

Data File : VX001102.D
Acq On : 25 Apr 2018 03:00
Operator : JC/MD
Sample : J2463-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LF015MW006-180416

Quant Time: Apr 25 07:27:39 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	226783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	317692	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	284075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160283	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	166056	57.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.52%	
35) Dibromofluoromethane	5.51	113	125981	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
50) Toluene-d8	8.72	98	476903	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
62) 4-Bromofluorobenzene	11.14	95	164433	43.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.48%	

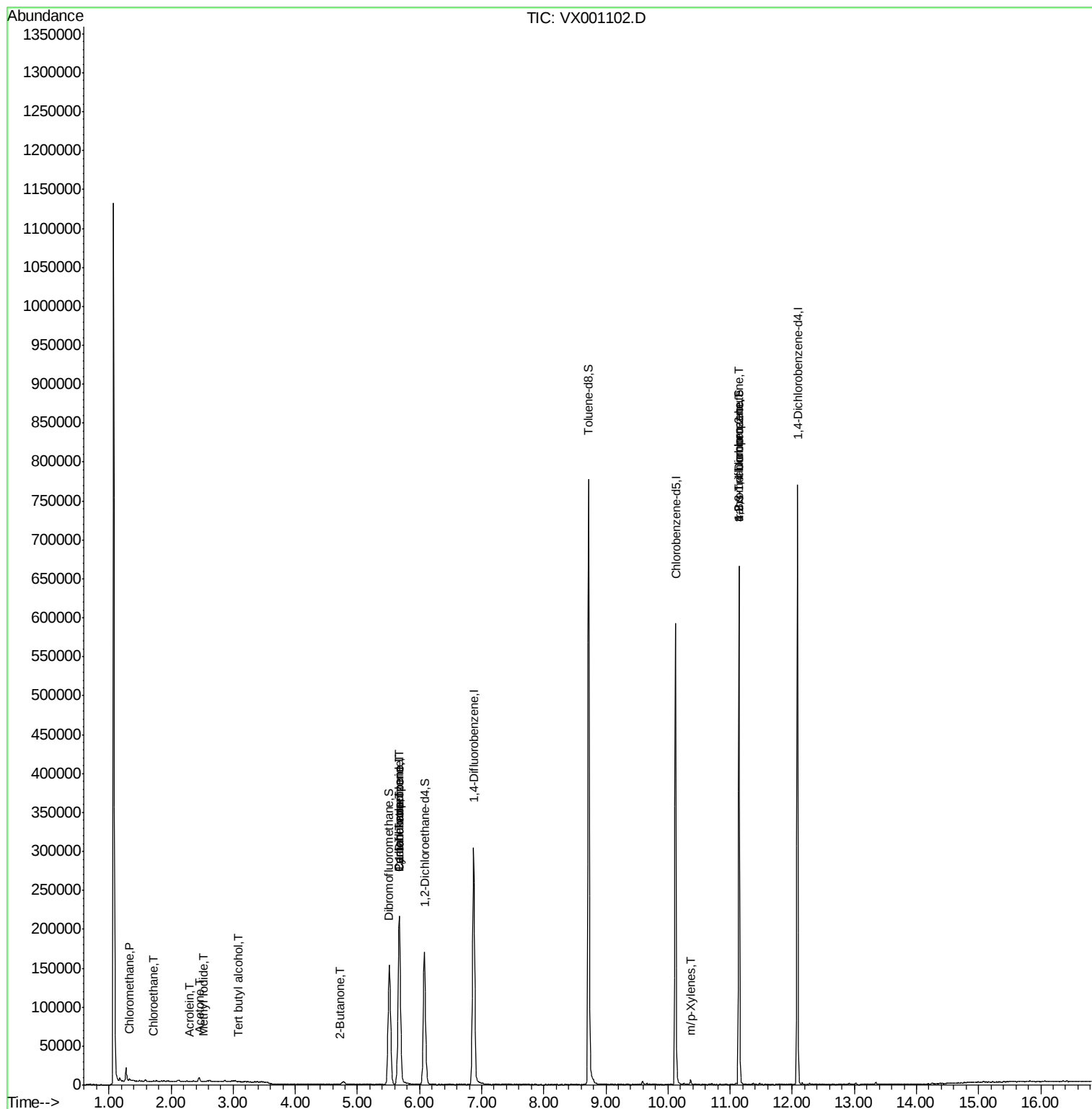
Target Compounds				Qvalue		
3) Chloromethane	1.32	50	1215	0.46	ug/l #	83
5) Bromomethane	1.63	94	42	Below	Cal #	2
6) Chloroethane	1.72	64	376	0.23	ug/l #	43
10) Methyl Iodide	2.53	142	55	7.62	ug/l #	41
11) Tert butyl alcohol	3.08	59	93	0.21	ug/l #	1
13) Acrolein	2.29	56	162	12.08	ug/l	95
16) Acetone	2.45	43	5703	5.27	ug/l	100
20) Methylene Chloride	2.85	84	525	Below	Cal #	75
25) 2-Butanone	4.72	43	1080	0.64	ug/l	92
31) Cyclohexane	5.67	56	4278	1.06	ug/l #	14
36) 1,1-Dichloropropene	5.67	75	14623	3.92	ug/l #	48
38) Carbon Tetrachloride	5.67	117	19743	5.22	ug/l #	15
68) m/p-Xylenes	10.37	106	1498	0.30	ug/l	88
76) 1,2,3-Trichloropropane	11.14	75	86387	31.06	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	86387	92.39	ug/l #	8

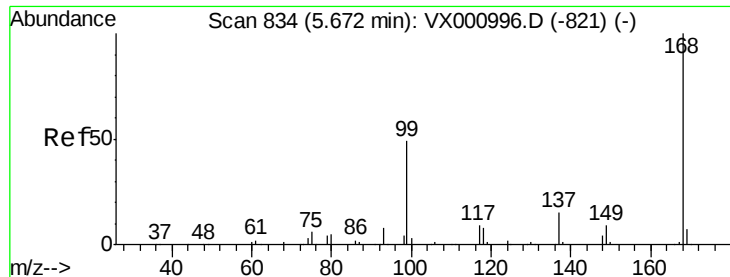
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001102.D

Acq: 25 Apr 2018 03:00

Instrument :

MSVOA_X

ClientSampleId :

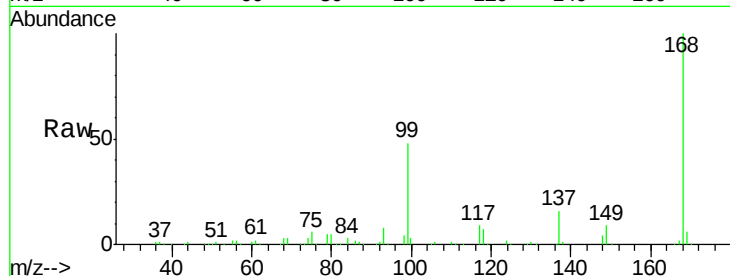
LF015MW006-180416

Tgt Ion:168 Resp: 226783

Ion Ratio Lower Upper

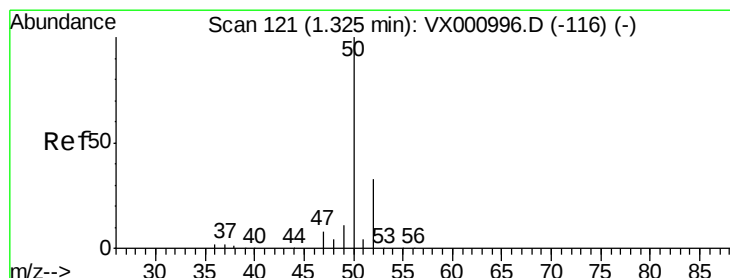
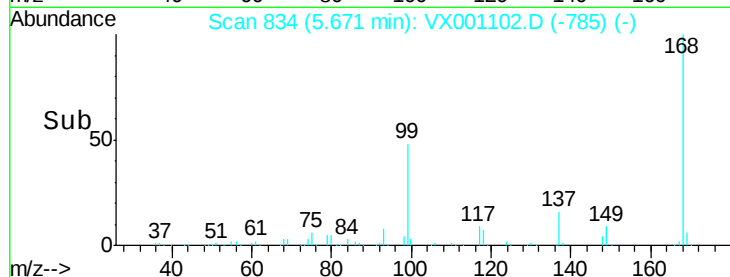
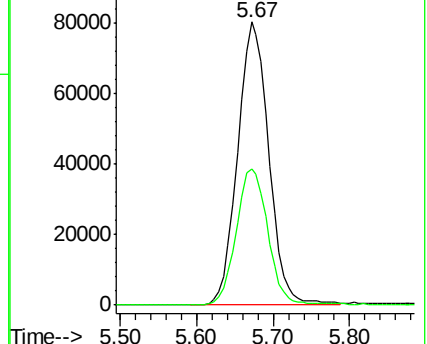
168 100

99 48.2 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.46 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001102.D

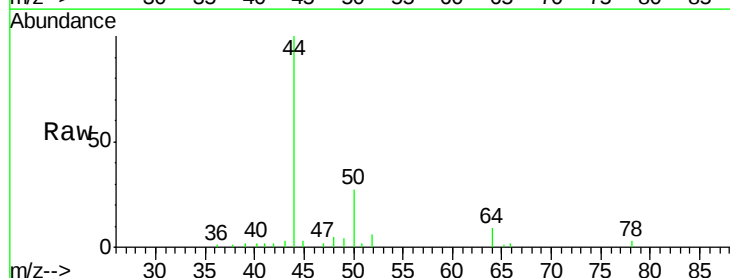
Acq: 25 Apr 2018 03:00

Tgt Ion: 50 Resp: 1215

Ion Ratio Lower Upper

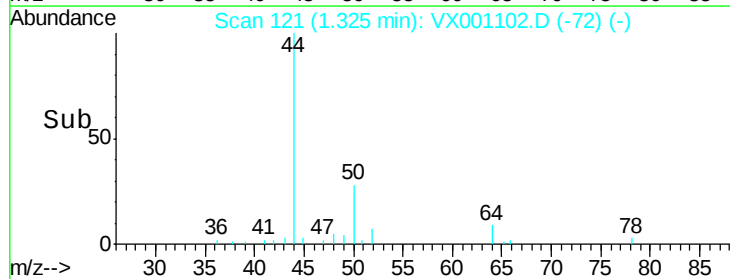
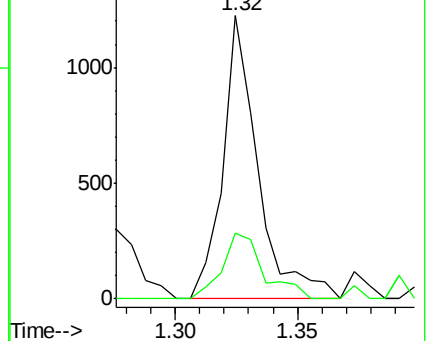
50 100

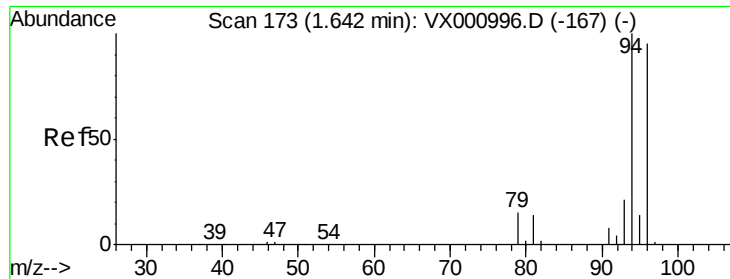
52 23.2 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX001102.D

Acq: 25 Apr 2018 03:00

Instrument :

MSVOA_X

ClientSampleId :

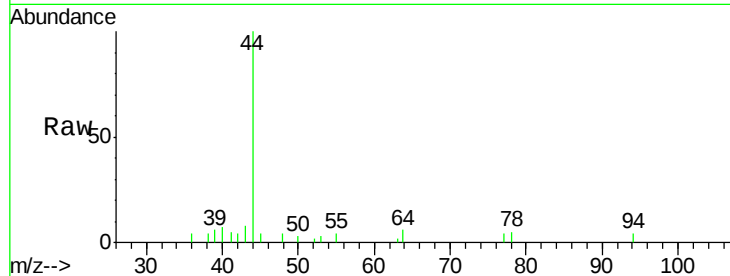
LF015MW006-180416

Tgt Ion: 94 Resp: 42

Ion Ratio Lower Upper

94 100

96 0.0 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

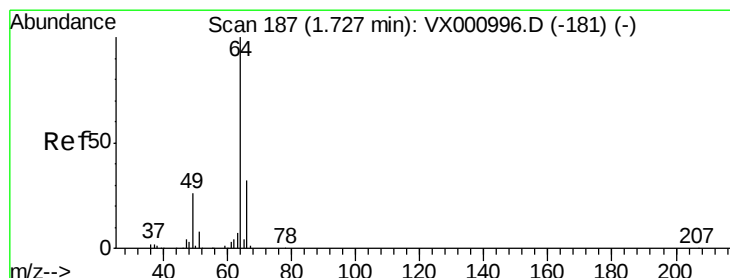
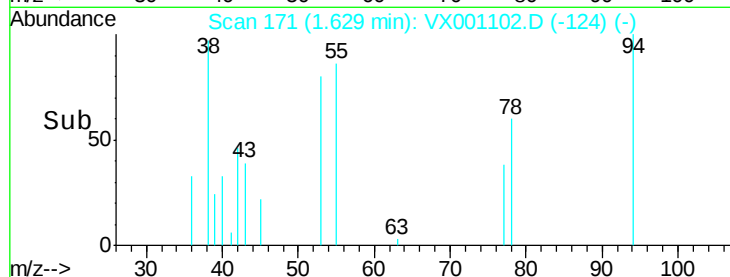
1.63

100

50

0

Time--> 1.61 1.62 1.63 1.64



#6

Chloroethane

Concen: 0.23 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX001102.D

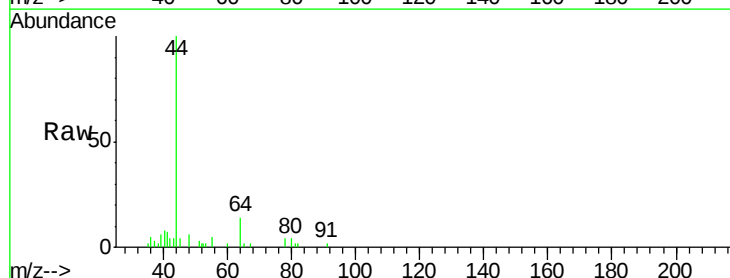
Acq: 25 Apr 2018 03:00

Tgt Ion: 64 Resp: 376

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

400

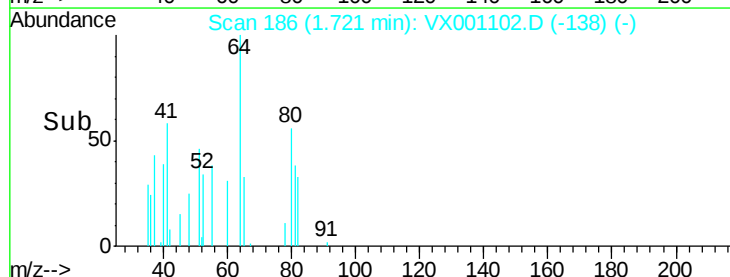
300

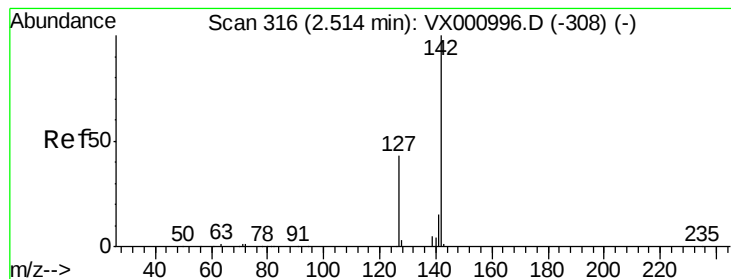
200

100

0

Time--> 1.66 1.68 1.70 1.72 1.74





#10

Methyl Iodide

Concen: 7.62 ug/l

RT: 2.53 min Scan# 319

Delta R.T. 0.02 min

Lab File: VX001102.D

Acq: 25 Apr 2018 03:00

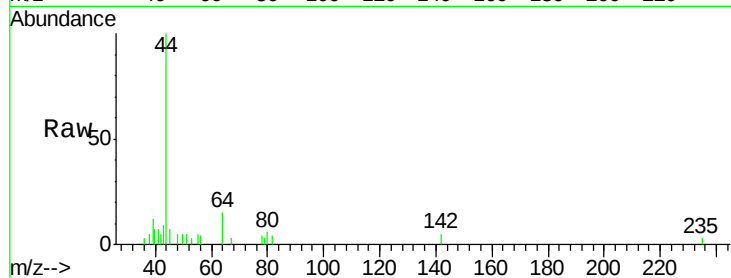
Instrument :

MSVOA_X

ClientSampleId :

LF015MW006-180416

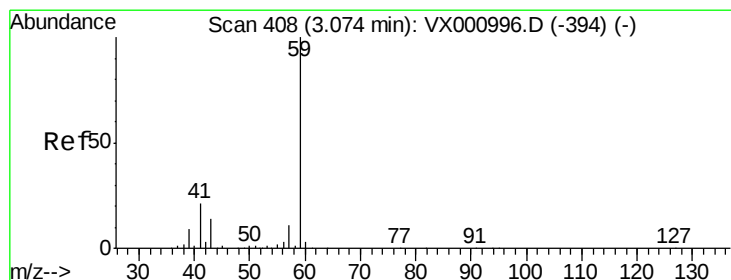
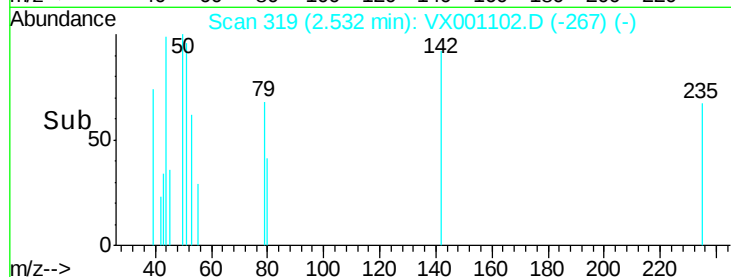
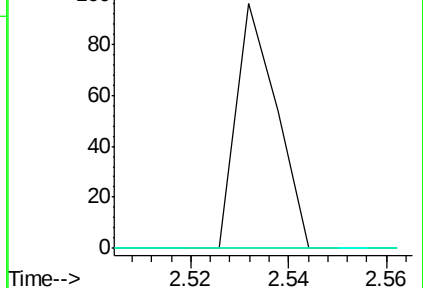
Tgt Ion:	142	Resp:	55
Ion	Ratio	Lower	Upper
142	100		
127	0.0	34.0	51.0#
141	0.0	11.4	17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 0.21 ug/l

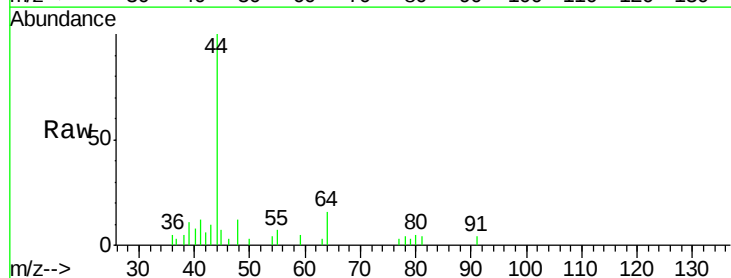
RT: 3.08 min Scan# 409

Delta R.T. 0.01 min

Lab File: VX001102.D

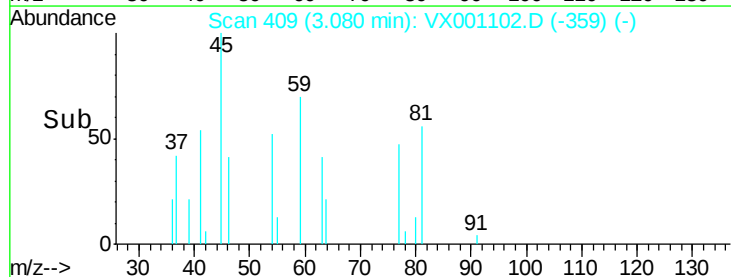
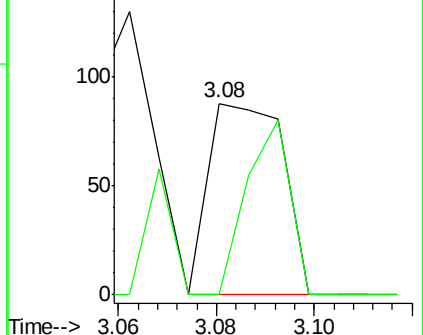
Acq: 25 Apr 2018 03:00

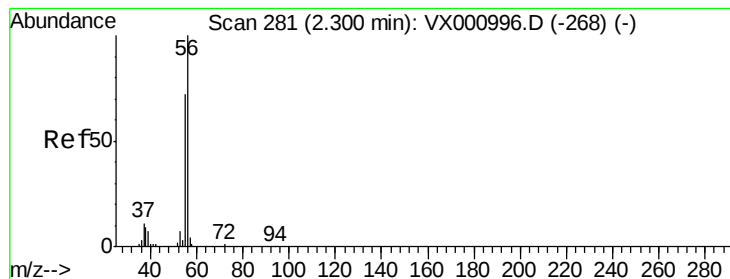
Tgt Ion:	59	Resp:	93
Ion	Ratio	Lower	Upper
59	100		
57	52.7	8.3	12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 12.08 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001102.D

Acq: 25 Apr 2018 03:00

Instrument :

MSVOA_X

ClientSampleId :

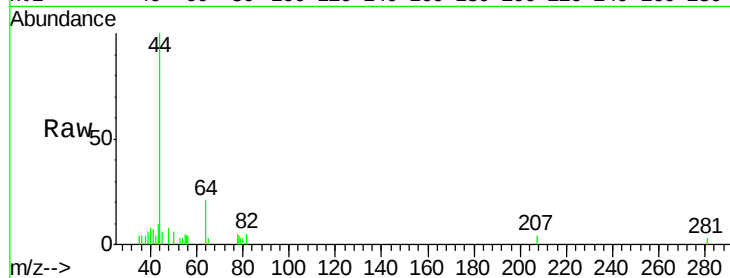
LF015MW006-180416

Tgt Ion: 56 Resp: 162

Ion Ratio Lower Upper

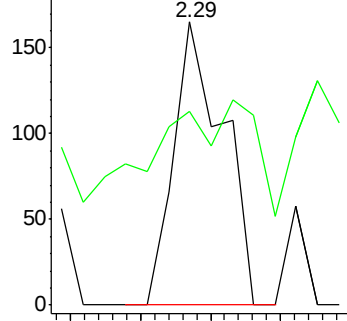
56 100

55 75.9 57.4 86.2

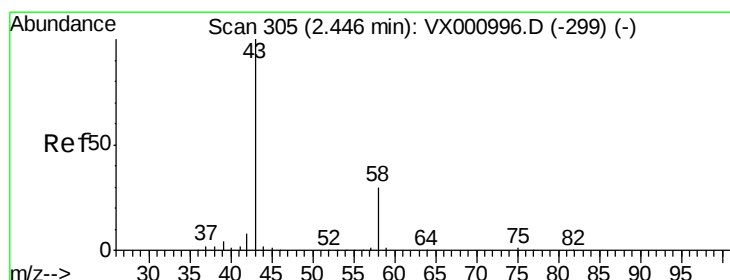
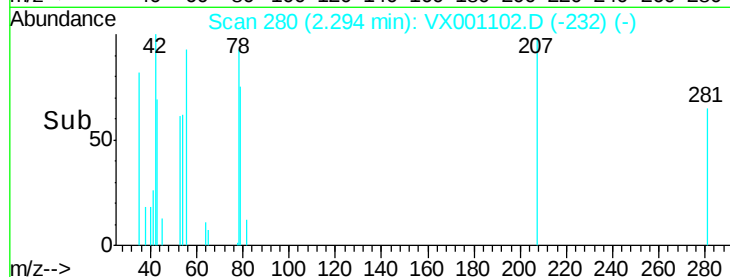


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 5.27 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001102.D

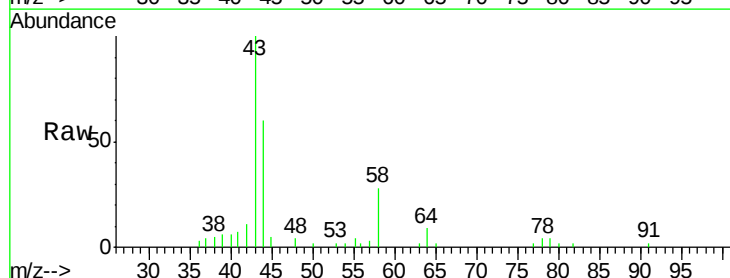
Acq: 25 Apr 2018 03:00

Tgt Ion: 43 Resp: 5703

Ion Ratio Lower Upper

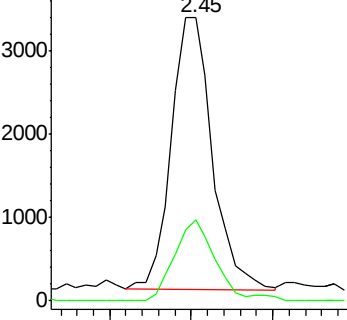
43 100

58 29.8 23.7 35.5

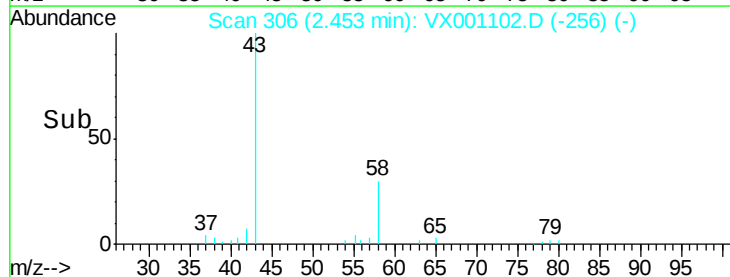


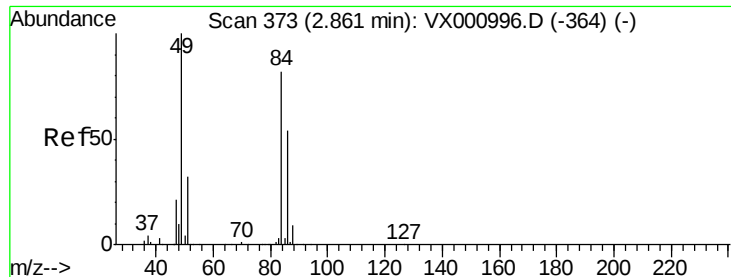
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX001102.D

Acq: 25 Apr 2018 03:00

Instrument :

MSVOA_X

ClientSampleId :

LF015MW006-180416

Tgt Ion: 84 Resp: 525

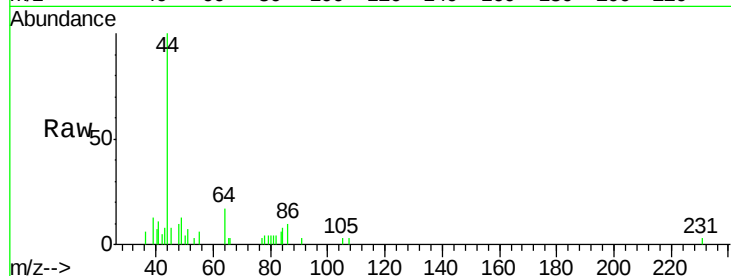
Ion Ratio Lower Upper

84 100

49 86.4 97.1 145.7#

51 18.9 30.8 46.2#

86 72.0 52.3 78.5

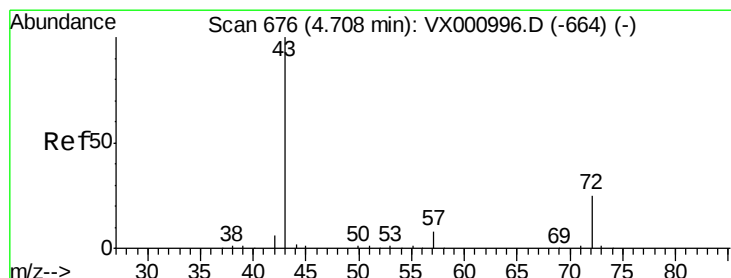
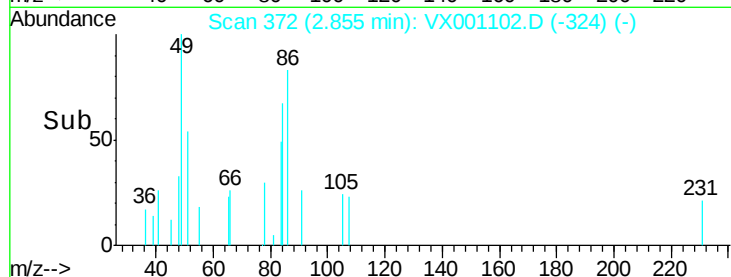
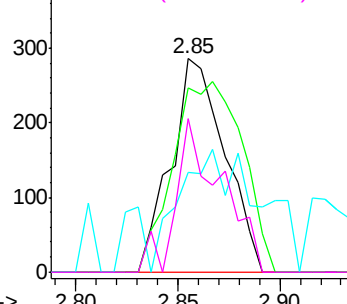


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#25

2-Butanone

Concen: 0.64 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001102.D

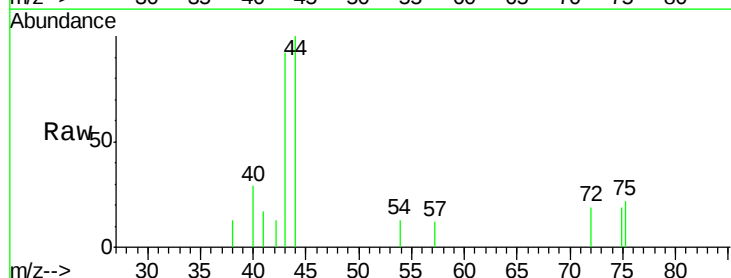
Acq: 25 Apr 2018 03:00

Tgt Ion: 43 Resp: 1080

Ion Ratio Lower Upper

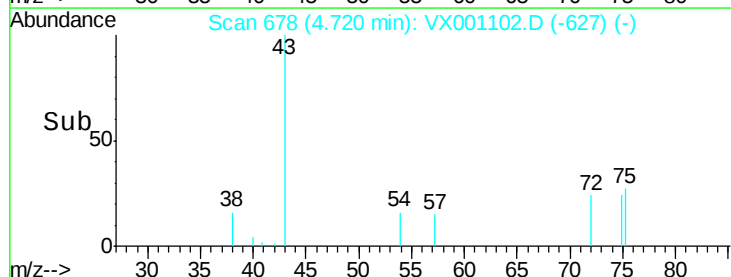
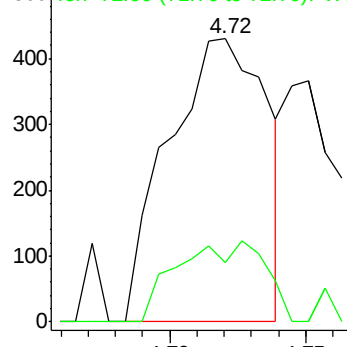
43 100

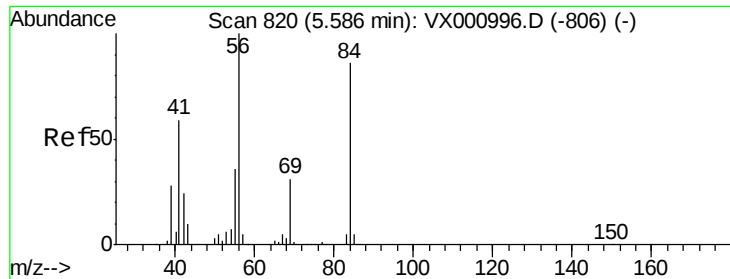
72 20.9 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

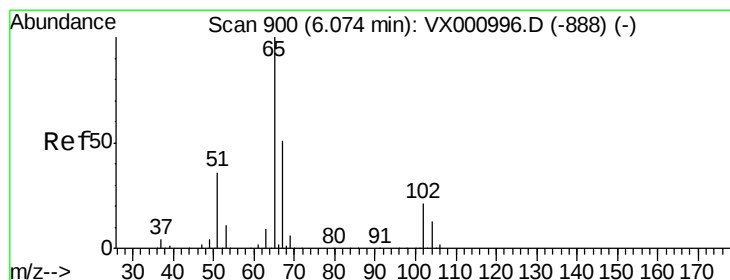
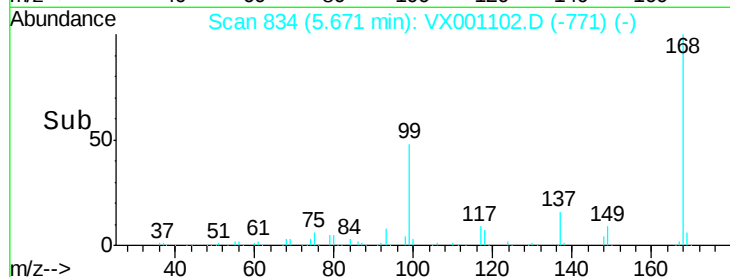
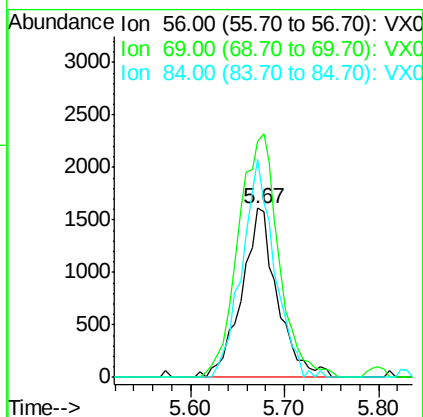
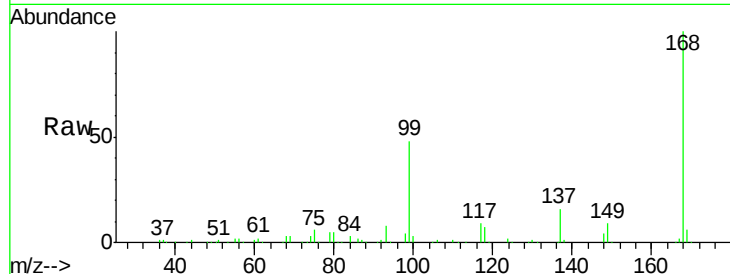




#31
Cyclohexane
Concen: 1.06 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX001102.D
Acq: 25 Apr 2018 03:00

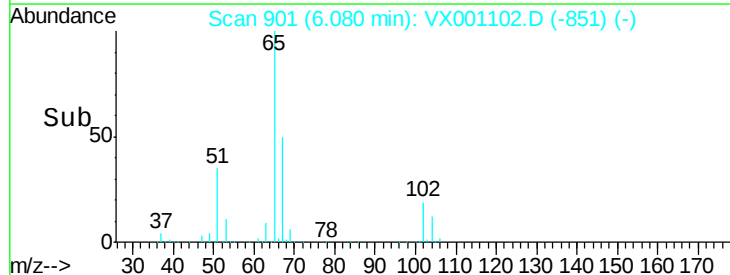
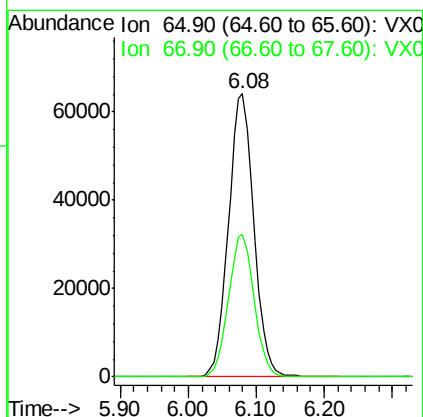
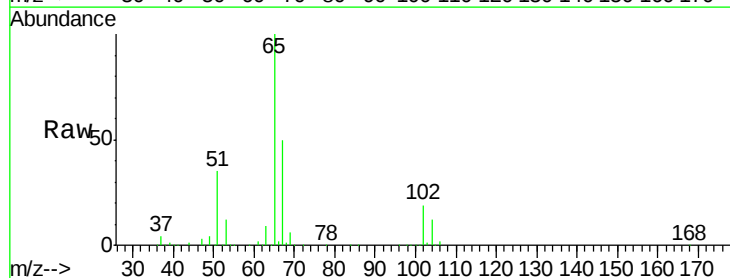
Instrument :
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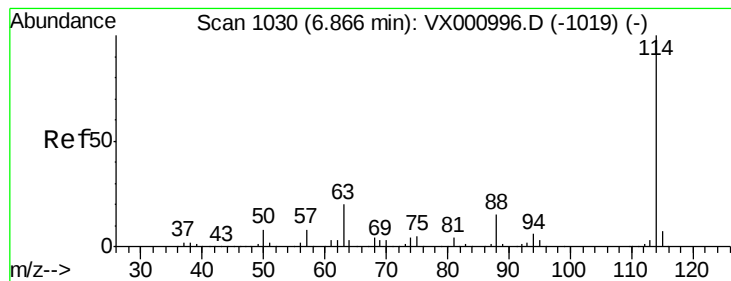
Tgt Ion: 56 Resp: 4278
Ion Ratio Lower Upper
56 100
69 139.2 24.6 36.8#
84 128.8 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 57.76 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VX001102.D
Acq: 25 Apr 2018 03:00

Tgt Ion: 65 Resp: 166056
Ion Ratio Lower Upper
65 100
67 50.8 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: VX001102.D

Acq: 25 Apr 2018 03:00

Instrument :

MSVOA_X

ClientSampleId :

LF015MW006-180416

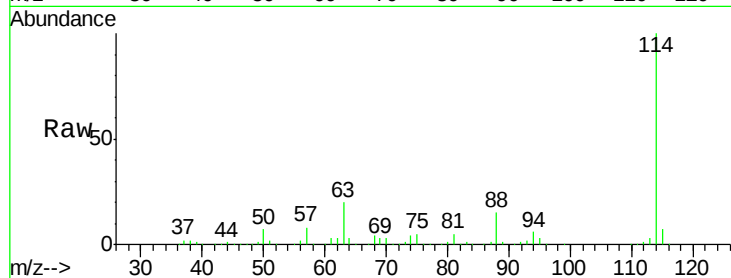
Tgt Ion:114 Resp: 317692

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.4

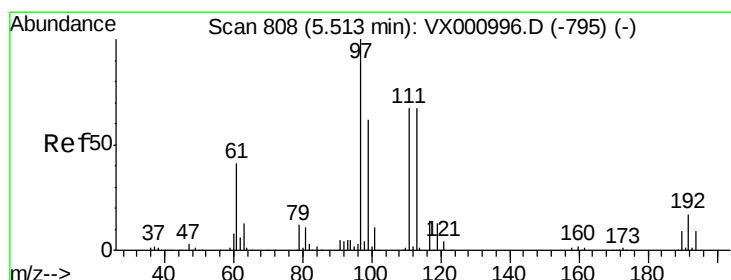
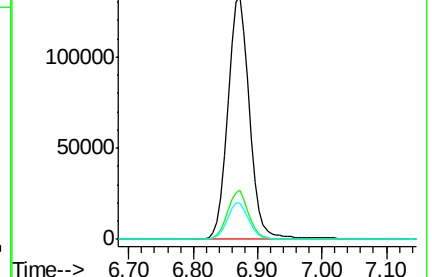
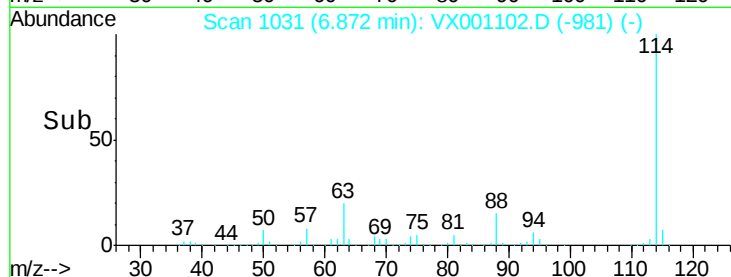
88 15.1 0.0 29.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 52.00 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001102.D

Acq: 25 Apr 2018 03:00

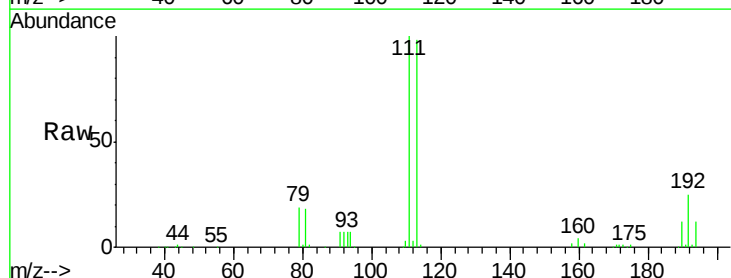
Tgt Ion:113 Resp: 125981

Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.2

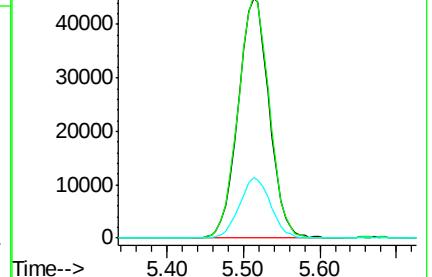
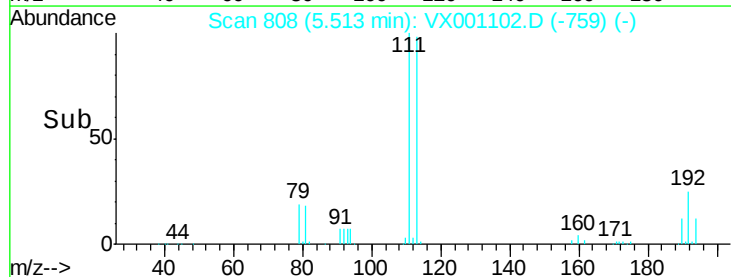
192 25.3 20.4 30.6

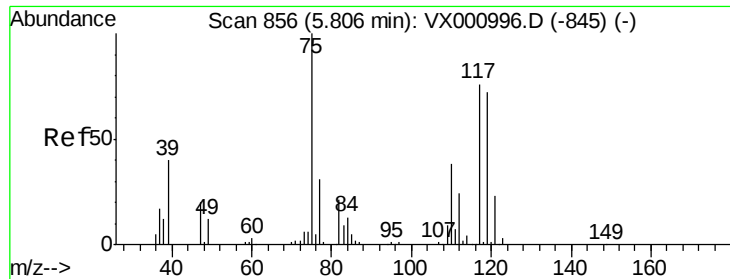


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

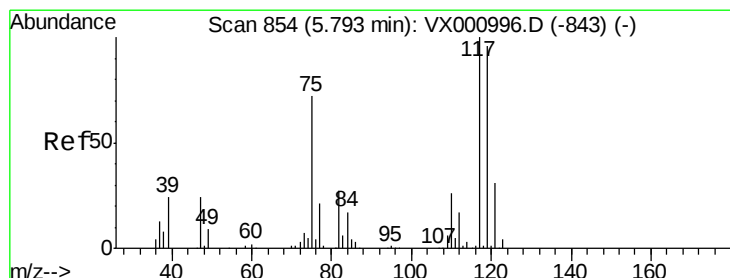
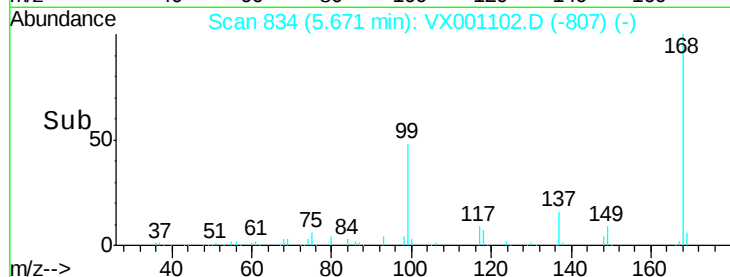
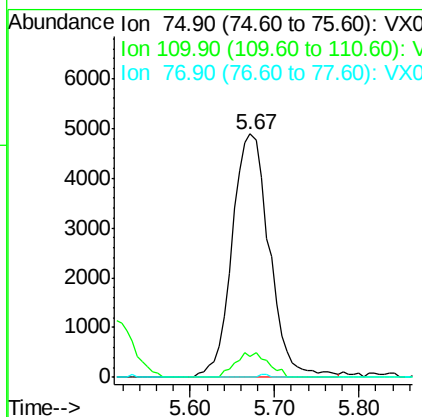
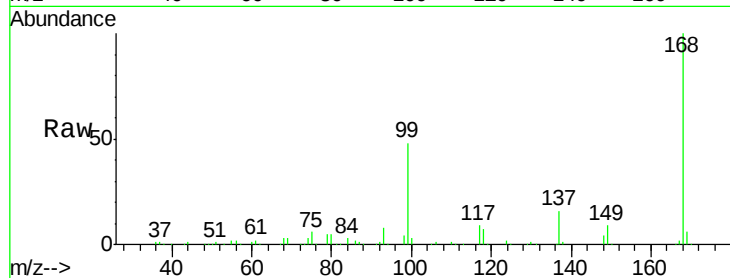




#36
 1,1-Dichloropropene
 Concen: 3.92 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001102.D
 Acq: 25 Apr 2018 03:00

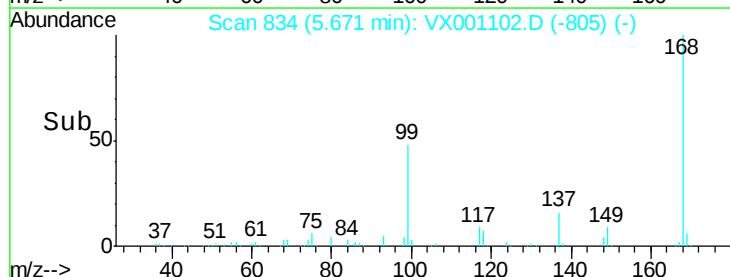
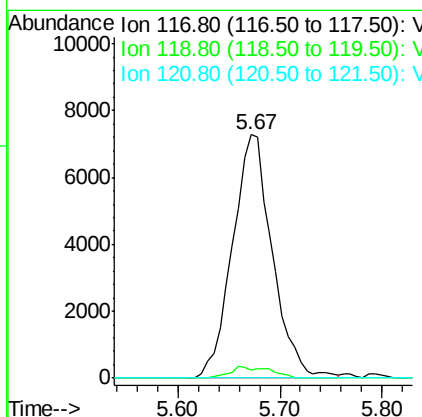
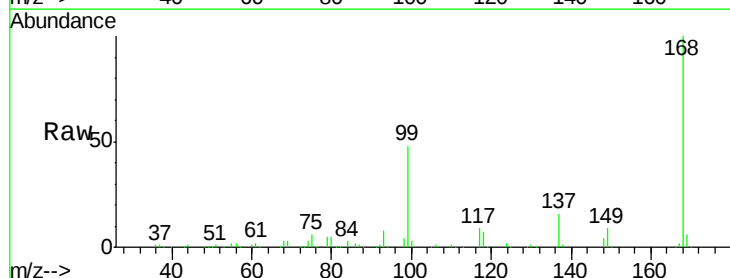
Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW006-180416

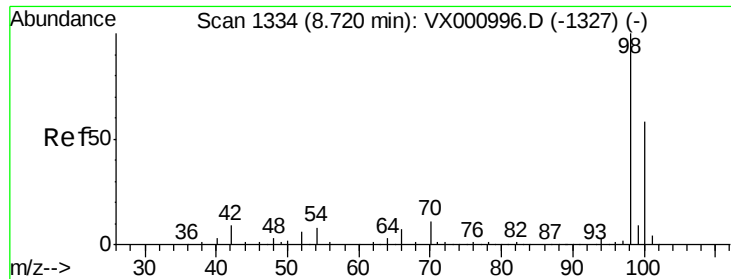
Tgt Ion: 75 Resp: 14623
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.7 56.1#
 77 0.3 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.22 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001102.D
 Acq: 25 Apr 2018 03:00

Tgt Ion: 117 Resp: 19743
 Ion Ratio Lower Upper
 117 100
 119 3.6 76.5 114.7#
 121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 53.24 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001102.D

Acq: 25 Apr 2018 03:00

Instrument :

MSVOA_X

ClientSampleId :

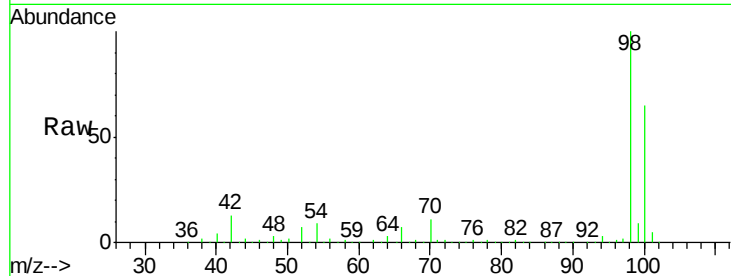
LF015MW006-180416

Tgt Ion: 98 Resp: 476903

Ion Ratio Lower Upper

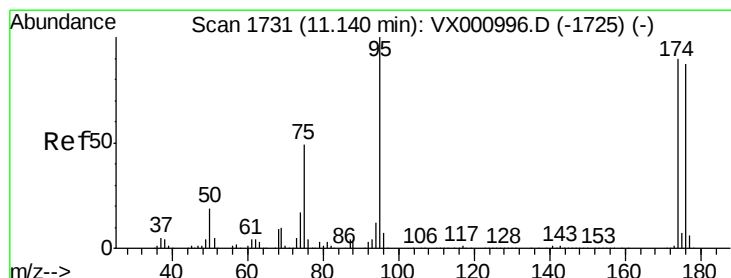
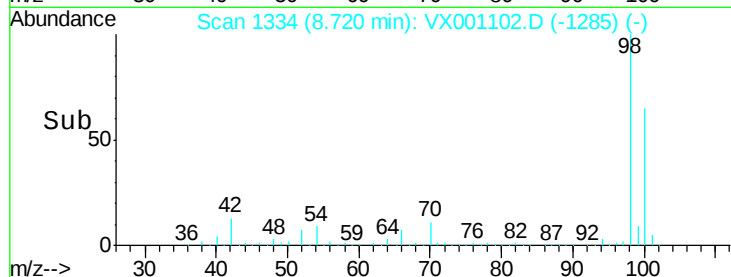
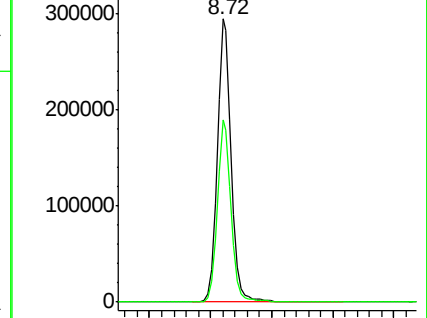
98 100

100 63.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 43.74 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001102.D

Acq: 25 Apr 2018 03:00

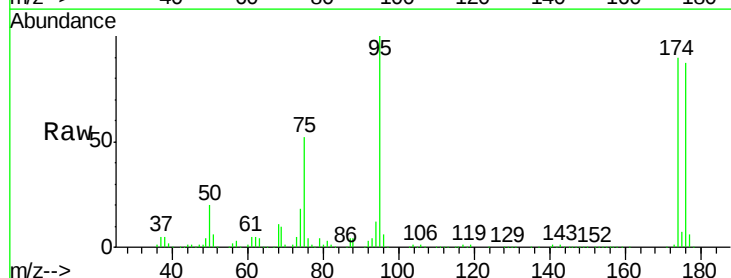
Tgt Ion: 95 Resp: 164433

Ion Ratio Lower Upper

95 100

174 99.3 0.0 198.4

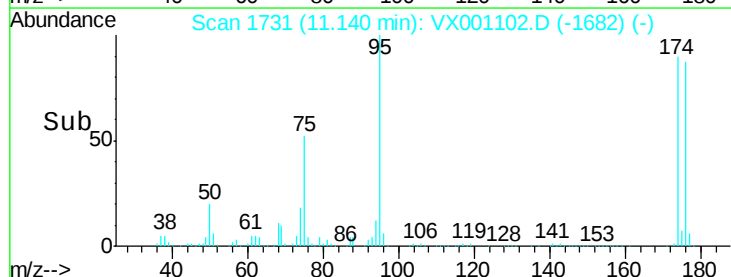
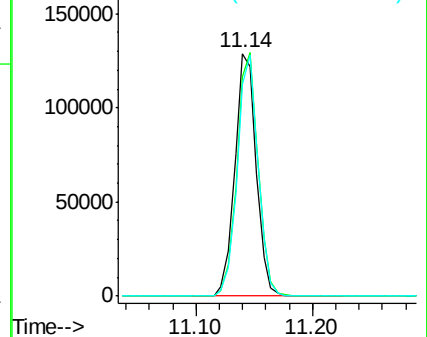
176 96.9 0.0 192.0

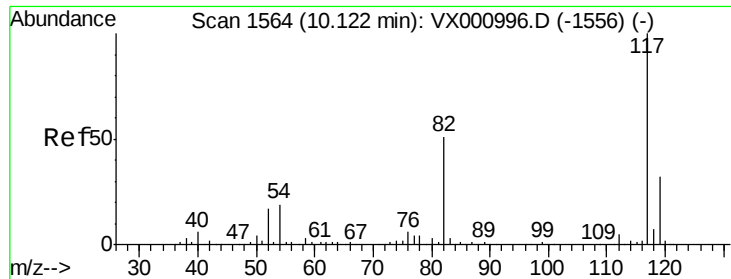


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

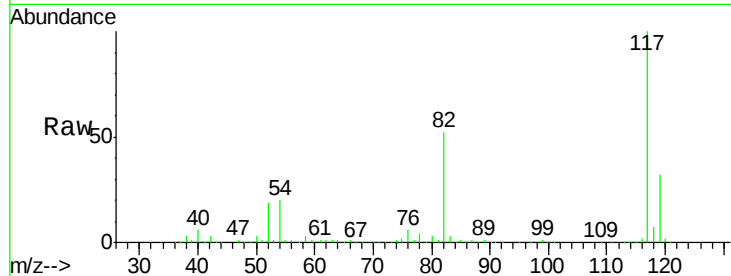




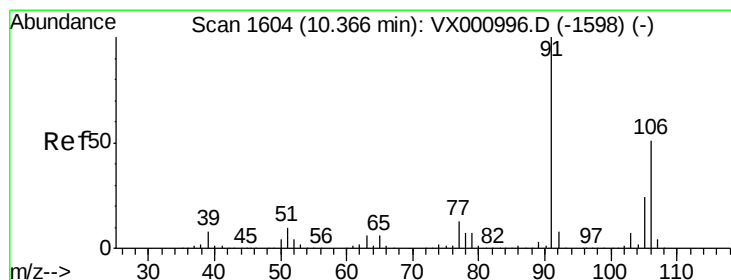
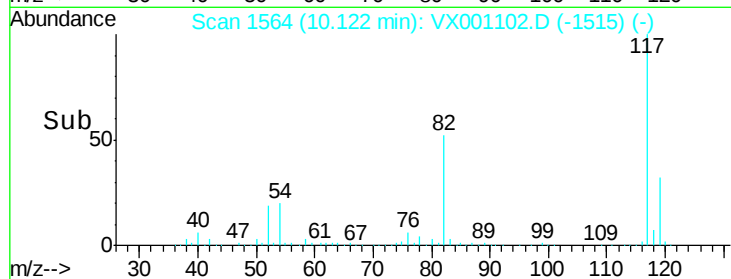
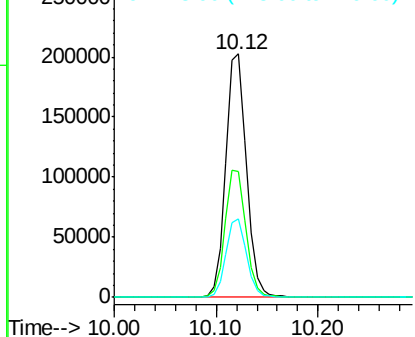
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001102.D
Acq: 25 Apr 2018 03:00

Instrument :
MSVOA_X
ClientSampleId :
LF015MW006-180416

Tgt Ion:117 Resp: 284075
Ion Ratio Lower Upper
117 100
82 51.8 40.6 60.8
119 32.0 26.0 39.0

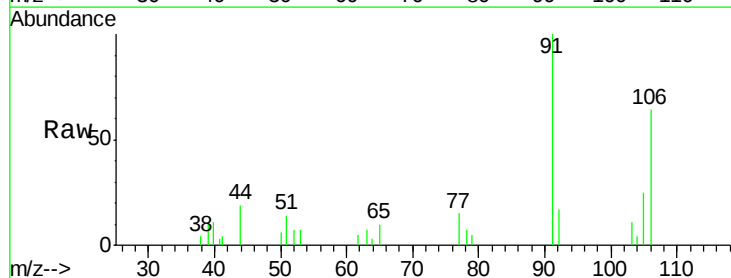


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

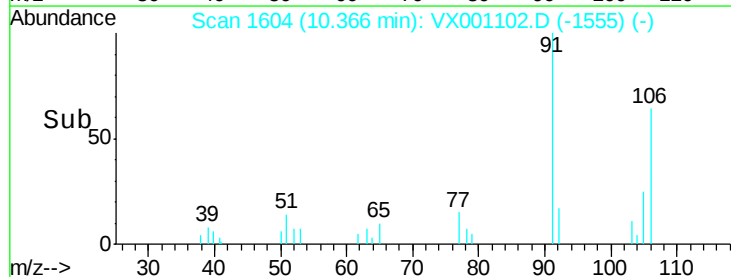
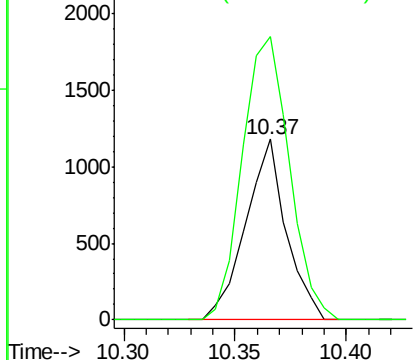


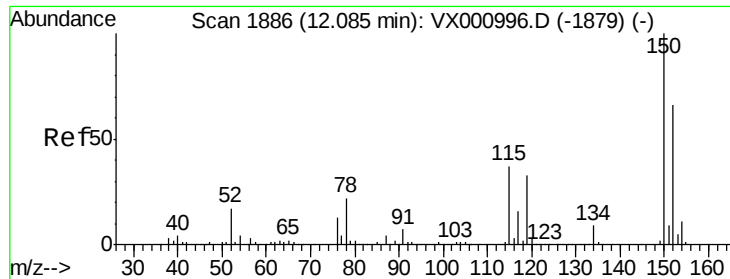
#68
m/p-Xylenes
Concen: 0.30 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001102.D
Acq: 25 Apr 2018 03:00

Tgt Ion:106 Resp: 1498
Ion Ratio Lower Upper
106 100
91 181.2 159.3 238.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001102.D

Acq: 25 Apr 2018 03:00

Instrument :

MSVOA_X

ClientSampleId :

LF015MW006-180416

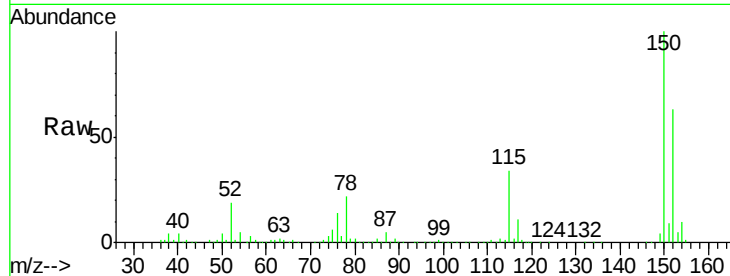
Tgt Ion:152 Resp: 160283

Ion Ratio Lower Upper

152 100

115 54.2 38.2 114.6

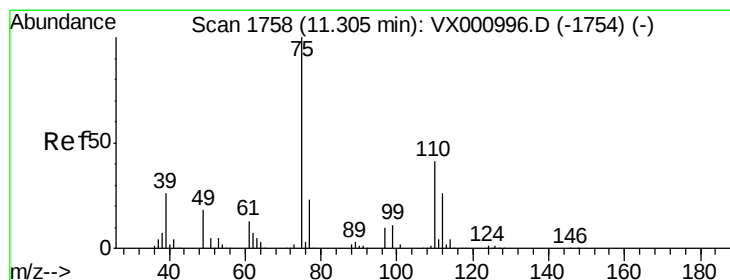
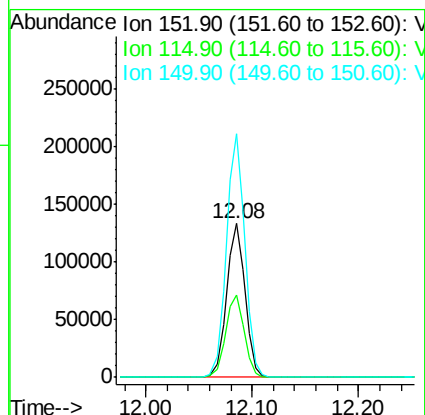
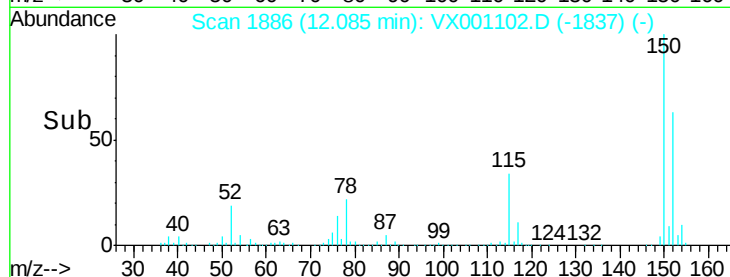
150 158.2 0.0 350.4



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



#76

1,2,3-Trichloropropane

Concen: 31.06 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001102.D

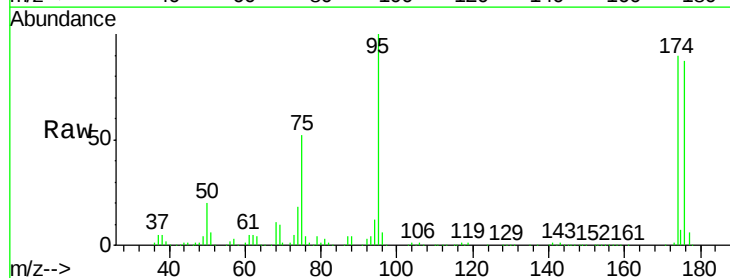
Acq: 25 Apr 2018 03:00

Tgt Ion: 75 Resp: 86387

Ion Ratio Lower Upper

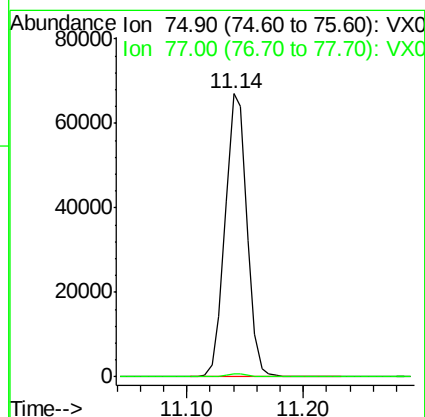
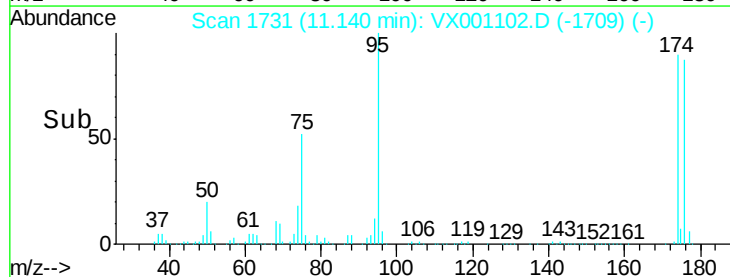
75 100

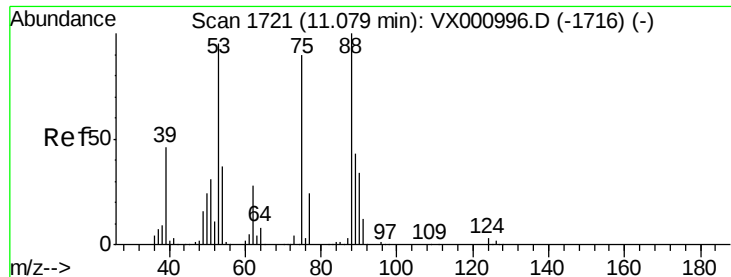
77 1.2 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 92.39 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001102.D

Acq: 25 Apr 2018 03:00

Instrument :

MSVOA_X

ClientSampleId :

LF015MW006-180416

Tgt Ion: 75 Resp: 86387

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 39.7 59.5#

