

Data File : VX001859.D
Acq On : 19 May 2018 06:54
Operator : JC/MD
Sample : PB109413ZHE#10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#10

Quant Time: May 21 03:22:57 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
Quant Title : SW846 8260
QLast Update : Tue May 15 01:36:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	276983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	369722	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	284196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	148476	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	161527	43.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.02%	
35) Dibromofluoromethane	5.51	113	143777	46.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.16%	
50) Toluene-d8	8.72	98	517287	46.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.58%	
62) 4-Bromofluorobenzene	11.14	95	141394	35.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.28%	

Target Compounds			Qvalue			
5) Bromomethane	1.65	94	1113	Below Cal	#	51
6) Chloroethane	1.56	64	15939	7.80	ug/l #	52
8) Diethyl Ether	2.19	74	824	0.42	ug/l	64
11) Tert butyl alcohol	3.08	59	305	0.46	ug/l #	72
16) Acetone	2.45	43	8650	5.93	ug/l	96
18) Methyl Acetate	2.78	43	29209	6.85	ug/l	100
20) Methylene Chloride	2.86	84	6532	2.09	ug/l	97
25) 2-Butanone	4.72	43	3252	1.46	ug/l #	80
29) Tetrahydrofuran	5.18	42	807	0.55	ug/l #	63
31) Cyclohexane	5.67	56	4085	0.88	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15440	3.63	ug/l #	48
38) Carbon Tetrachloride	5.67	117	22706	5.09	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	64816	22.96	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.14	75	64816	67.20	ug/l #	10

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

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Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#10

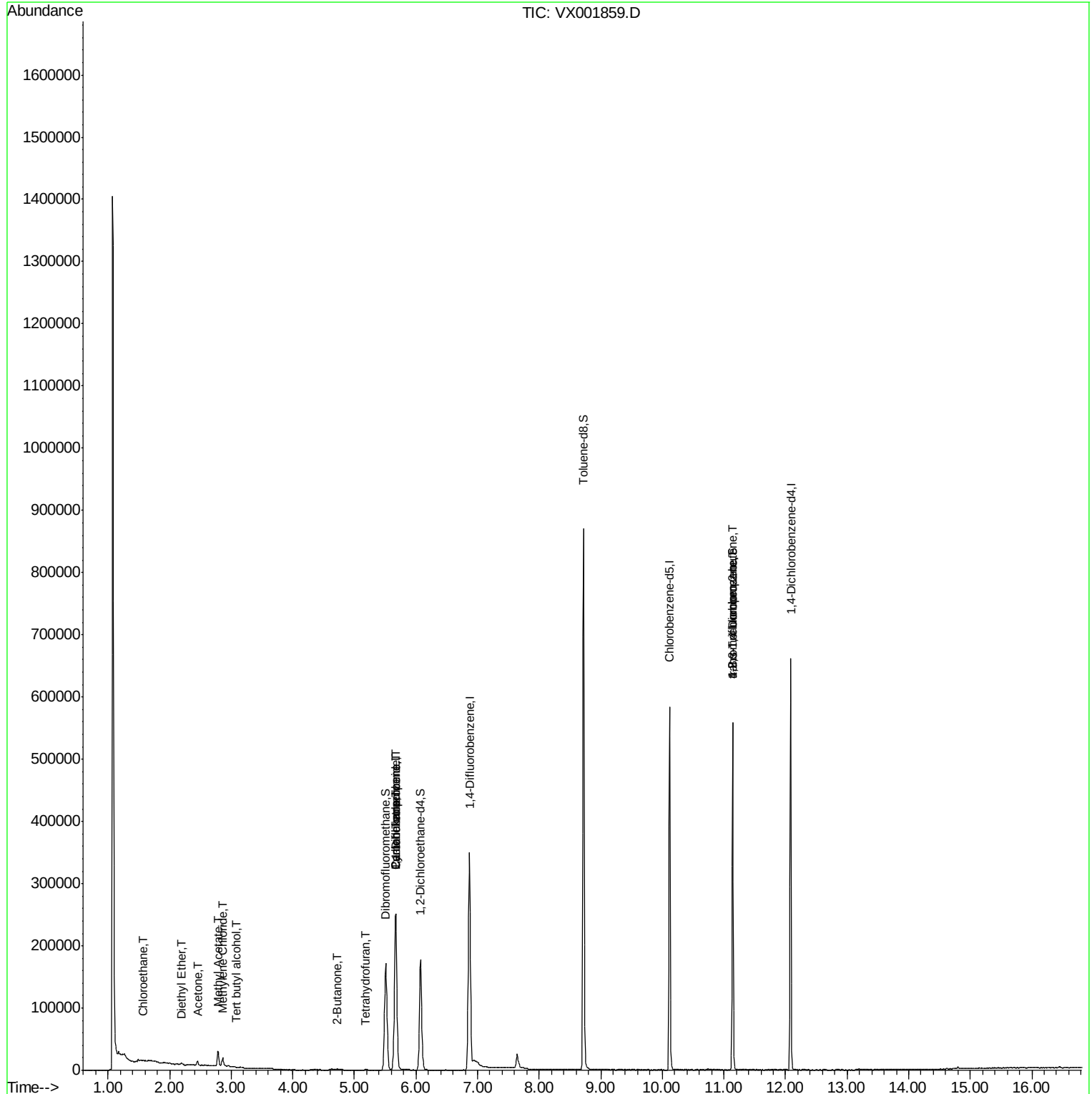
Quant Time: May 21 03:22:57 2018

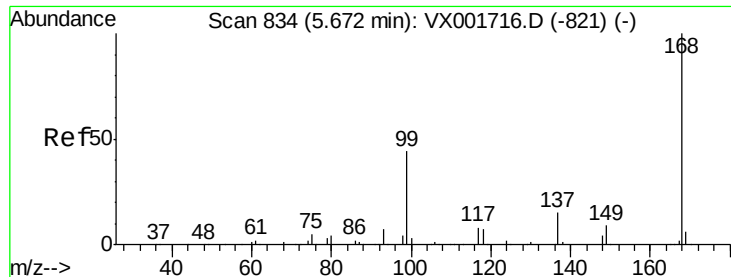
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M

Quant Title : SW846 8260

QLast Update : Tue May 15 01:36:22 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: VX001859.D

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Instrument :

MSVOA_X

ClientSampleId :

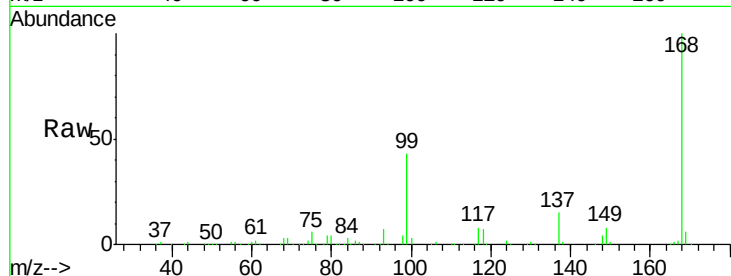
PB109413ZHE#10

Tgt Ion: 168 Resp: 276983

Ion Ratio Lower Upper

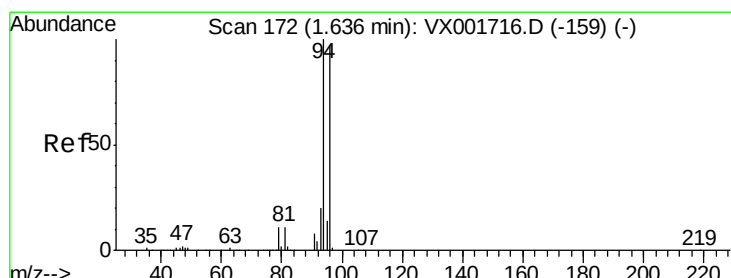
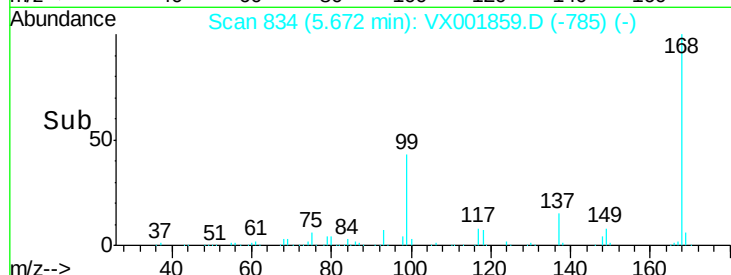
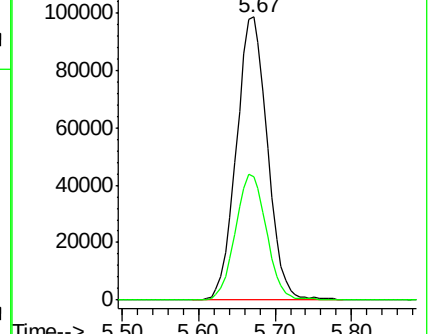
168 100

99 43.4 35.0 52.4



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: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001859.D

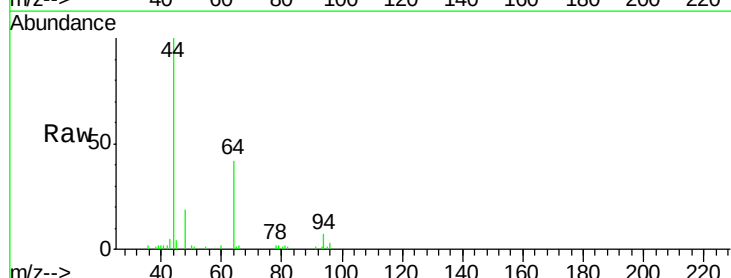
Acq: 19 May 2018 06:54

Tgt Ion: 94 Resp: 1113

Ion Ratio Lower Upper

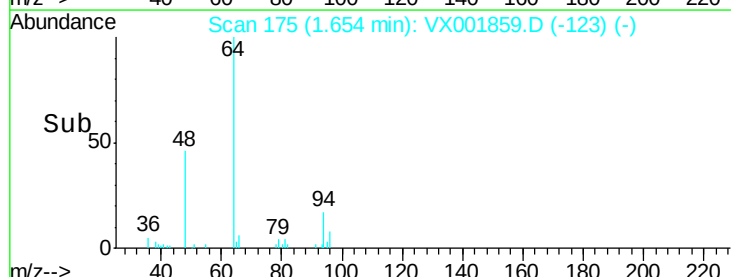
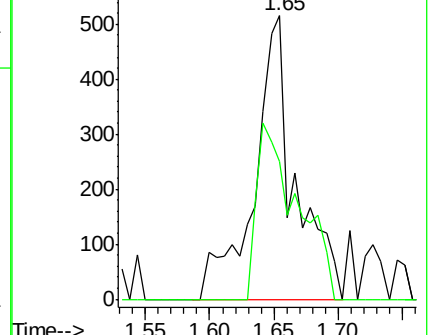
94 100

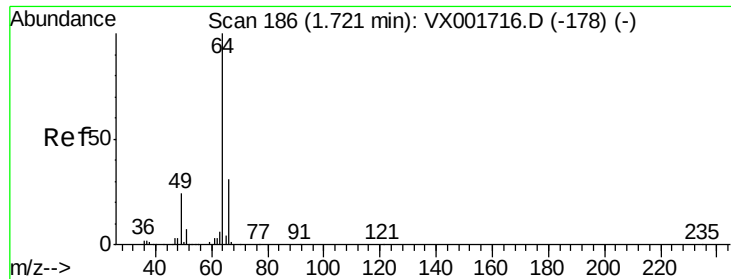
96 48.5 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 7.80 ug/l

RT: 1.56 min Scan# 159

Delta R.T. -0.16 min

Lab File: VX001859.D

Acq: 19 May 2018 06:54

Instrument :

MSVOA_X

ClientSampleId :

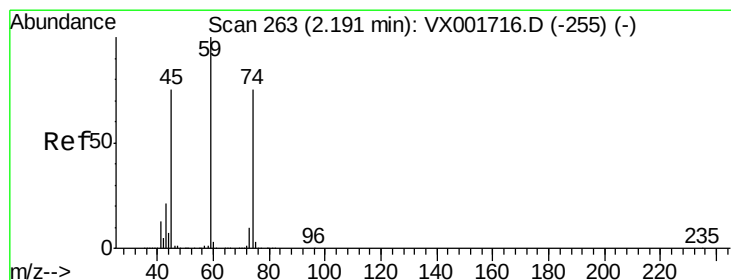
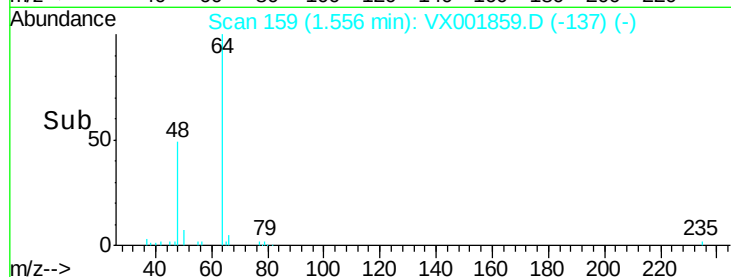
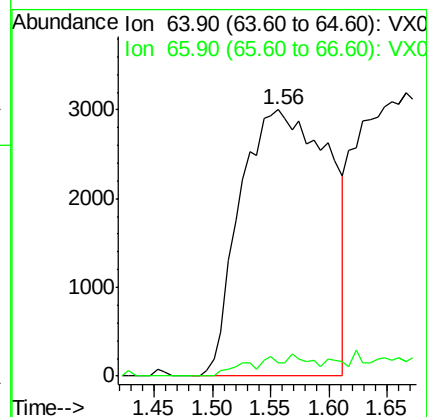
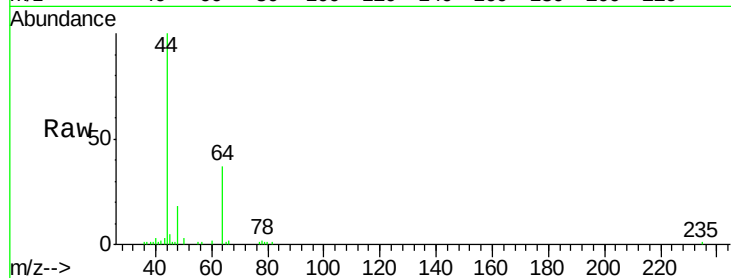
PB109413ZHE#10

Tgt Ion: 64 Resp: 15939

Ion Ratio Lower Upper

64 100

66 4.8 25.2 37.8#



#8

Diethyl Ether

Concen: 0.42 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX001859.D

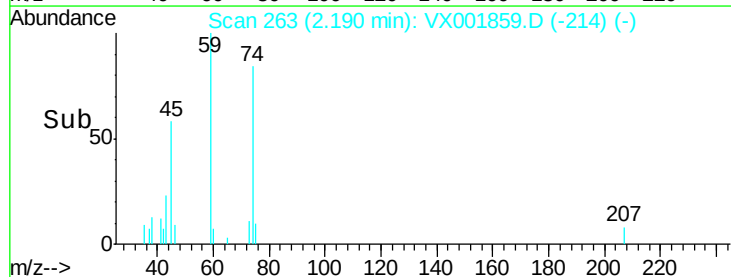
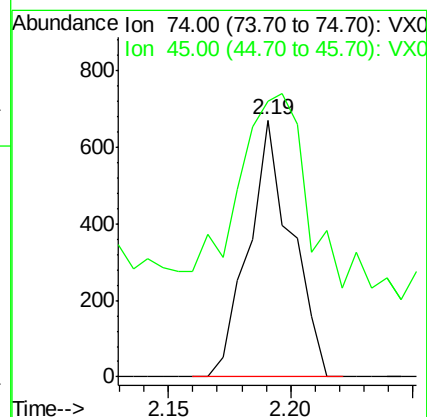
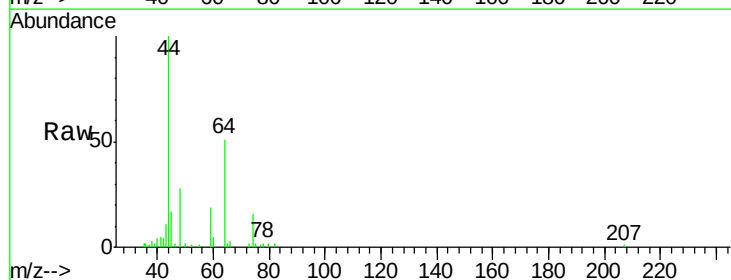
Acq: 19 May 2018 06:54

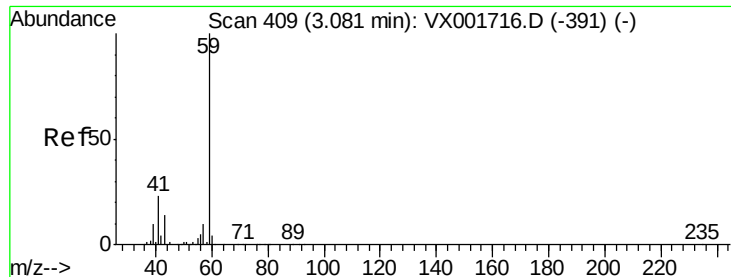
Tgt Ion: 74 Resp: 824

Ion Ratio Lower Upper

74 100

45 135.9 50.0 149.8

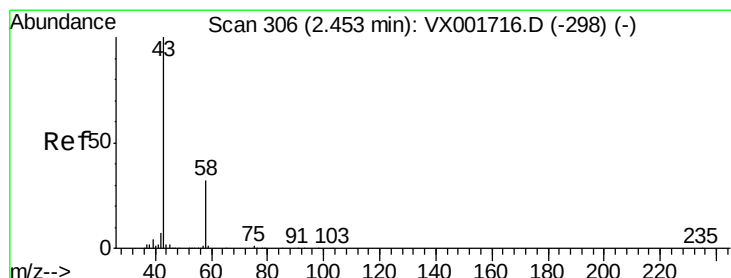
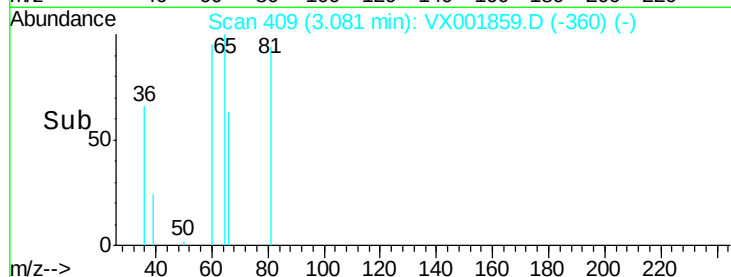
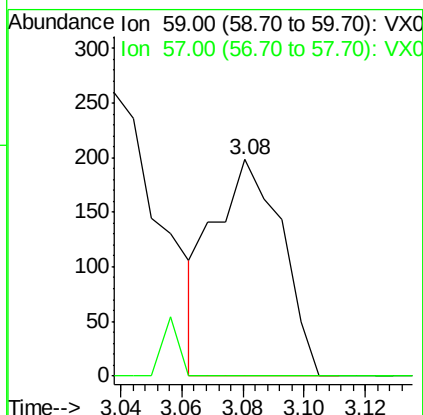
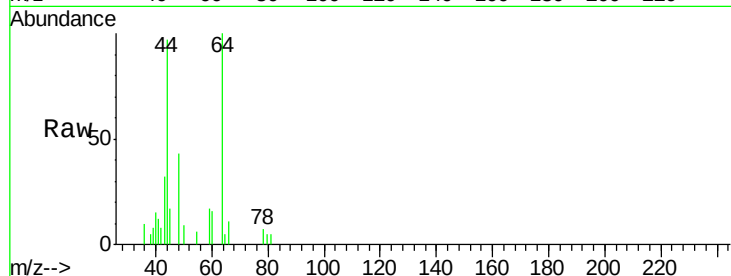




#11
Tert butyl alcohol
Concen: 0.46 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX001859.D
Acq: 19 May 2018 06:54

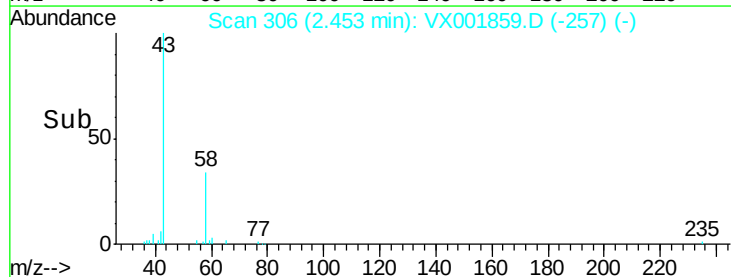
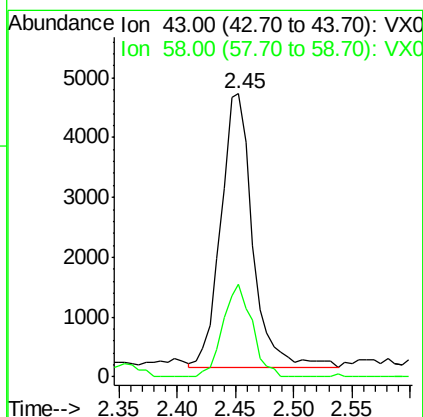
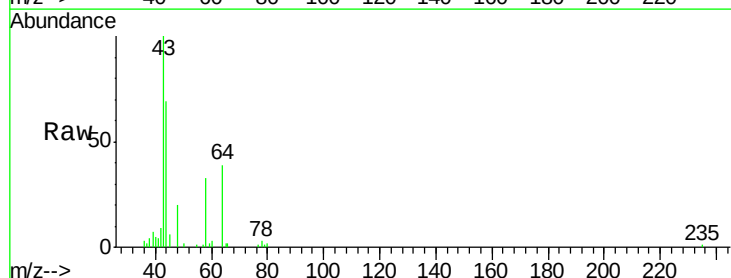
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#10

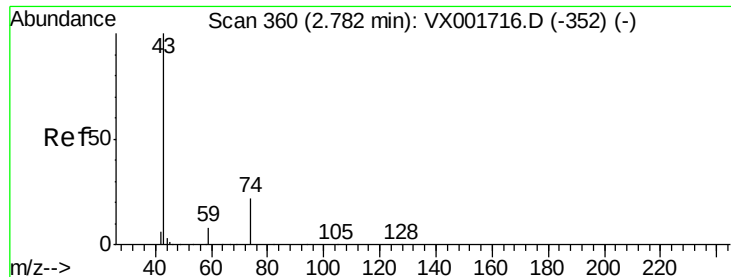
Tgt Ion: 59 Resp: 305
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 5.93 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX001859.D
Acq: 19 May 2018 06:54

Tgt Ion: 43 Resp: 8650
Ion Ratio Lower Upper
43 100
58 33.7 25.3 37.9

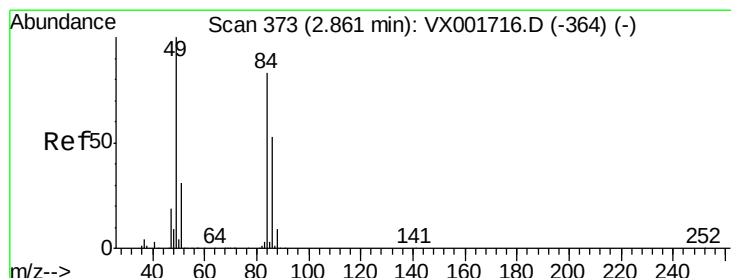
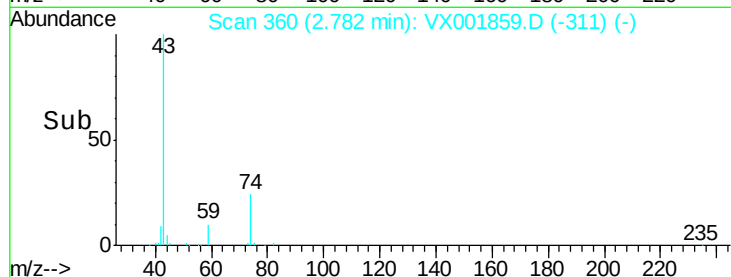
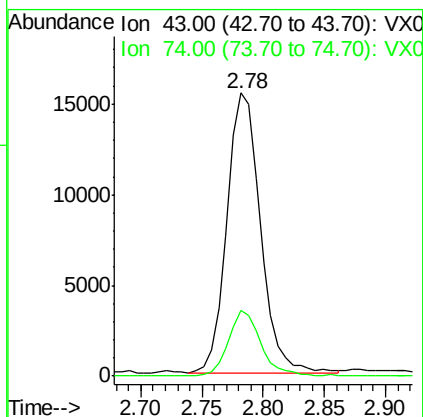
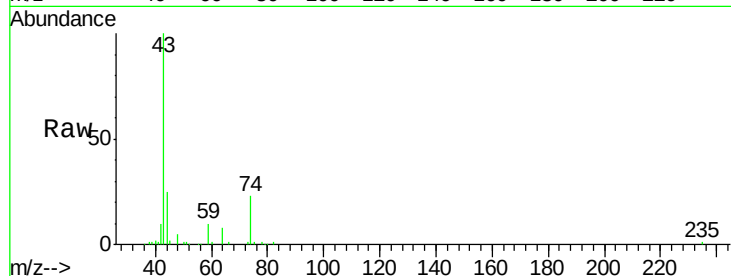




#18
Methyl Acetate
Concen: 6.85 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001859.D
Acq: 19 May 2018 06:54

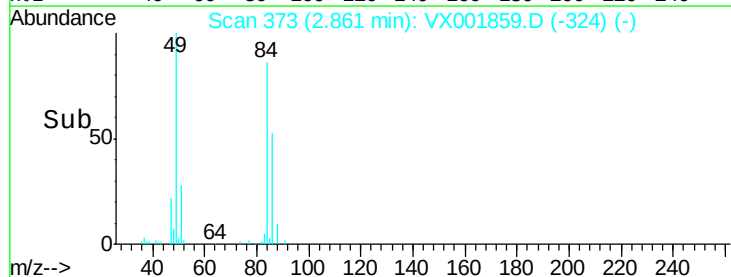
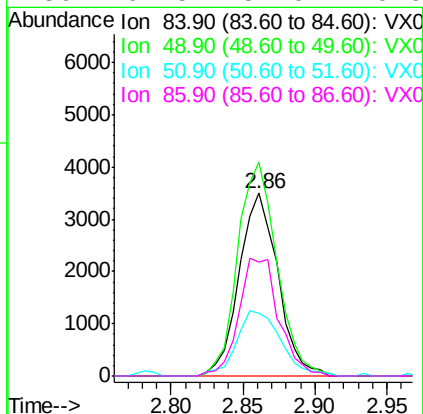
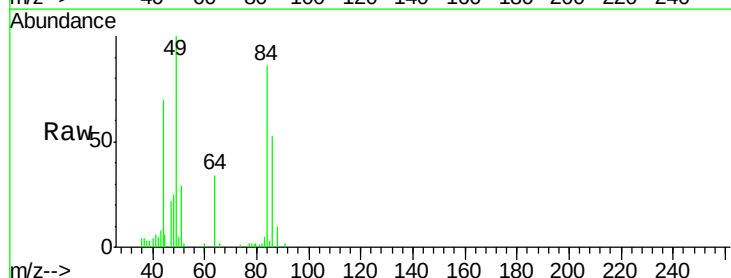
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#10

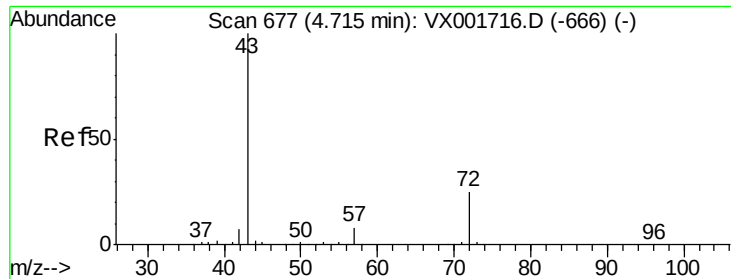
Tgt Ion: 43 Resp: 29209
Ion Ratio Lower Upper
43 100
74 22.6 18.2 27.2



#20
Methylene Chloride
Concen: 2.09 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001859.D
Acq: 19 May 2018 06:54

Tgt Ion: 84 Resp: 6532
Ion Ratio Lower Upper
84 100
49 116.8 96.3 144.5
51 34.3 29.8 44.6
86 62.5 51.0 76.6





#25

2-Butanone

Concen: 1.46 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001859.D

Acq: 19 May 2018 06:54

Instrument :

MSVOA_X

ClientSampleId :

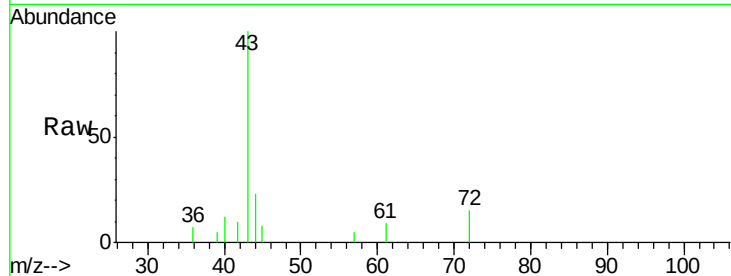
PB109413ZHE#10

Tgt Ion: 43 Resp: 3252

Ion Ratio Lower Upper

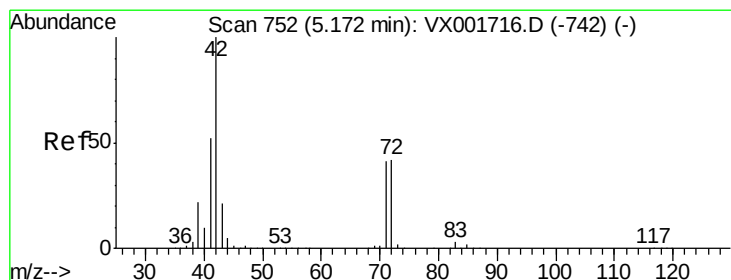
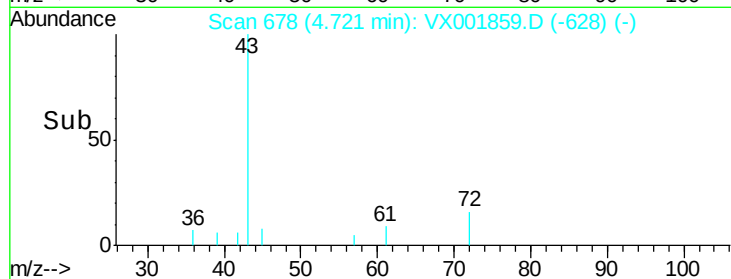
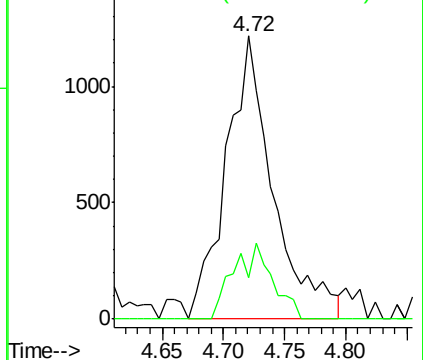
43 100

72 14.8 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.55 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX001859.D

Acq: 19 May 2018 06:54

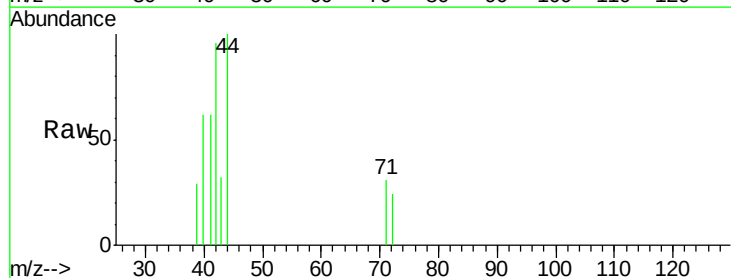
Tgt Ion: 42 Resp: 807

Ion Ratio Lower Upper

42 100

72 11.2 35.4 53.2#

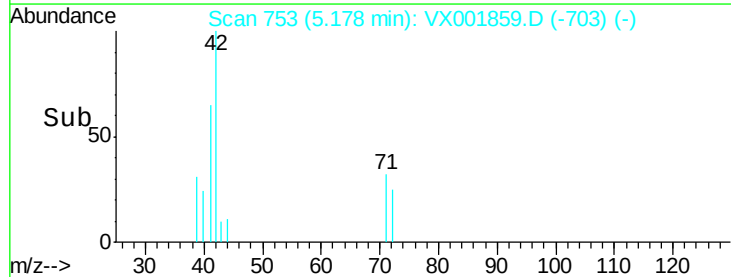
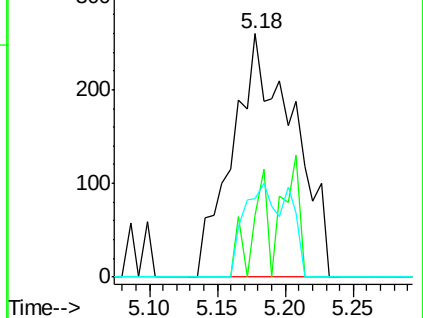
71 28.3 33.2 49.8#

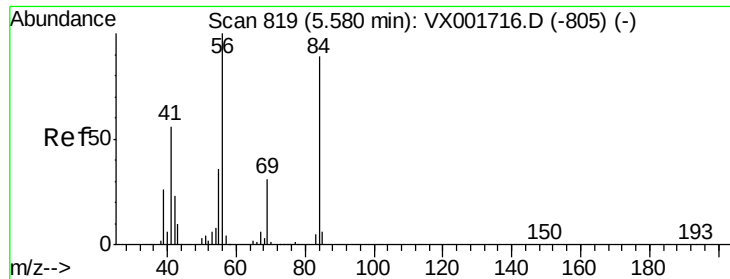


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

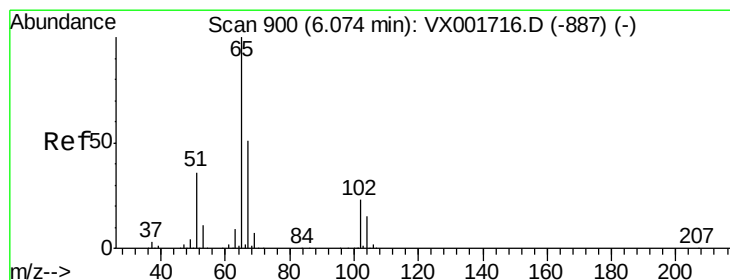
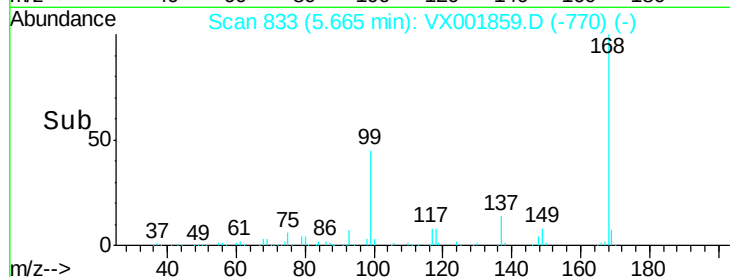
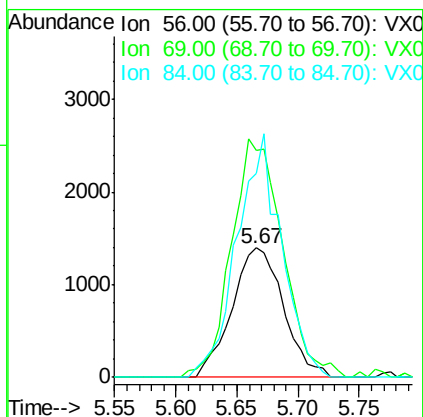
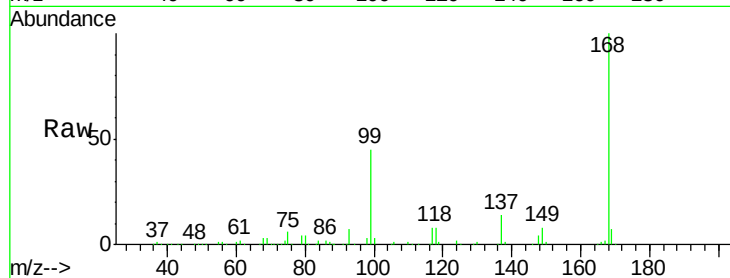




#31
Cyclohexane
Concen: 0.88 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX001859.D
Acq: 19 May 2018 06:54

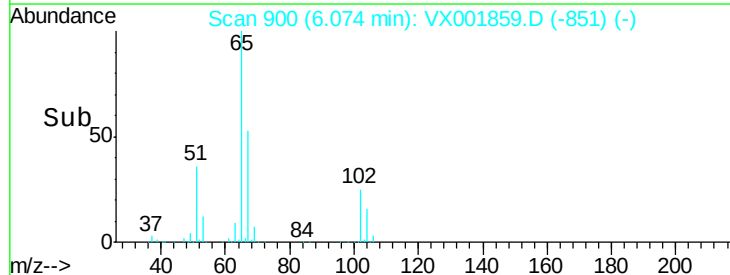
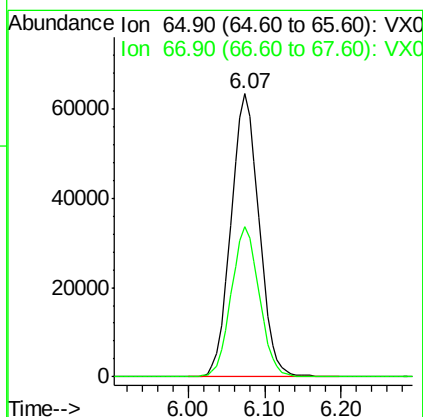
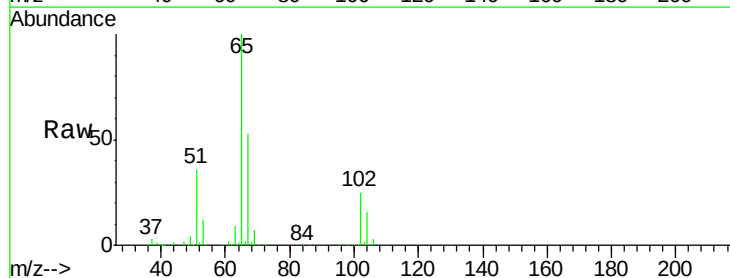
Instrument :
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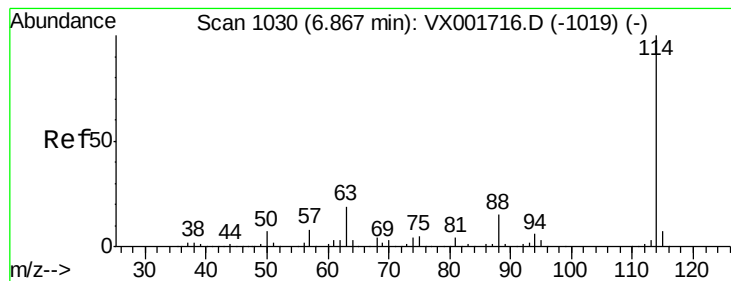
Tgt Ion: 56 Resp: 4085
Ion Ratio Lower Upper
56 100
69 170.3 25.0 37.6#
84 158.2 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 43.51 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX001859.D
Acq: 19 May 2018 06:54

Tgt Ion: 65 Resp: 161527
Ion Ratio Lower Upper
65 100
67 52.8 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001859.D

Acq: 19 May 2018 06:54

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#10

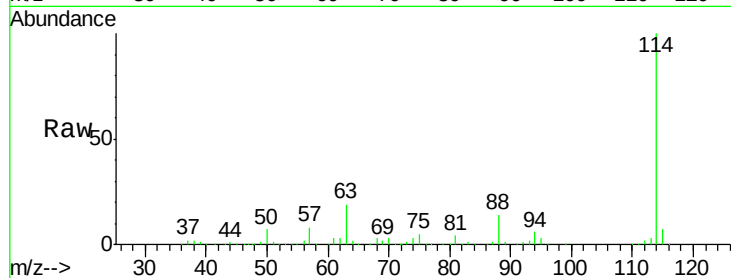
Tgt Ion:114 Resp: 369722

Ion Ratio Lower Upper

114 100

63 18.5 0.0 37.0

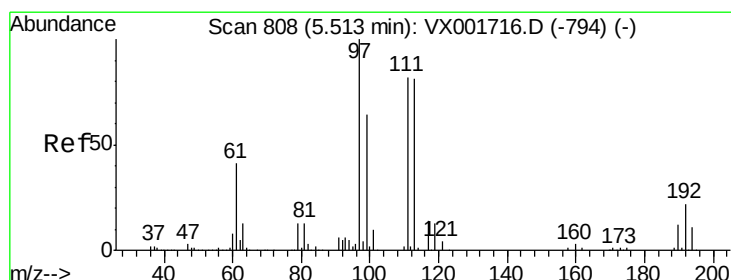
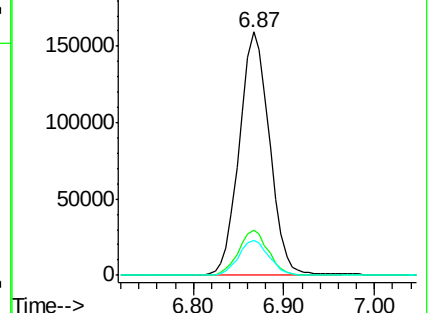
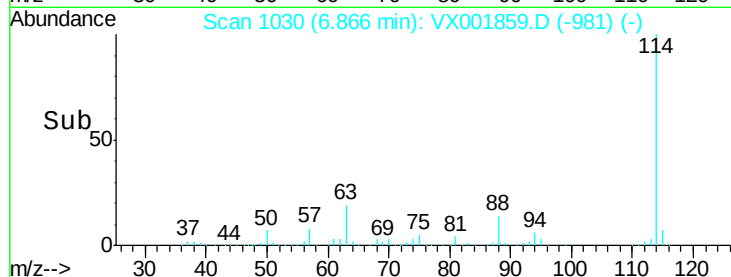
88 14.5 0.0 29.8



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: 46.08 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001859.D

Acq: 19 May 2018 06:54

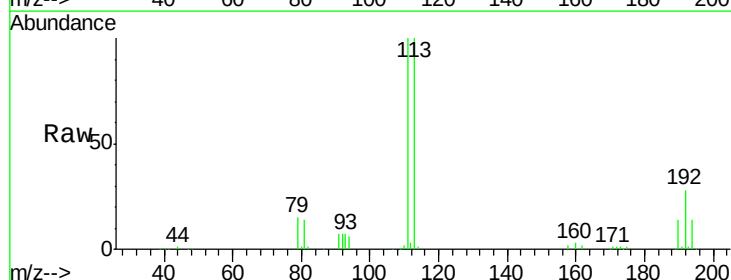
Tgt Ion:113 Resp: 143777

Ion Ratio Lower Upper

113 100

111 100.9 82.0 123.0

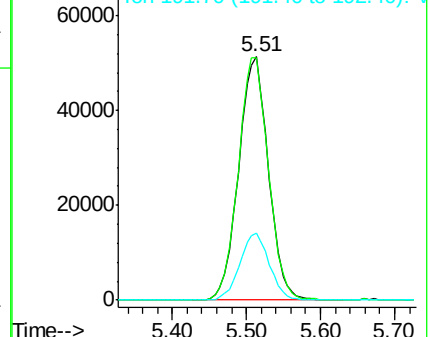
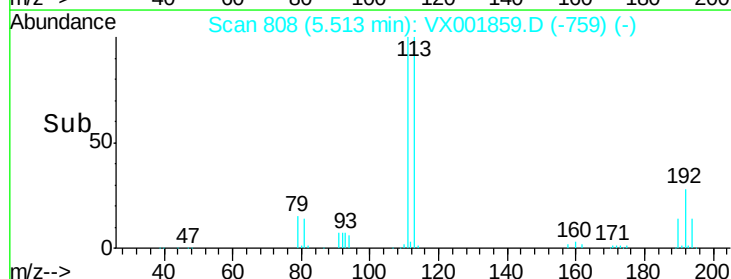
192 27.3 21.6 32.4

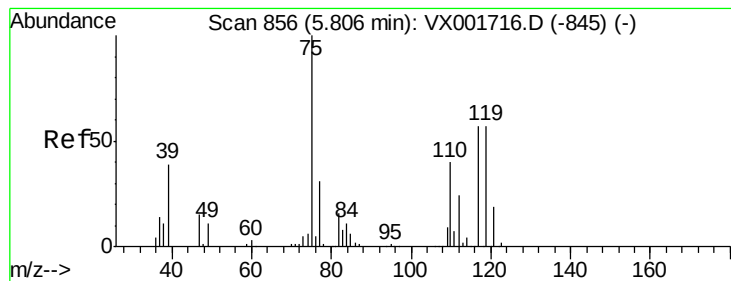


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.63 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001859.D

Acq: 19 May 2018 06:54

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ClientSampleId :

PB109413ZHE#10

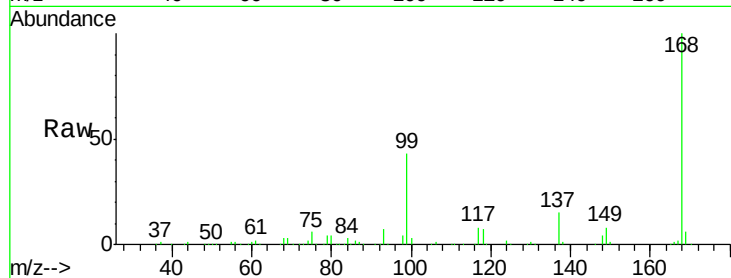
Tgt Ion: 75 Resp: 15440

Ion Ratio Lower Upper

75 100

110 8.8 19.1 57.1#

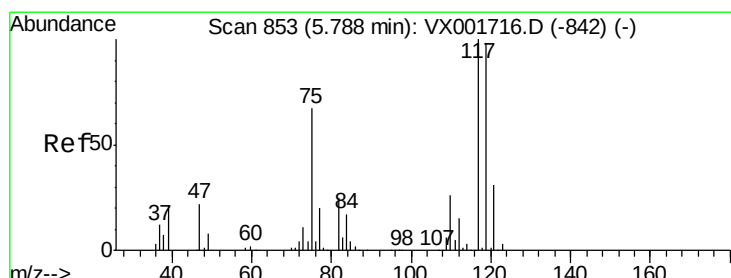
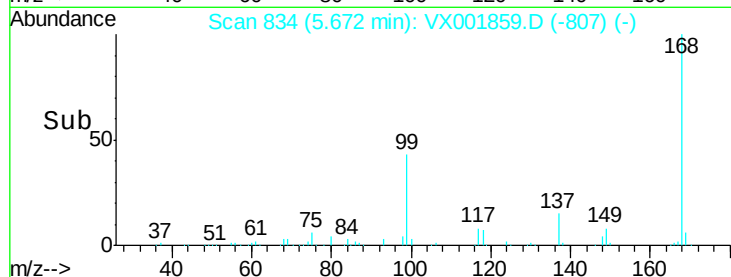
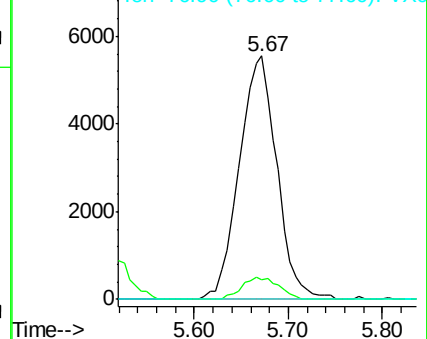
77 0.0 24.6 37.0#



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: 5.09 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001859.D

Acq: 19 May 2018 06:54

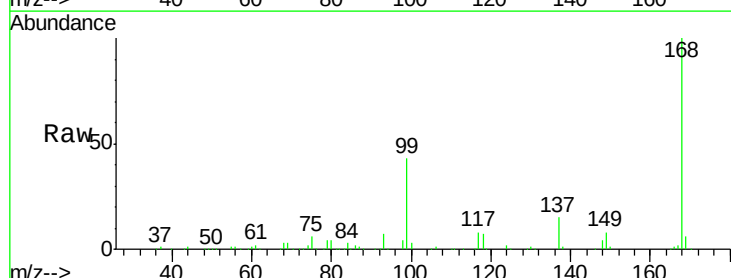
Tgt Ion: 117 Resp: 22706

Ion Ratio Lower Upper

117 100

119 6.2 77.6 116.4#

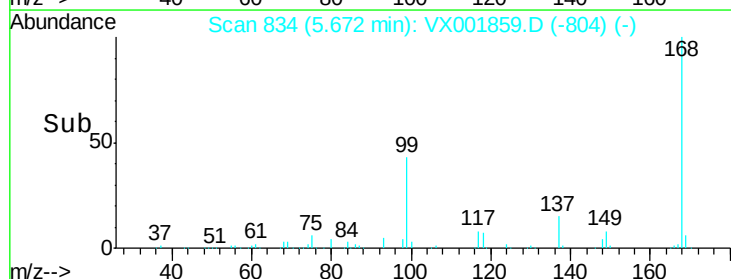
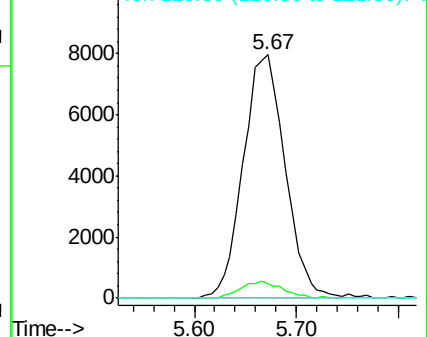
121 0.0 24.6 36.8#

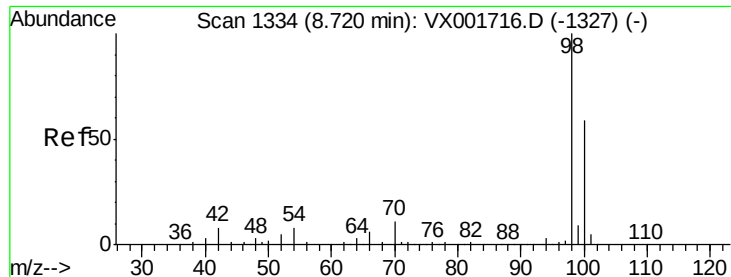


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 46.29 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001859.D

Acq: 19 May 2018 06:54

Instrument :

MSVOA_X

ClientSampleId :

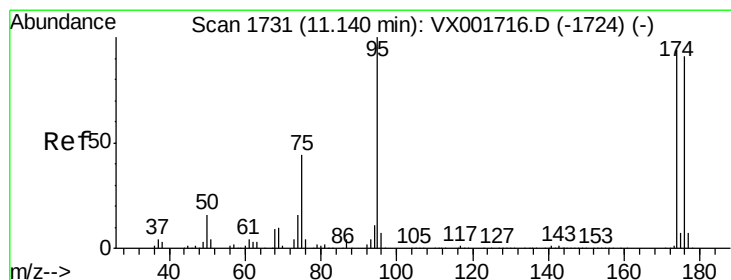
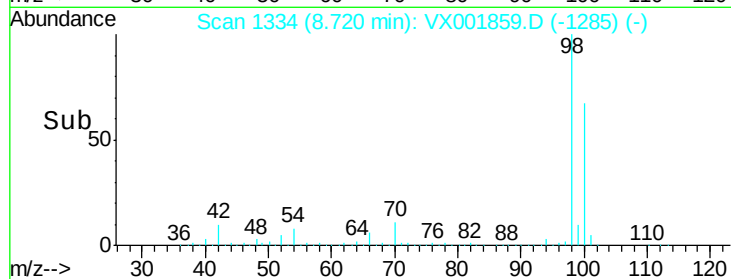
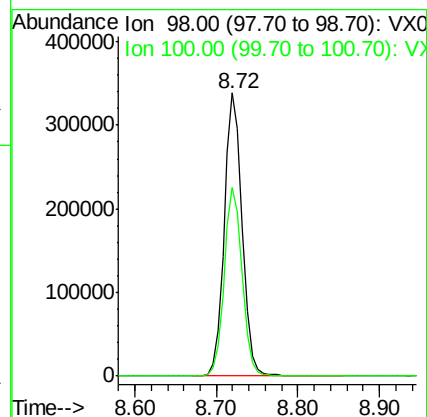
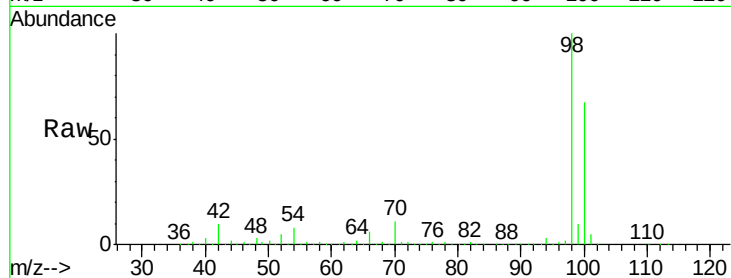
PB109413ZHE#10

Tgt Ion: 98 Resp: 517287

Ion Ratio Lower Upper

98 100

100 66.8 54.0 81.0



#62

4-Bromofluorobenzene

Concen: 35.14 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001859.D

Acq: 19 May 2018 06:54

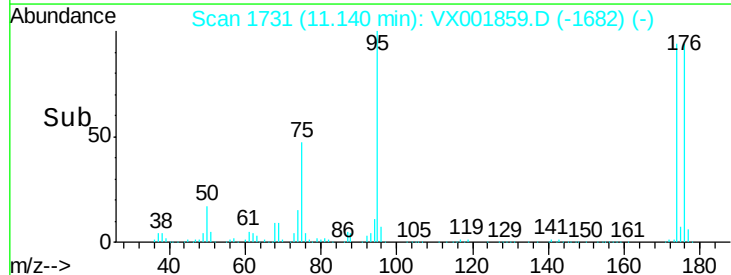
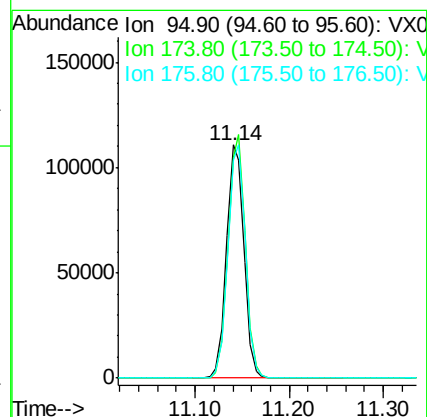
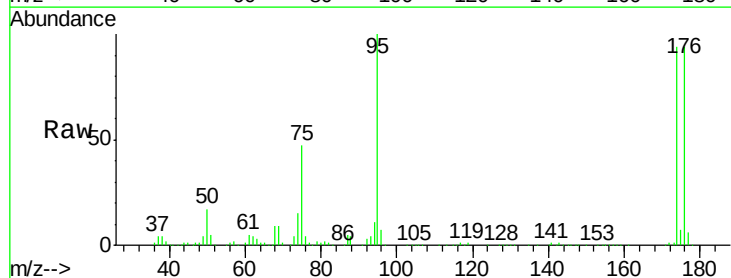
Tgt Ion: 95 Resp: 141394

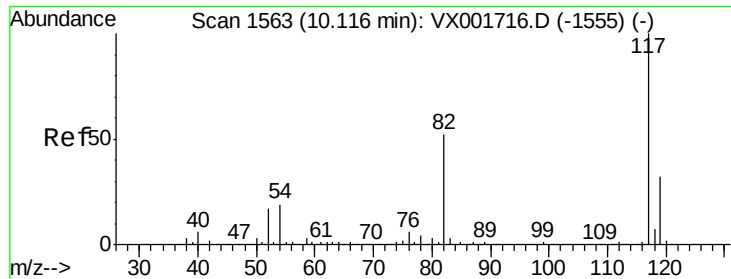
Ion Ratio Lower Upper

95 100

174 103.4 0.0 201.8

176 100.3 0.0 196.8





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX001859.D

Acq: 19 May 2018 06:54

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#10

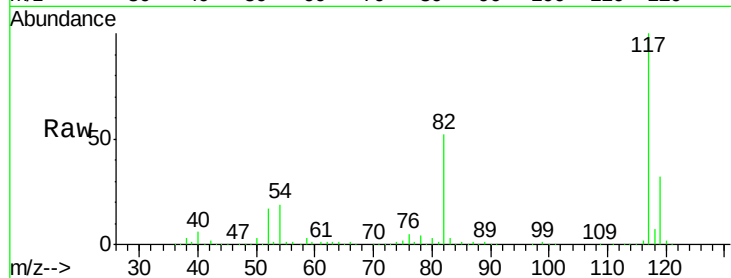
Tgt Ion:117 Resp: 284196

Ion Ratio Lower Upper

117 100

82 52.0 41.4 62.2

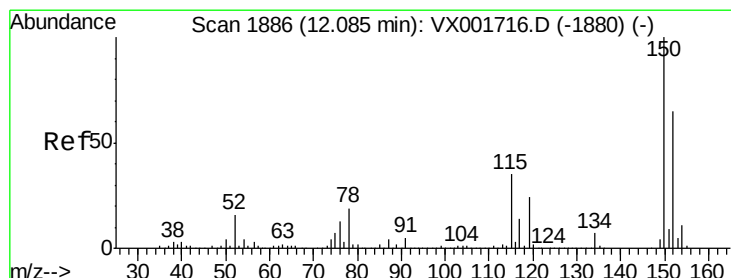
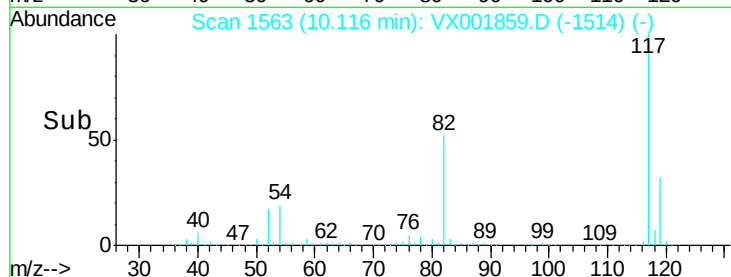
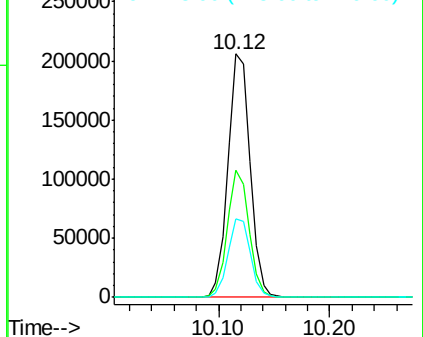
119 32.0 25.6 38.4



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: VX001859.D

Acq: 19 May 2018 06:54

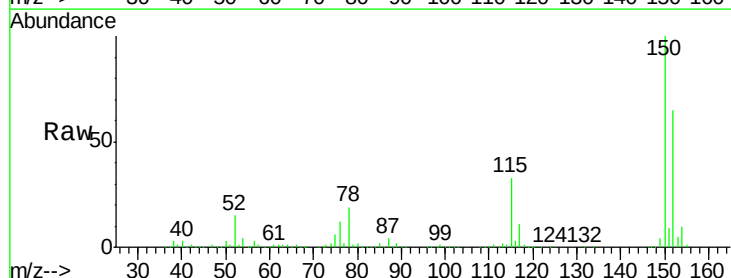
Tgt Ion:152 Resp: 148476

Ion Ratio Lower Upper

152 100

115 51.8 37.4 112.2

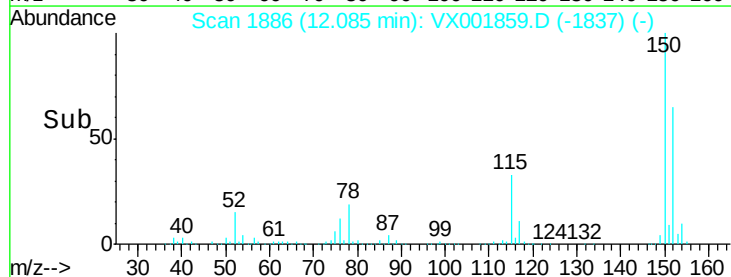
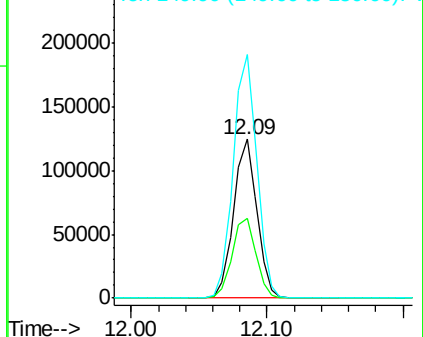
150 155.7 0.0 344.8

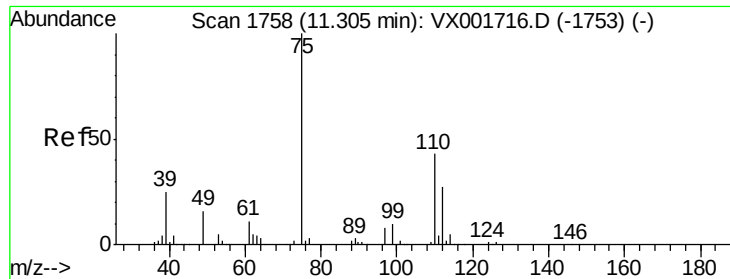


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.96 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001859.D

Acq: 19 May 2018 06:54

Instrument :

MSVOA_X

ClientSampleId :

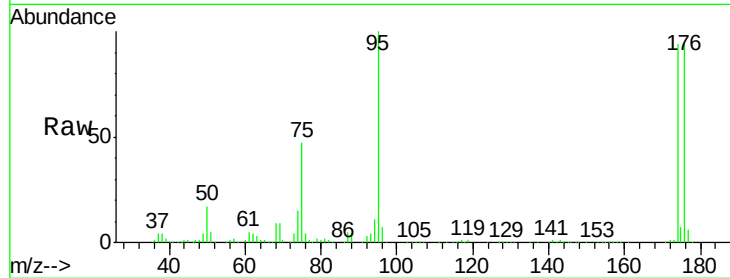
PB109413ZHE#10

Tgt Ion: 75 Resp: 64816

Ion Ratio Lower Upper

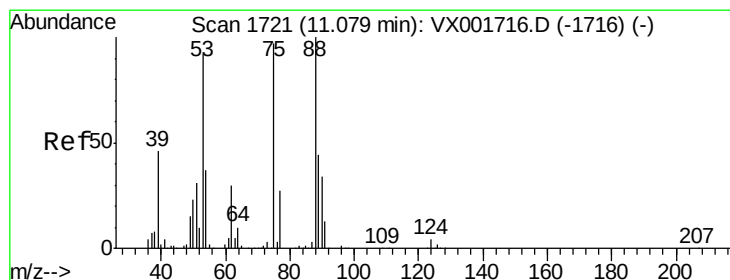
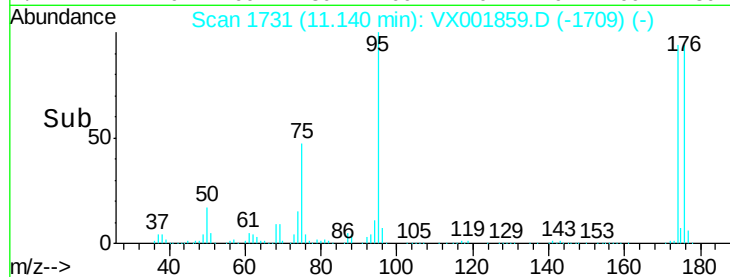
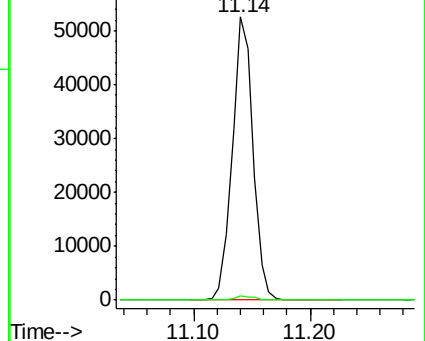
75 100

77 1.4 18.9 56.7#



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: 67.20 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001859.D

Acq: 19 May 2018 06:54

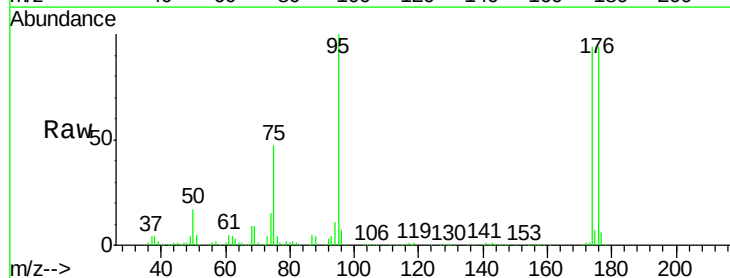
Tgt Ion: 75 Resp: 64816

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.2#

89 0.0 38.8 58.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

