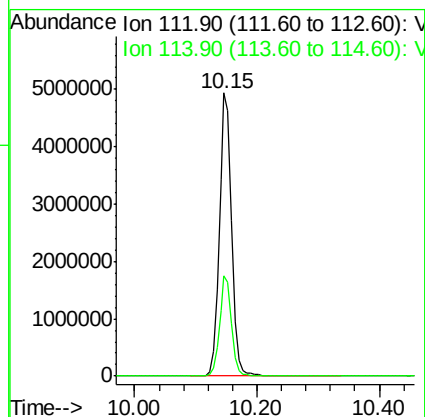
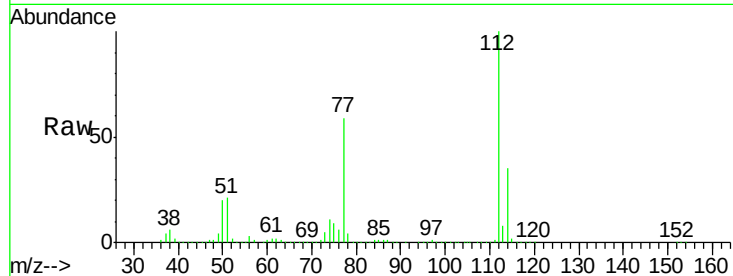




#65
Chlorobenzene
Concen: 1033.09 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001071.D
Acq: 23 Apr 2018 20:35

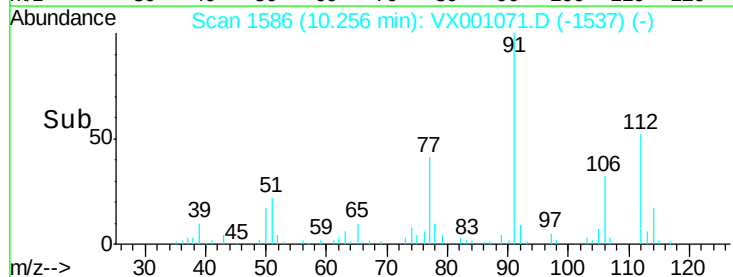
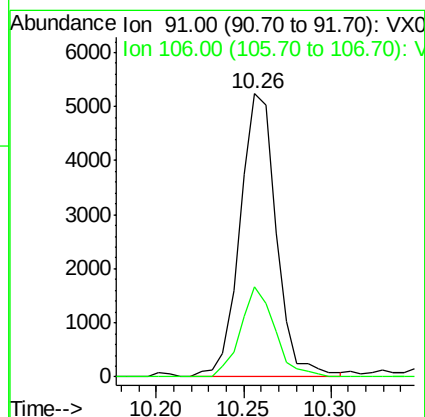
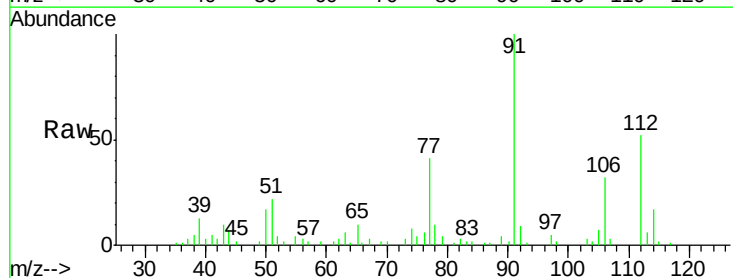
Instrument :
MSVOA_X
ClientSampleId :
LF015MW047-180418

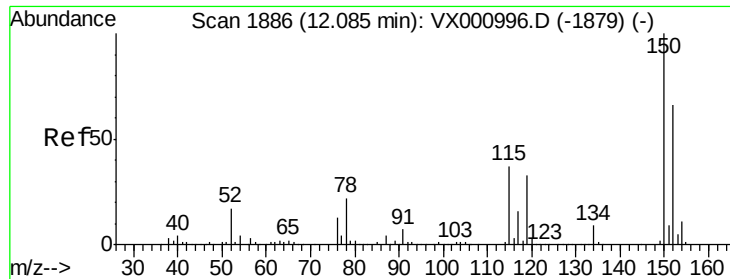
Tgt Ion: 112 Resp: 7065386
Ion Ratio Lower Upper
112 100
114 35.4 25.5 38.3



#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

Tgt 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

Instrument :

MSVOA_X

ClientSampleId :

LF015MW047-180418

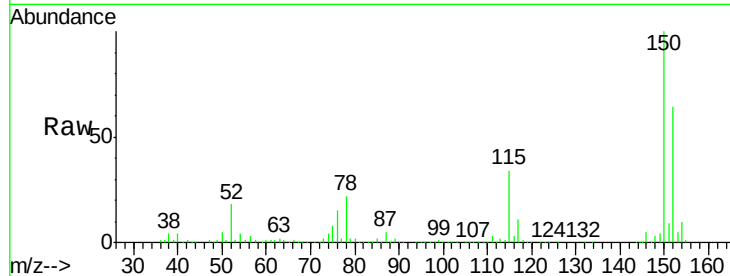
Tgt Ion:152 Resp: 150747

Ion Ratio Lower Upper

152 100

115 53.8 38.2 114.6

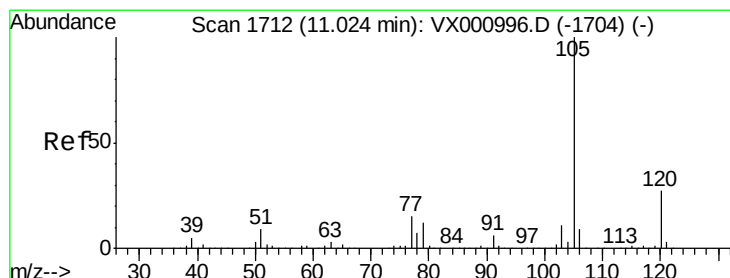
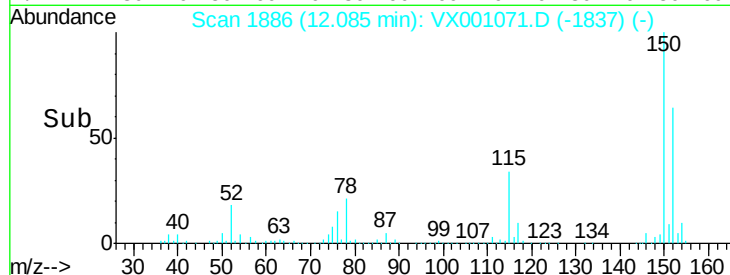
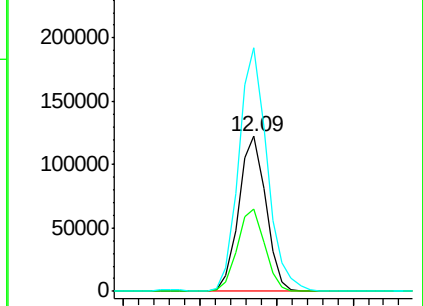
150 164.5 0.0 350.4



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: 1.18 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001071.D

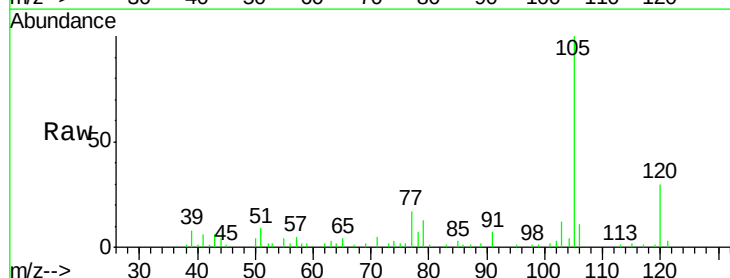
Acq: 23 Apr 2018 20:35

Tgt Ion:105 Resp: 11666

Ion Ratio Lower Upper

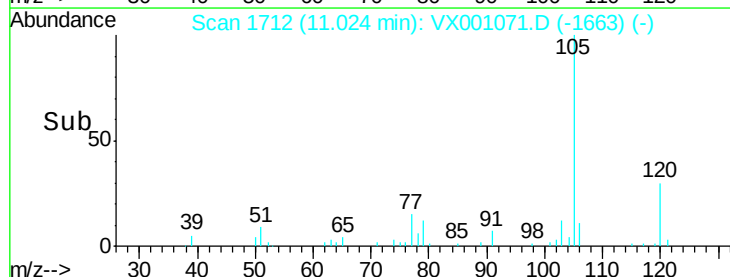
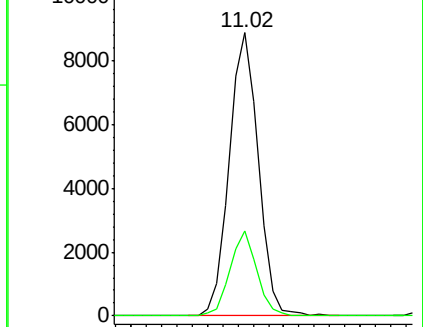
105 100

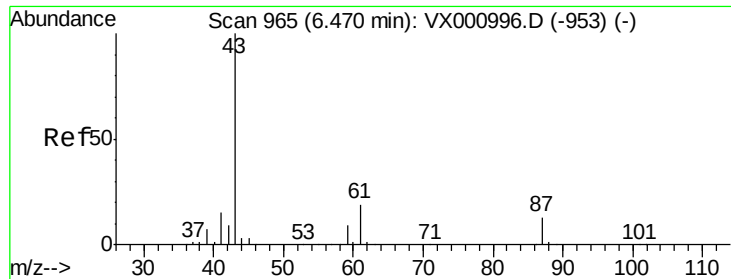
120 27.6 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 0.21 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX001071.D

Acq: 23 Apr 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

LF015MW047-180418

Tgt Ion: 43 Resp: 903

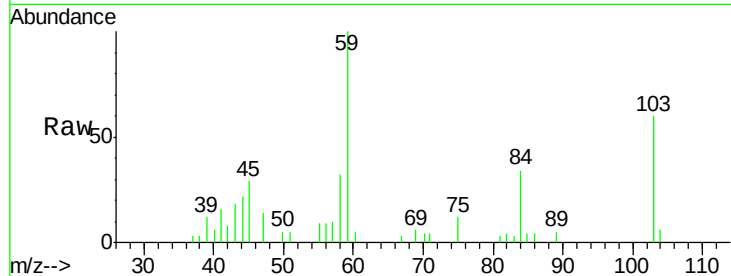
Ion Ratio Lower Upper

43 100

70 11.3 0.0 0.0#

55 18.7 0.1 0.1#

61 0.0 15.4 23.2#

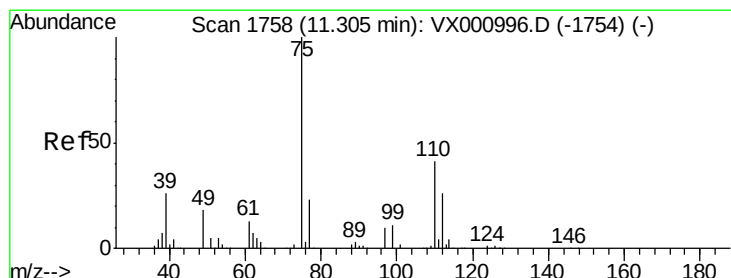
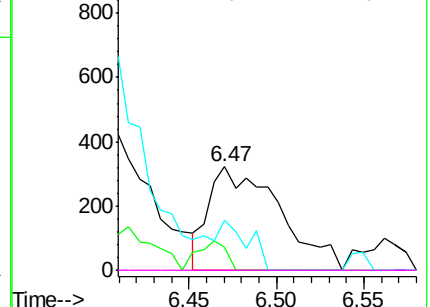
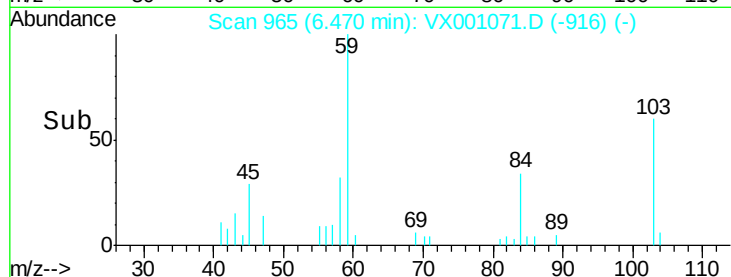


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 27.70 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001071.D

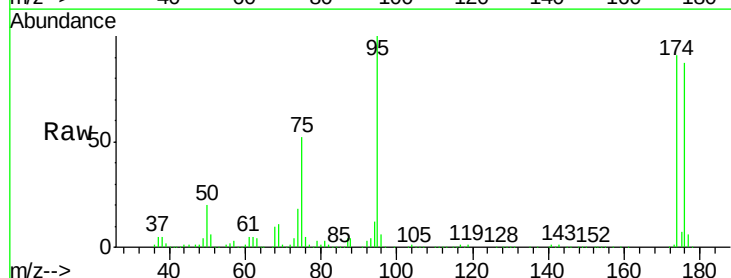
Acq: 23 Apr 2018 20:35

Tgt Ion: 75 Resp: 72445

Ion Ratio Lower Upper

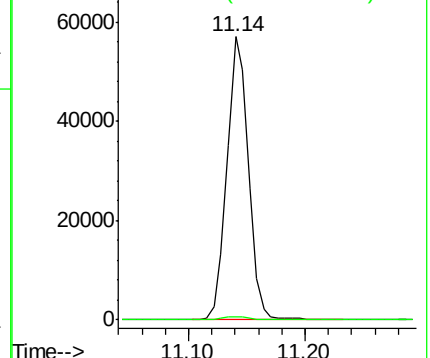
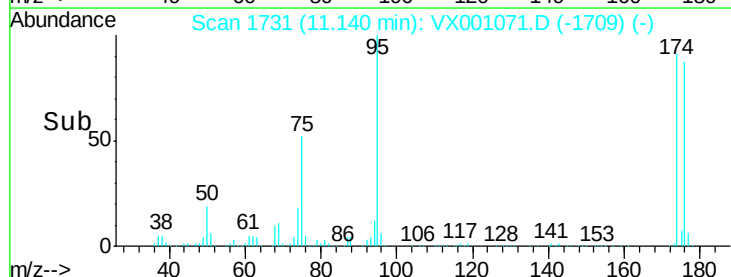
75 100

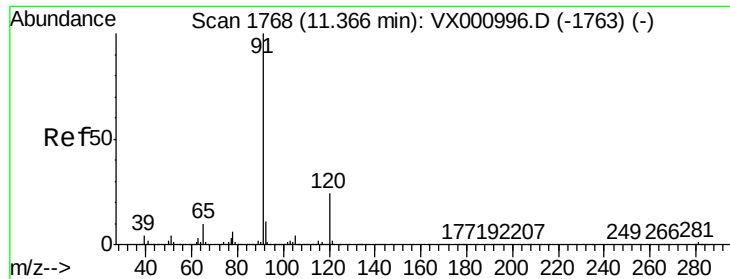
77 1.3 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

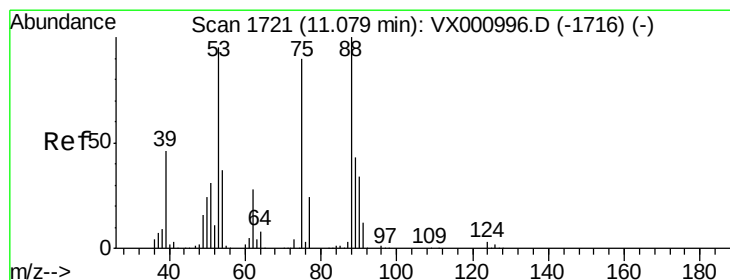
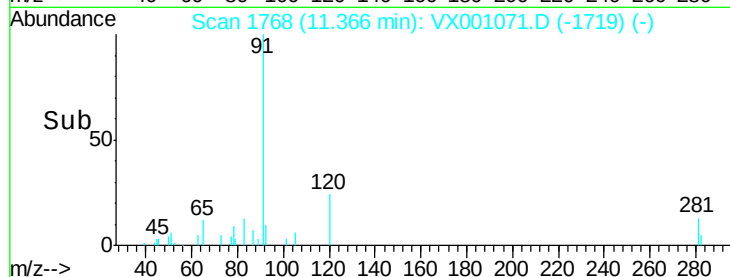
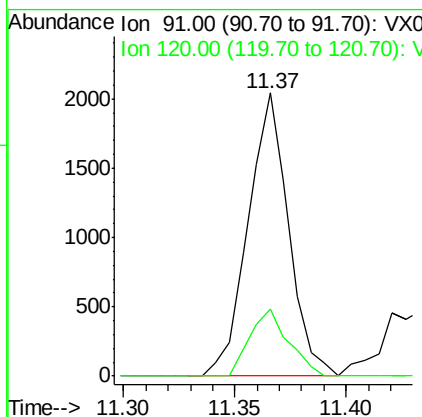
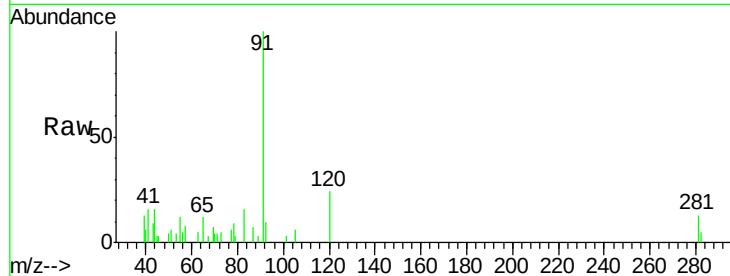




#78
 n-propylbenzene
 Concen: 0.23 ug/l
 RT: 11.37 min Scan# 1768
 Delta R.T. 0.00 min
 Lab File: VX001071.D
 Acq: 23 Apr 2018 20:35

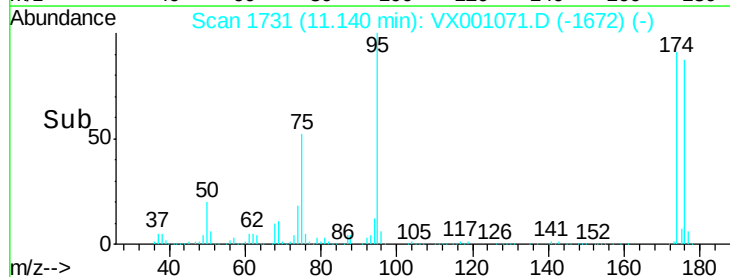
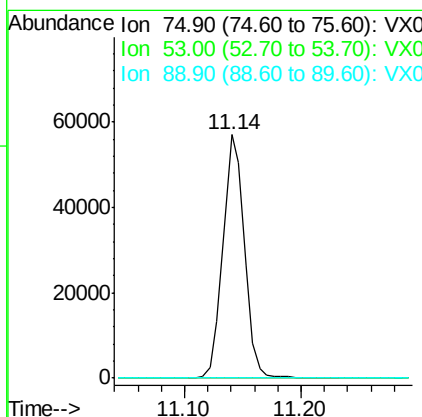
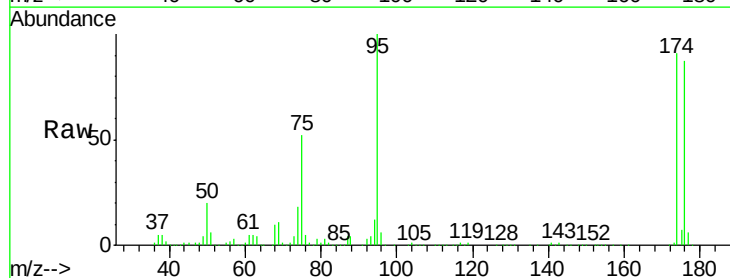
Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW047-180418

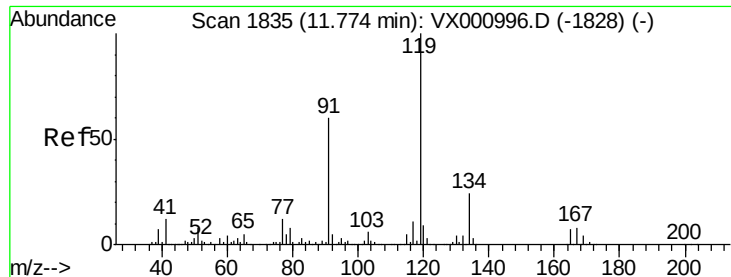
Tgt Ion: 91 Resp: 2579
 Ion Ratio Lower Upper
 91 100
 120 22.6 12.4 37.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.73 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001071.D
 Acq: 23 Apr 2018 20:35

Tgt Ion: 75 Resp: 72445
 Ion Ratio Lower Upper
 75 100
 53 0.3 83.4 125.2#
 89 0.0 39.7 59.5#

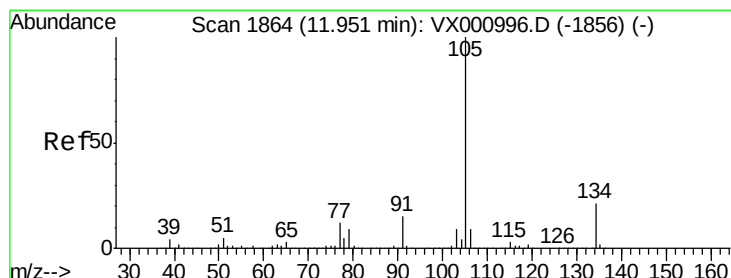
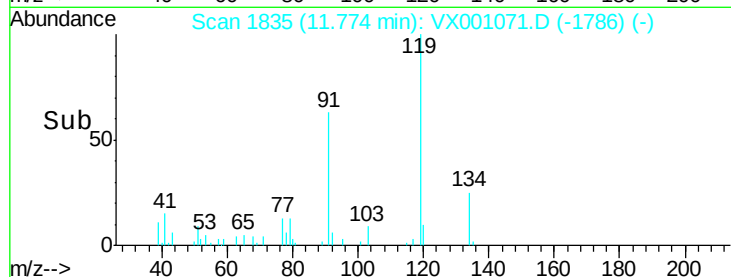
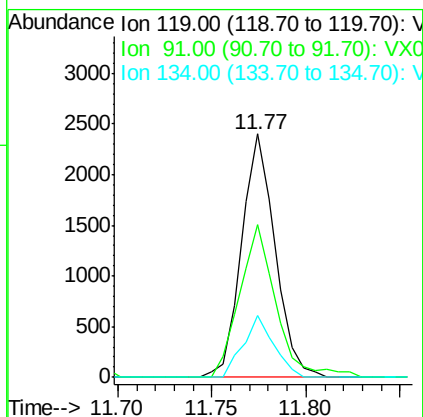
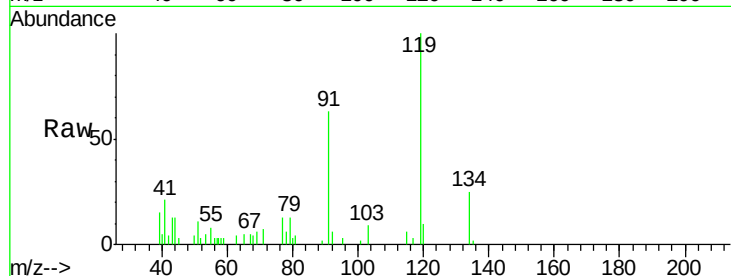




#83
tert-Butylbenzene
Concen: 0.35 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX001071.D
Acq: 23 Apr 2018 20:35

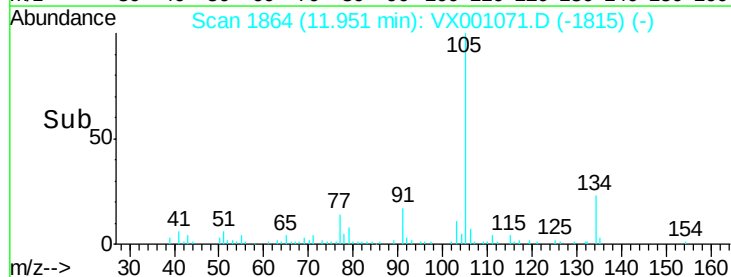
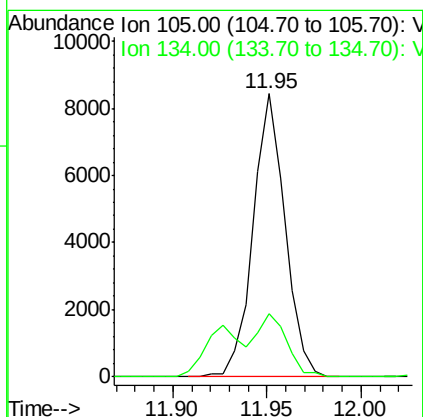
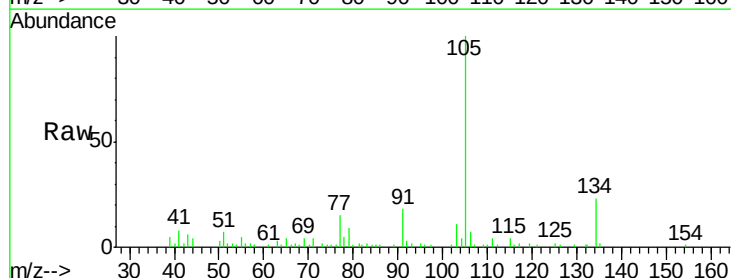
Instrument :
MSVOA_X
ClientSampleId :
LF015MW047-180418

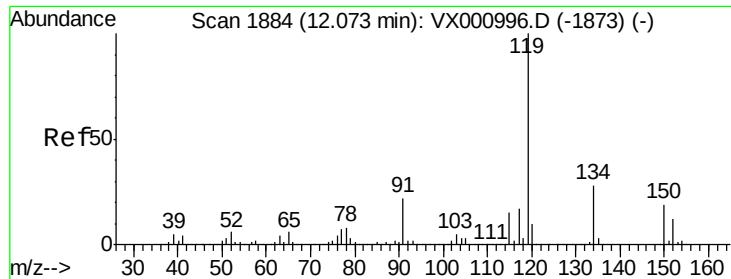
Tgt Ion:119 Resp: 2967
Ion Ratio Lower Upper
119 100
91 68.4 27.0 81.0
134 23.1 11.6 34.7



#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

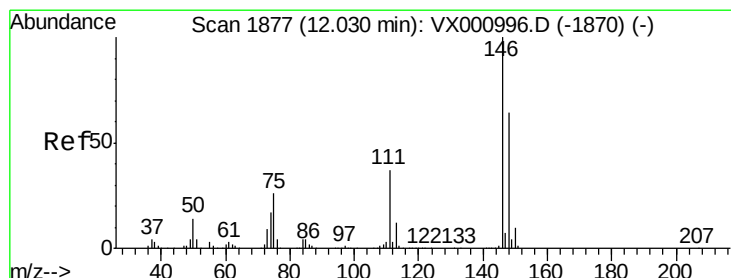
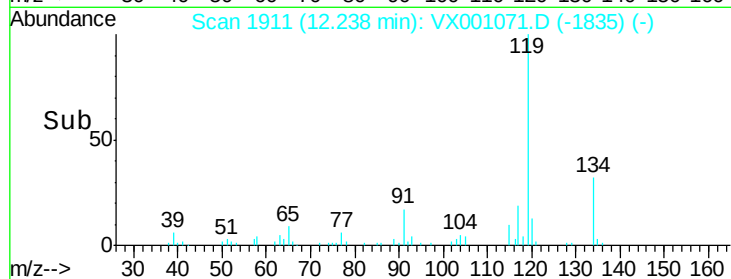
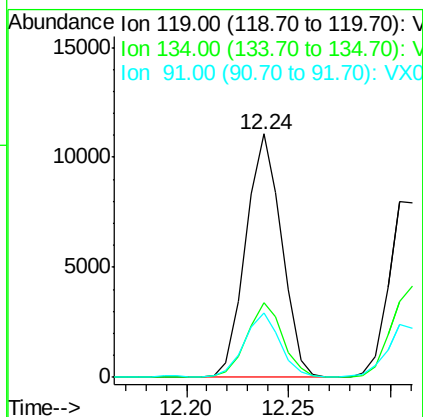
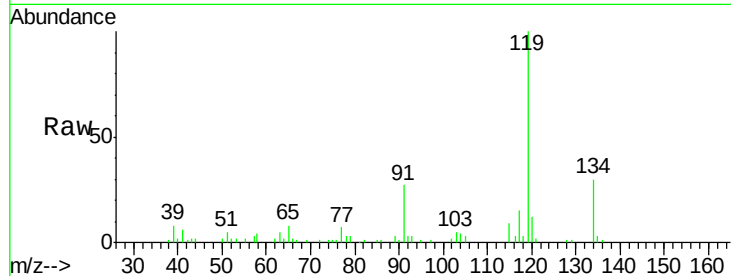




#86
p-Isopropyltoluene
Concen: 1.45 ug/l
RT: 12.24 min Scan# 1911
Delta R.T. 0.16 min
Lab File: VX001071.D
Acq: 23 Apr 2018 20:35

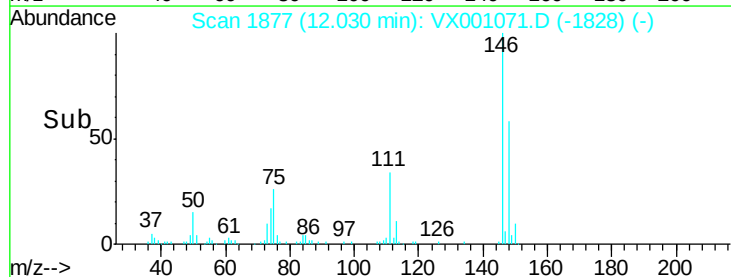
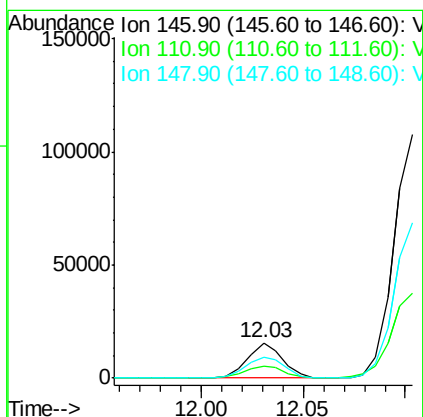
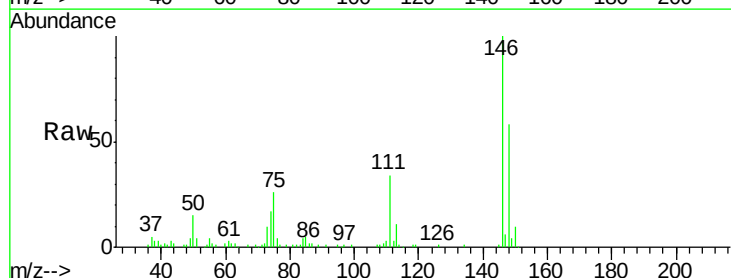
Instrument :
MSVOA_X
ClientSampleId :
LF015MW047-180418

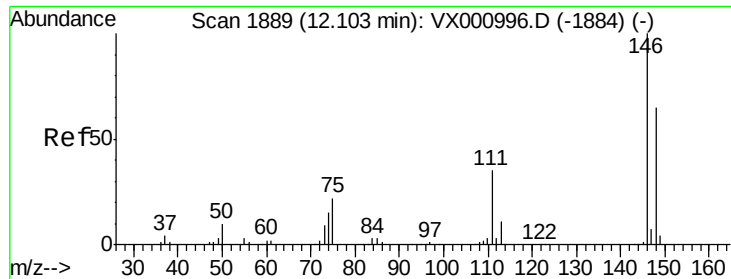
Tgt Ion:119 Resp: 13502
Ion Ratio Lower Upper
119 100
134 30.7 13.5 40.5
91 26.8 11.4 34.1



#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

Tgt Ion:146 Resp: 18813
Ion Ratio Lower Upper
146 100
111 37.5 18.3 54.8
148 64.0 32.2 96.6

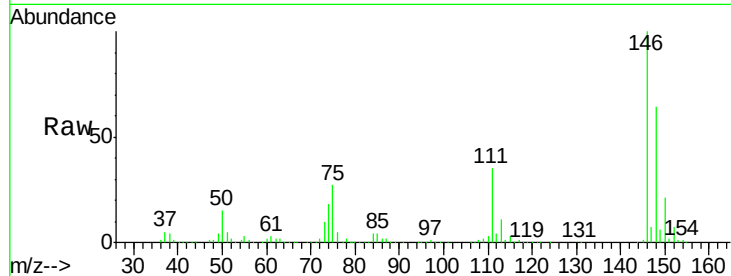




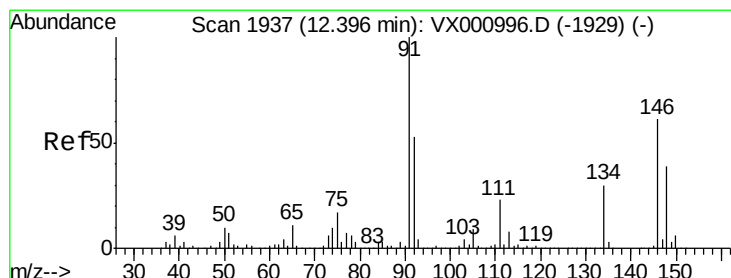
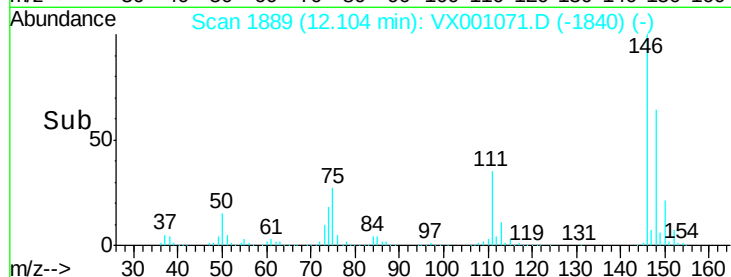
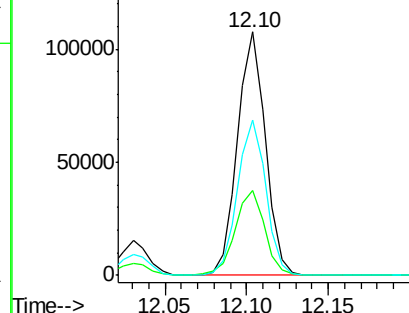
#88
 1,4-Dichlorobenzene
 Concen: 23.34 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001071.D
 Acq: 23 Apr 2018 20:35

Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW047-180418

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

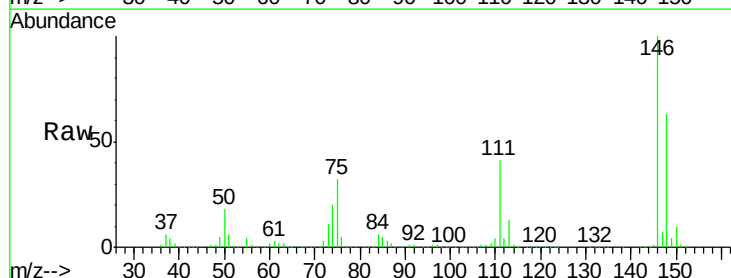


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

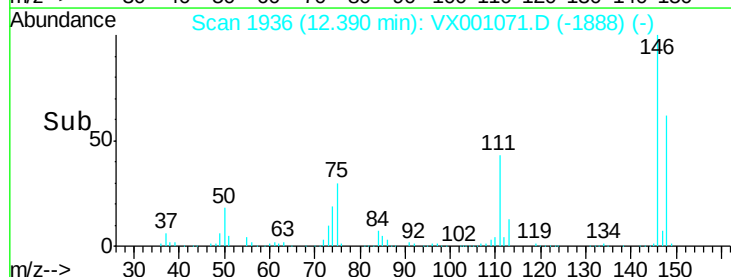
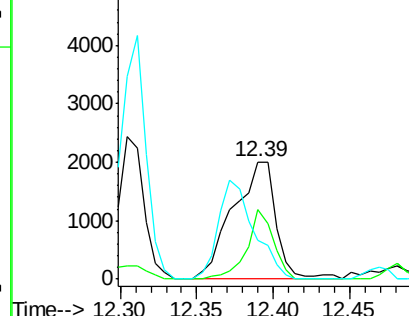


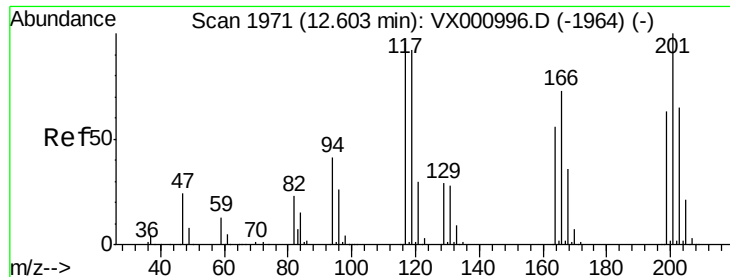
#89
 n-Butylbenzene
 Concen: 0.48 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VX001071.D
 Acq: 23 Apr 2018 20:35

Tgt Ion: 91 Resp: 3934
 Ion Ratio Lower Upper
 91 100
 92 36.5 26.3 78.9
 134 69.6 14.4 43.0#



Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 92.00 (91.70 to 92.70): VX0
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 39.99 ug/l

RT: 12.76 min Scan# 1997

Delta R.T. 0.16 min

Lab File: VX001071.D

Acq: 23 Apr 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

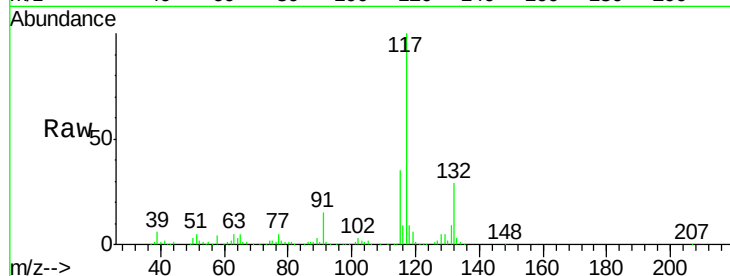
LF015MW047-180418

Tgt Ion:117 Resp: 52727

Ion Ratio Lower Upper

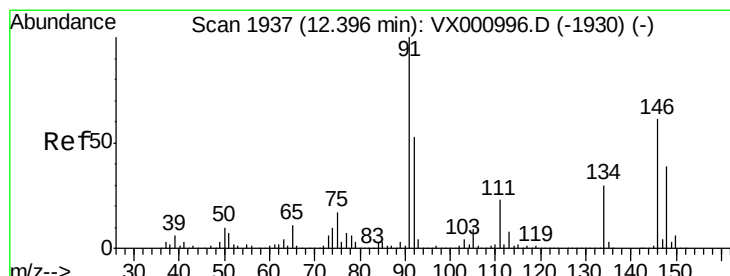
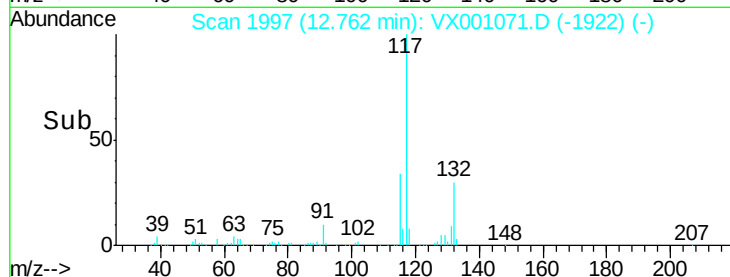
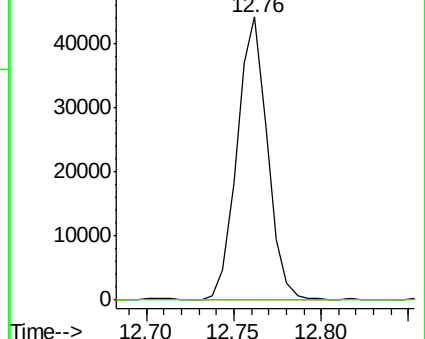
117 100

201 0.0 52.3 157.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): 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

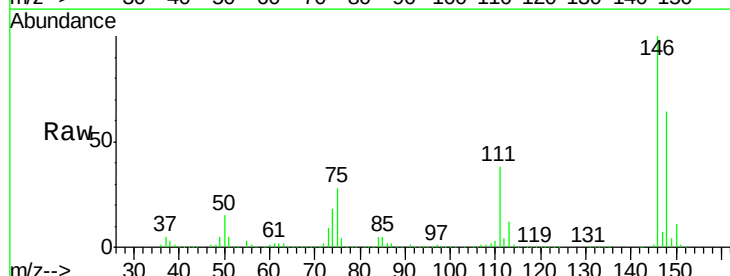
Tgt Ion:146 Resp: 357803

Ion Ratio Lower Upper

146 100

111 38.1 18.6 56.0

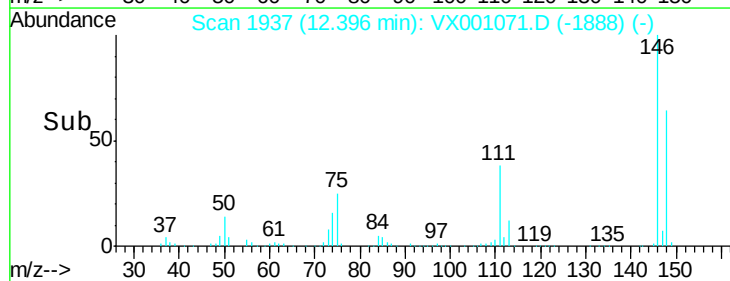
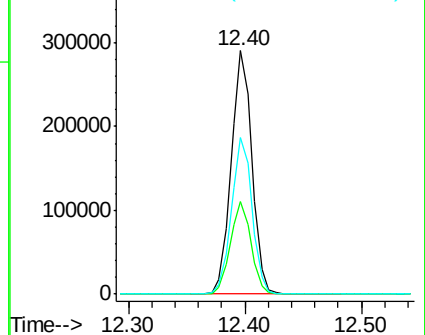
148 64.3 32.3 96.8

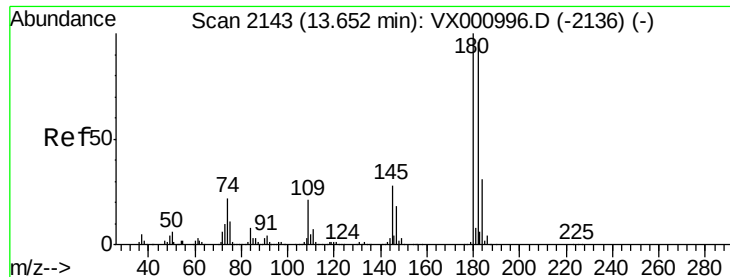


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

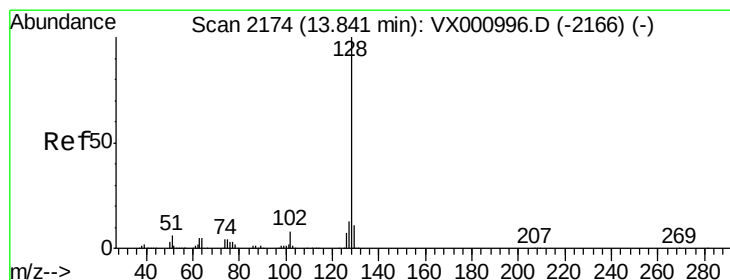
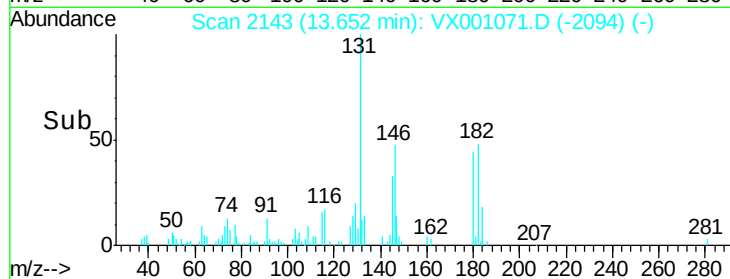
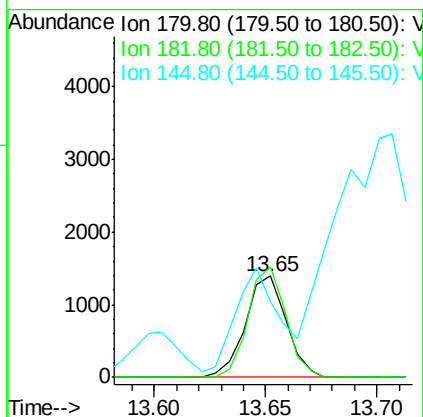
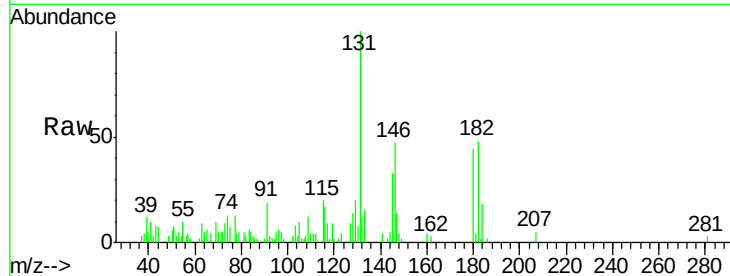




#93
 1,2,4-Trichlorobenzene
 Concen: 0.41 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001071.D
 Acq: 23 Apr 2018 20:35

Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW047-180418

Tgt Ion:180 Resp: 1783
 Ion Ratio Lower Upper
 180 100
 182 100.6 48.0 144.0
 145 112.6 13.9 41.7#



#95
 Naphthalene
 Concen: 0.81 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: VX001071.D
 Acq: 23 Apr 2018 20:35

Tgt Ion:128 Resp: 8704
 Ion Ratio Lower Upper
 128 100
 127 16.6 10.2 15.4#
 129 12.8 8.7 13.1

