

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041218\
 Data File : VX000825.D
 Acq On : 13 Apr 2018 01:54
 Operator : JC/MD
 Sample : J2163-04 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PL-01-041118-B

Quant Time: Apr 13 07:01:16 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	285097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	369191	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	339090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	220305	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	162344	45.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.32%	
35) Dibromofluoromethane	5.51	113	132987	46.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.50%	
50) Toluene-d8	8.72	98	508225	47.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.98%	
62) 4-Bromofluorobenzene	11.15	95	199086	45.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.88%	

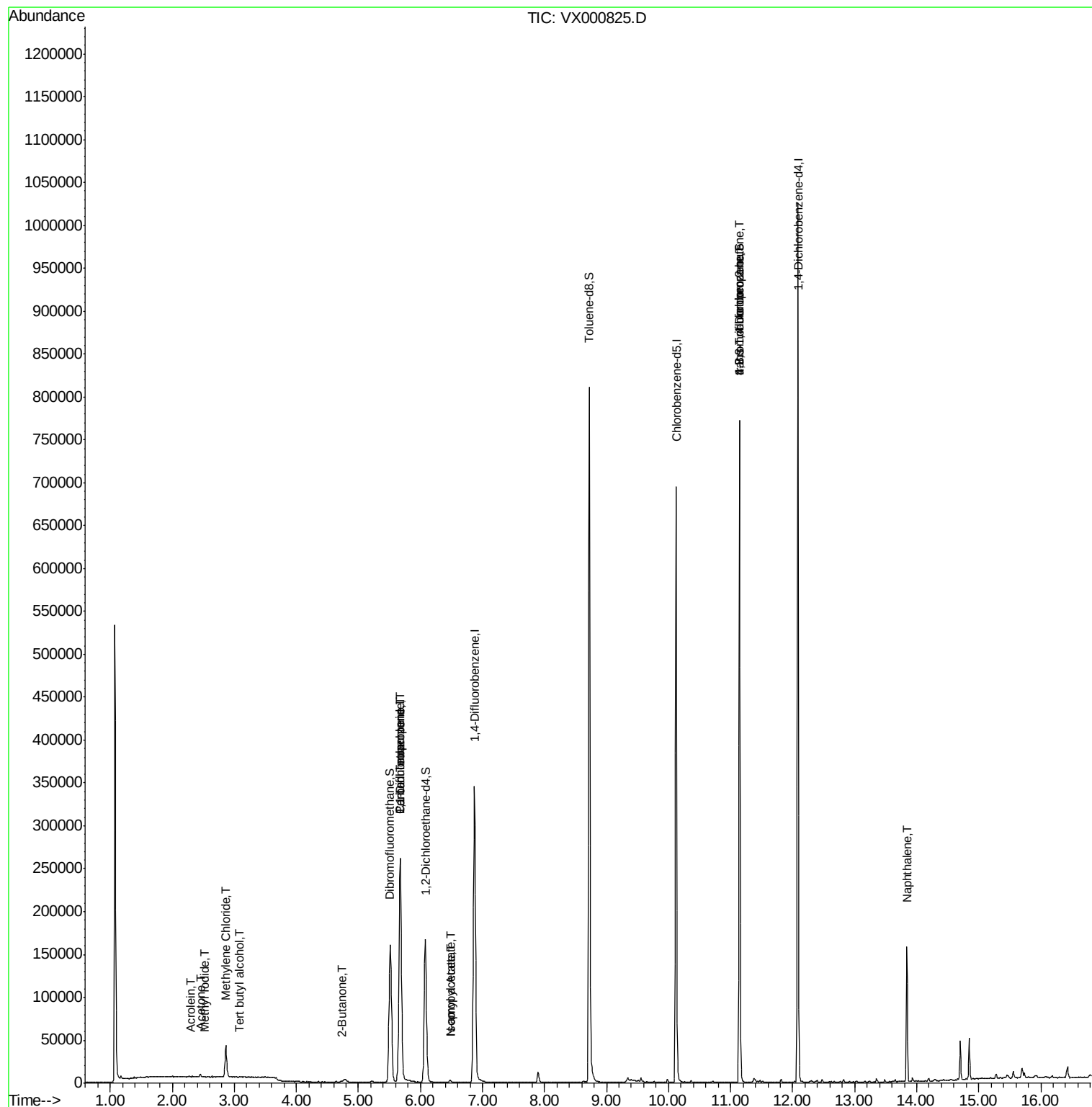
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	218	Below Cal		82
10) Methyl Iodide	2.53	142	159	8.29 ug/l	#	78
11) Tert butyl alcohol	3.08	59	312	0.49 ug/l	#	16
13) Acrolein	2.29	56	112	0.36 ug/l		83
16) Acetone	2.45	43	3403	2.75 ug/l		98
20) Methylene Chloride	2.87	84	18765	6.51 ug/l		90
25) 2-Butanone	4.73	43	1291	0.63 ug/l	#	81
36) 1,1-Dichloropropene	5.67	75	16886	4.15 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	23458	5.15 ug/l	#	14
43) Isopropyl Acetate	6.48	43	2550	0.37 ug/l	#	88
74) N-amyl acetate	6.48	43	2550	0.41 ug/l	#	57
76) 1,2,3-Trichloropropane	11.14	75	97069	25.55 ug/l	#	36
81) trans-1,4-Dichloro-2-buten	11.14	75	97069	70.28 ug/l	#	11
95) Naphthalene	13.84	128	96473	6.02 ug/l		100

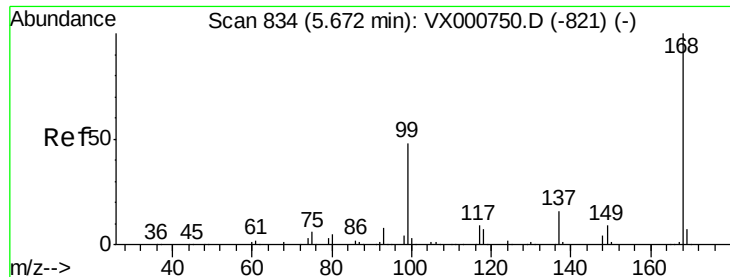
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041218\
Data File : VX000825.D
Acq On : 13 Apr 2018 01:54
Operator : JC/MD
Sample : J2163-04 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PL-01-041118-B

Quant Time: Apr 13 07:01:16 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 10 15:49:28 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000825.D

Acq: 13 Apr 2018 01:54

Instrument :

MSVOA_X

ClientSampled :

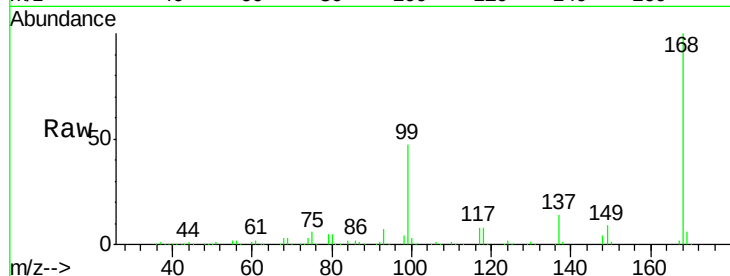
PL-01-041118-B

Tgt Ion:168 Resp: 285097

Ion Ratio Lower Upper

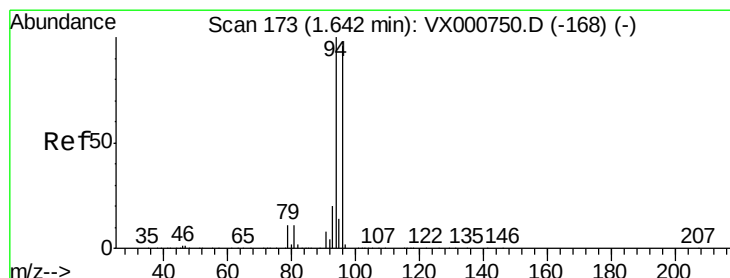
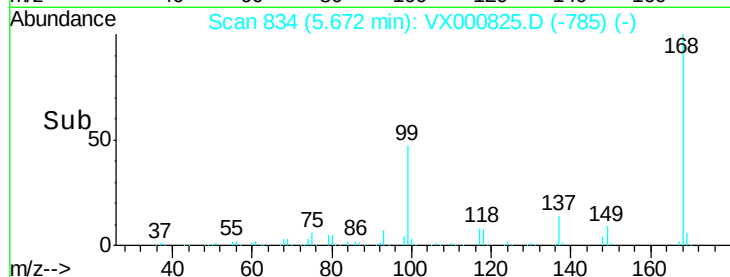
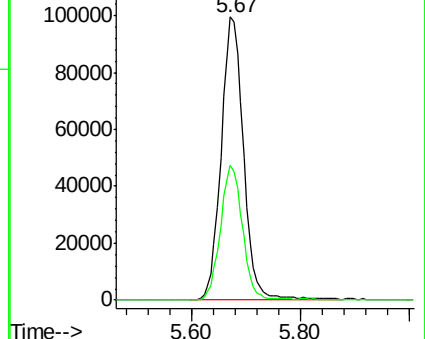
168 100

99 47.4 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000825.D

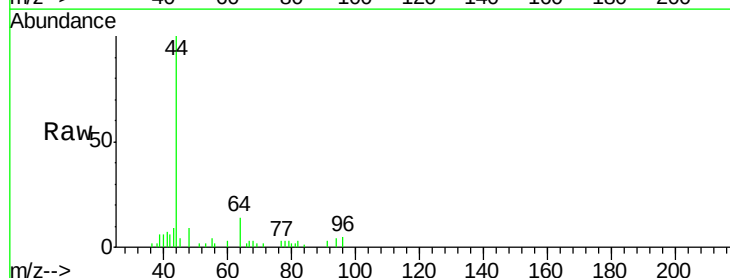
Acq: 13 Apr 2018 01:54

Tgt Ion: 94 Resp: 218

Ion Ratio Lower Upper

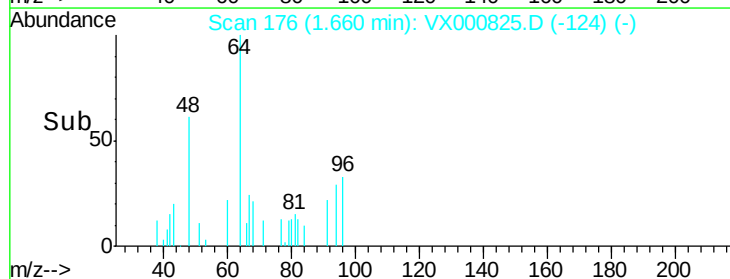
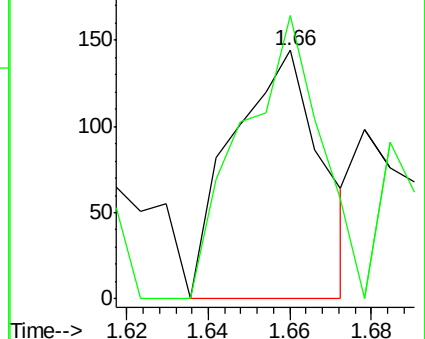
94 100

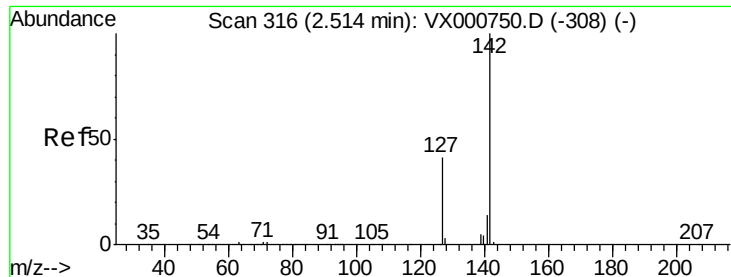
96 113.9 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 8.29 ug/l

RT: 2.53 min Scan# 319

Delta R.T. 0.02 min

Lab File: VX000825.D

Acq: 13 Apr 2018 01:54

Instrument :

MSVOA_X

ClientSampleId :

PL-01-041118-B

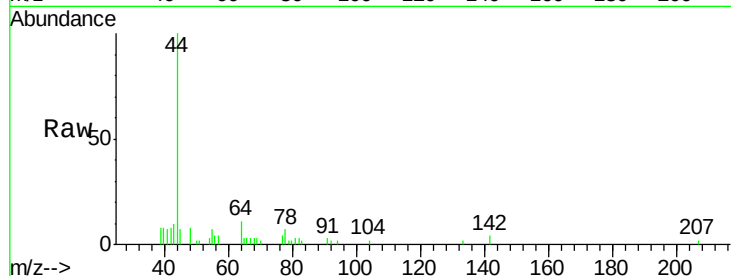
Tgt Ion:142 Resp: 159

Ion Ratio Lower Upper

142 100

127 30.2 32.6 49.0#

141 0.0 11.5 17.3#



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

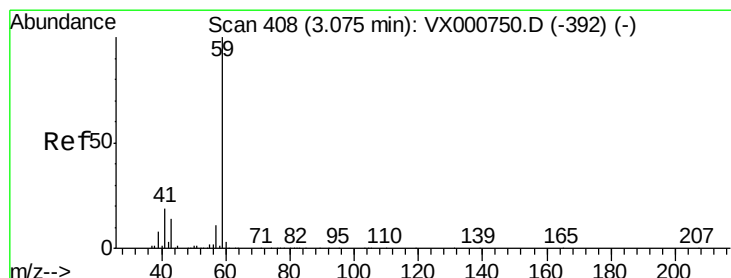
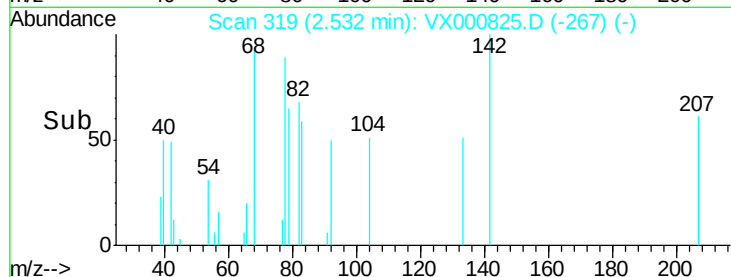
2.53

100

50

0

Time--> 2.48 2.50 2.52 2.54 2.56



#11

Tert butyl alcohol

Concen: 0.49 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.01 min

Lab File: VX000825.D

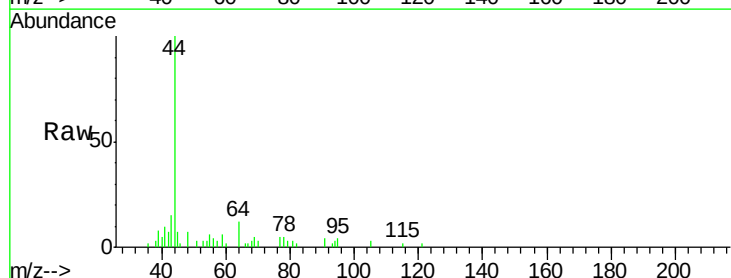
Acq: 13 Apr 2018 01:54

Tgt Ion: 59 Resp: 312

Ion Ratio Lower Upper

59 100

57 42.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.08

200

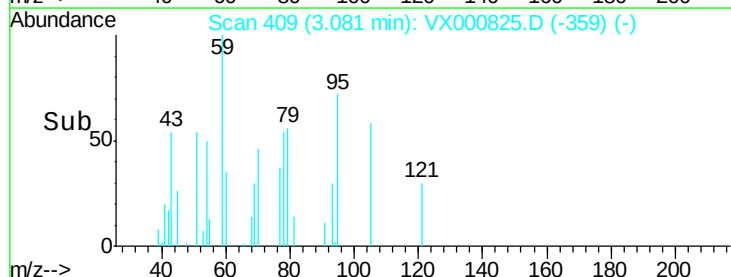
150

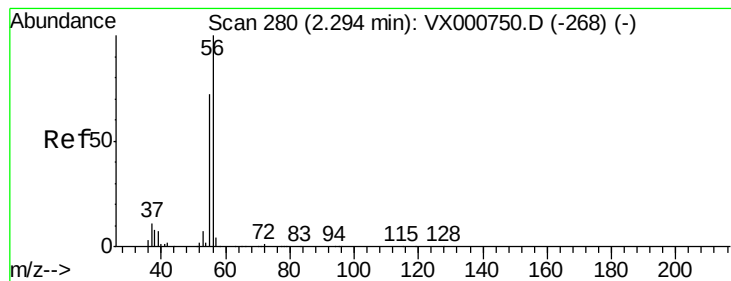
100

50

0

Time--> 3.05 3.10





#13

Acrolein

Concen: 0.36 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX000825.D

Acq: 13 Apr 2018 01:54

Instrument :

MSVOA_X

ClientSampleId :

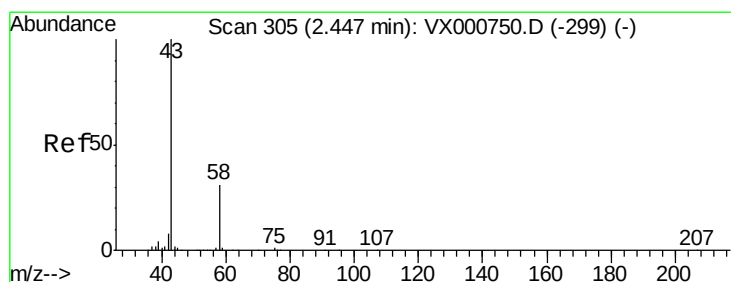
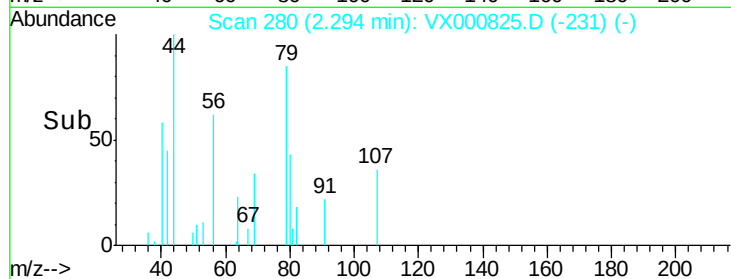
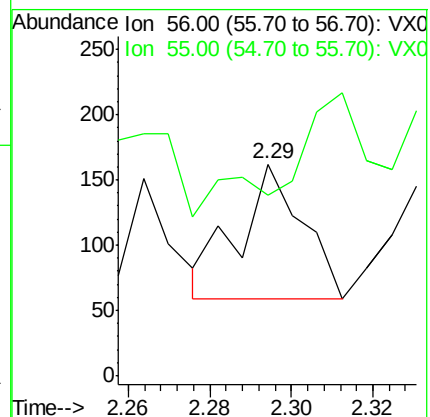
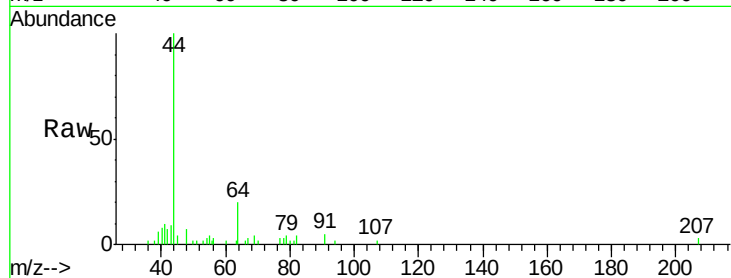
PL-01-041118-B

Tgt Ion: 56 Resp: 112

Ion Ratio Lower Upper

56 100

55 87.5 58.7 88.1



#16

Acetone

Concen: 2.75 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000825.D

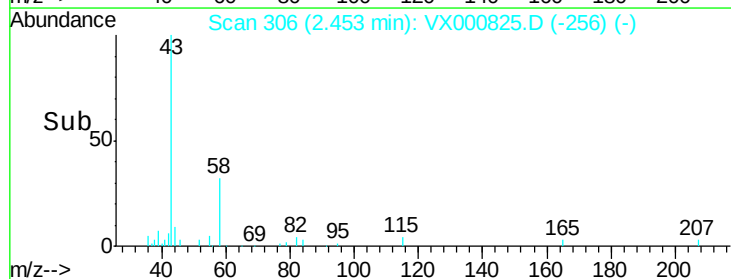
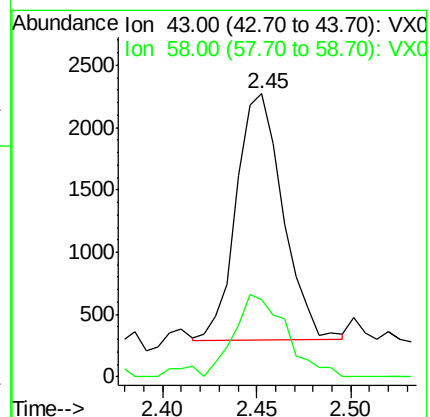
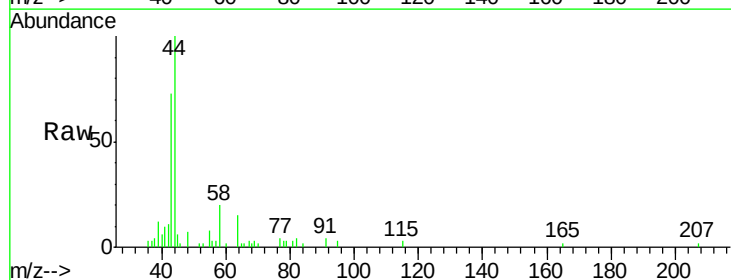
Acq: 13 Apr 2018 01:54

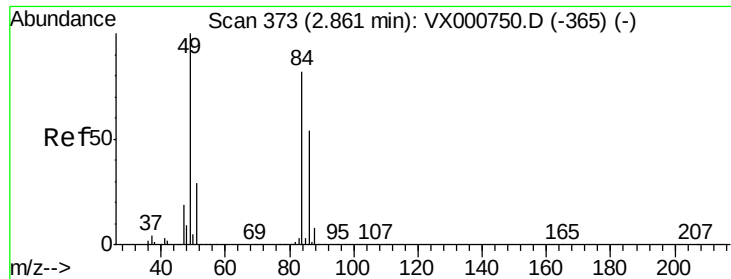
Tgt Ion: 43 Resp: 3403

Ion Ratio Lower Upper

43 100

58 31.8 24.6 37.0

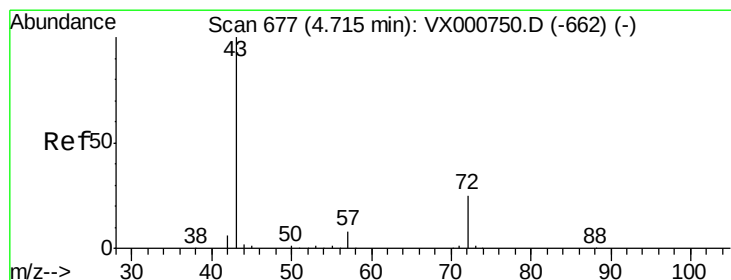
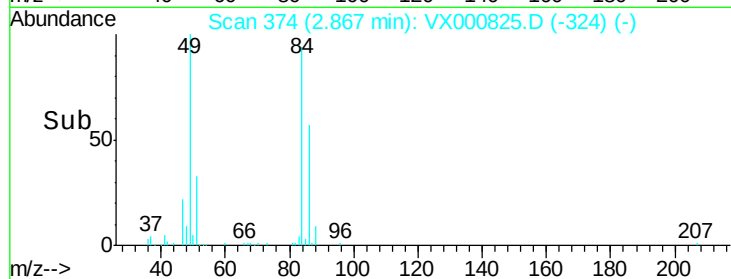
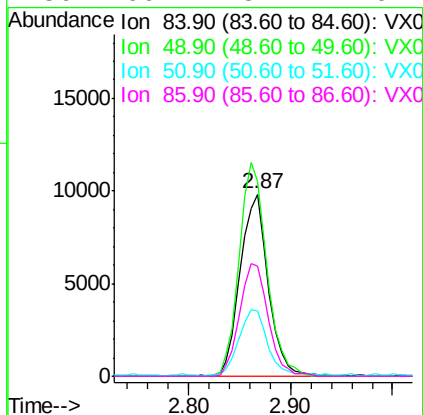
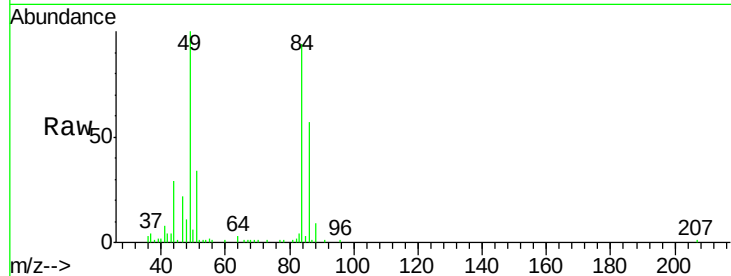




#20
Methylene Chloride
Concen: 6.51 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX000825.D
Acq: 13 Apr 2018 01:54

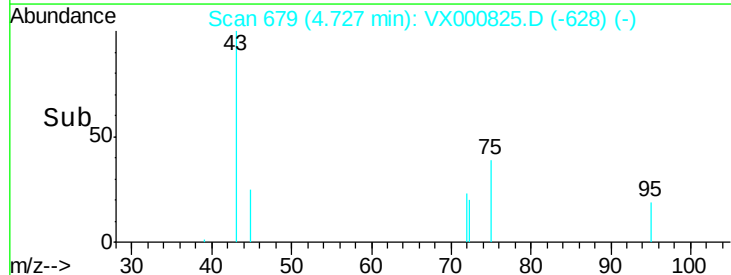
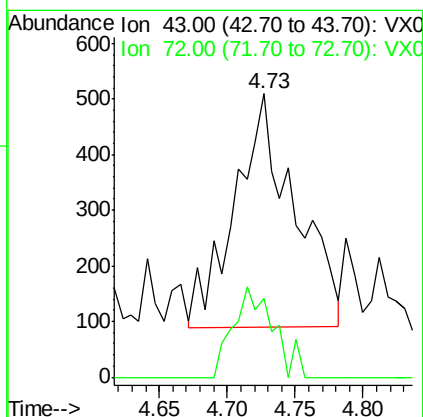
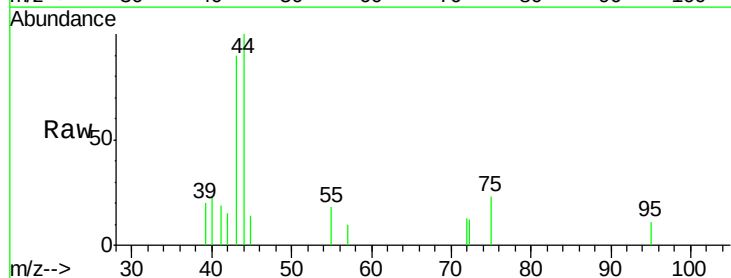
Instrument :
MSVOA_X
ClientSampled :
PL-01-041118-B

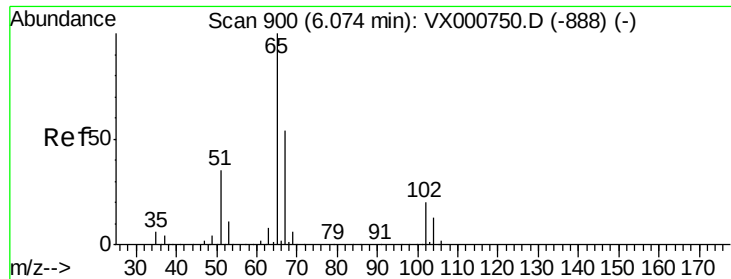
Tgt Ion: 84 Resp: 18765
Ion Ratio Lower Upper
84 100
49 106.5 98.1 147.1
51 35.2 28.9 43.3
86 60.7 52.7 79.1



#25
2-Butanone
Concen: 0.63 ug/l
RT: 4.73 min Scan# 679
Delta R.T. 0.01 min
Lab File: VX000825.D
Acq: 13 Apr 2018 01:54

Tgt Ion: 43 Resp: 1291
Ion Ratio Lower Upper
43 100
72 34.8 20.3 30.5#

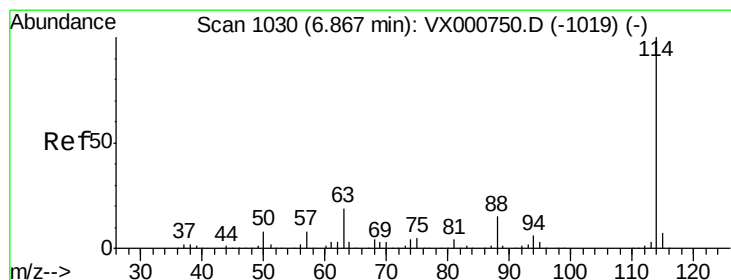
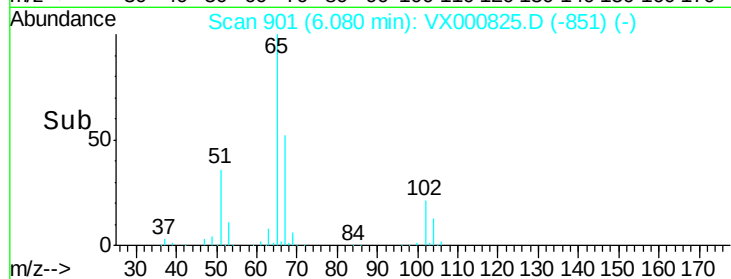
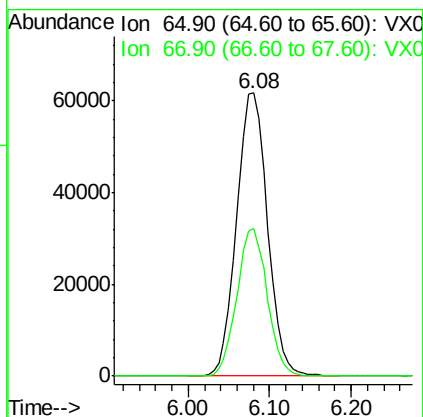
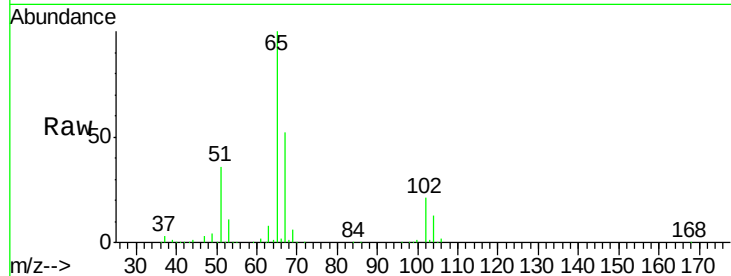




#33
 1,2-Dichloroethane-d4
 Concen: 45.16 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX000825.D
 Acq: 13 Apr 2018 01:54

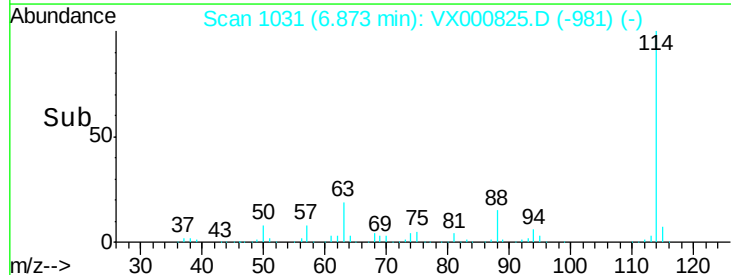
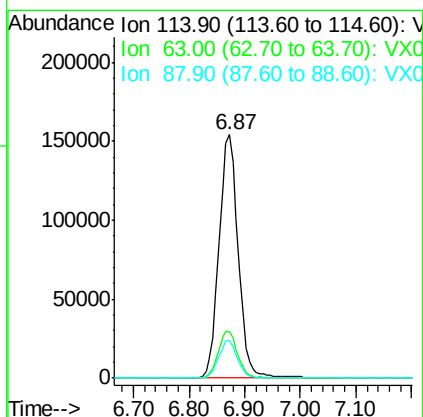
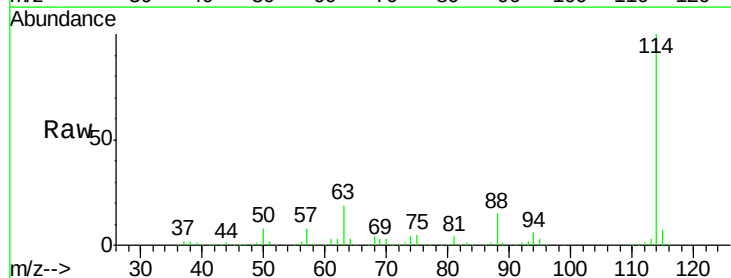
Instrument :
 MSVOA_X
 ClientSampleId :
 PL-01-041118-B

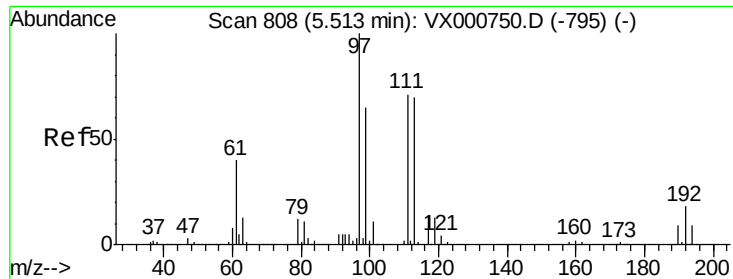
Tgt Ion: 65 Resp: 162344
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000825.D
 Acq: 13 Apr 2018 01:54

Tgt Ion: 114 Resp: 369191
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.4
 88 15.3 0.0 31.0

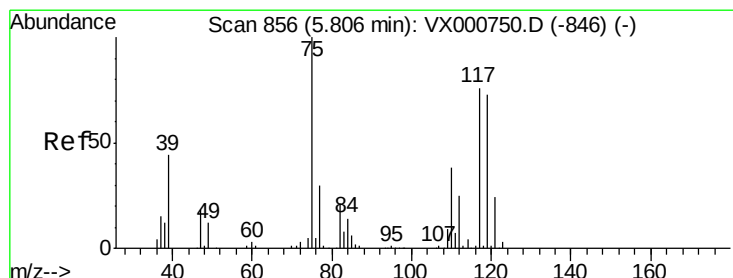
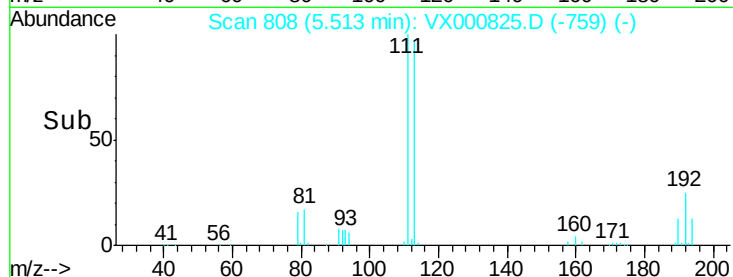
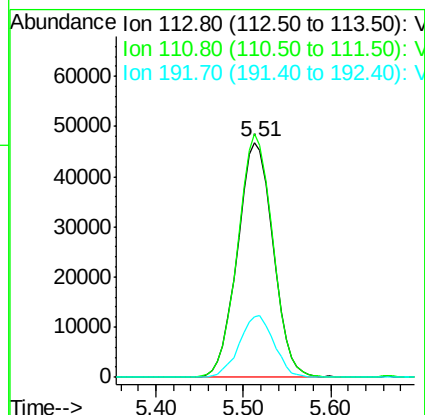
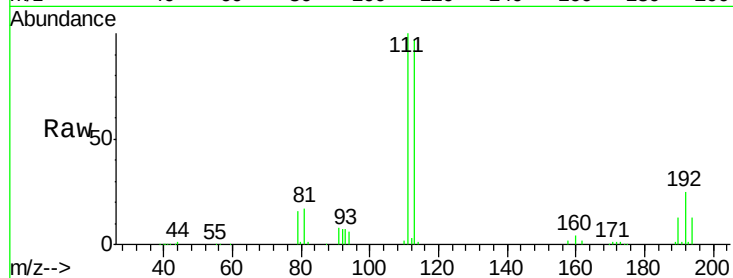




#35
 Dibromofluoromethane
 Concen: 46.75 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000825.D
 Acq: 13 Apr 2018 01:54

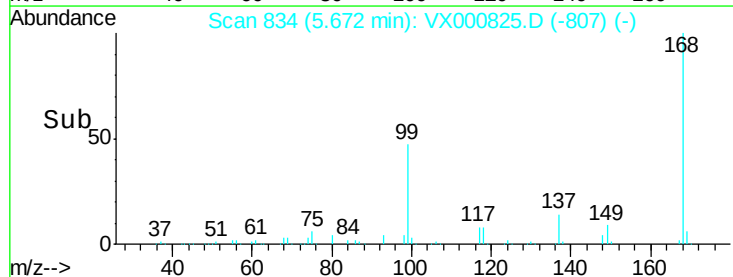
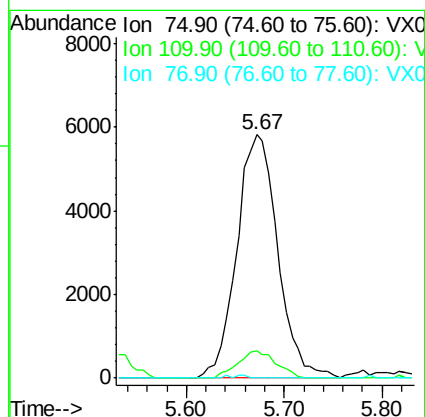
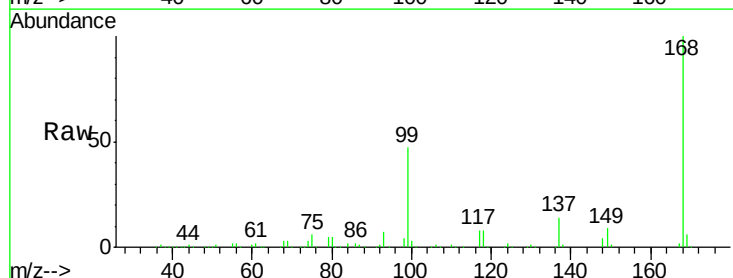
Instrument :
 MSVOA_X
 ClientSampleId :
 PL-01-041118-B

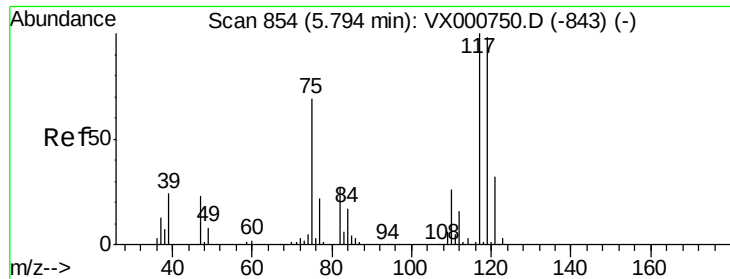
Tgt Ion:113 Resp: 132987
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.5 122.3
 192 25.7 20.4 30.6



#36
 1,1-Dichloropropene
 Concen: 4.15 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000825.D
 Acq: 13 Apr 2018 01:54

Tgt Ion: 75 Resp: 16886
 Ion Ratio Lower Upper
 75 100
 110 10.5 19.2 57.6#
 77 0.4 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.15 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000825.D

Acq: 13 Apr 2018 01:54

Instrument :

MSVOA_X

ClientSampled :

PL-01-041118-B

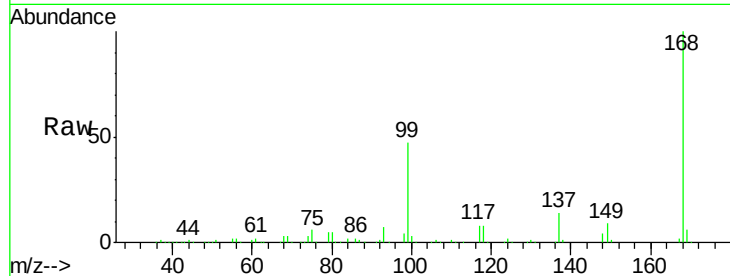
Tgt Ion: 117 Resp: 23458

Ion Ratio Lower Upper

117 100

119 4.3 78.4 117.6#

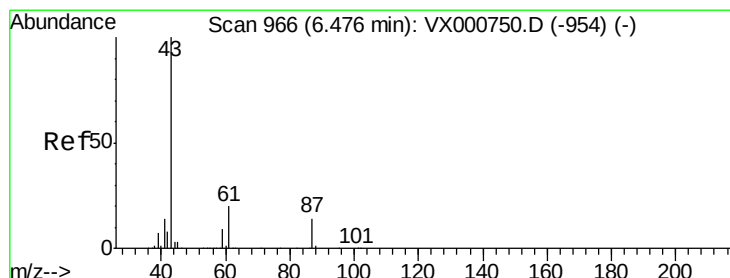
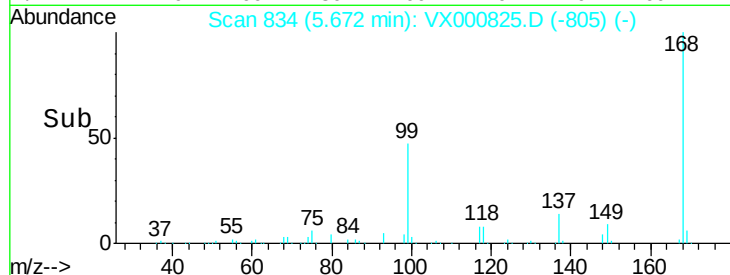
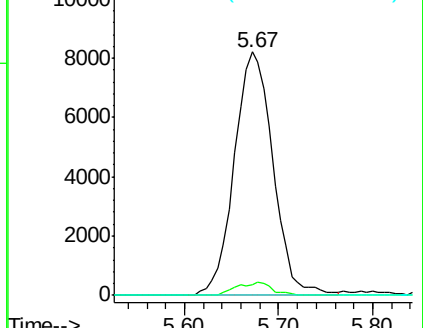
121 0.0 25.4 38.0#



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



#43

Isopropyl Acetate

Concen: 0.37 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000825.D

Acq: 13 Apr 2018 01:54

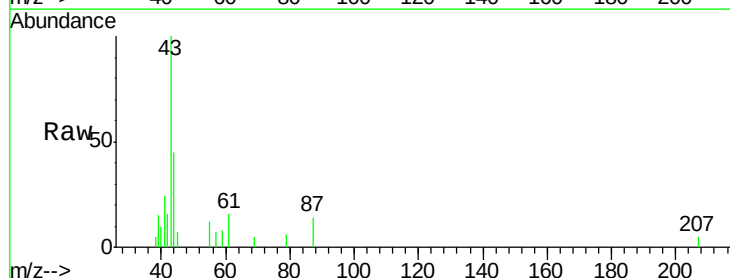
Tgt Ion: 43 Resp: 2550

Ion Ratio Lower Upper

43 100

61 13.2 15.6 23.4#

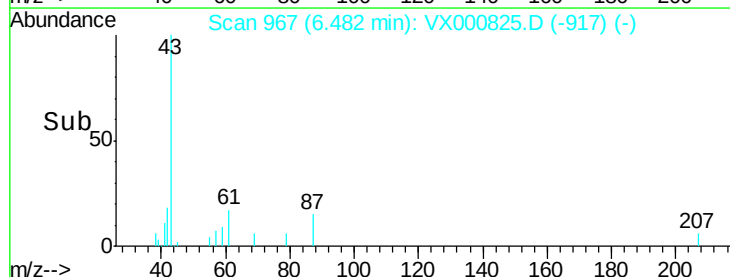
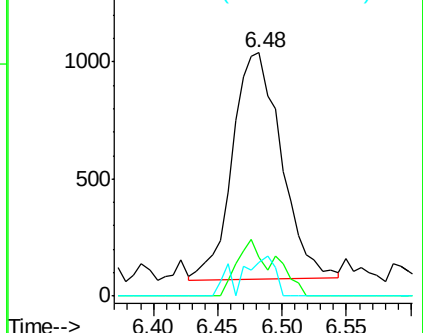
87 9.8 10.7 16.1#

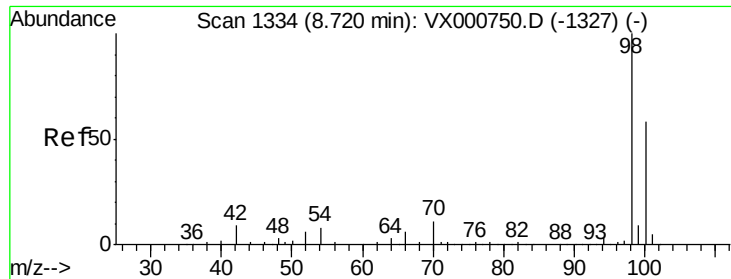


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

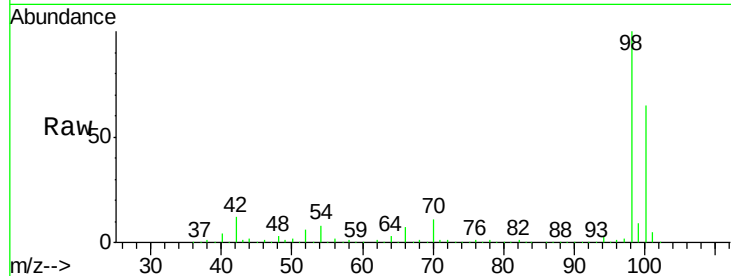




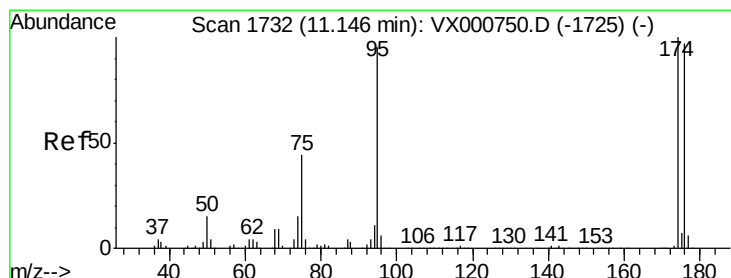
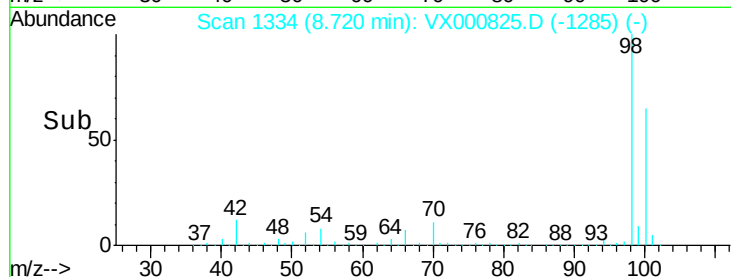
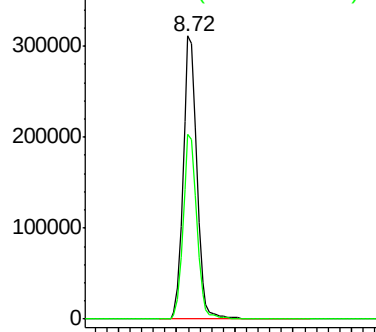
#50
Toluene-d8
Concen: 47.99 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX000825.D
Acq: 13 Apr 2018 01:54

Instrument :
MSVOA_X
ClientSampleId :
PL-01-041118-B

Tgt Ion: 98 Resp: 508225
Ion Ratio Lower Upper
98 100
100 65.1 52.6 79.0

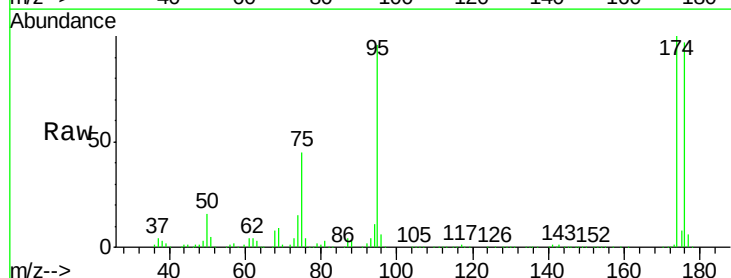


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

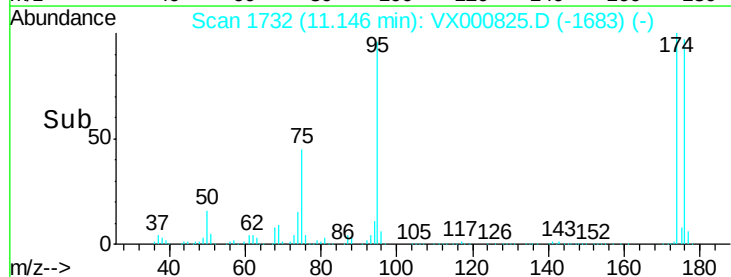
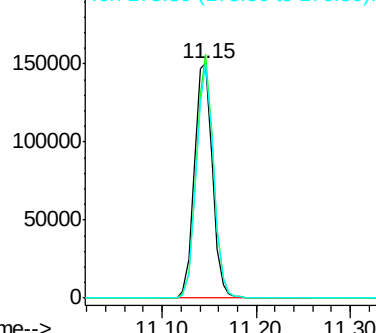


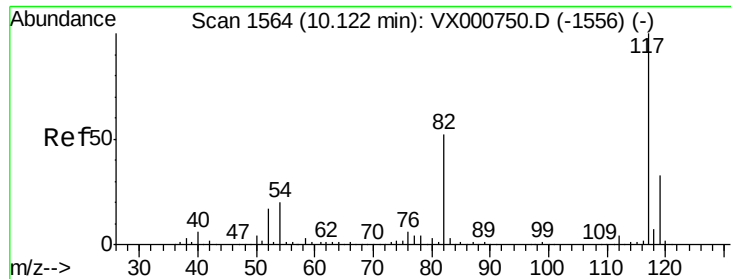
#62
4-Bromofluorobenzene
Concen: 45.44 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000825.D
Acq: 13 Apr 2018 01:54

Tgt Ion: 95 Resp: 199086
Ion Ratio Lower Upper
95 100
174 98.4 0.0 198.4
176 95.7 0.0 194.4



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

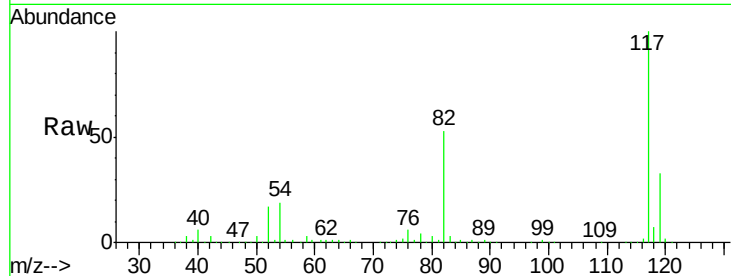




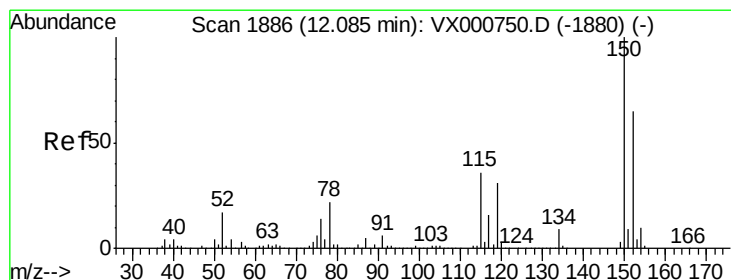
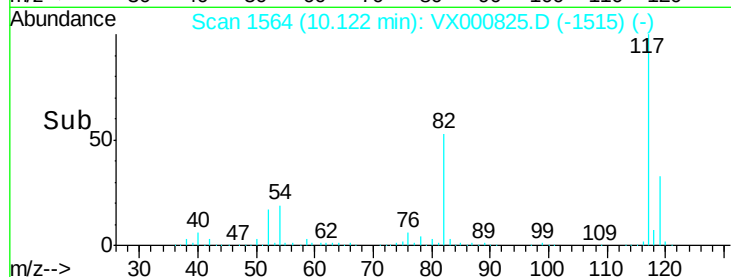
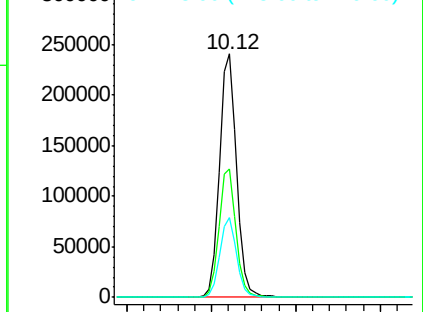
#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VX000825.D
 Acq: 13 Apr 2018 01:54

Instrument :
 MSVOA_X
 ClientSampleId :
 PL-01-041118-B

Tgt Ion:117 Resp: 339090
 Ion Ratio Lower Upper
 117 100
 82 52.6 41.9 62.9
 119 32.8 26.0 39.0

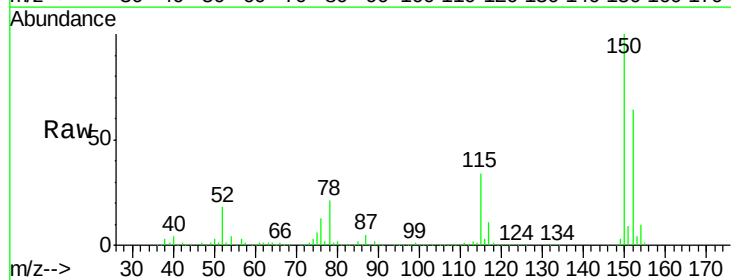


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): VX0
 Ion 118.90 (118.60 to 119.60): V

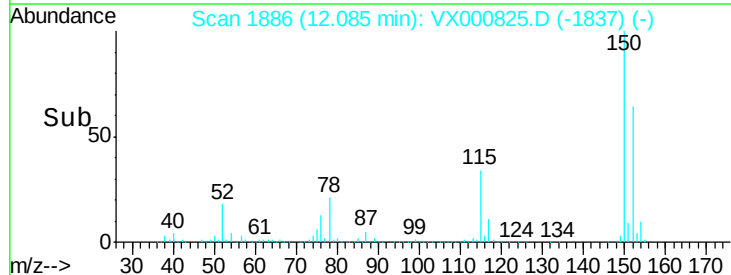
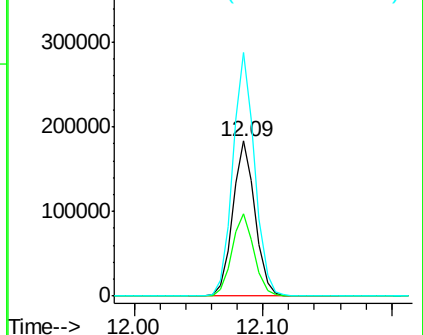


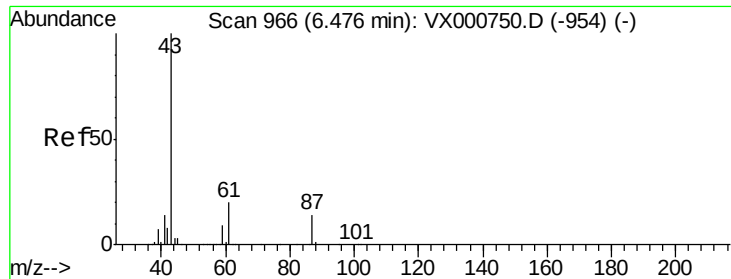
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.09 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX000825.D
 Acq: 13 Apr 2018 01:54

Tgt Ion:152 Resp: 220305
 Ion Ratio Lower Upper
 152 100
 115 53.3 37.9 113.7
 150 155.0 0.0 348.0



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





#74

N-ethyl acetate

Concen: 0.41 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000825.D

Acq: 13 Apr 2018 01:54

Instrument :

MSVOA_X

ClientSampleId :

PL-01-041118-B

Tgt Ion: 43 Resp: 2550

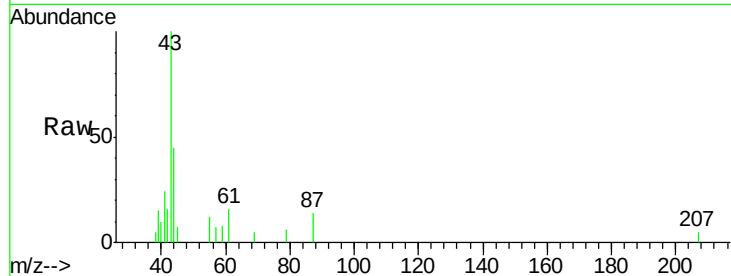
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 3.5 0.0 0.0#

61 0.0 15.6 23.4#

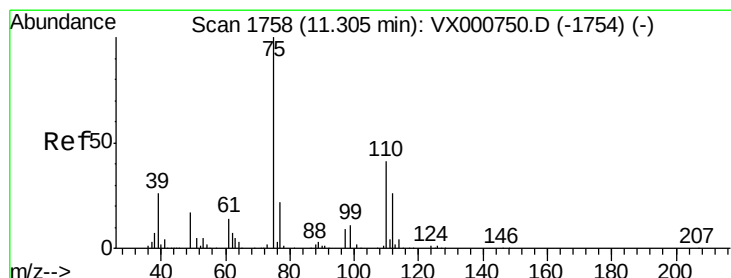
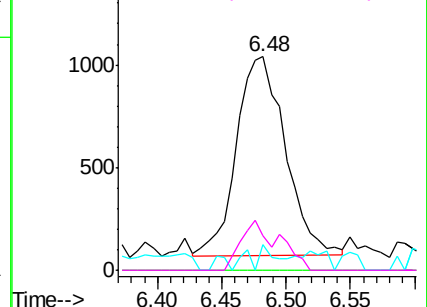
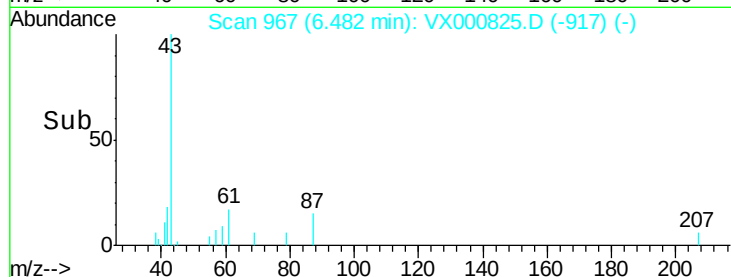


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 25.55 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000825.D

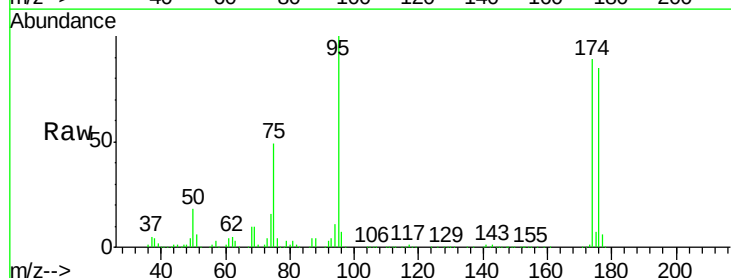
Acq: 13 Apr 2018 01:54

Tgt Ion: 75 Resp: 97069

Ion Ratio Lower Upper

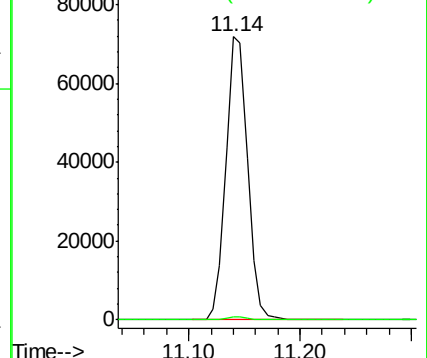
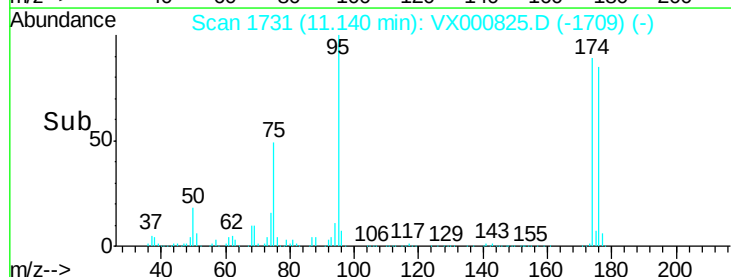
75 100

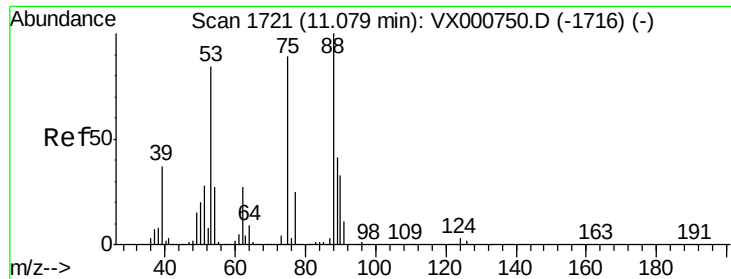
77 1.1 20.5 61.5#



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: 70.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000825.D

Acq: 13 Apr 2018 01:54

Instrument :

MSVOA_X

ClientSampleId :

PL-01-041118-B

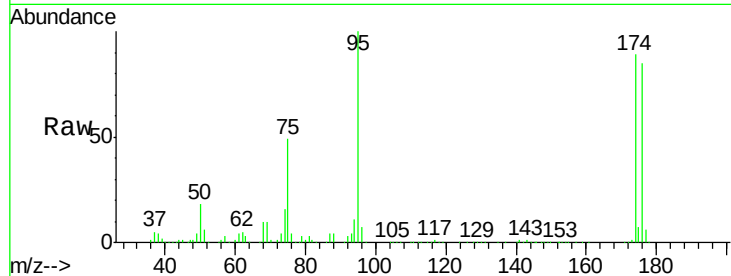
Tgt Ion: 75 Resp: 97069

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

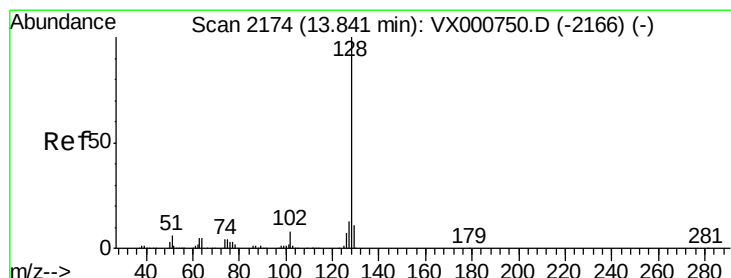
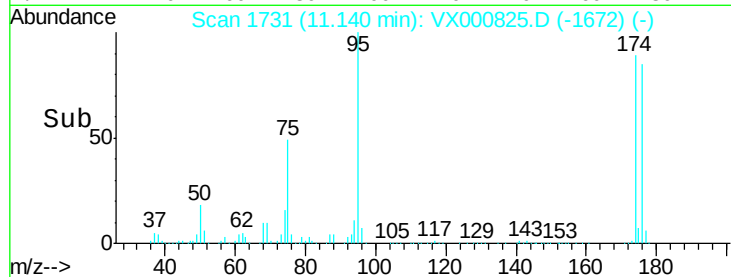
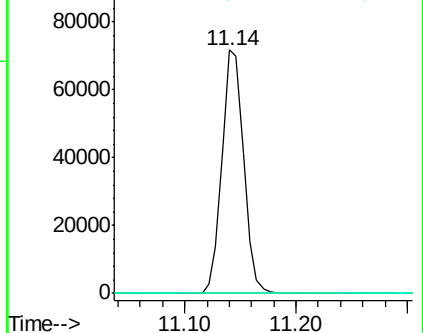
89 0.0 40.9 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VX000825.D (-1716) (-)

Ion 53.00 (52.70 to 53.70): VX000825.D (-1716) (-)

Ion 88.90 (88.60 to 89.60): VX000825.D (-1716) (-)



#95

Naphthalene

Concen: 6.02 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000825.D

Acq: 13 Apr 2018 01:54

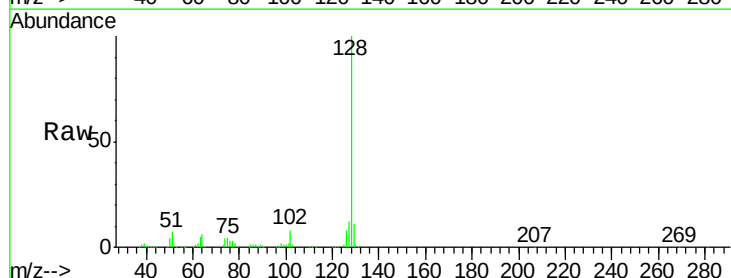
Tgt Ion: 128 Resp: 96473

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): VX000825.D (-2166) (-)

Ion 127.00 (126.70 to 127.70): VX000825.D (-2166) (-)

Ion 129.00 (128.70 to 129.70): VX000825.D (-2166) (-)

