

Data File : VX001082.D
Acq On : 24 Apr 2018 17:37
Operator : JC/MD
Sample : J2377-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LF014MW006-180412

Quant Time: Apr 25 07:19:32 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	241287	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	338489	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	299481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	167532	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	176690	57.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.54%	
35) Dibromofluoromethane	5.51	113	136084	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
50) Toluene-d8	8.72	98	513909	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	
62) 4-Bromofluorobenzene	11.14	95	177787	44.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.78%	

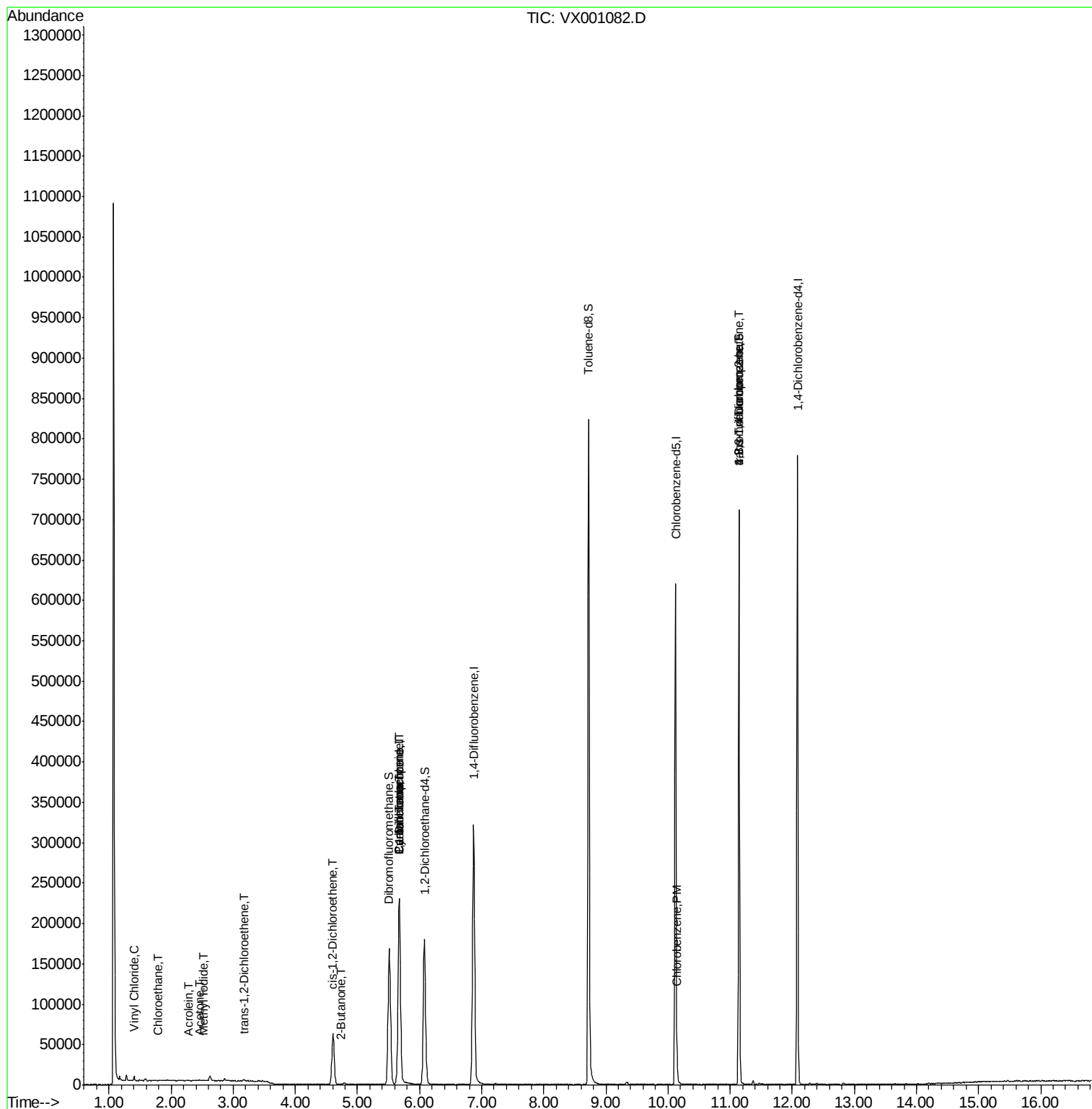
Target Compounds				Qvalue		
4) Vinyl Chloride	1.40	62	2905	1.01	ug/l	95
5) Bromomethane	1.66	94	361	Below	Cal	# 40
6) Chloroethane	1.79	64	768	0.45	ug/l	# 43
10) Methyl Iodide	2.53	142	188	7.66	ug/l	# 41
13) Acrolein	2.27	56	152	11.95	ug/l	# 65
16) Acetone	2.45	43	1736	1.51	ug/l	91
20) Methylene Chloride	2.86	84	923	Below	Cal	94
21) trans-1,2-Dichloroethene	3.17	96	866	0.33	ug/l	91
25) 2-Butanone	4.73	43	370	0.21	ug/l	# 50
27) cis-1,2-Dichloroethene	4.60	96	38387	13.17	ug/l	90
31) Cyclohexane	5.67	56	4530	1.05	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	15370	3.86	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	21431	5.32	ug/l	# 16
65) Chlorobenzene	10.15	112	9160	1.15	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	91773	31.57	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	91773	93.85	ug/l	# 8

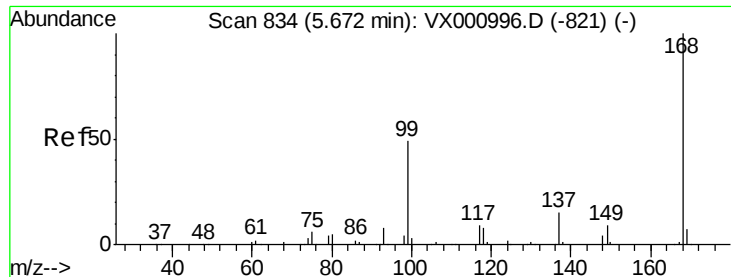
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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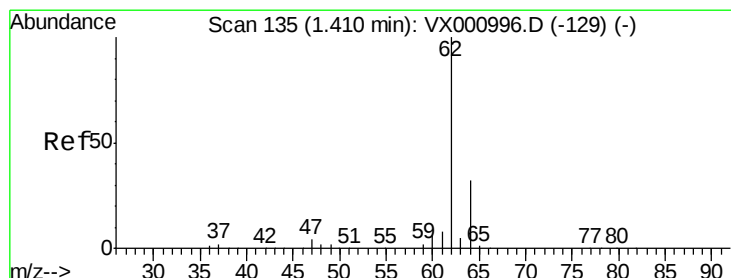
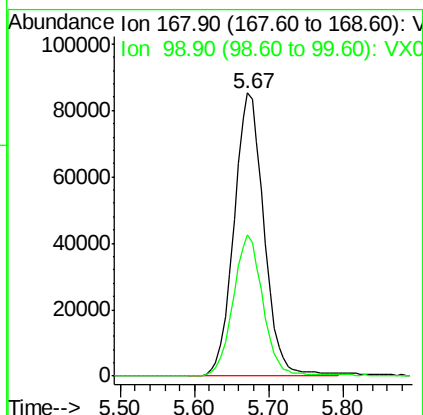
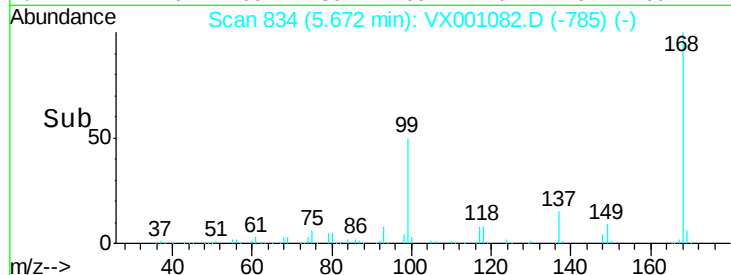
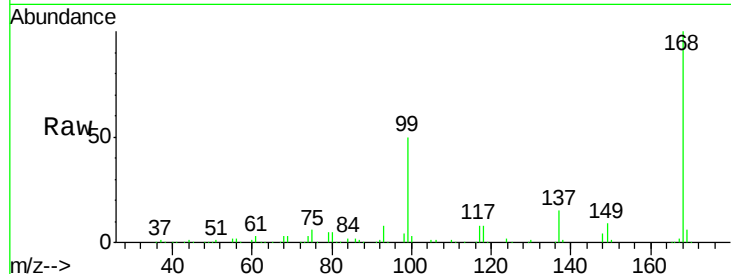




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.00 min
Lab File: VX001082.D
Acq: 24 Apr 2018 17:37

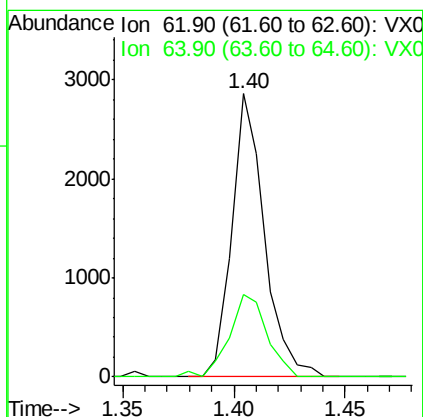
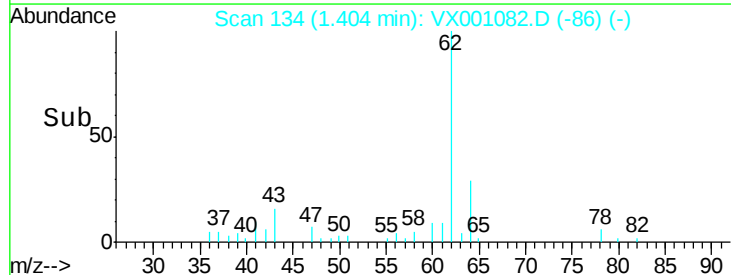
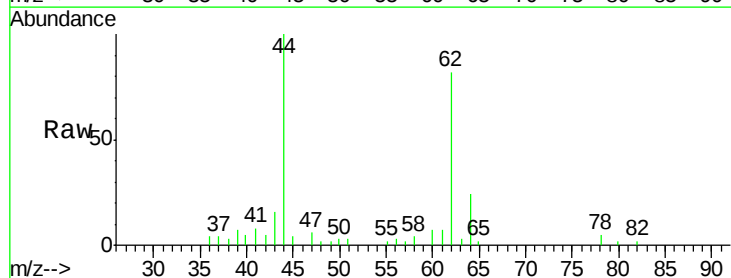
Instrument :
MSVOA_X
ClientSampleId :
LF014MW006-180412

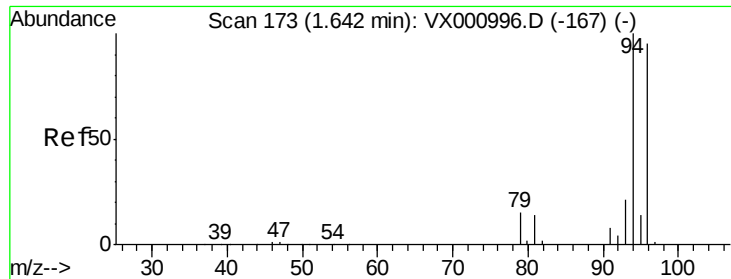
Tgt Ion: 168 Resp: 241287
Ion Ratio Lower Upper
168 100
99 49.9 39.2 58.8



#4
Vinyl Chloride
Concen: 1.01 ug/l
RT: 1.40 min Scan# 134
Delta R.T. -0.01 min
Lab File: VX001082.D
Acq: 24 Apr 2018 17:37

Tgt Ion: 62 Resp: 2905
Ion Ratio Lower Upper
62 100
64 29.2 25.6 38.4





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX001082.D

Acq: 24 Apr 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

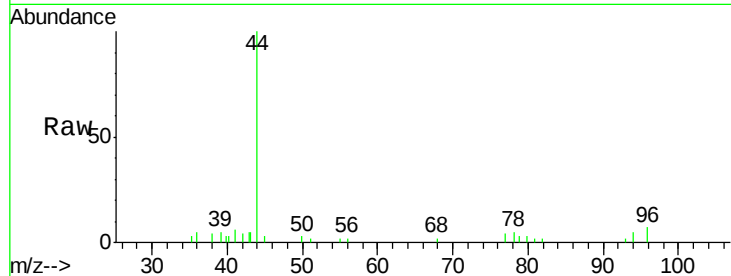
LF014MW006-180412

Tgt Ion: 94 Resp: 361

Ion Ratio Lower Upper

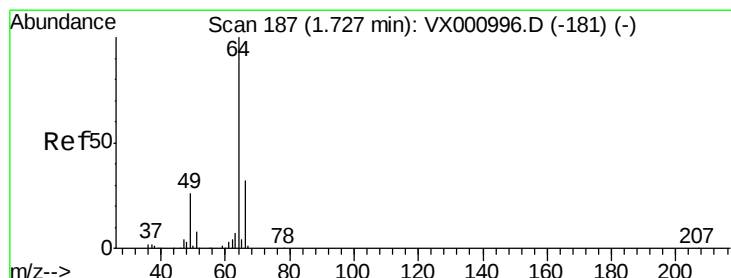
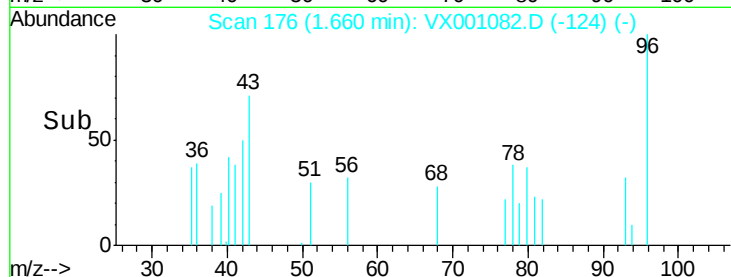
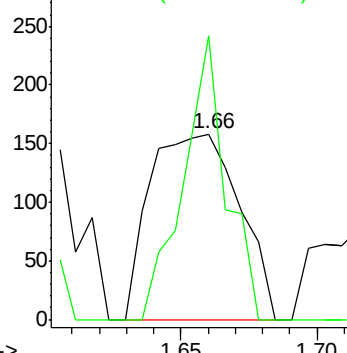
94 100

96 153.2 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: 0.45 ug/l

RT: 1.79 min Scan# 198

Delta R.T. 0.07 min

Lab File: VX001082.D

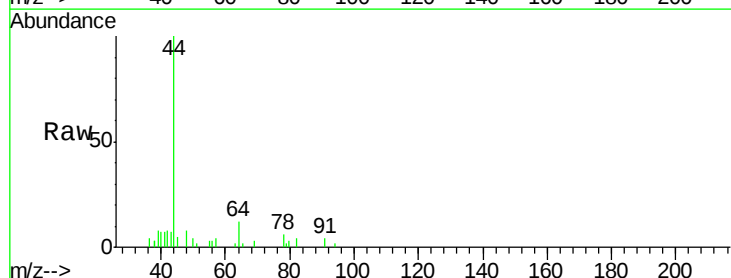
Acq: 24 Apr 2018 17:37

Tgt Ion: 64 Resp: 768

Ion Ratio Lower Upper

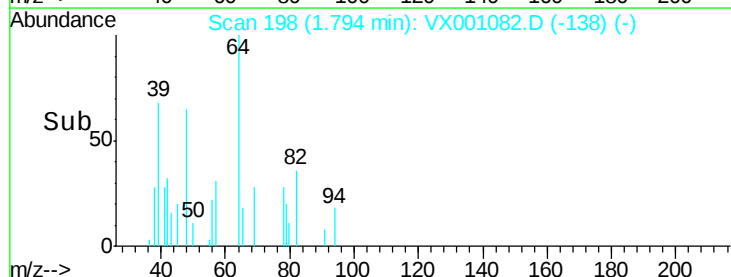
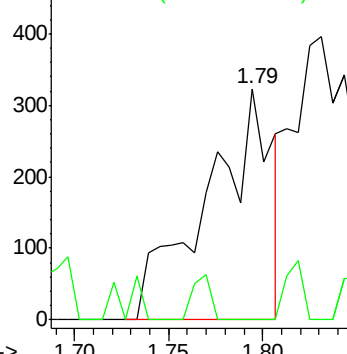
64 100

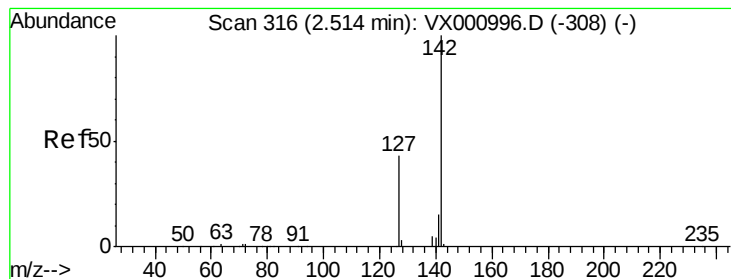
66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methyl Iodide

Concen: 7.66 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX001082.D

Acq: 24 Apr 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

LF014MW006-180412

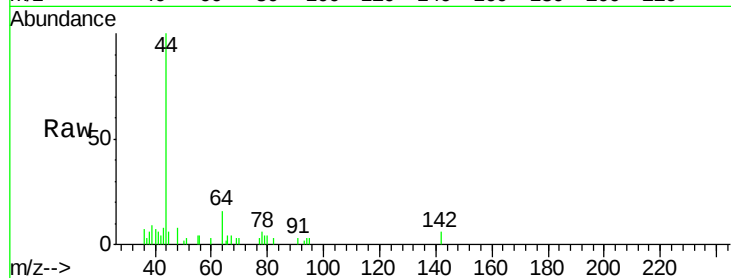
Tgt Ion:142 Resp: 188

Ion Ratio Lower Upper

142 100

127 0.0 34.0 51.0#

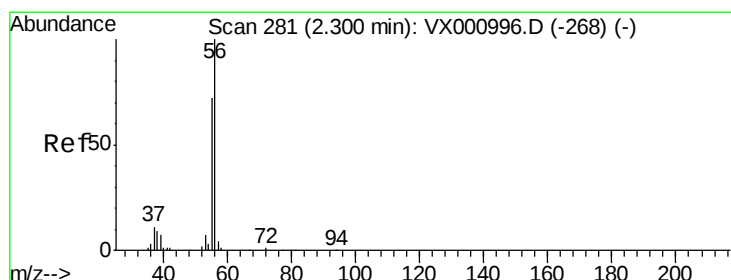
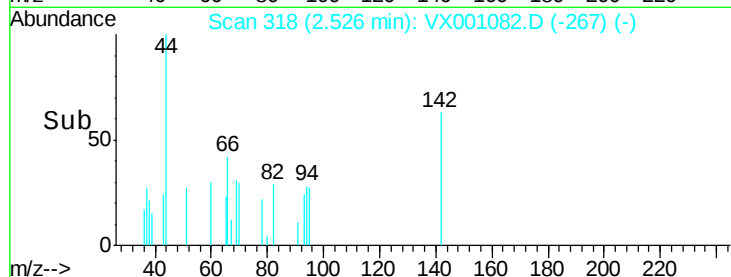
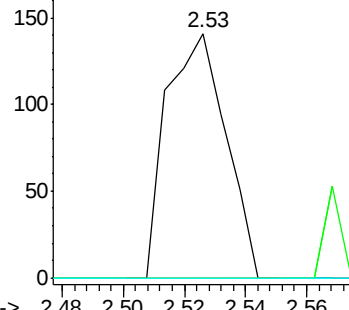
141 0.0 11.4 17.2#



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



#13

Acrolein

Concen: 11.95 ug/l

RT: 2.27 min Scan# 276

Delta R.T. -0.03 min

Lab File: VX001082.D

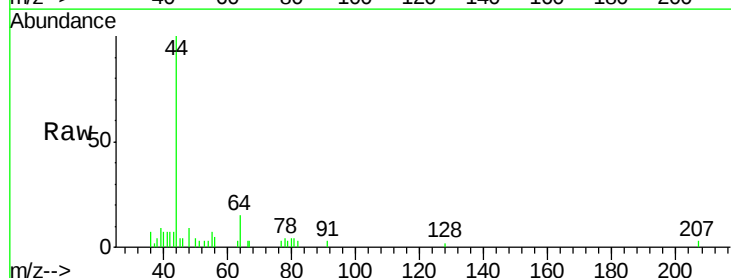
Acq: 24 Apr 2018 17:37

Tgt Ion: 56 Resp: 152

Ion Ratio Lower Upper

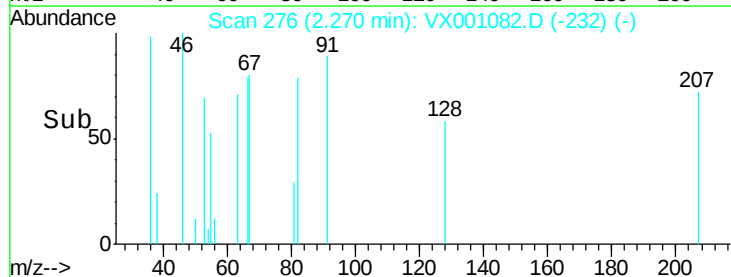
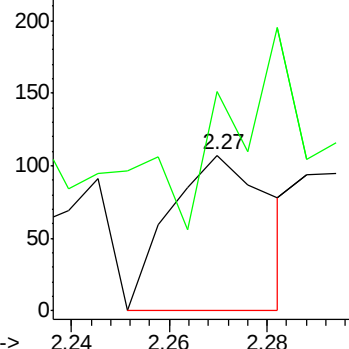
56 100

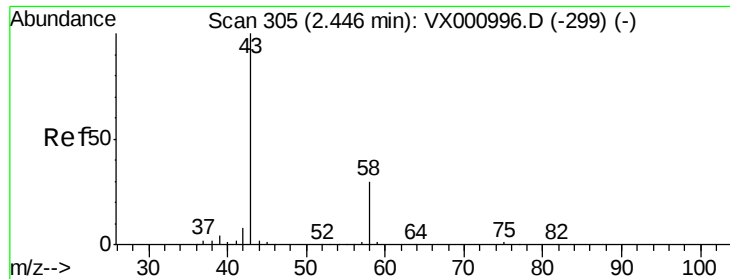
55 101.3 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.51 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001082.D

Acq: 24 Apr 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

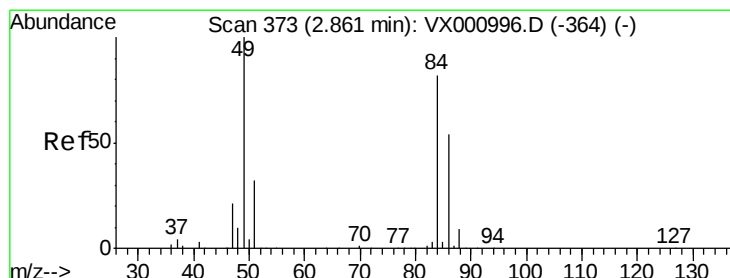
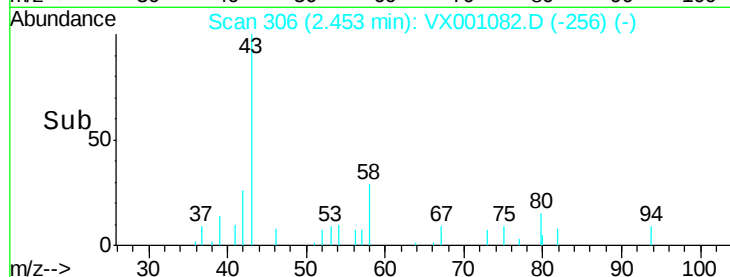
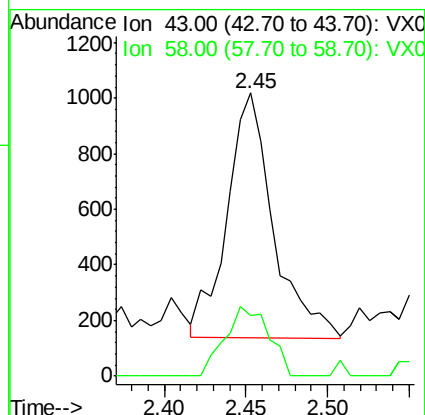
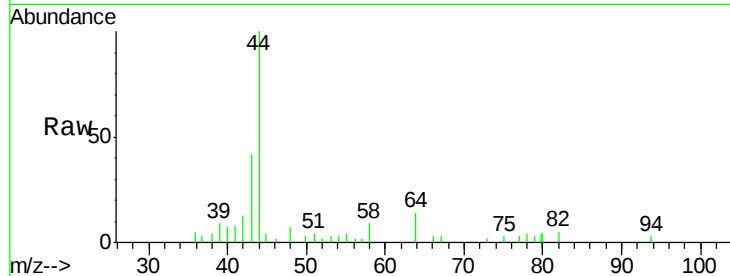
LF014MW006-180412

Tgt Ion: 43 Resp: 1736

Ion Ratio Lower Upper

43 100

58 24.8 23.7 35.5



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX001082.D

Acq: 24 Apr 2018 17:37

Tgt Ion: 84 Resp: 923

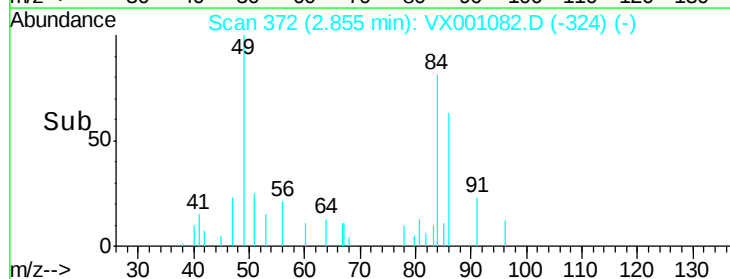
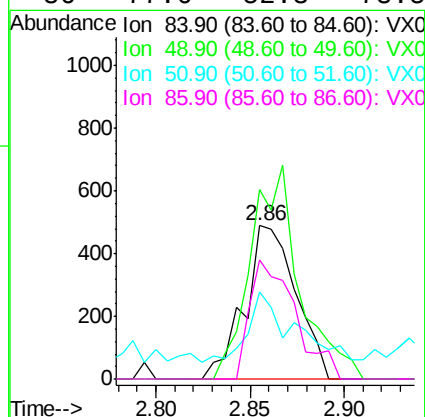
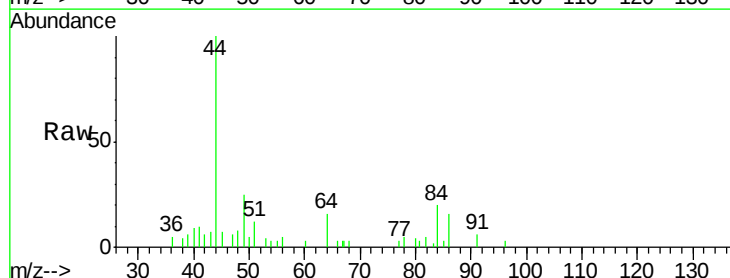
Ion Ratio Lower Upper

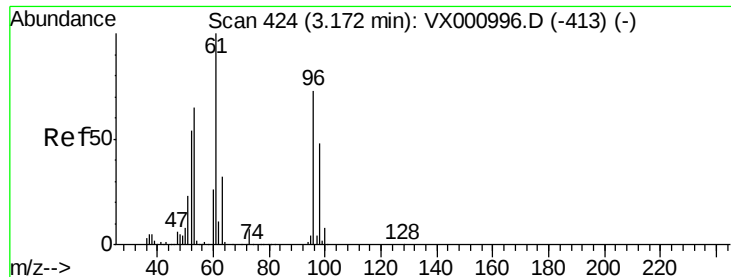
84 100

49 123.3 97.1 145.7

51 40.2 30.8 46.2

86 77.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 0.33 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX001082.D

Acq: 24 Apr 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

LF014MW006-180412

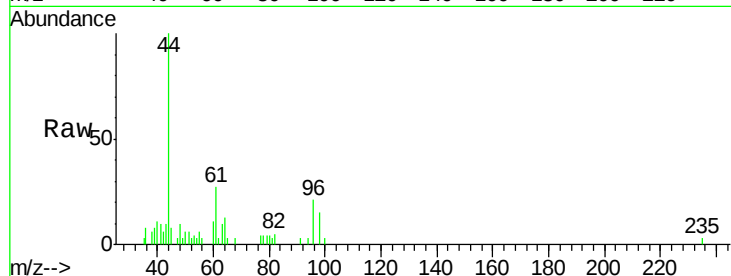
Tgt Ion: 96 Resp: 866

Ion Ratio Lower Upper

96 100

61 125.7 109.4 164.2

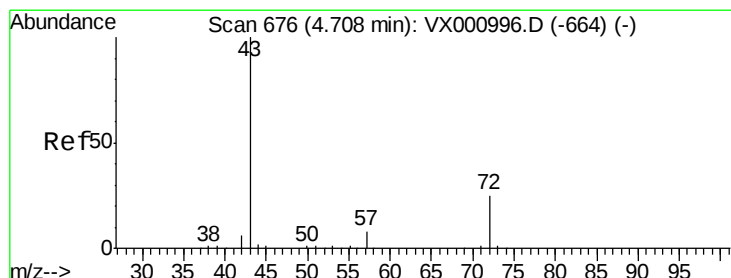
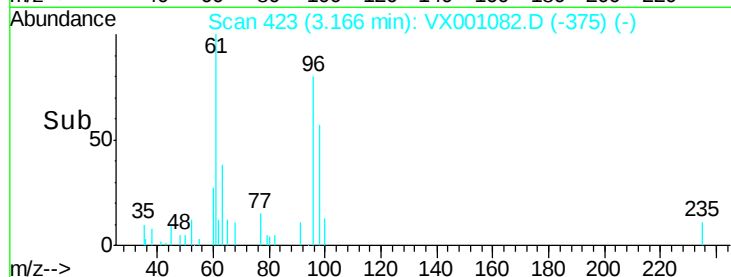
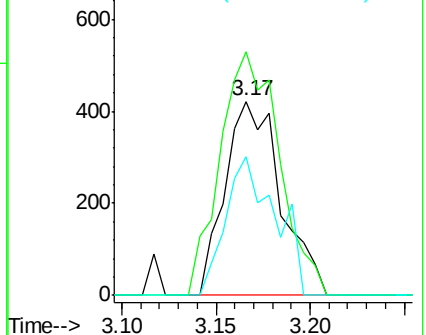
98 71.3 52.6 78.8



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



#25

2-Butanone

Concen: 0.21 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.02 min

Lab File: VX001082.D

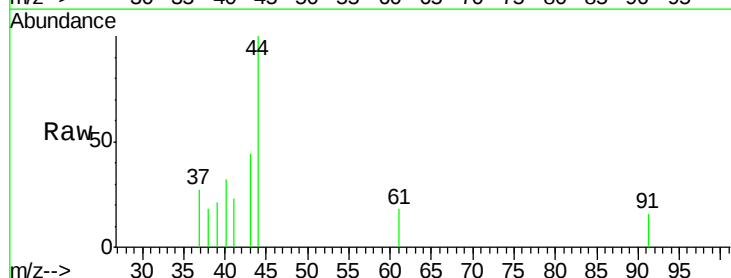
Acq: 24 Apr 2018 17:37

Tgt Ion: 43 Resp: 370

Ion Ratio Lower Upper

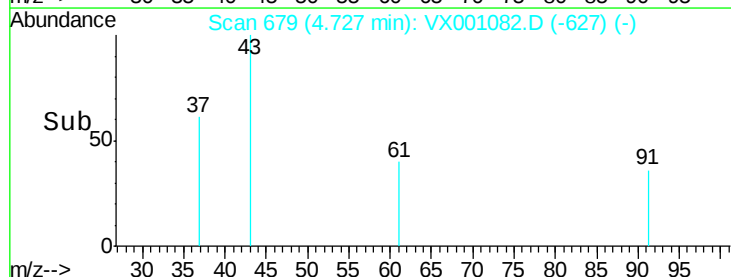
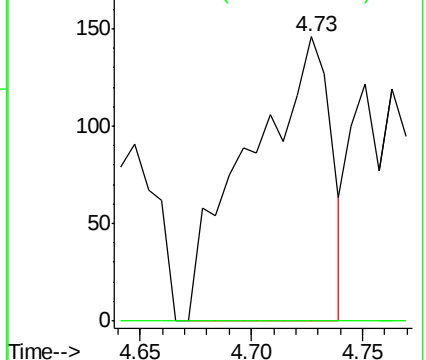
43 100

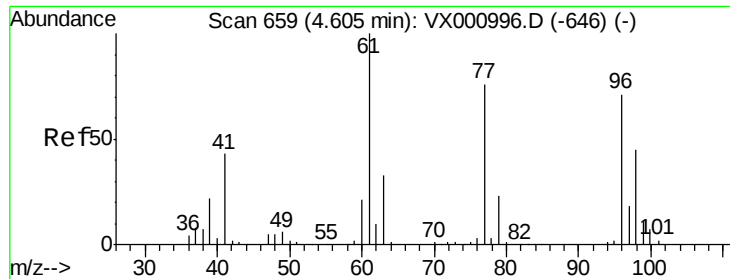
72 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#27

cis-1,2-Dichloroethene

Concen: 13.17 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001082.D

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Instrument :

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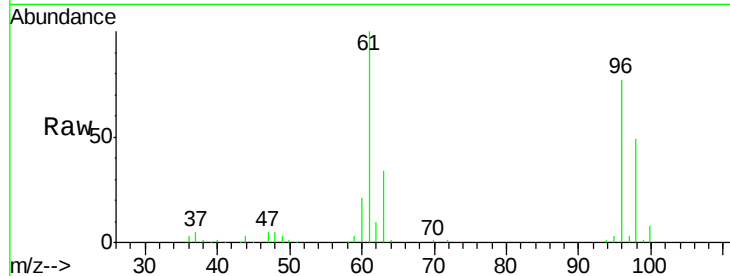
Tgt Ion: 96 Resp: 38387

Ion Ratio Lower Upper

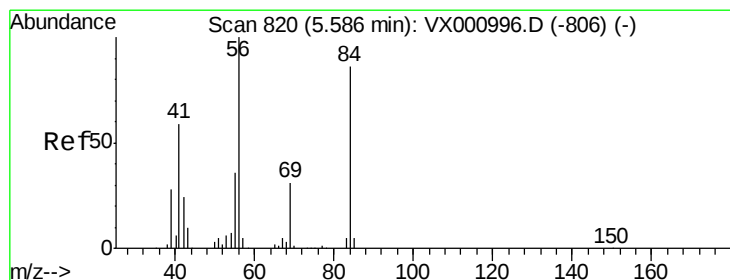
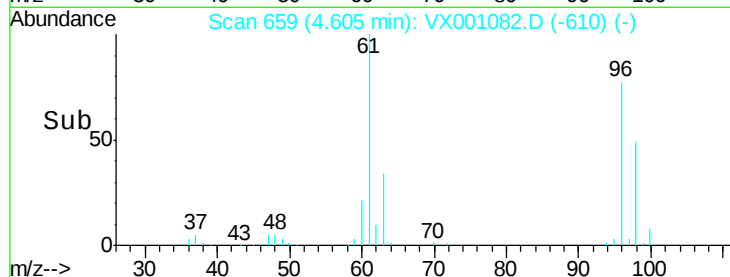
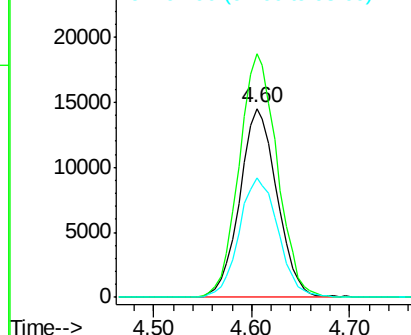
96 100

61 131.6 0.0 297.0

98 66.2 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



#31

Cyclohexane

Concen: 1.05 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.08 min

Lab File: VX001082.D

Acq: 24 Apr 2018 17:37

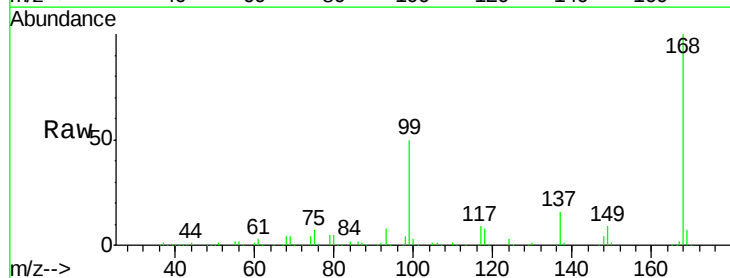
Tgt Ion: 56 Resp: 4530

Ion Ratio Lower Upper

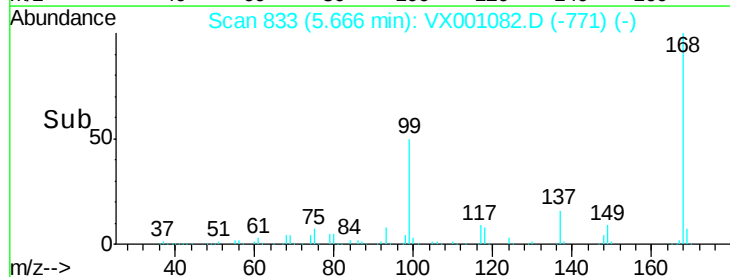
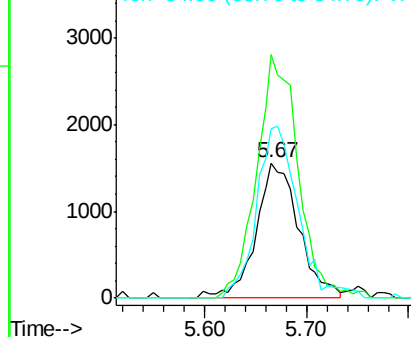
56 100

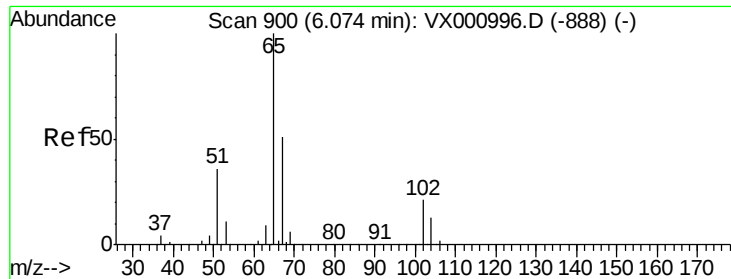
69 180.6 24.6 36.8#

84 125.3 69.0 103.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 57.77 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001082.D

Acq: 24 Apr 2018 17:37

Instrument :

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ClientSampleId :

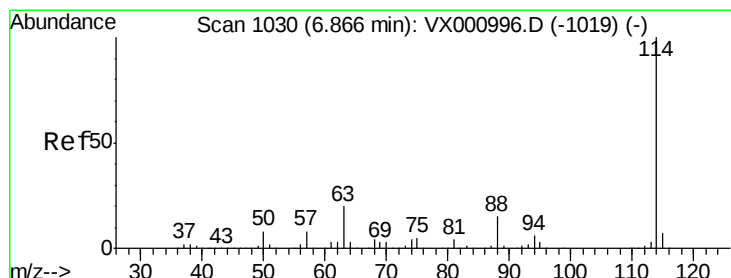
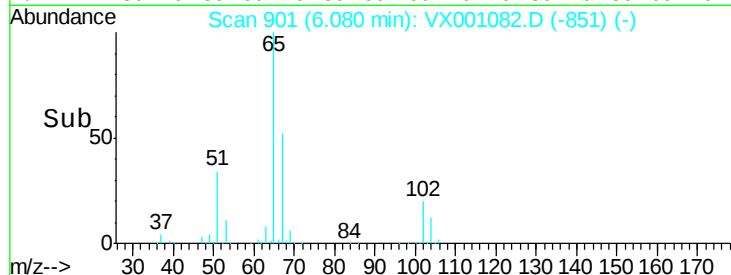
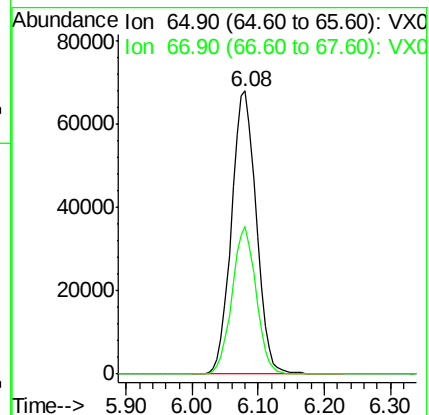
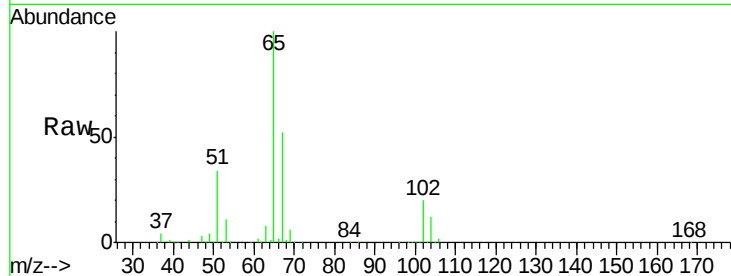
LF014MW006-180412

Tgt Ion: 65 Resp: 176690

Ion Ratio Lower Upper

65 100

67 50.5 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: VX001082.D

Acq: 24 Apr 2018 17:37

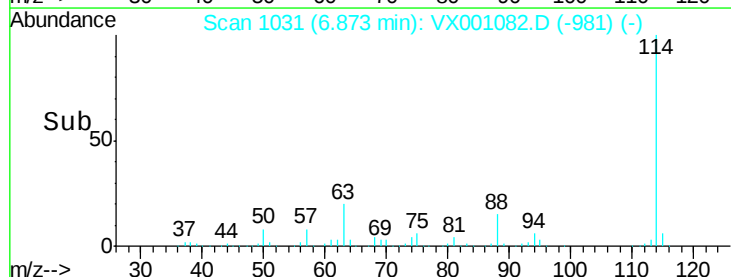
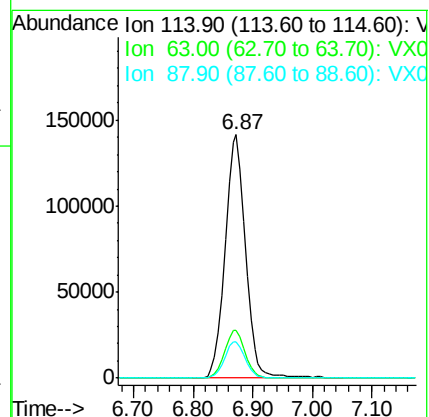
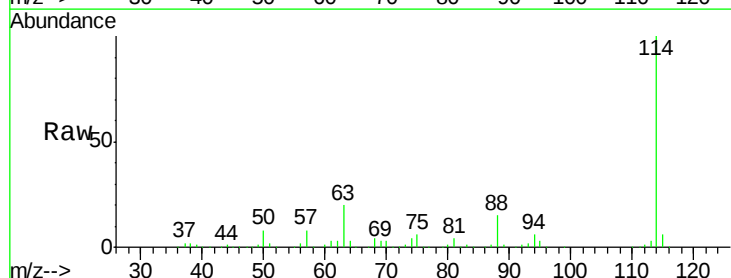
Tgt Ion: 114 Resp: 338489

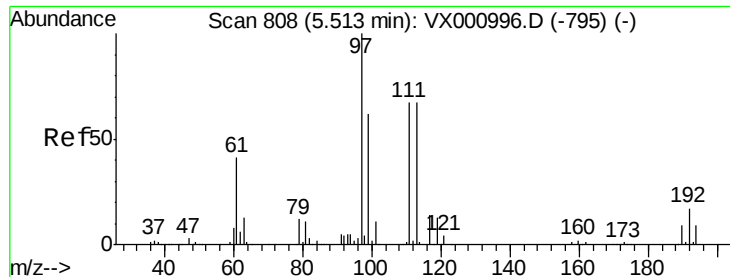
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.4

88 14.9 0.0 29.8





#35

Dibromofluoromethane

Concen: 52.72 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001082.D

Acq: 24 Apr 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

LF014MW006-180412

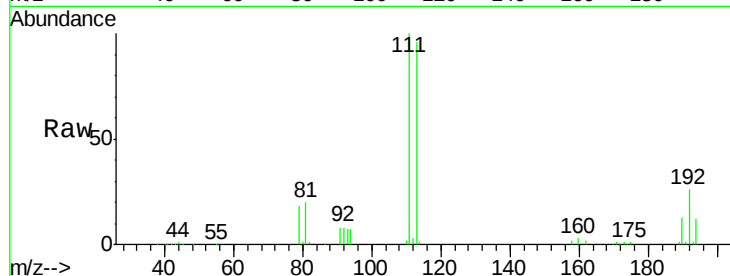
Tgt Ion:113 Resp: 136084

Ion Ratio Lower Upper

113 100

111 100.7 81.4 122.2

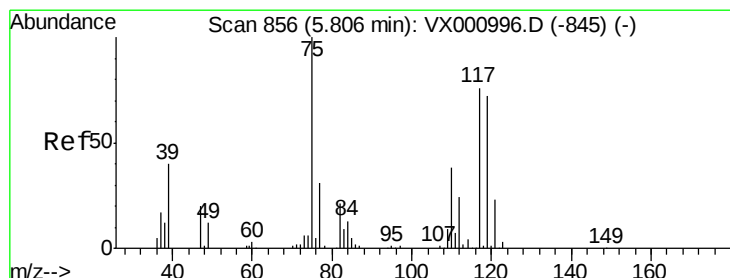
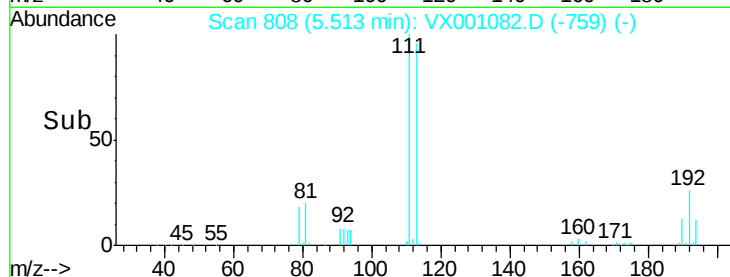
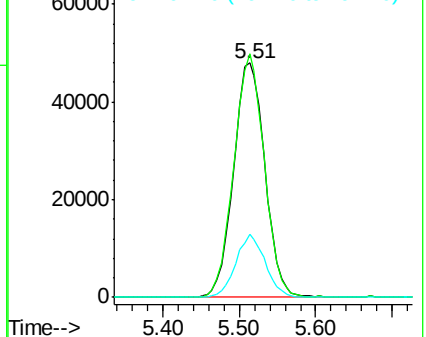
192 25.2 20.4 30.6



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: 3.86 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001082.D

Acq: 24 Apr 2018 17:37

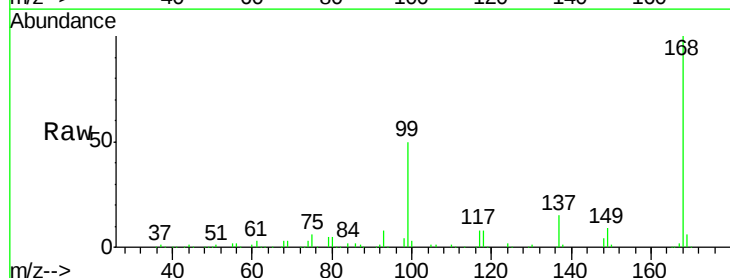
Tgt Ion: 75 Resp: 15370

Ion Ratio Lower Upper

75 100

110 10.1 18.7 56.1#

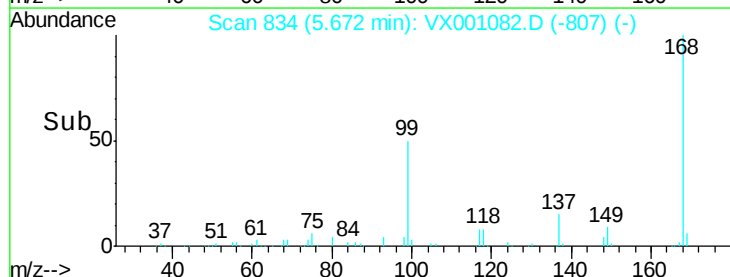
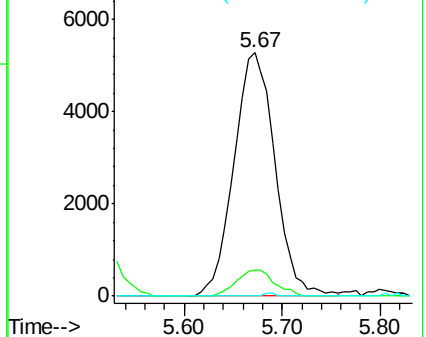
77 0.3 25.0 37.4#

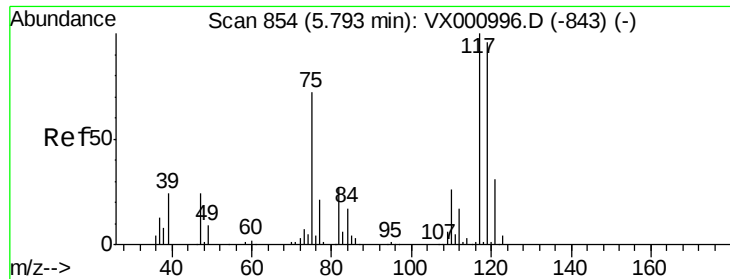


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.32 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX001082.D

Acq: 24 Apr 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

LF014MW006-180412

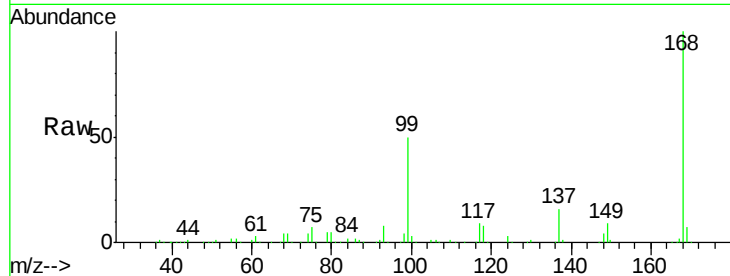
Tgt Ion:117 Resp: 21431

Ion Ratio Lower Upper

117 100

119 4.7 76.5 114.7#

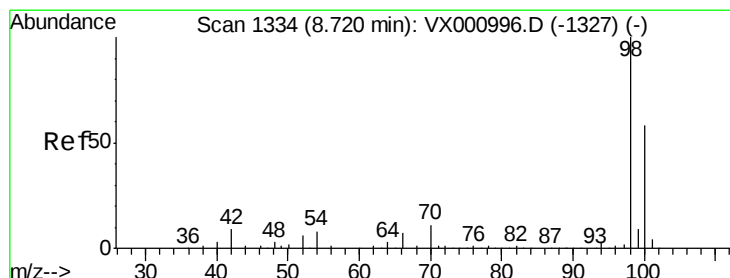
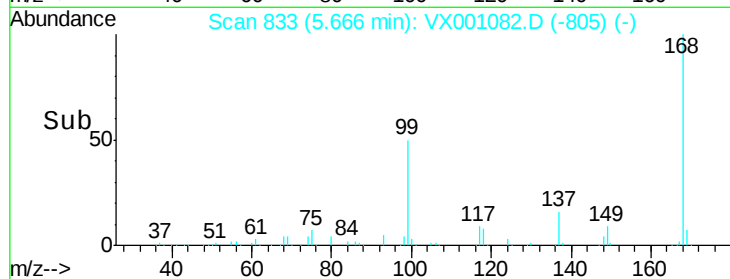
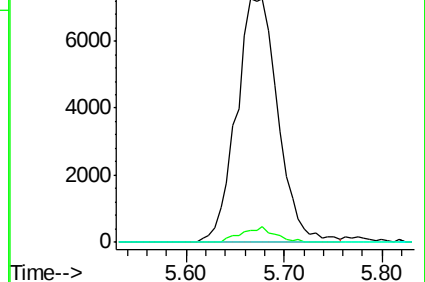
121 0.0 24.5 36.7#



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



#50

Toluene-d8

Concen: 53.85 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001082.D

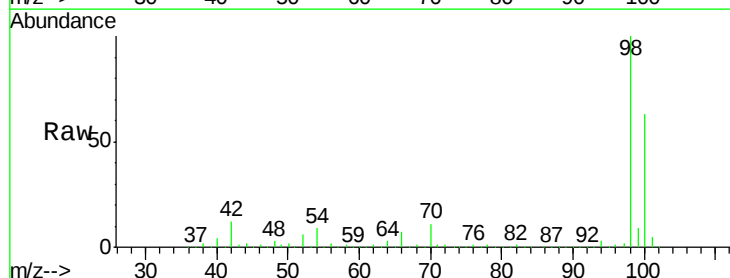
Acq: 24 Apr 2018 17:37

Tgt Ion: 98 Resp: 513909

Ion Ratio Lower Upper

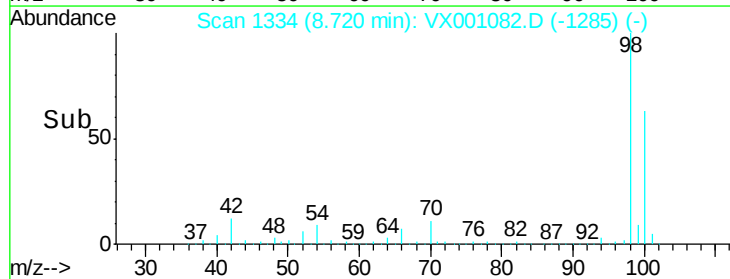
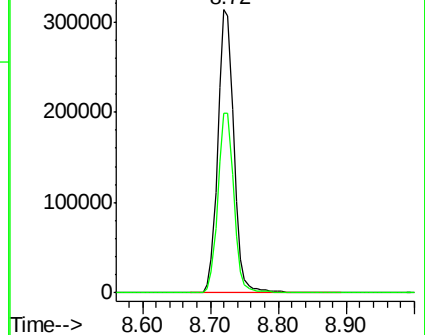
98 100

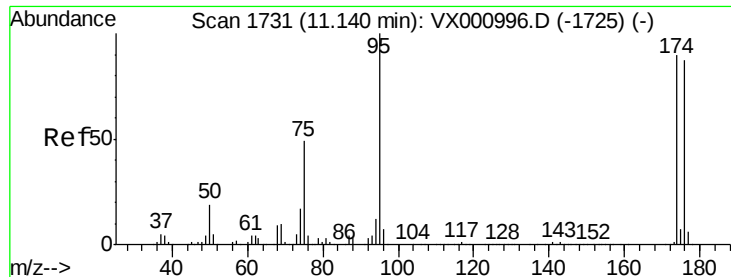
100 63.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

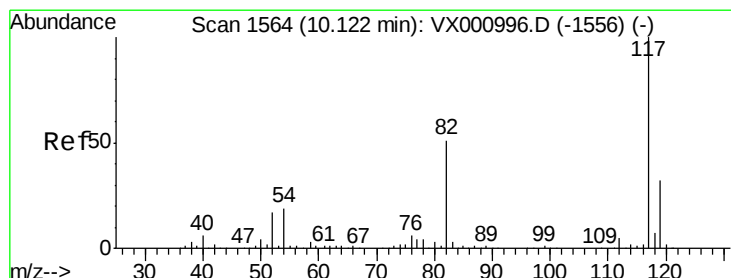
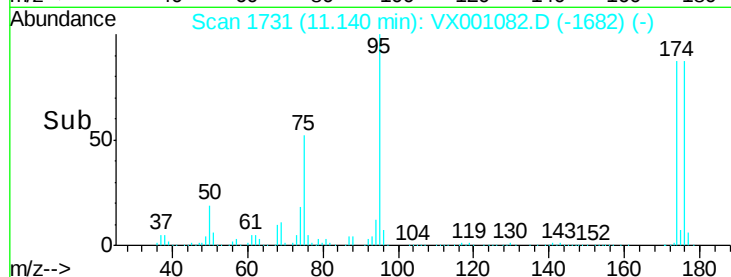
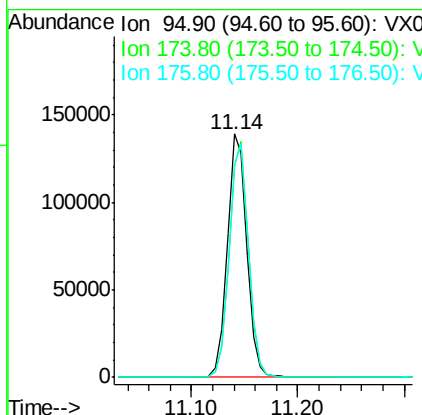
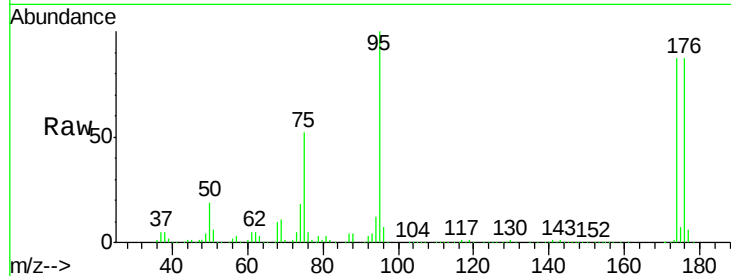




#62
4-Bromofluorobenzene
Concen: 44.39 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001082.D
Acq: 24 Apr 2018 17:37

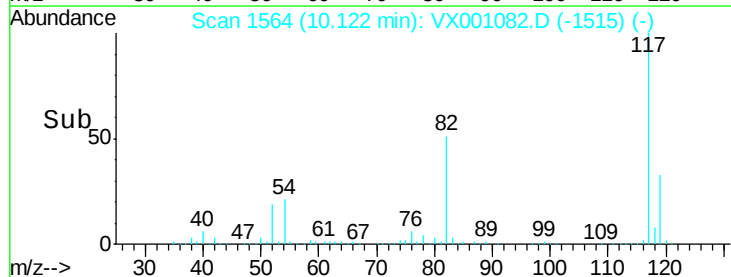
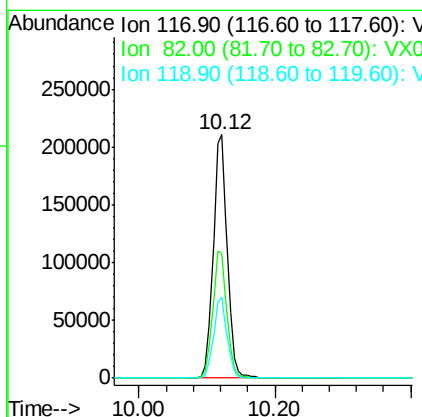
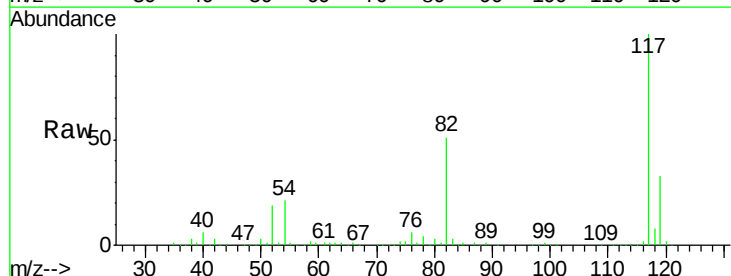
Instrument :
MSVOA_X
ClientSampleId :
LF014MW006-180412

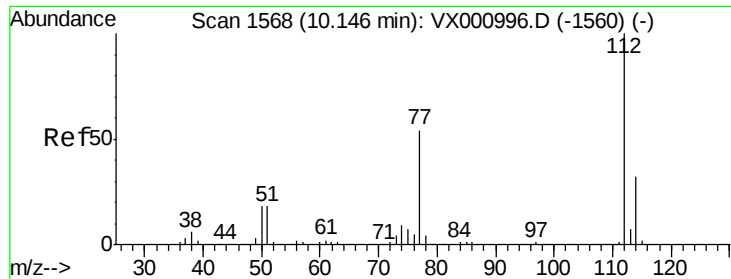
Tgt Ion: 95 Resp: 177787
Ion Ratio Lower Upper
95 100
174 96.5 0.0 198.4
176 95.5 0.0 192.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001082.D
Acq: 24 Apr 2018 17:37

Tgt Ion: 117 Resp: 299481
Ion Ratio Lower Upper
117 100
82 51.2 40.6 60.8
119 33.2 26.0 39.0





#65

Chlorobenzene

Concen: 1.15 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001082.D

Acq: 24 Apr 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

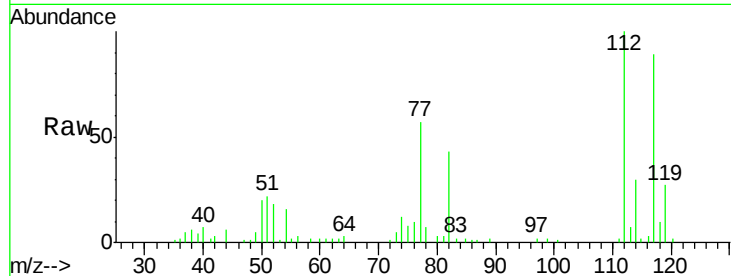
LF014MW006-180412

Tgt Ion:112 Resp: 9160

Ion Ratio Lower Upper

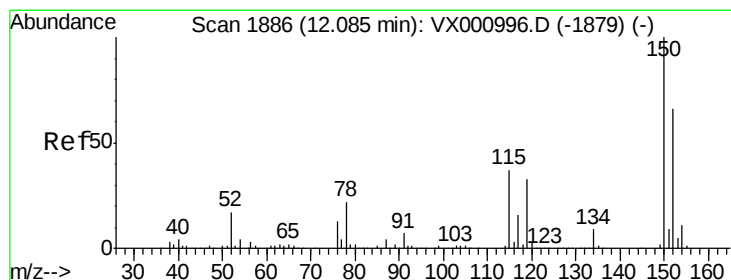
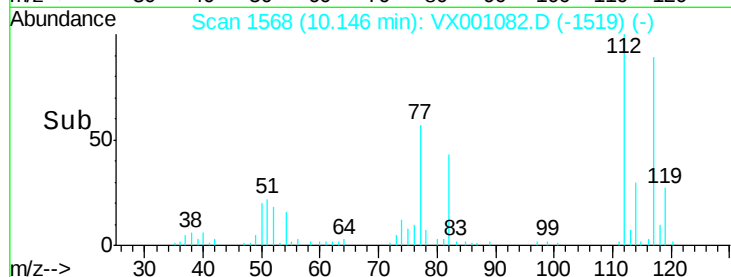
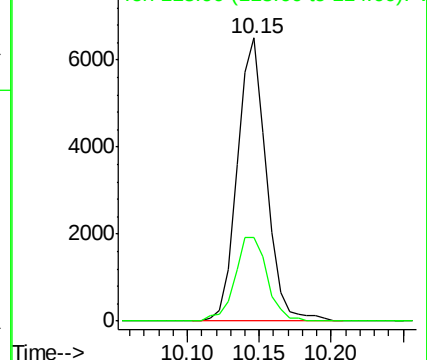
112 100

114 29.5 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001082.D

Acq: 24 Apr 2018 17:37

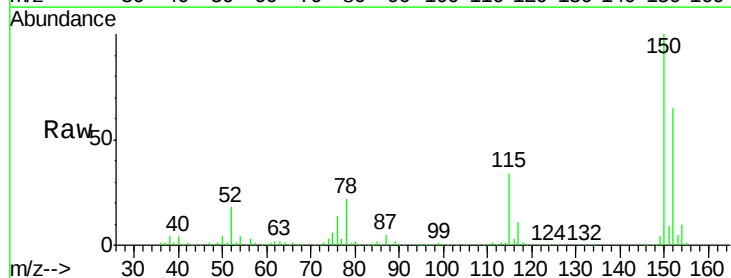
Tgt Ion:152 Resp: 167532

Ion Ratio Lower Upper

152 100

115 53.8 38.2 114.6

150 155.0 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

