

Data File : VX001865.D
Acq On : 19 May 2018 09:33
Operator : JC/MD
Sample : PB109413ZHE#16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#16

Quant Time: May 21 03:25:33 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	258993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	342377	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	267422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	151428	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	148047	42.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.30%	
35) Dibromofluoromethane	5.51	113	130845	45.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.58%	
50) Toluene-d8	8.72	98	477292	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	
62) 4-Bromofluorobenzene	11.14	95	139090	37.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.66%	

Target Compounds				Qvalue		
5) Bromomethane	1.64	94	718	Below Cal		84
6) Chloroethane	1.75	64	3952	2.07 ug/l #		51
8) Diethyl Ether	2.19	74	672	0.37 ug/l #		1
10) Methyl Iodide	2.51	142	591	0.24 ug/l #		80
11) Tert butyl alcohol	3.12	59	418	0.68 ug/l		98
13) Acrolein	2.31	56	88	0.20 ug/l #		46
16) Acetone	2.46	43	8391	6.15 ug/l		91
18) Methyl Acetate	2.79	43	29479	7.40 ug/l		99
20) Methylene Chloride	2.85	84	5459	1.87 ug/l		91
25) 2-Butanone	4.73	43	2948	1.41 ug/l #		88
29) Tetrahydrofuran	5.18	42	917	0.67 ug/l #		78
31) Cyclohexane	5.67	56	3527	0.81 ug/l #		1
36) 1,1-Dichloropropene	5.67	75	14861	3.77 ug/l #		48
38) Carbon Tetrachloride	5.67	117	20729	5.02 ug/l #		17
76) 1,2,3-Trichloropropane	11.14	75	64340	22.34 ug/l #		40
81) trans-1,4-Dichloro-2-buten	11.14	75	64340	65.49 ug/l #		10

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

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Instrument :

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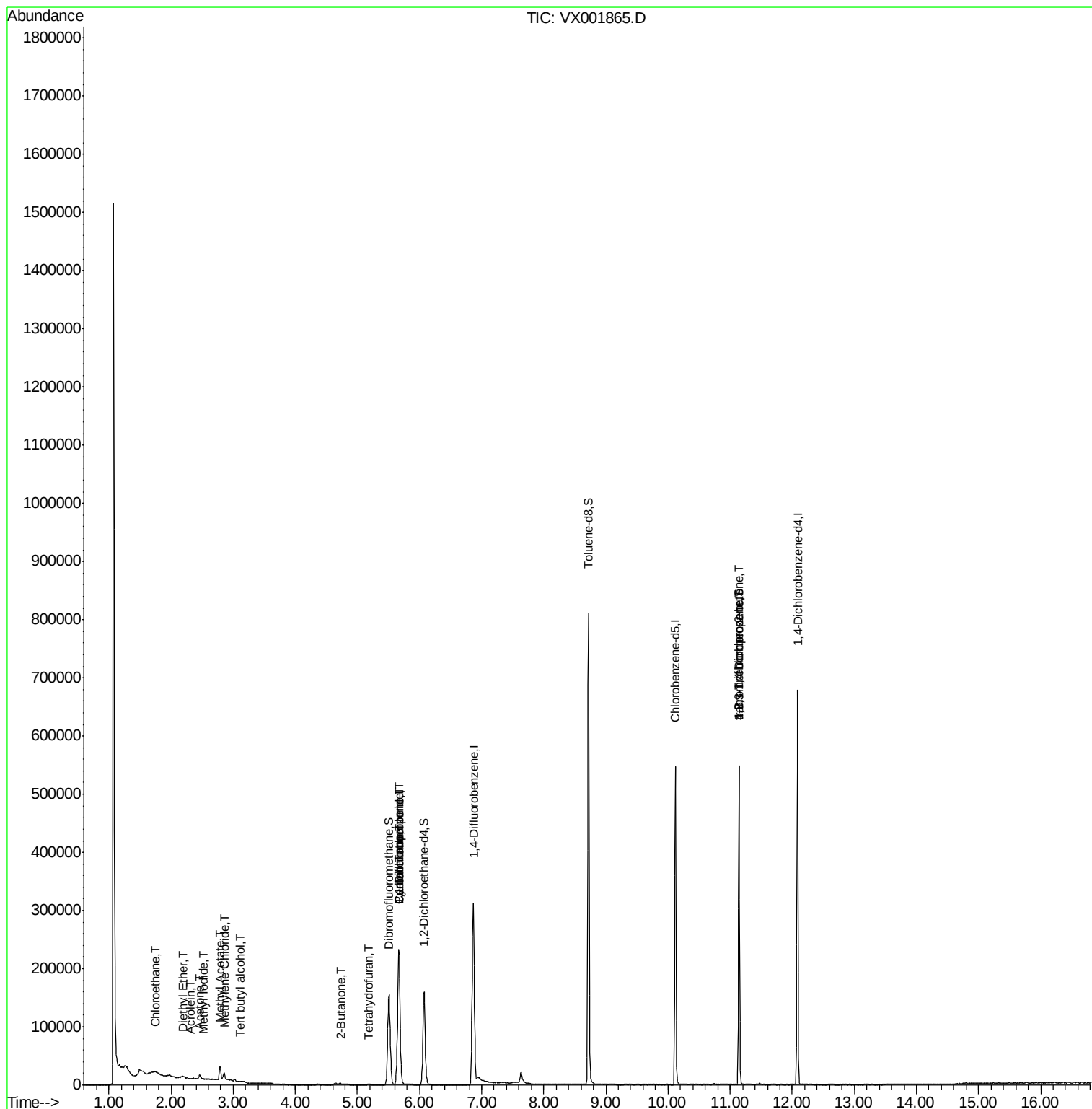
Quant Time: May 21 03:25:33 2018

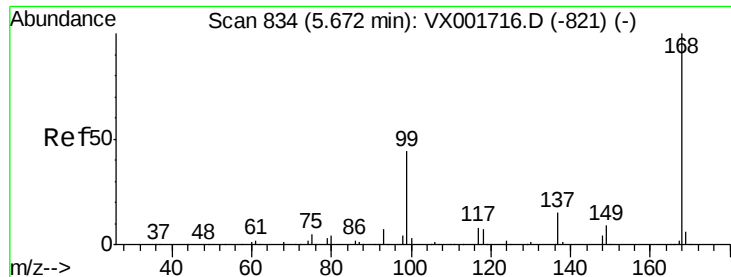
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M

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# 833

Delta R.T. -0.01 min

Lab File: VX001865.D

Acq: 19 May 2018 09:33

Instrument :

MSVOA_X

ClientSampleId :

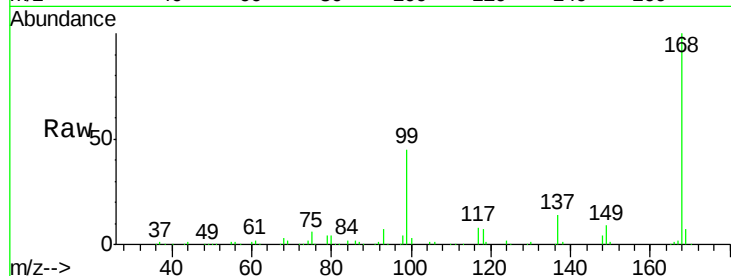
PB109413ZHE#16

Tgt Ion: 168 Resp: 258993

Ion Ratio Lower Upper

168 100

99 45.3 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

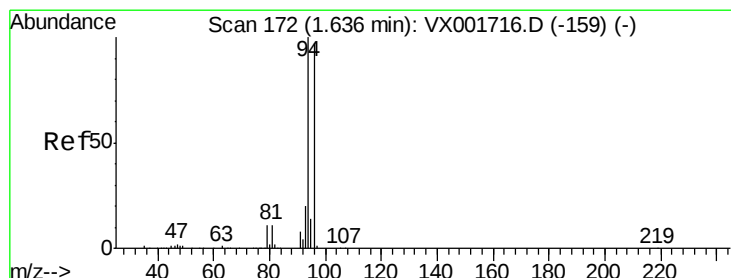
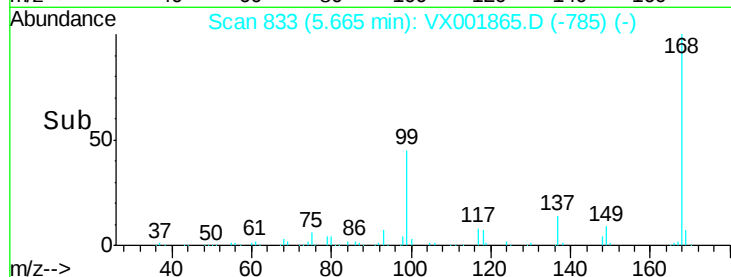
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001865.D

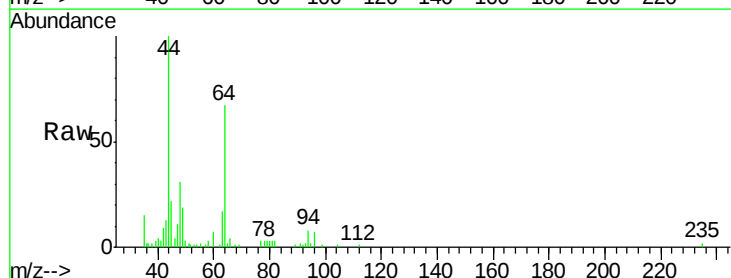
Acq: 19 May 2018 09:33

Tgt Ion: 94 Resp: 718

Ion Ratio Lower Upper

94 100

96 112.7 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

300

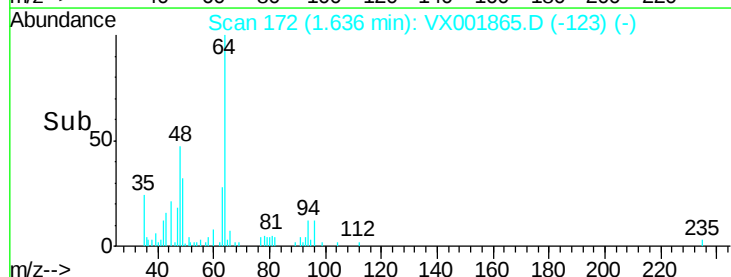
200

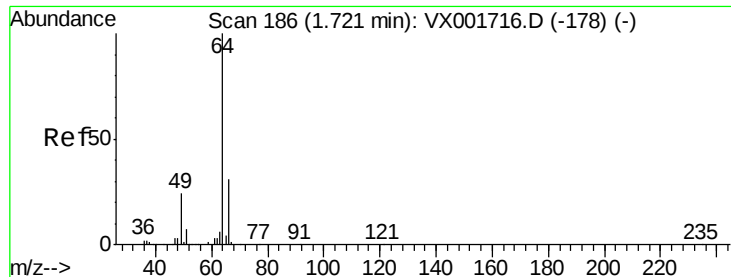
100

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: 2.07 ug/l

RT: 1.75 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX001865.D

Acq: 19 May 2018 09:33

Instrument :

MSVOA_X

ClientSampleId :

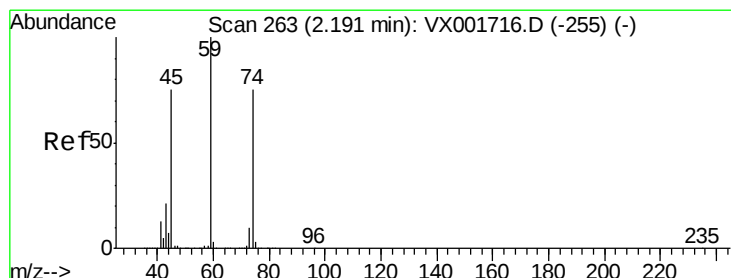
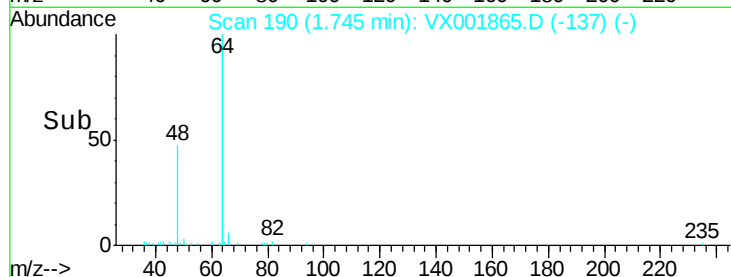
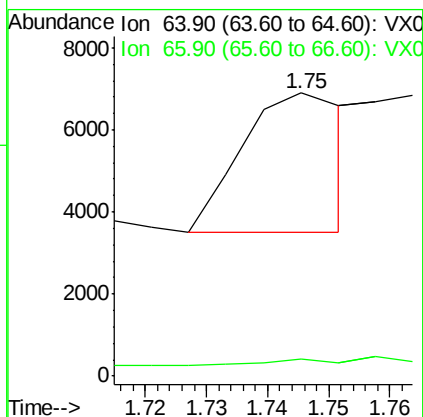
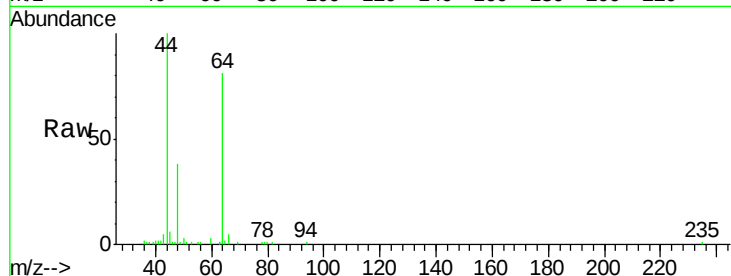
PB109413ZHE#16

Tgt Ion: 64 Resp: 3952

Ion Ratio Lower Upper

64 100

66 4.6 25.2 37.8#



#8

Diethyl Ether

Concen: 0.37 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX001865.D

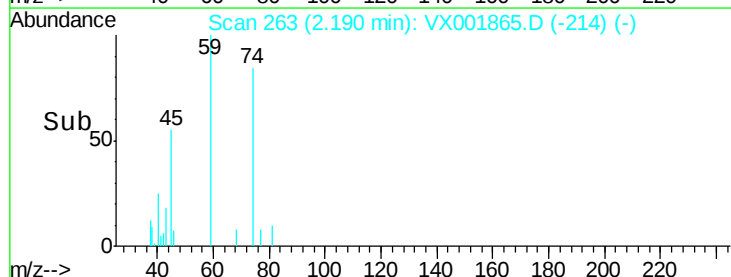
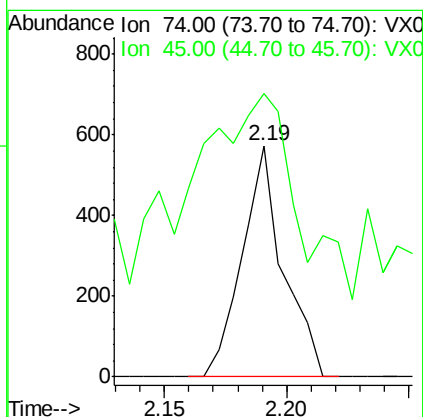
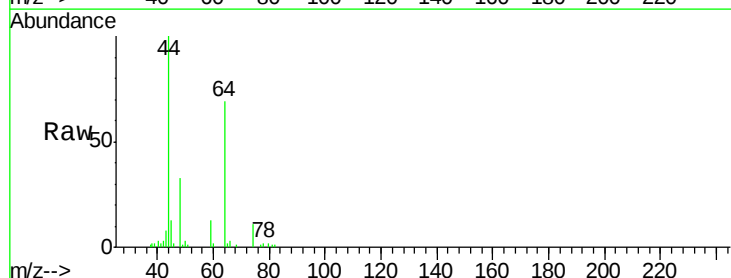
Acq: 19 May 2018 09:33

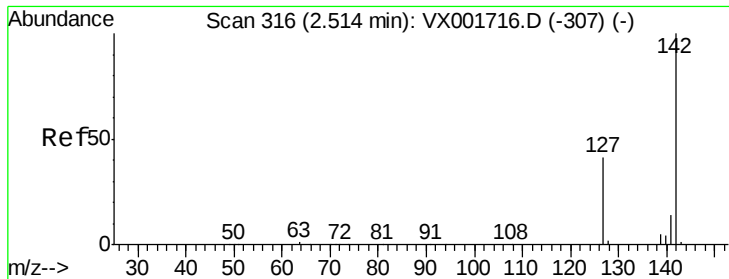
Tgt Ion: 74 Resp: 672

Ion Ratio Lower Upper

74 100

45 227.2 50.0 149.8#

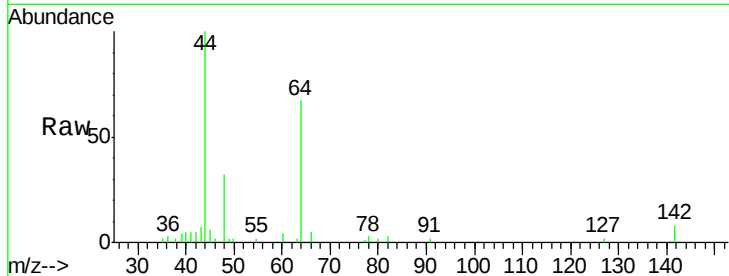




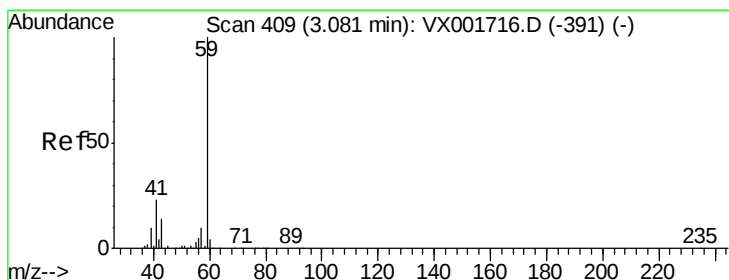
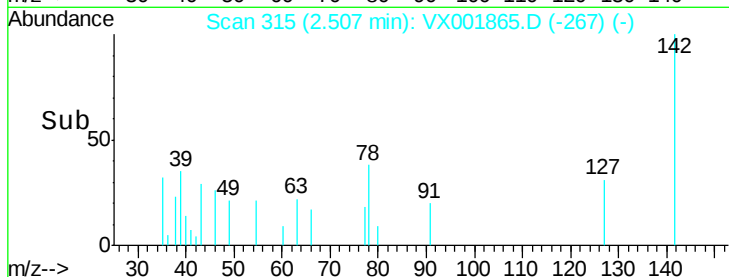
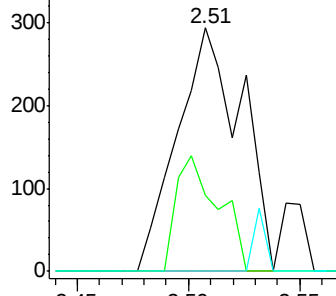
#10
Methyl Iodide
Concen: 0.24 ug/l
RT: 2.51 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX001865.D
Acq: 19 May 2018 09:33

Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#16

Tgt Ion: 142 Resp: 591
Ion Ratio Lower Upper
142 100
127 31.3 32.5 48.7#
141 0.0 11.4 17.0#

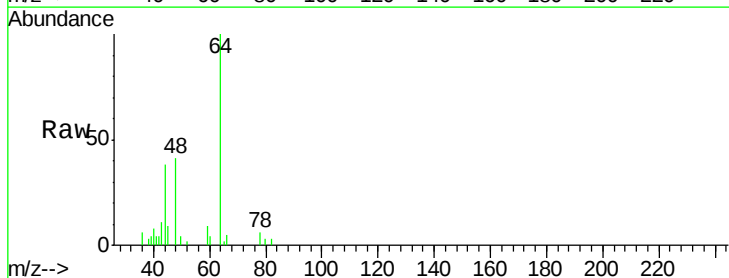


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

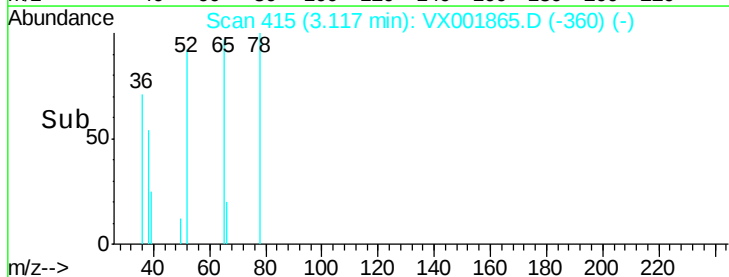
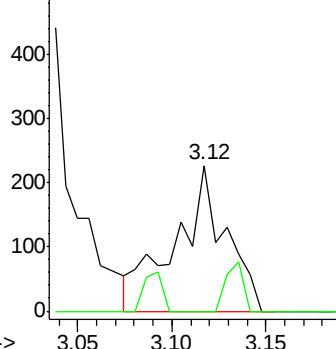


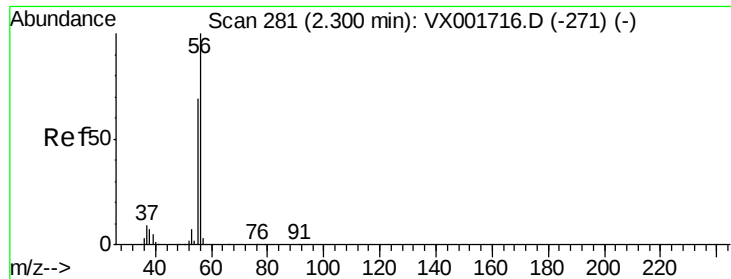
#11
Tert butyl alcohol
Concen: 0.68 ug/l
RT: 3.12 min Scan# 415
Delta R.T. 0.04 min
Lab File: VX001865.D
Acq: 19 May 2018 09:33

Tgt Ion: 59 Resp: 418
Ion Ratio Lower Upper
59 100
57 11.5 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.20 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001865.D

Acq: 19 May 2018 09:33

Instrument :

MSVOA_X

ClientSampleId :

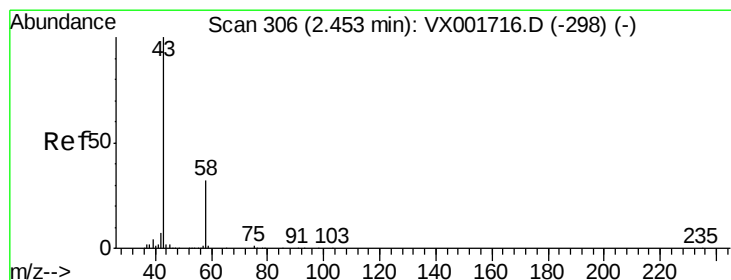
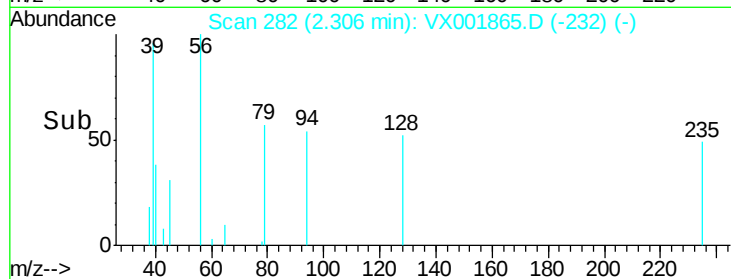
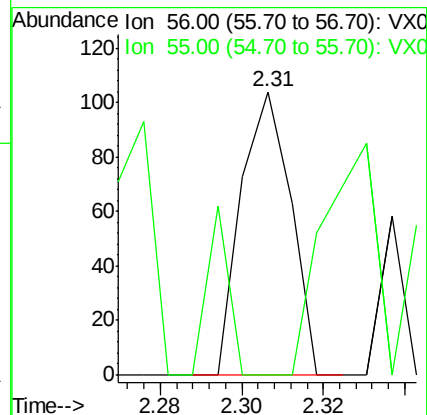
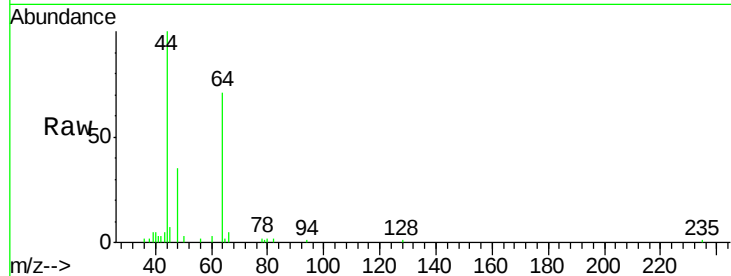
PB109413ZHE#16

Tgt Ion: 56 Resp: 88

Ion Ratio Lower Upper

56 100

55 26.1 56.2 84.2#



#16

Acetone

Concen: 6.15 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX001865.D

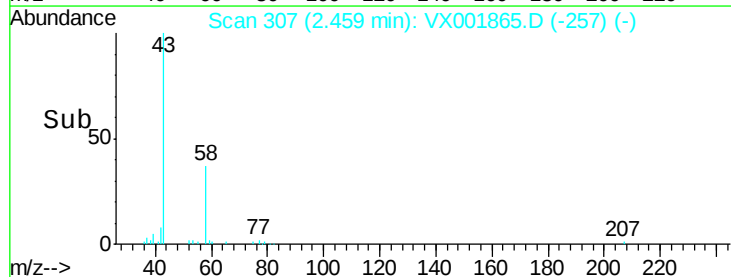
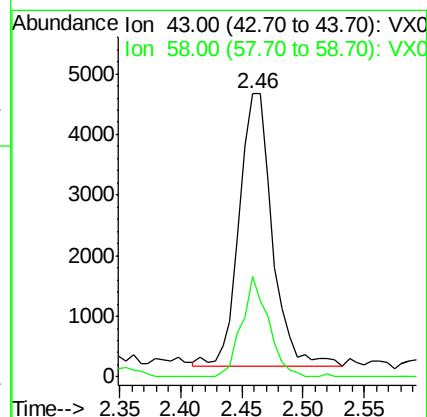
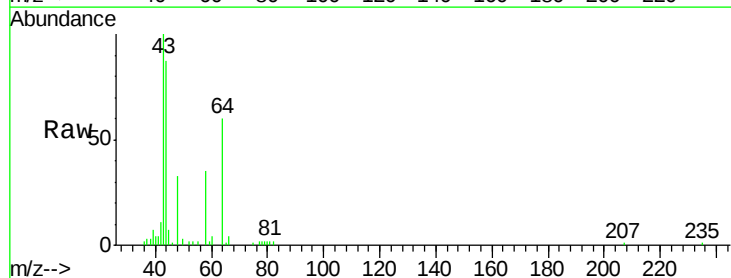
Acq: 19 May 2018 09:33

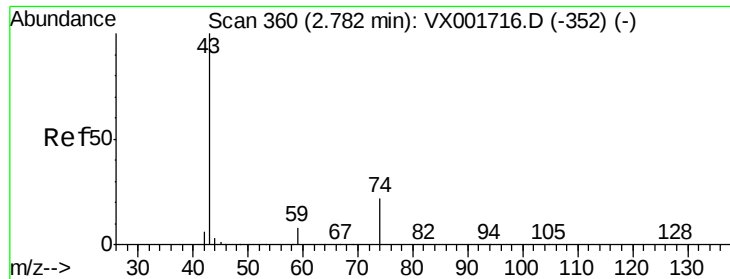
Tgt Ion: 43 Resp: 8391

Ion Ratio Lower Upper

43 100

58 36.8 25.3 37.9

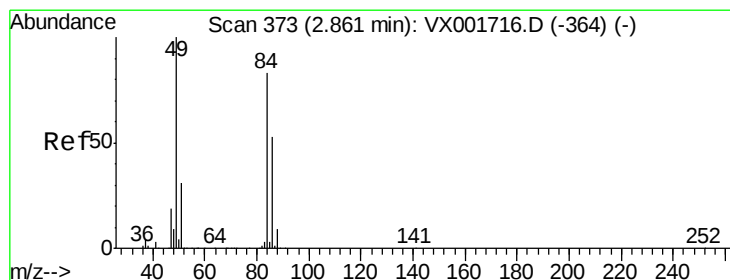
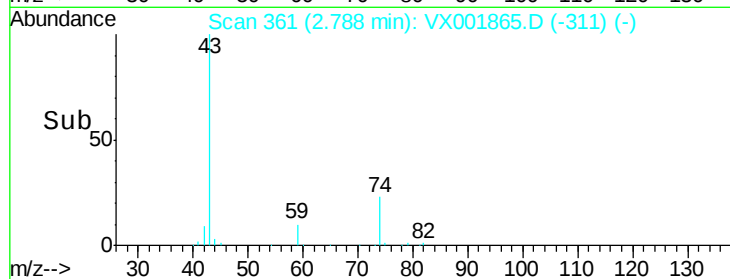
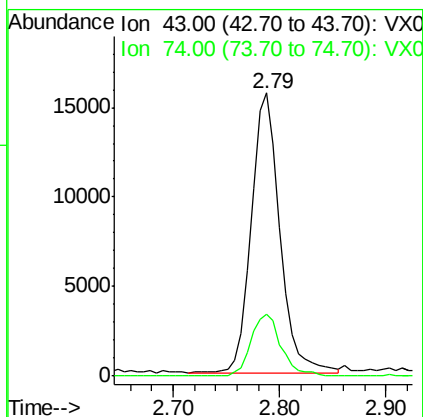
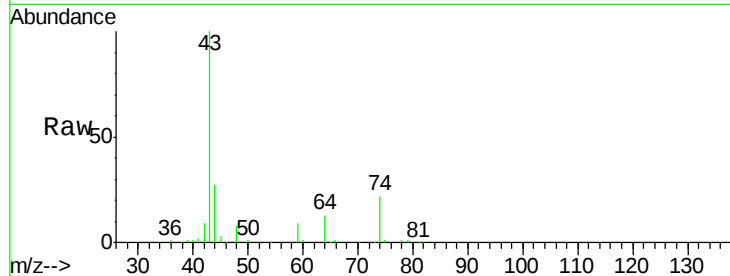




#18
Methyl Acetate
Concen: 7.40 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX001865.D
Acq: 19 May 2018 09:33

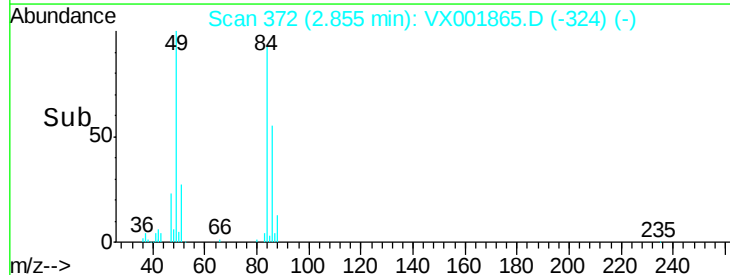
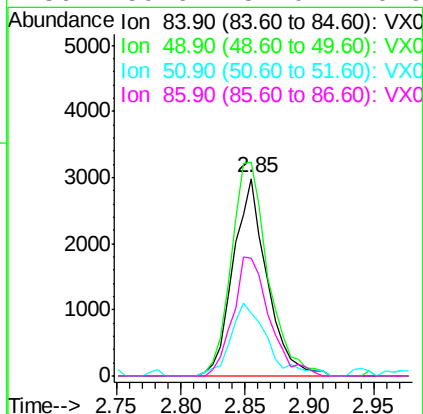
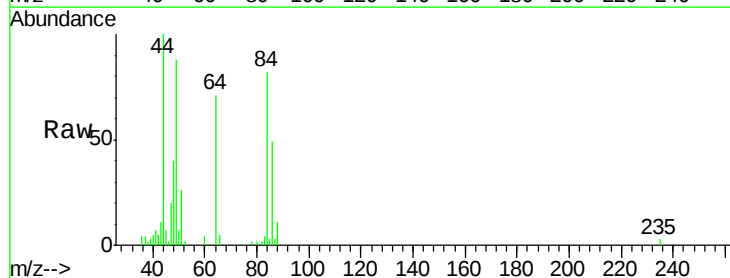
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#16

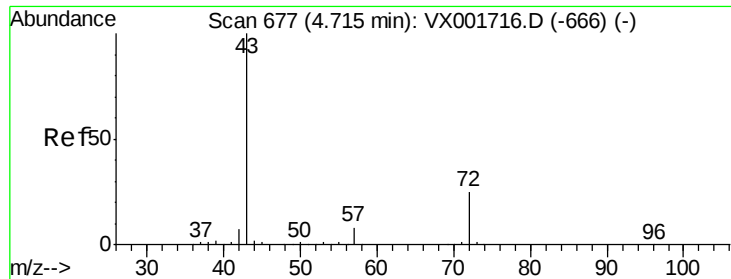
Tgt Ion: 43 Resp: 29479
Ion Ratio Lower Upper
43 100
74 23.4 18.2 27.2



#20
Methylene Chloride
Concen: 1.87 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001865.D
Acq: 19 May 2018 09:33

Tgt Ion: 84 Resp: 5459
Ion Ratio Lower Upper
84 100
49 108.1 96.3 144.5
51 31.7 29.8 44.6
86 59.6 51.0 76.6





#25

2-Butanone

Concen: 1.41 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001865.D

Acq: 19 May 2018 09:33

Instrument :

MSVOA_X

ClientSampleId :

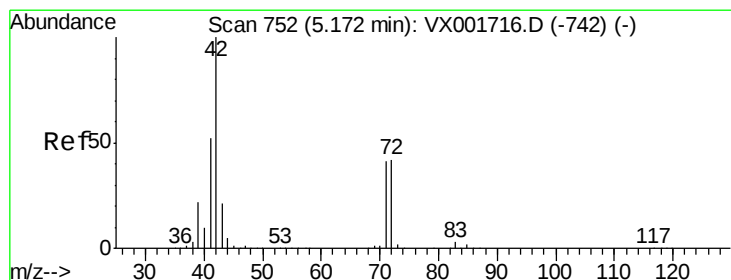
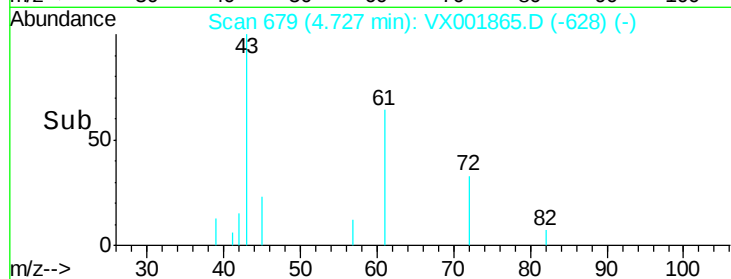
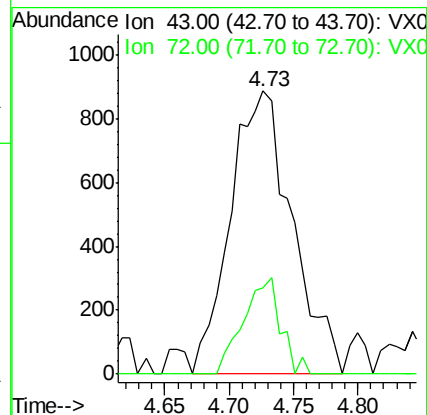
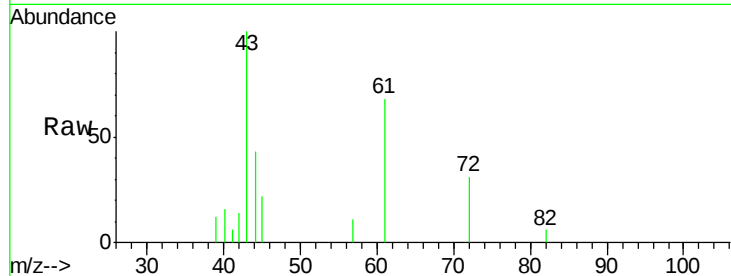
PB109413ZHE#16

Tgt Ion: 43 Resp: 2948

Ion Ratio Lower Upper

43 100

72 30.6 19.8 29.6#



#29

Tetrahydrofuran

Concen: 0.67 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX001865.D

Acq: 19 May 2018 09:33

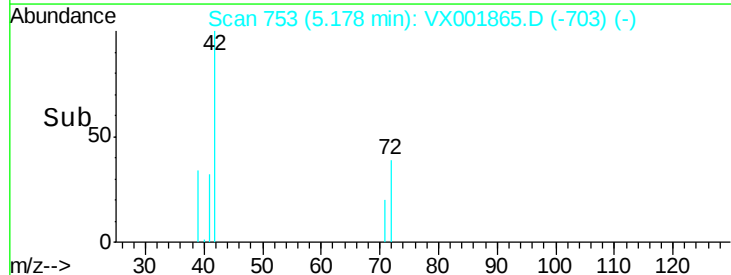
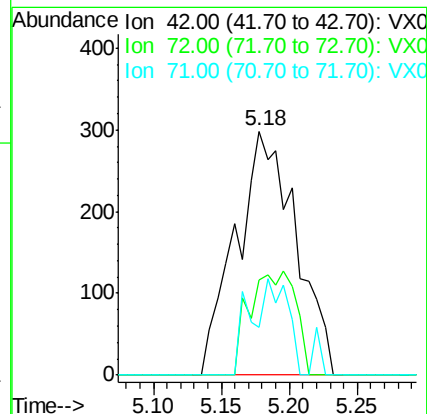
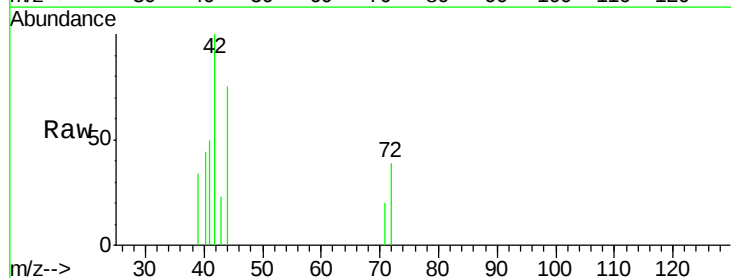
Tgt Ion: 42 Resp: 917

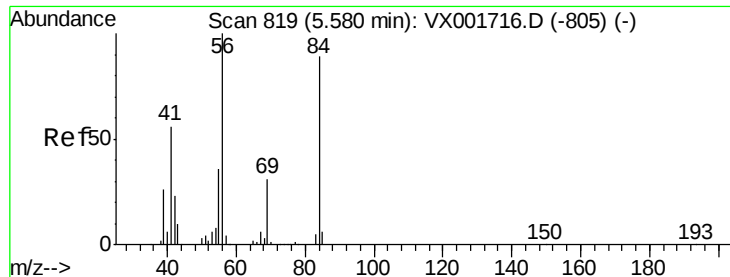
Ion Ratio Lower Upper

42 100

72 32.7 35.4 53.2#

71 24.3 33.2 49.8#

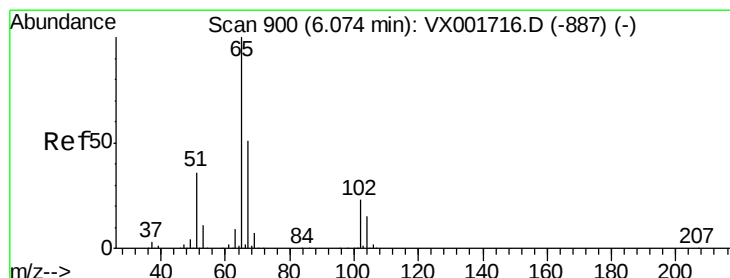
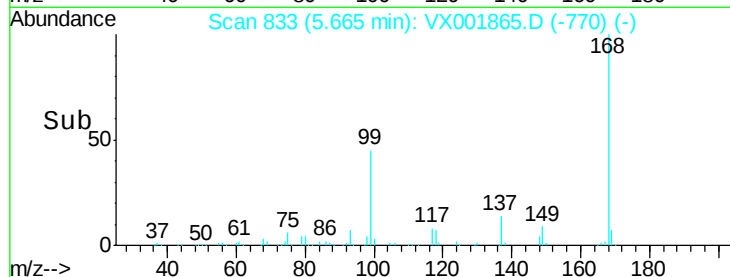
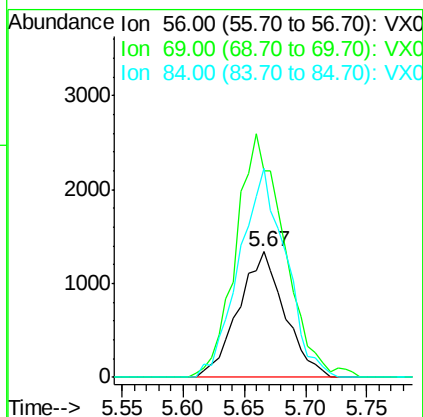
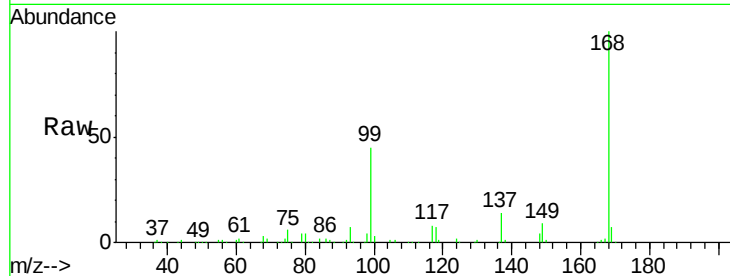




#31
Cyclohexane
Concen: 0.81 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX001865.D
Acq: 19 May 2018 09:33

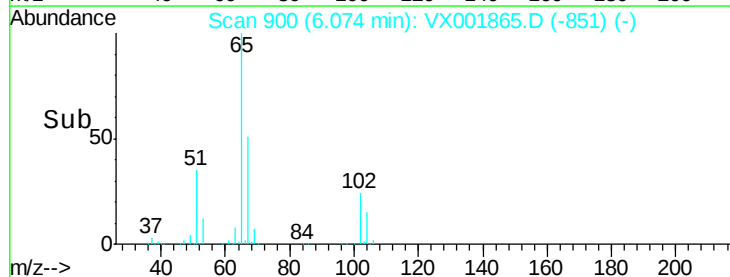
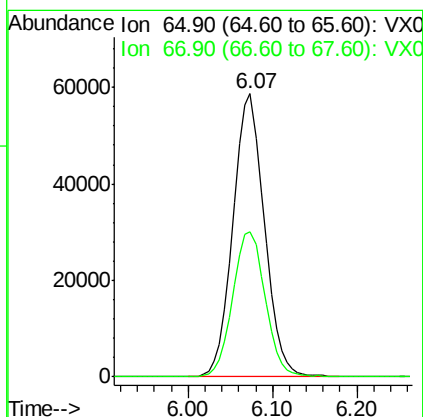
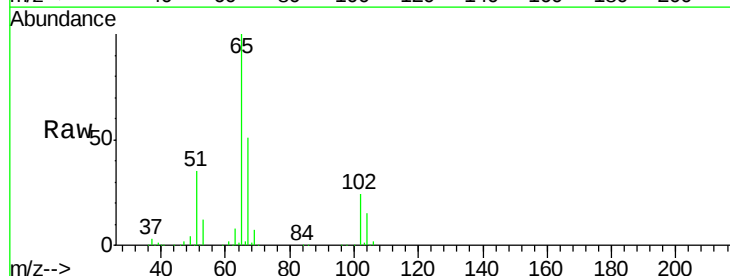
Instrument :
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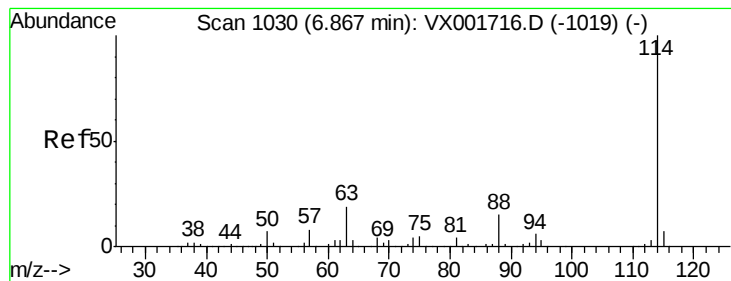
Tgt Ion: 56 Resp: 3527
Ion Ratio Lower Upper
56 100
69 164.2 25.0 37.6#
84 166.5 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 42.65 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX001865.D
Acq: 19 May 2018 09:33

Tgt Ion: 65 Resp: 148047
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: VX001865.D

Acq: 19 May 2018 09:33

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#16

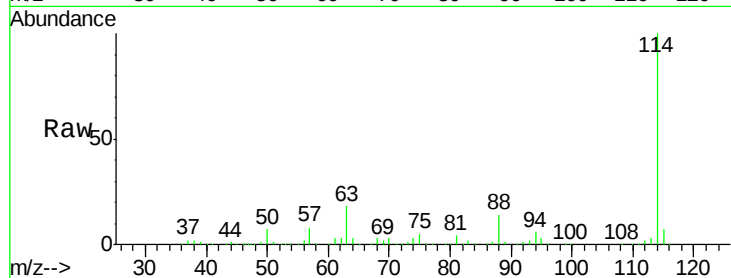
Tgt Ion:114 Resp: 342377

Ion Ratio Lower Upper

114 100

63 17.7 0.0 37.0

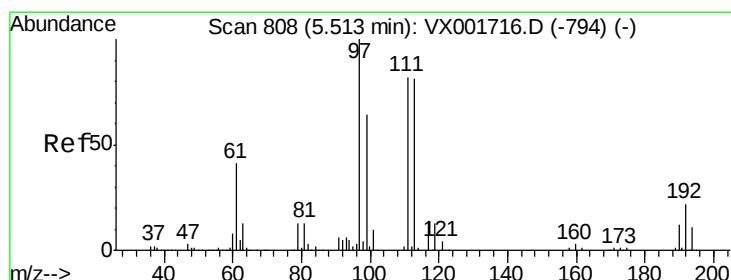
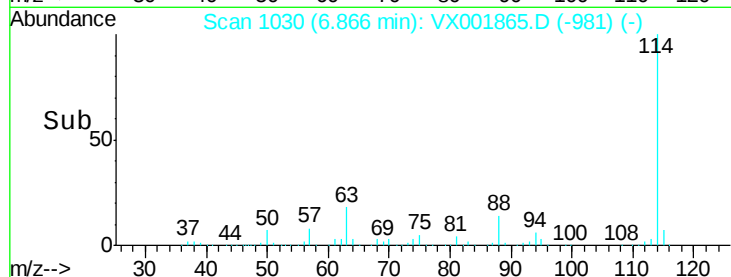
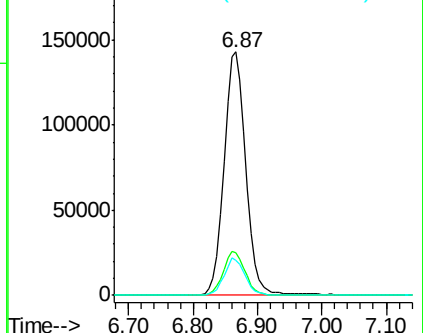
88 14.3 0.0 29.8



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: 45.29 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001865.D

Acq: 19 May 2018 09:33

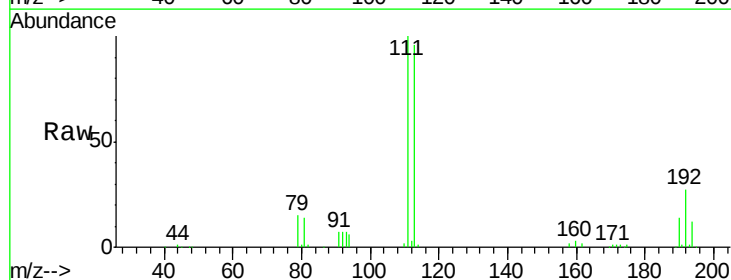
Tgt Ion:113 Resp: 130845

Ion Ratio Lower Upper

113 100

111 101.9 82.0 123.0

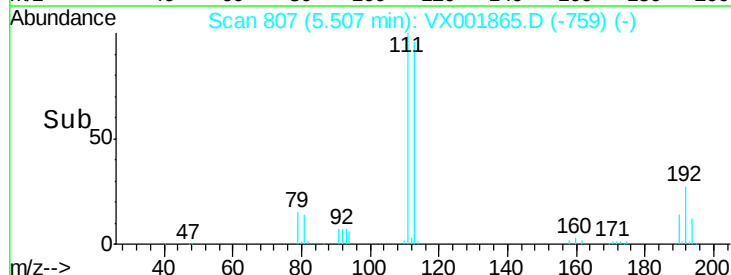
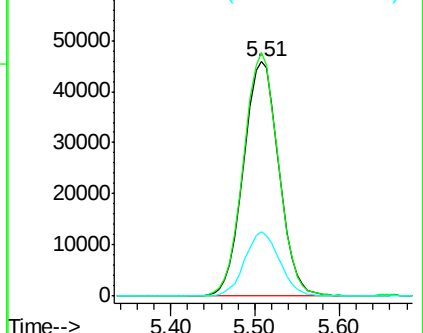
192 27.0 21.6 32.4

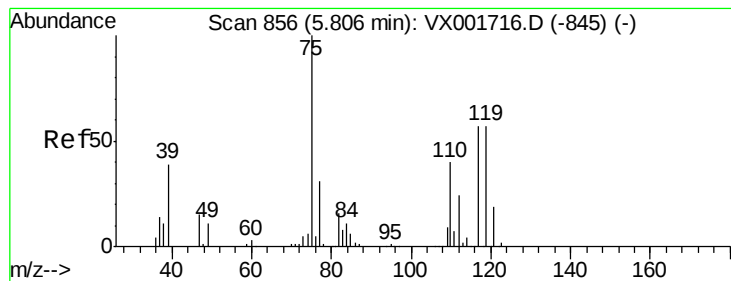


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.77 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001865.D

Acq: 19 May 2018 09:33

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#16

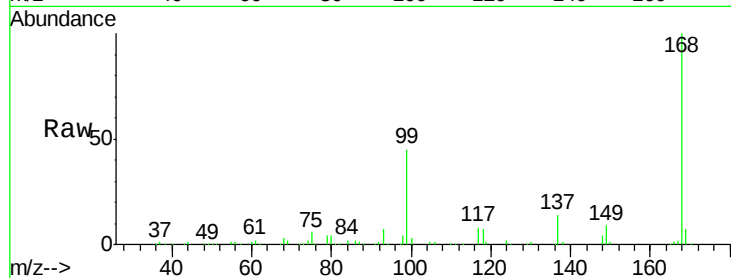
Tgt Ion: 75 Resp: 14861

Ion Ratio Lower Upper

75 100

110 9.2 19.1 57.1#

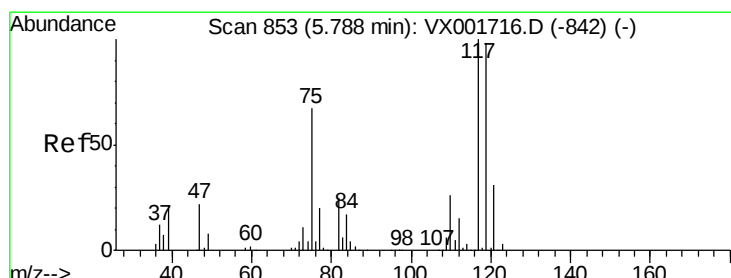
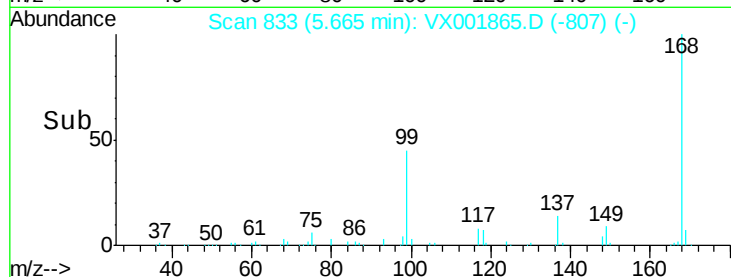
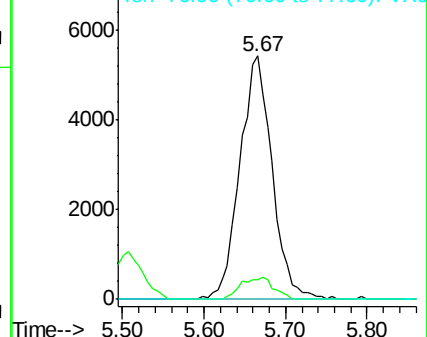
77 0.0 24.6 37.0#



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: 5.02 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001865.D

Acq: 19 May 2018 09:33

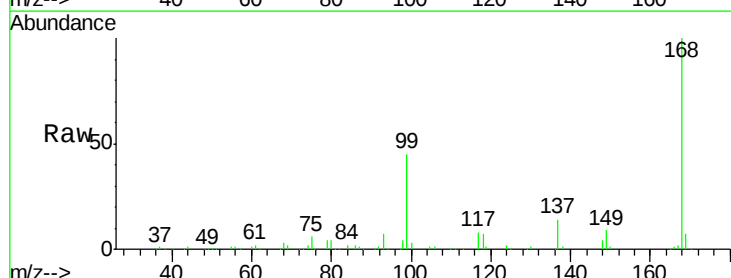
Tgt Ion: 117 Resp: 20729

Ion Ratio Lower Upper

117 100

119 6.8 77.6 116.4#

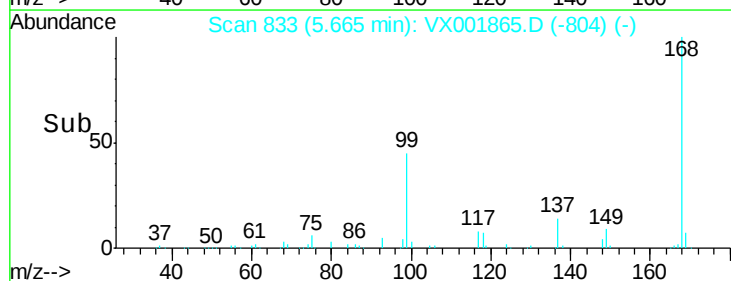
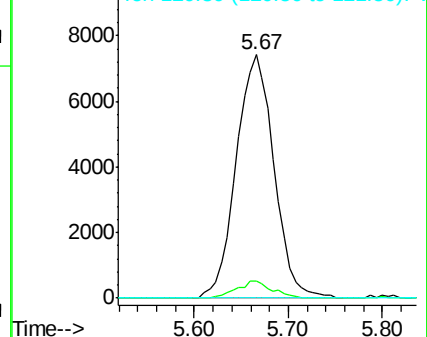
121 0.0 24.6 36.8#

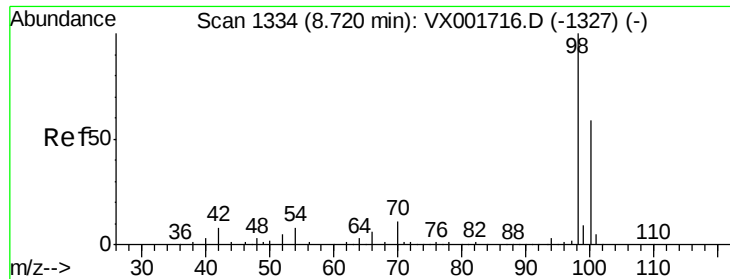


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 46.12 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001865.D

Acq: 19 May 2018 09:33

Instrument :

MSVOA_X

ClientSampleId :

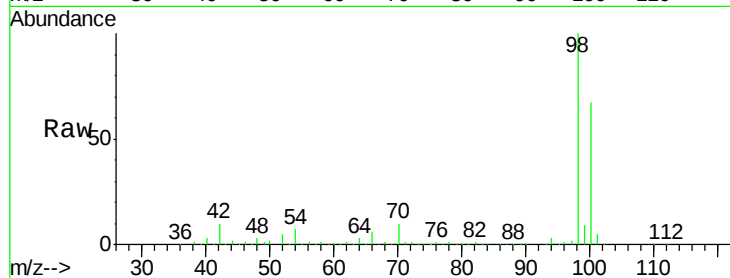
PB109413ZHE#16

Tgt Ion: 98 Resp: 477292

Ion Ratio Lower Upper

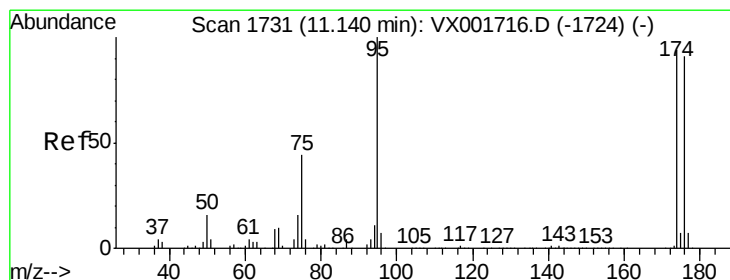
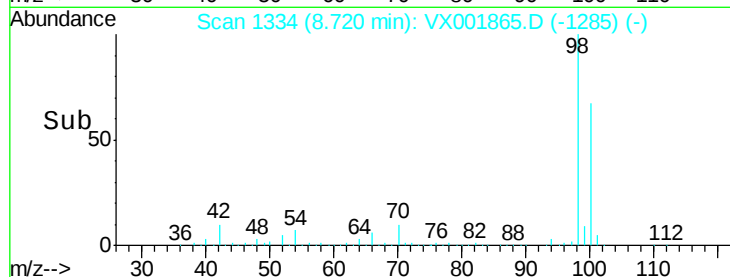
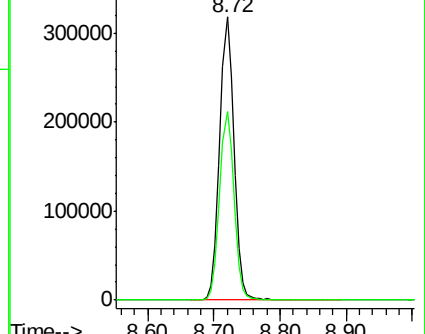
98 100

100 67.1 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 37.33 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001865.D

Acq: 19 May 2018 09:33

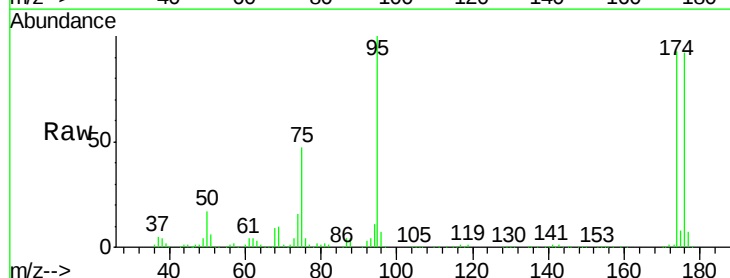
Tgt Ion: 95 Resp: 139090

Ion Ratio Lower Upper

95 100

174 104.3 0.0 201.8

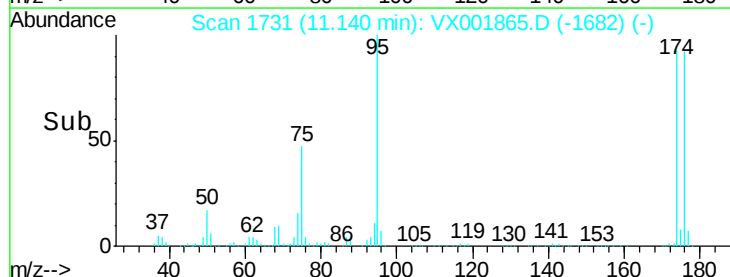
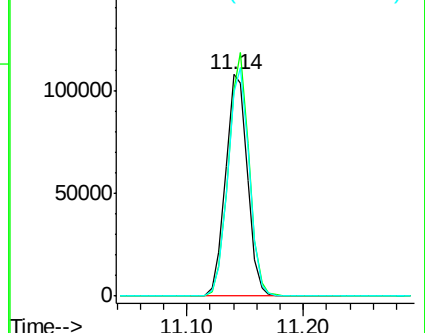
176 100.8 0.0 196.8

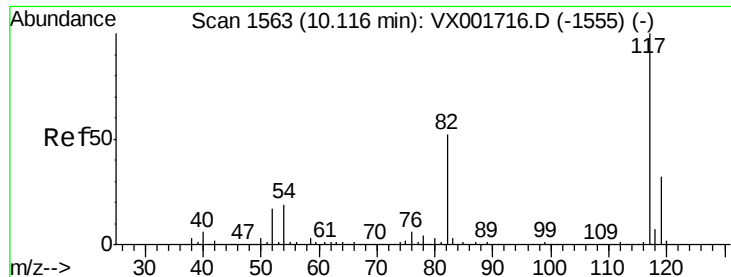


Abundance Ion 94.90 (94.60 to 95.60): VX0

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# 1563

Delta R.T. -0.00 min

Lab File: VX001865.D

Acq: 19 May 2018 09:33

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#16

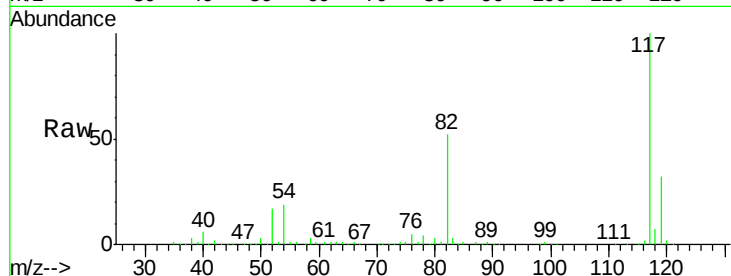
Tgt Ion:117 Resp: 267422

Ion Ratio Lower Upper

117 100

82 51.9 41.4 62.2

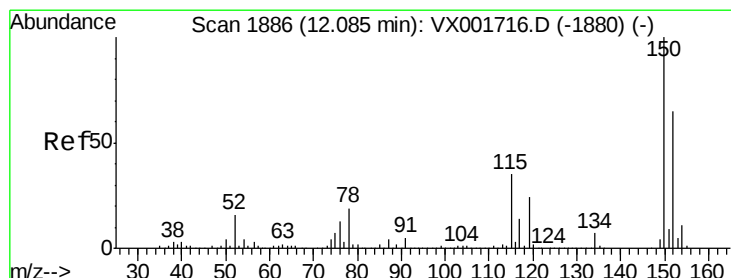
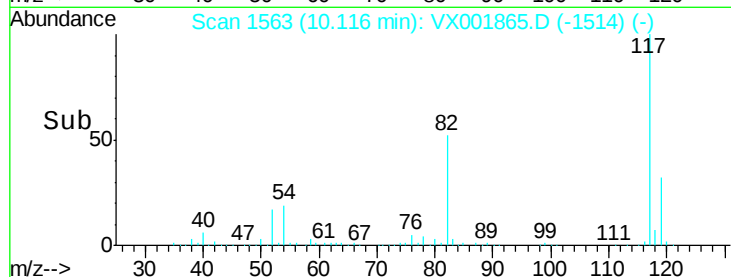
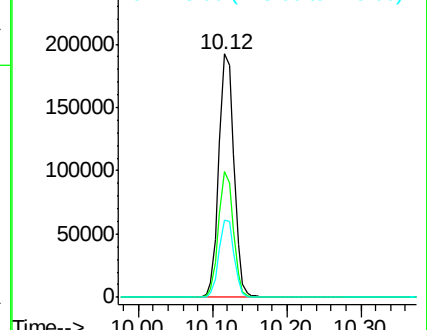
119 31.9 25.6 38.4



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: VX001865.D

Acq: 19 May 2018 09:33

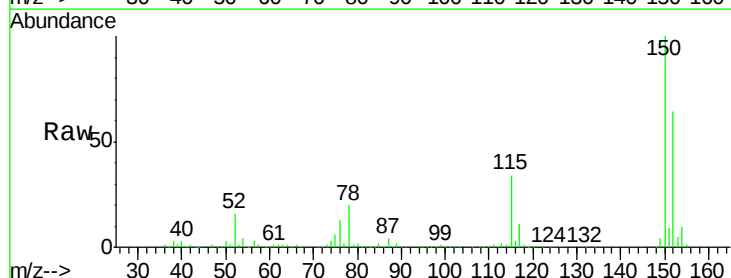
Tgt Ion:152 Resp: 151428

Ion Ratio Lower Upper

152 100

115 52.2 37.4 112.2

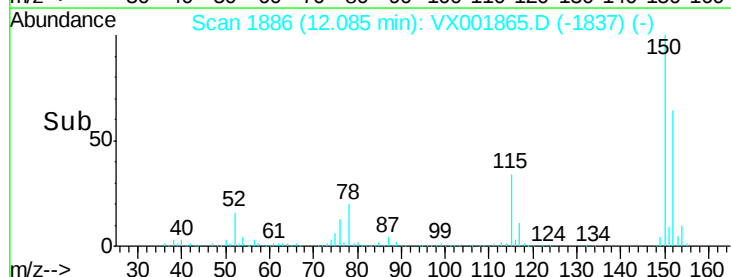
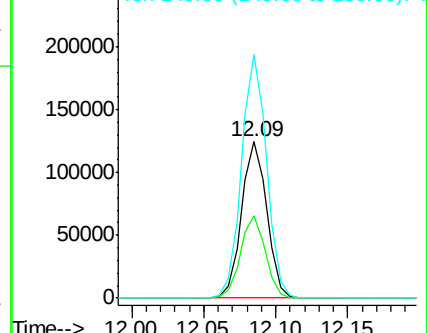
150 155.2 0.0 344.8

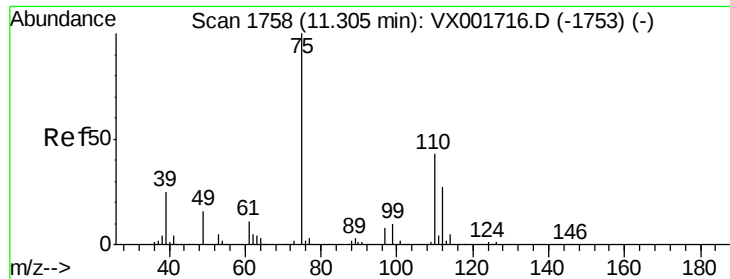


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

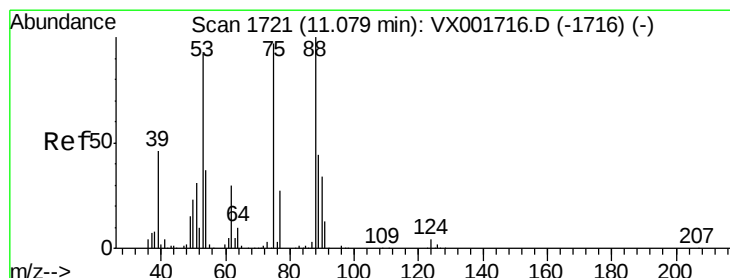
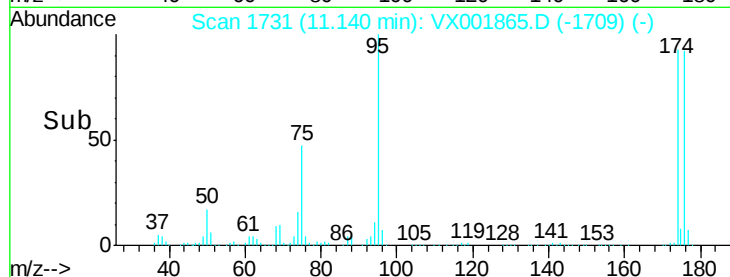
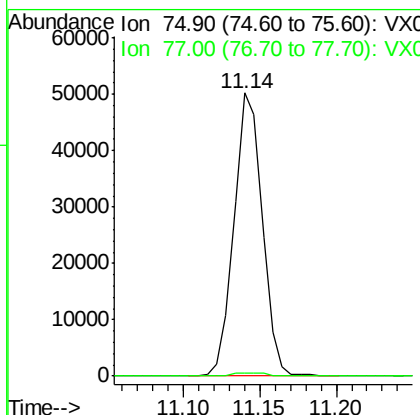
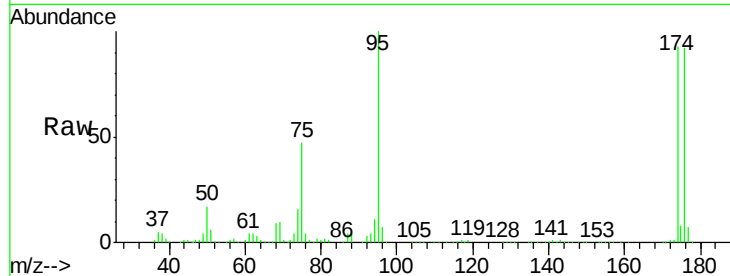




#76
 1,2,3-Trichloropropane
 Concen: 22.34 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001865.D
 Acq: 19 May 2018 09:33

Instrument :
 MSVOA_X
 ClientSampleId :
 PB109413ZHE#16

Tgt Ion: 75 Resp: 64340
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.49 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001865.D
 Acq: 19 May 2018 09:33

Tgt Ion: 75 Resp: 64340
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.4 119.2#
 89 0.0 38.8 58.2#

