

Data File : VX001868.D

Acq On : 19 May 2018 10:53

Operator : JC/MD

Sample : PB109413ZHE#19

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#19

Quant Time: May 21 03:26:52 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	260916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	349502	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	268942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	150664	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	150120	42.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.84%	
35) Dibromofluoromethane	5.51	113	131355	44.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.08%	
50) Toluene-d8	8.72	98	483493	45.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.54%	
62) 4-Bromofluorobenzene	11.14	95	139644	36.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.44%	

Target Compounds

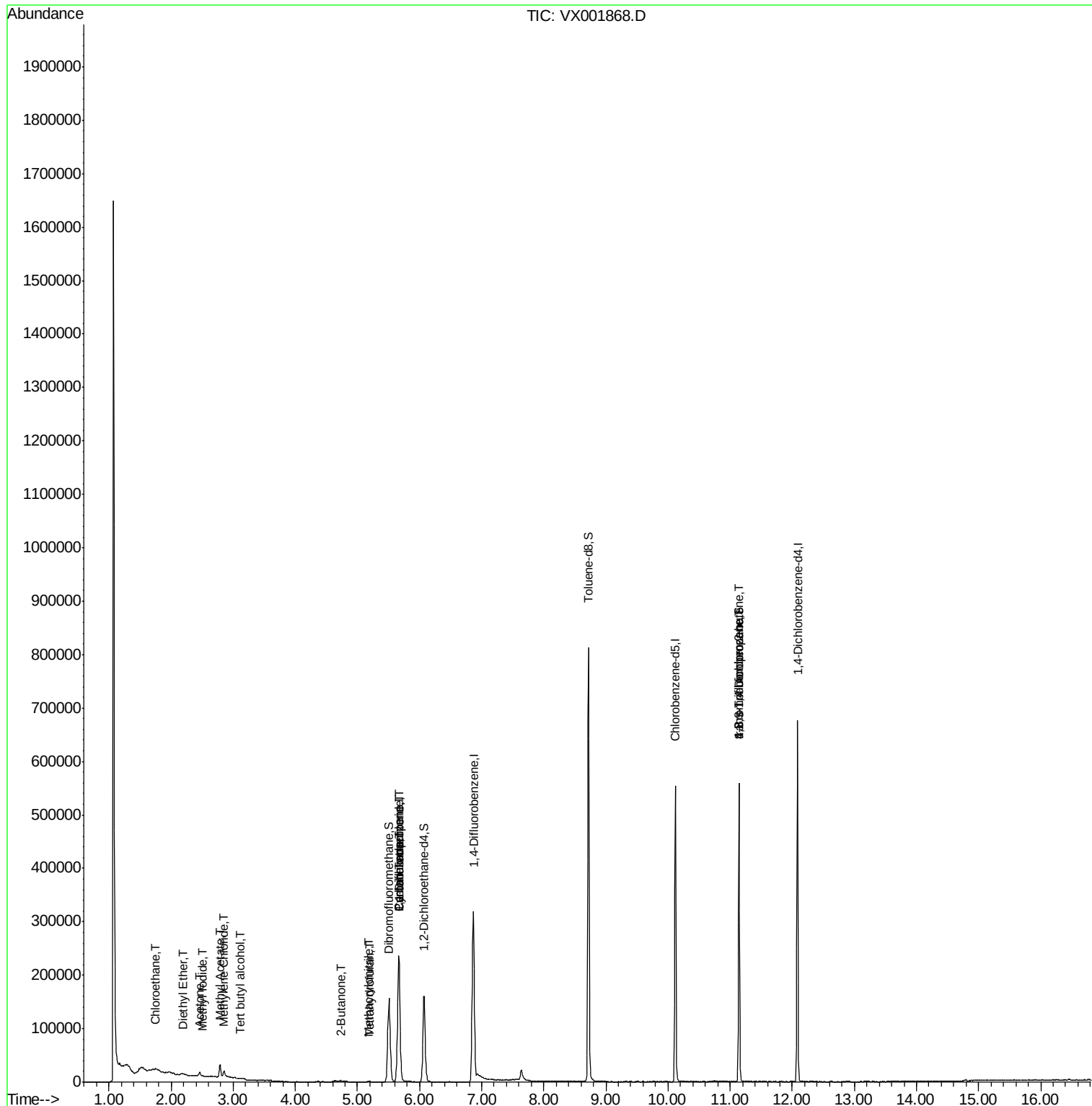
						Qvalue
5) Bromomethane	1.64	94	700	Below Cal	#	52
6) Chloroethane	1.74	64	5163	2.68	ug/l #	47
8) Diethyl Ether	2.19	74	426	0.23	ug/l	77
10) Methyl Iodide	2.51	142	605	0.25	ug/l #	87
11) Tert butyl alcohol	3.11	59	372	0.60	ug/l #	72
16) Acetone	2.46	43	7943	5.78	ug/l	94
18) Methyl Acetate	2.79	43	27902	6.95	ug/l	97
20) Methylene Chloride	2.86	84	4873	1.66	ug/l	95
25) 2-Butanone	4.72	43	3287	1.56	ug/l	98
29) Tetrahydrofuran	5.20	42	876	0.64	ug/l #	59
31) Cyclohexane	5.67	56	3804	0.87	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14485	3.60	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20970	4.98	ug/l #	16
41) Methacrylonitrile	5.18	41	656	0.27	ug/l #	51
76) 1,2,3-Trichloropropane	11.14	75	64584	22.54	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	64584	66.04	ug/l #	10

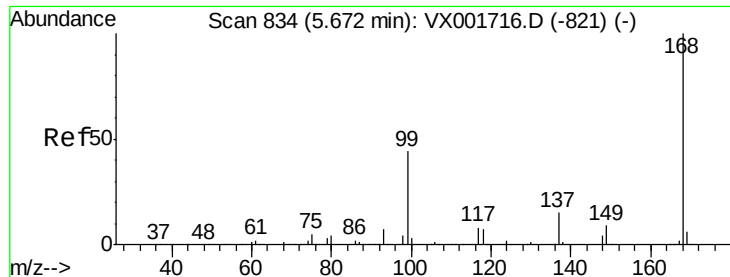
(#)= qualifier out of range (m)= manual integration (+)= signals summed

Data File : VX001868.D
Acq On : 19 May 2018 10:53
Operator : JC/MD
Sample : PB109413ZHE#19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#19

Quant Time: May 21 03:26:52 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: VX001868.D

Acq: 19 May 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

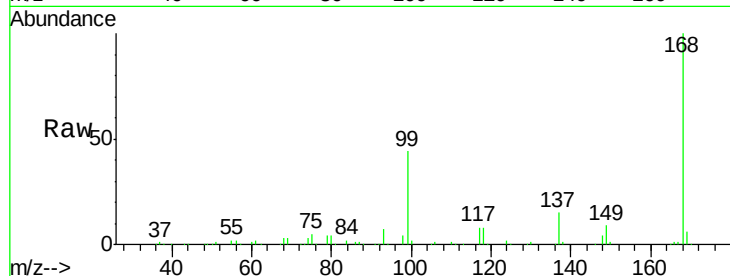
PB109413ZHE#19

Tgt Ion:168 Resp: 260916

Ion Ratio Lower Upper

168 100

99 44.4 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

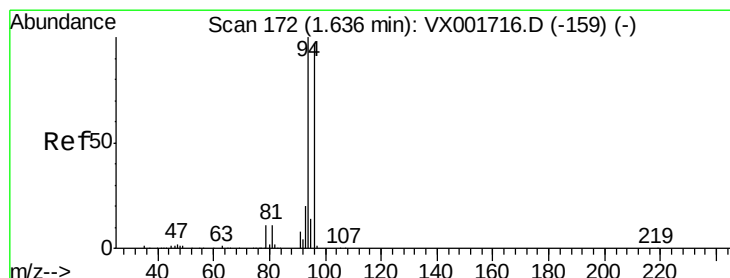
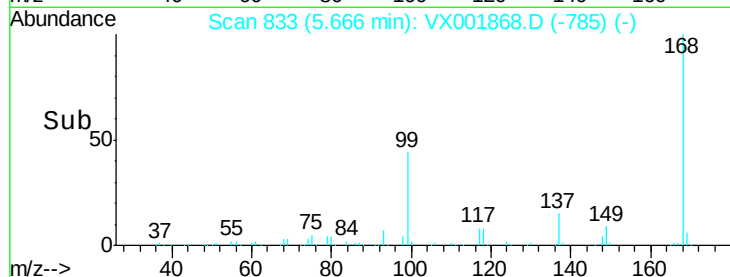
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001868.D

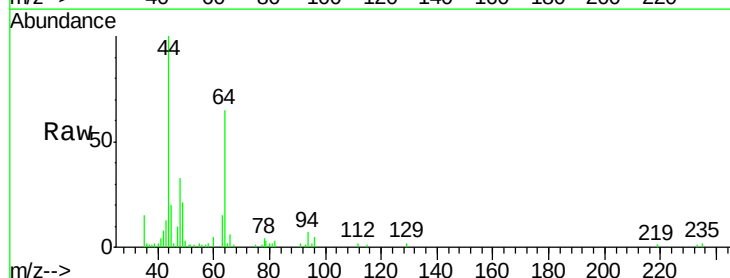
Acq: 19 May 2018 10:53

Tgt Ion: 94 Resp: 700

Ion Ratio Lower Upper

94 100

96 49.8 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

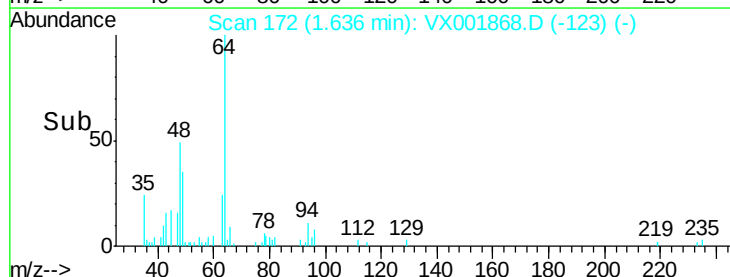
200

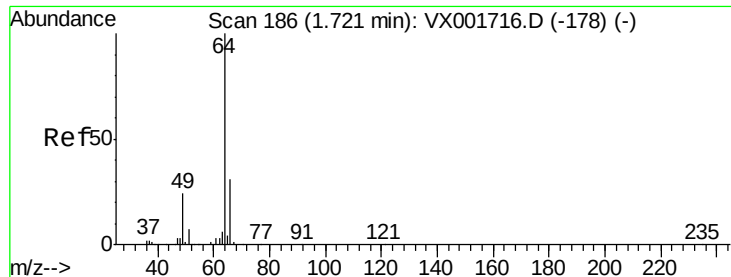
100

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 2.68 ug/l

RT: 1.74 min Scan# 189

Delta R.T. 0.02 min

Lab File: VX001868.D

Acq: 19 May 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

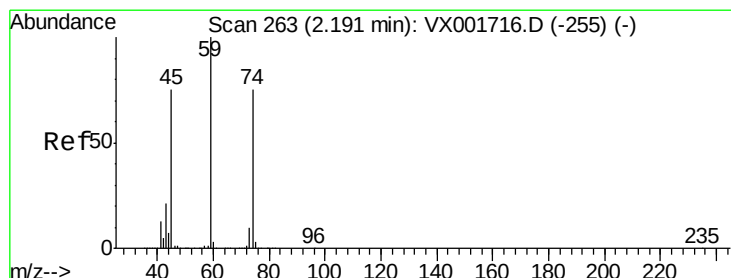
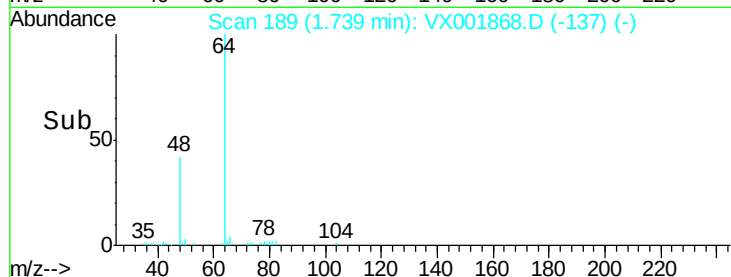
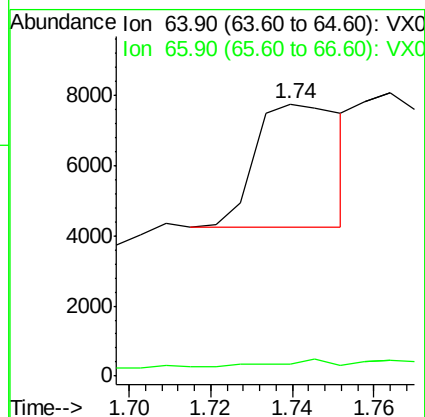
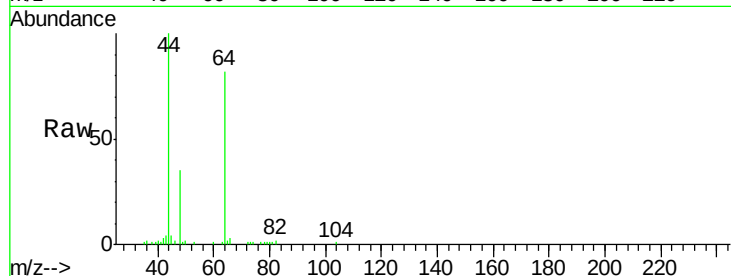
PB109413ZHE#19

Tgt Ion: 64 Resp: 5163

Ion Ratio Lower Upper

64 100

66 2.1 25.2 37.8#



#8

Diethyl Ether

Concen: 0.23 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX001868.D

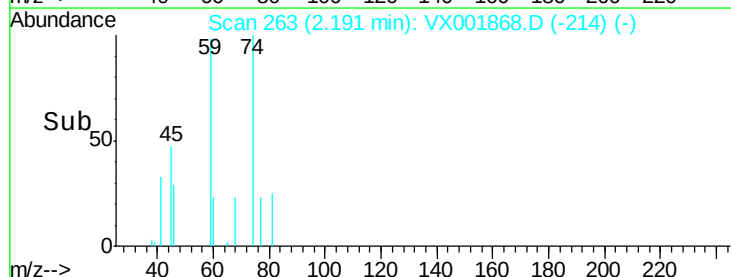
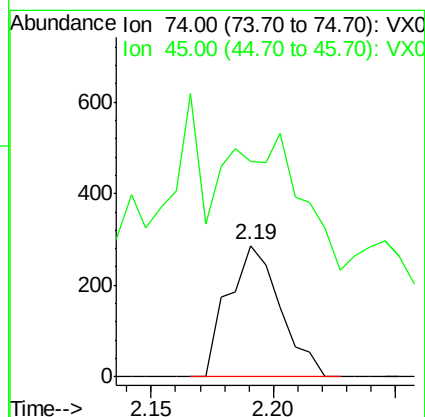
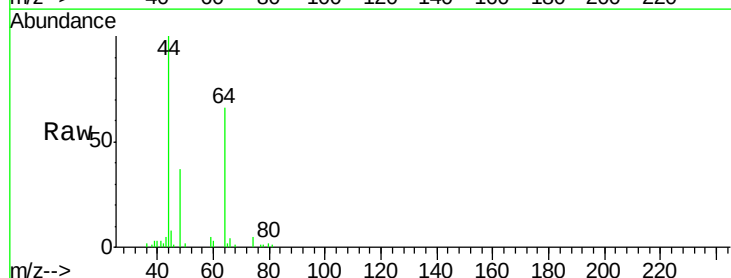
Acq: 19 May 2018 10:53

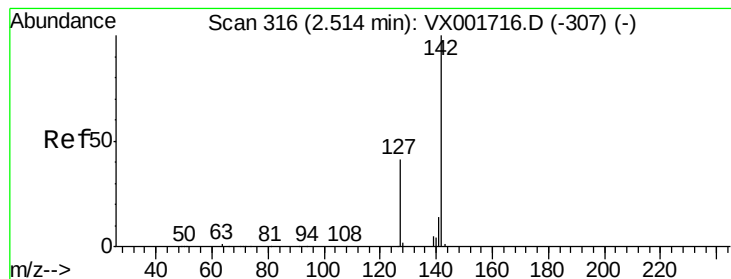
Tgt Ion: 74 Resp: 426

Ion Ratio Lower Upper

74 100

45 122.5 50.0 149.8





#10

Methyl Iodide

Concen: 0.25 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX001868.D

Acq: 19 May 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#19

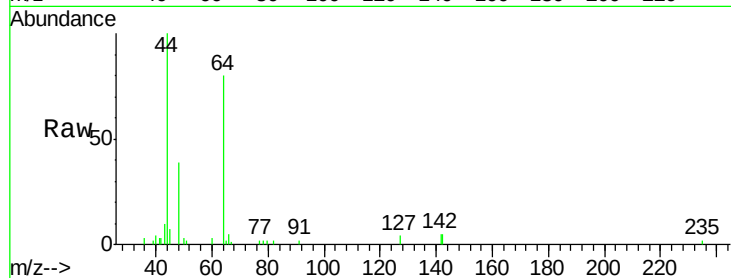
Tgt Ion:142 Resp: 605

Ion Ratio Lower Upper

142 100

127 37.5 32.5 48.7

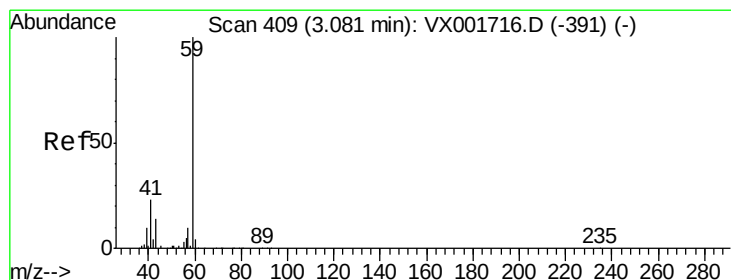
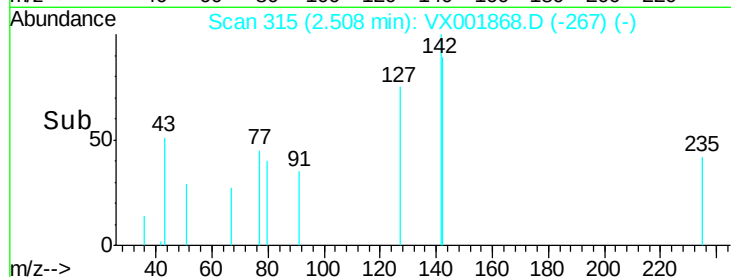
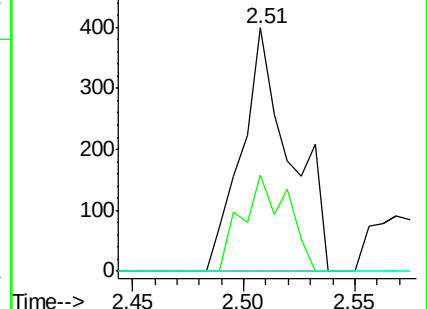
141 0.0 11.4 17.0#



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: 0.60 ug/l

RT: 3.11 min Scan# 413

Delta R.T. 0.02 min

Lab File: VX001868.D

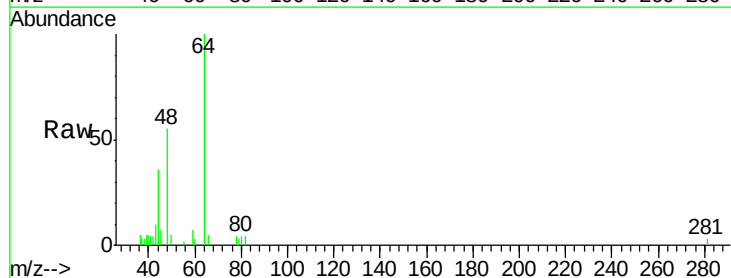
Acq: 19 May 2018 10:53

Tgt Ion: 59 Resp: 372

Ion Ratio Lower Upper

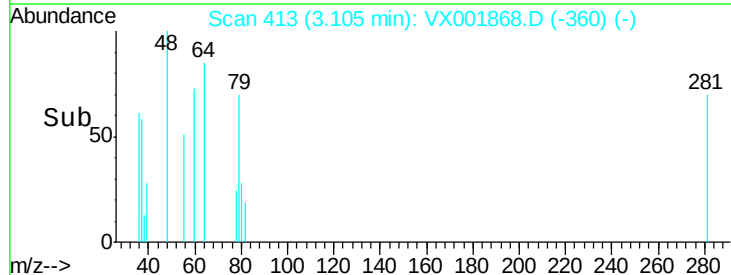
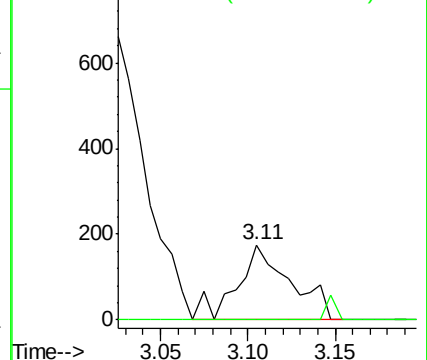
59 100

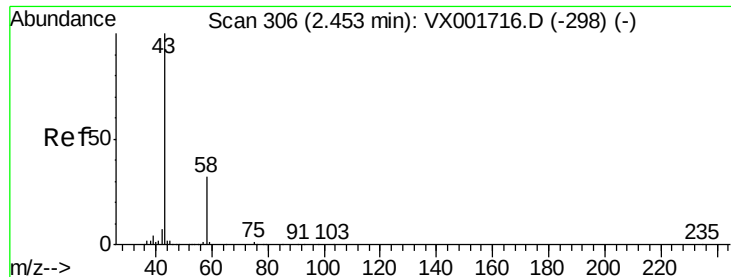
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 5.78 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX001868.D

Acq: 19 May 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

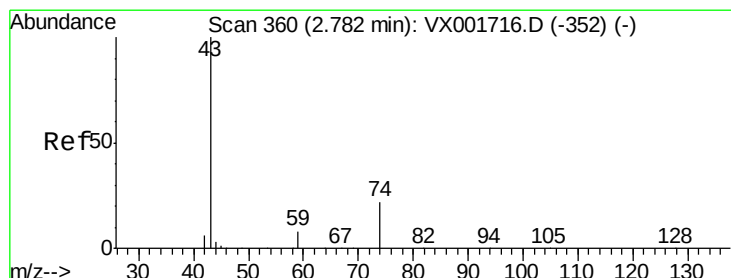
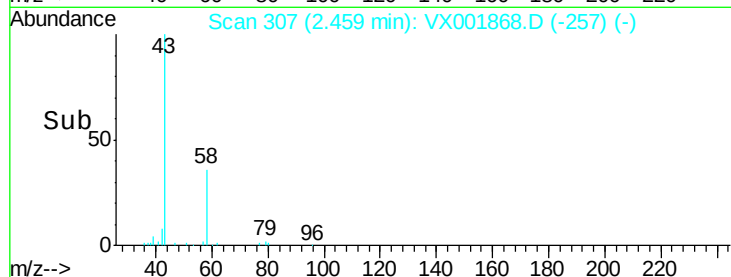
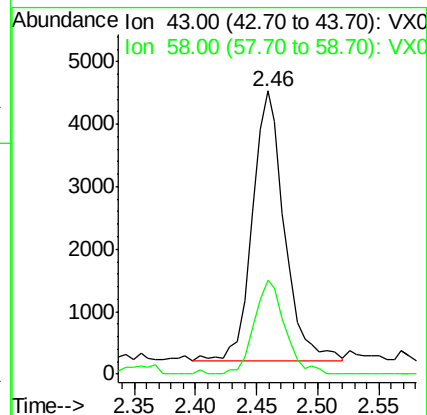
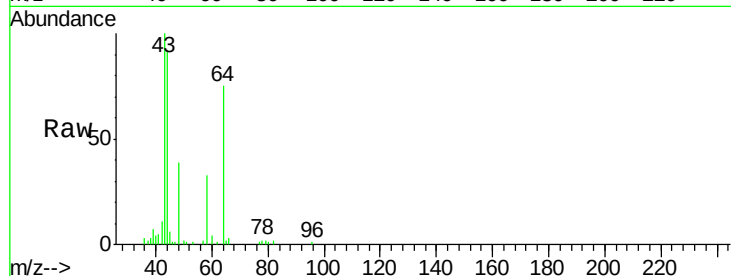
PB109413ZHE#19

Tgt Ion: 43 Resp: 7943

Ion Ratio Lower Upper

43 100

58 34.9 25.3 37.9



#18

Methyl Acetate

Concen: 6.95 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX001868.D

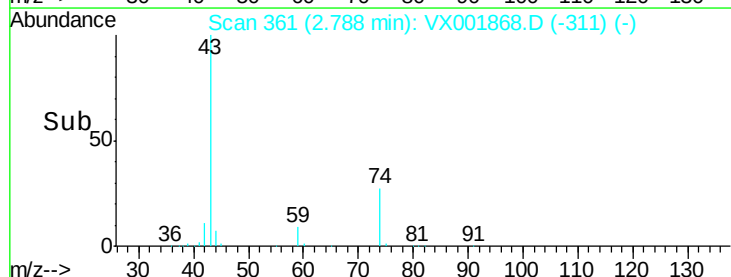
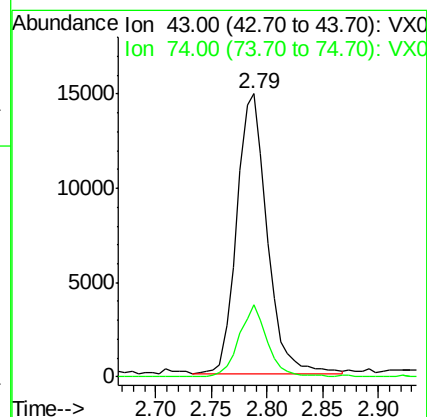
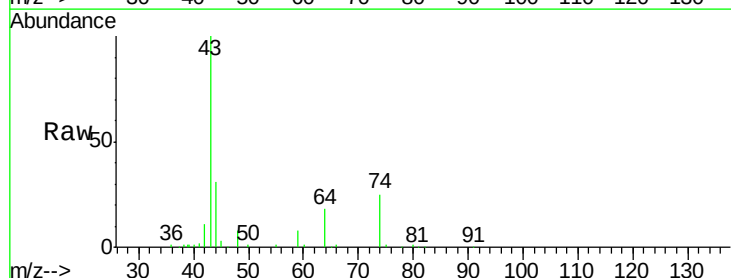
Acq: 19 May 2018 10:53

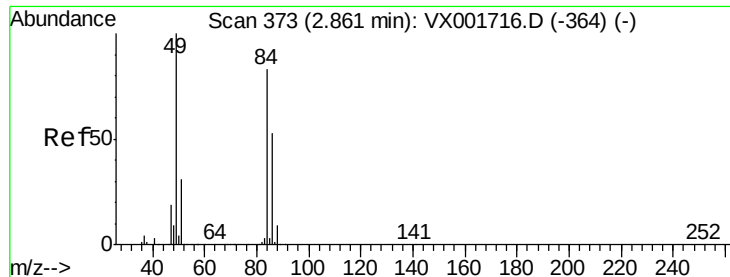
Tgt Ion: 43 Resp: 27902

Ion Ratio Lower Upper

43 100

74 24.1 18.2 27.2

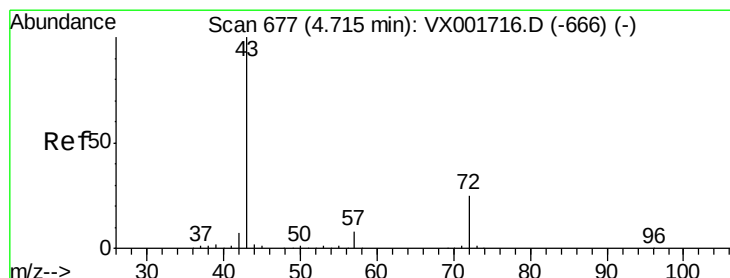
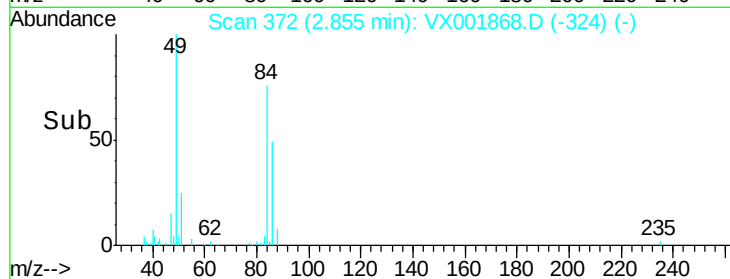
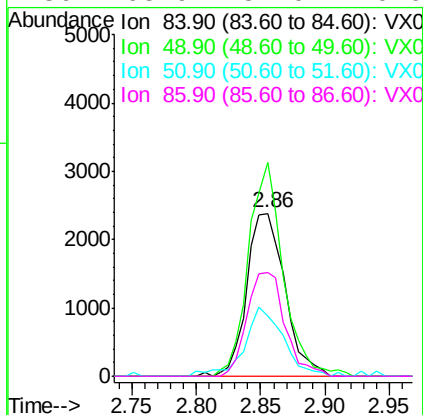
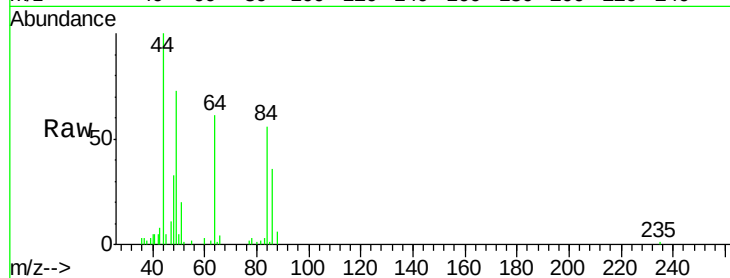




#20
Methylene Chloride
Concen: 1.66 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001868.D
Acq: 19 May 2018 10:53

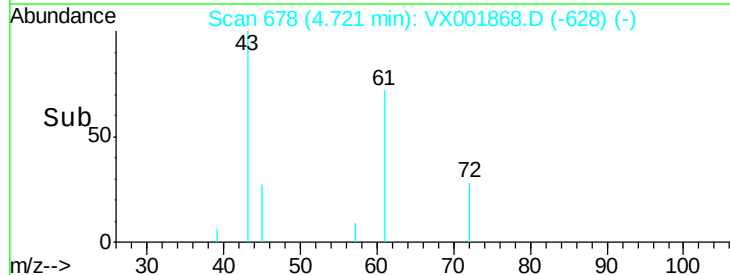
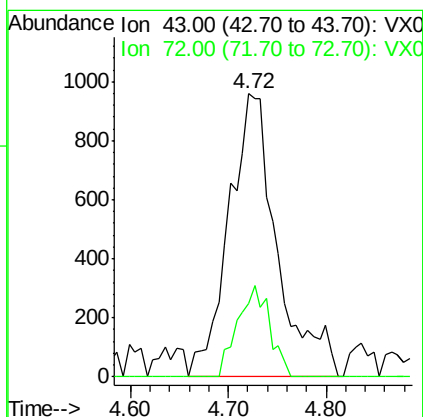
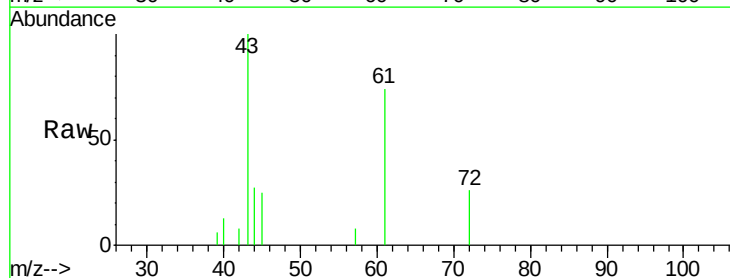
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#19

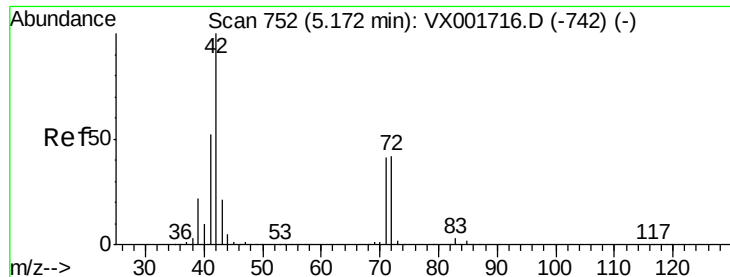
Tgt Ion:	84	Resp:	4873
Ion	Ratio	Lower	Upper
84	100		
49	130.9	96.3	144.5
51	36.5	29.8	44.6
86	63.9	51.0	76.6



#25
2-Butanone
Concen: 1.56 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX001868.D
Acq: 19 May 2018 10:53

Tgt Ion:	43	Resp:	3287
Ion	Ratio	Lower	Upper
43	100		
72	25.8	19.8	29.6

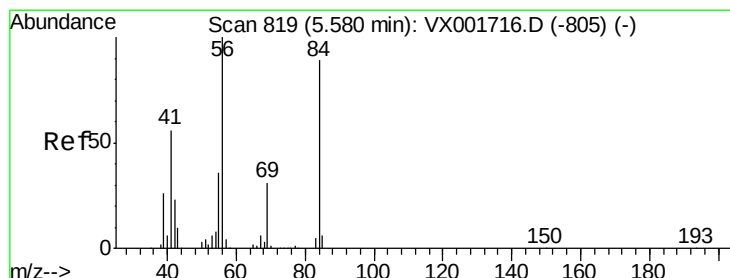
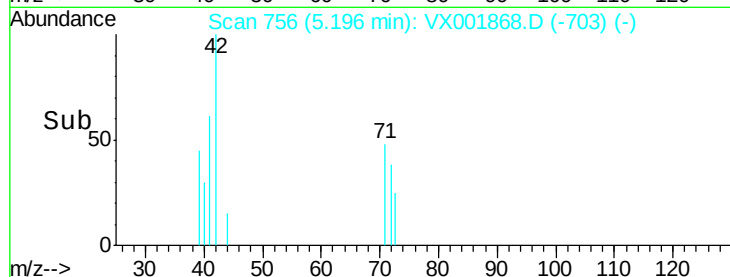
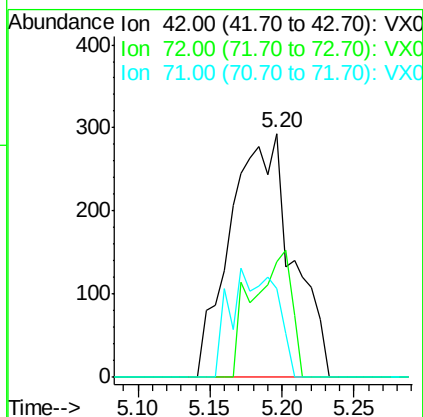
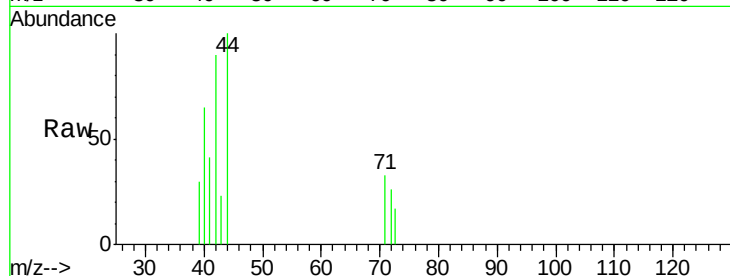




#29
Tetrahydrofuran
Concen: 0.64 ug/l
RT: 5.20 min Scan# 756
Delta R.T. 0.02 min
Lab File: VX001868.D
Acq: 19 May 2018 10:53

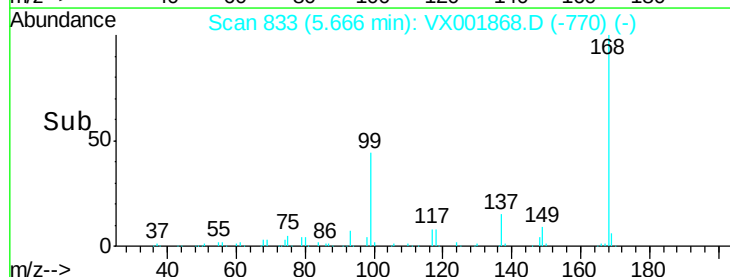
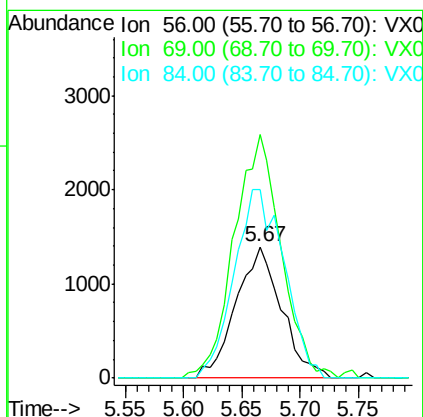
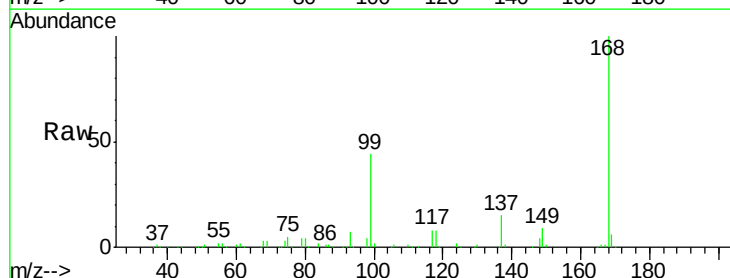
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#19

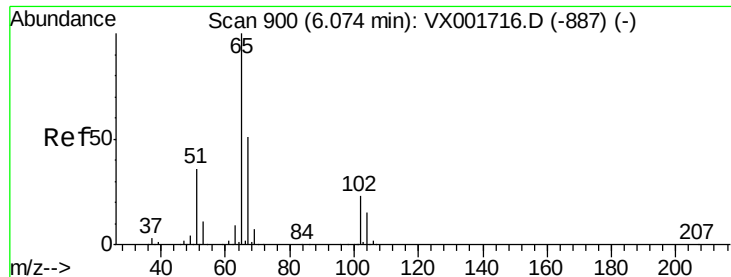
Tgt Ion: 42 Resp: 876
Ion Ratio Lower Upper
42 100
72 32.6 35.4 53.2#
71 0.0 33.2 49.8#



#31
Cyclohexane
Concen: 0.87 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX001868.D
Acq: 19 May 2018 10:53

Tgt Ion: 56 Resp: 3804
Ion Ratio Lower Upper
56 100
69 185.1 25.0 37.6#
84 143.0 71.0 106.4#

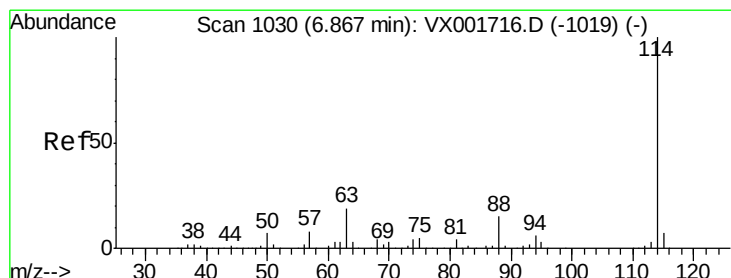
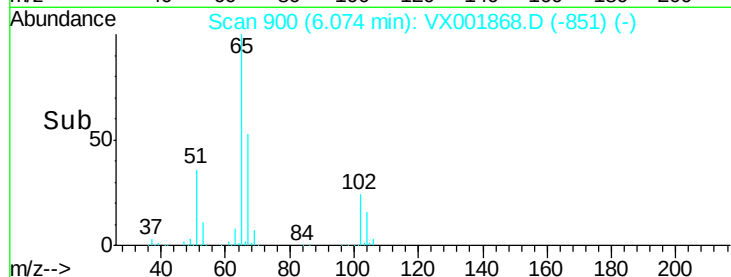
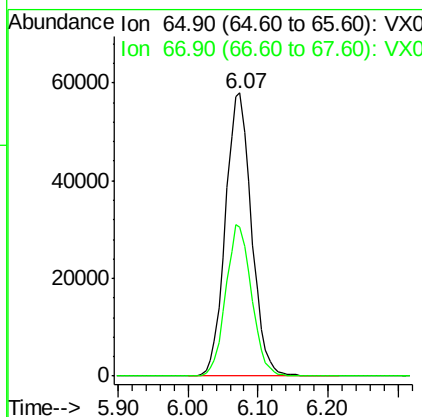
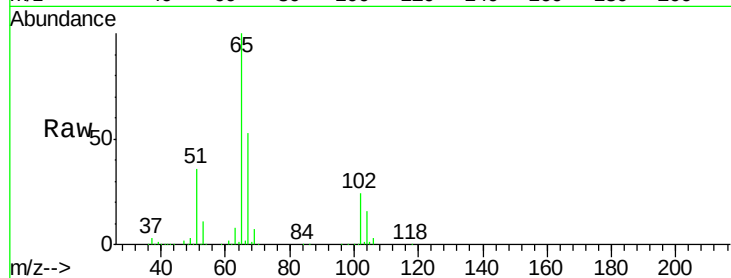




#33
 1,2-Dichloroethane-d4
 Concen: 42.92 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001868.D
 Acq: 19 May 2018 10:53

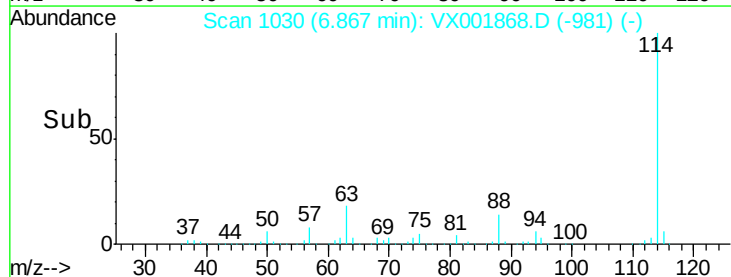
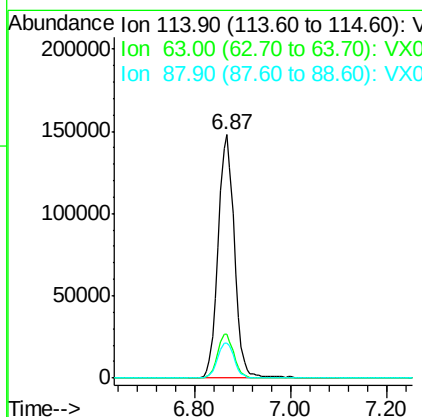
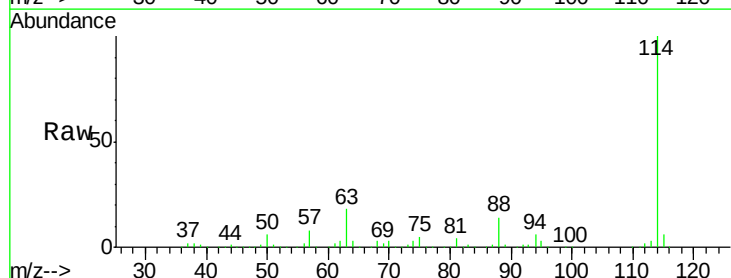
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109413ZHE#19

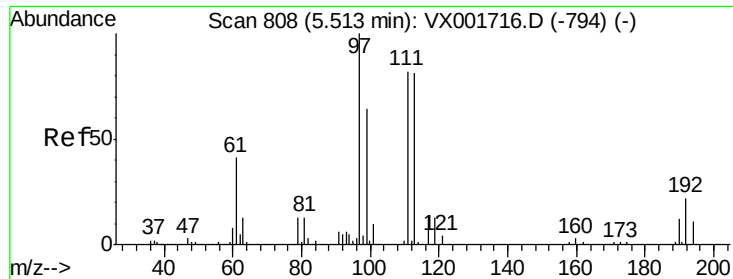
Tgt Ion: 65 Resp: 150120
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001868.D
 Acq: 19 May 2018 10:53

Tgt Ion: 114 Resp: 349502
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 37.0
 88 14.2 0.0 29.8





#35

Dibromofluoromethane

Concen: 44.54 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001868.D

Acq: 19 May 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#19

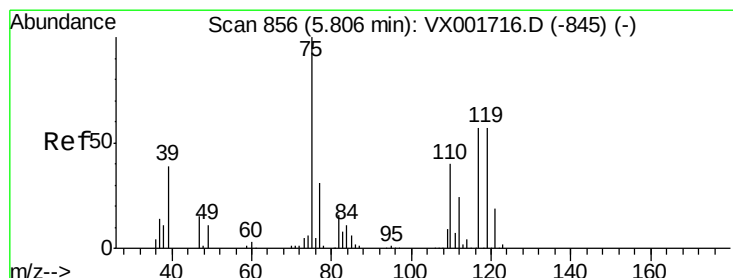
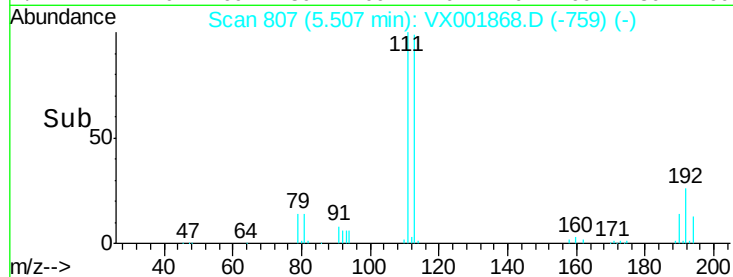
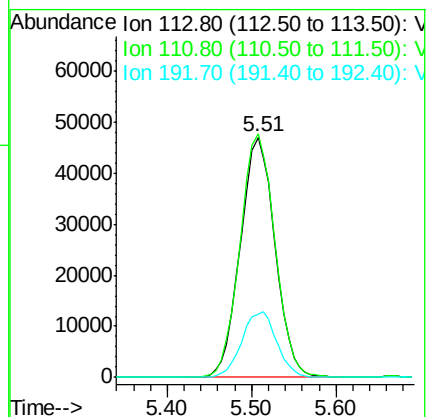
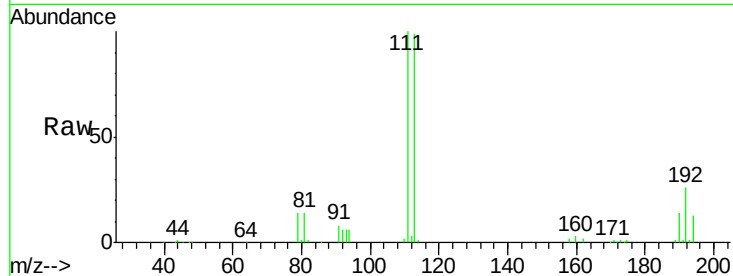
Tgt Ion:113 Resp: 131355

Ion Ratio Lower Upper

113 100

111 102.2 82.0 123.0

192 27.6 21.6 32.4



#36

1,1-Dichloropropene

Concen: 3.60 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.15 min

Lab File: VX001868.D

Acq: 19 May 2018 10:53

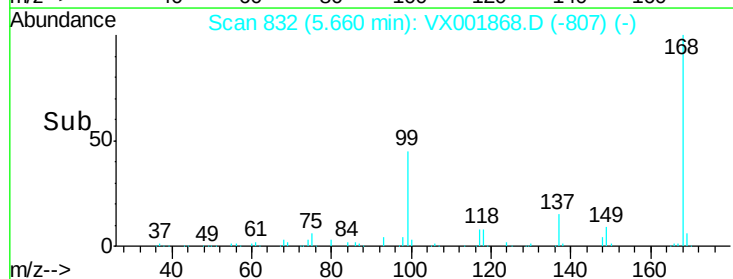
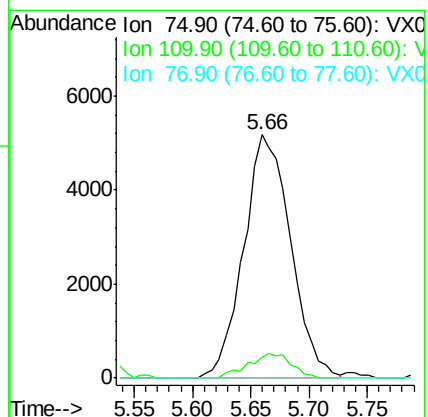
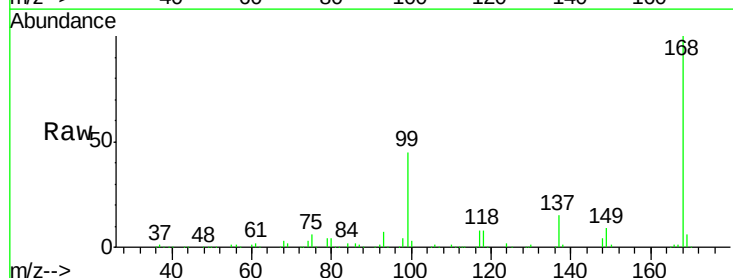
Tgt Ion: 75 Resp: 14485

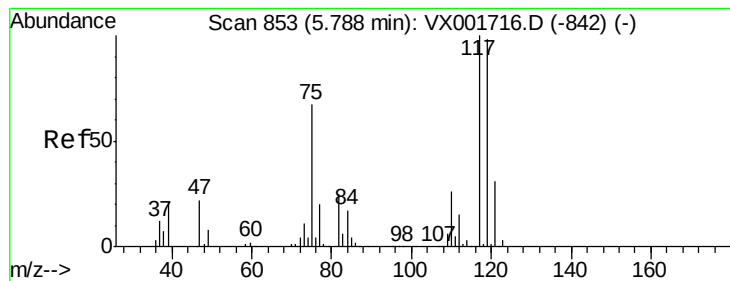
Ion Ratio Lower Upper

75 100

110 9.3 19.1 57.1#

77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 4.98 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001868.D

Acq: 19 May 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#19

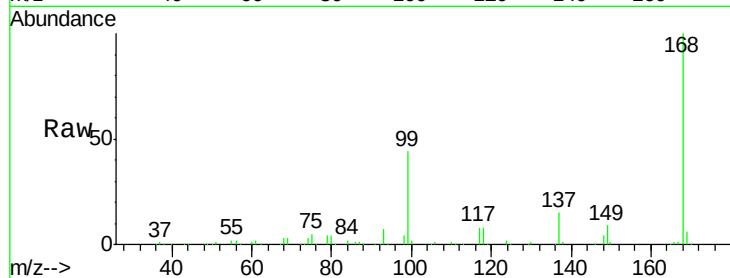
Tgt Ion: 117 Resp: 20970

Ion Ratio Lower Upper

117 100

119 5.2 77.6 116.4#

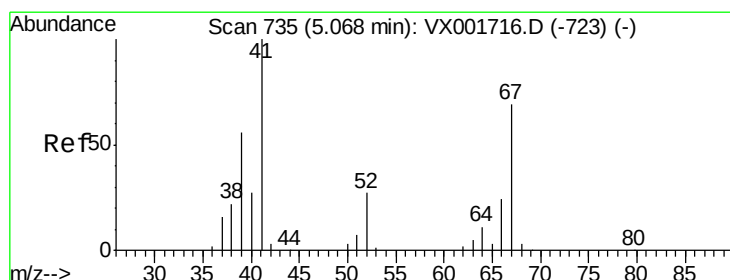
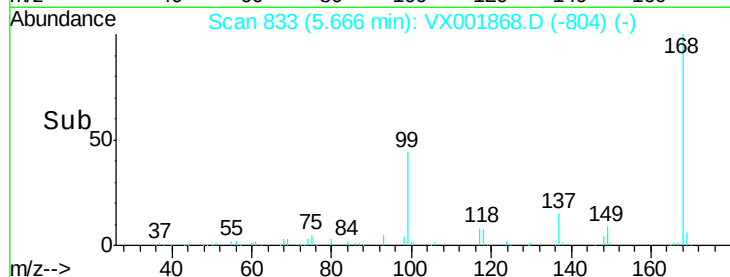
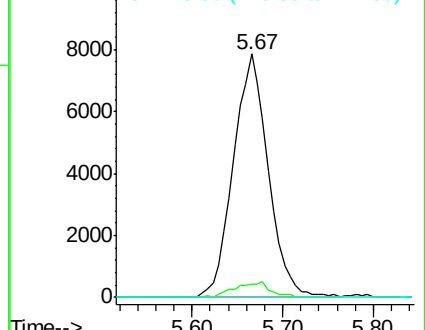
121 0.0 24.6 36.8#



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



#41

Methacrylonitrile

Concen: 0.27 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.12 min

Lab File: VX001868.D

Acq: 19 May 2018 10:53

Tgt Ion: 41 Resp: 656

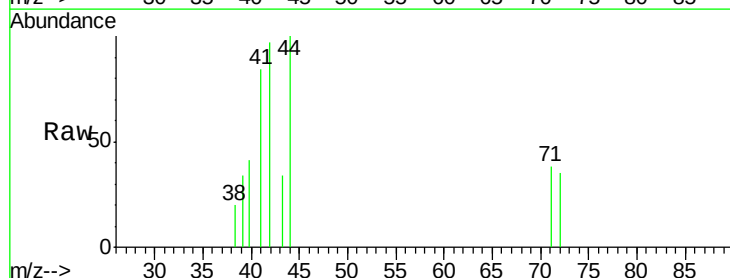
Ion Ratio Lower Upper

41 100

39 54.7 44.2 66.4

67 0.0 56.0 84.0#

52 0.0 22.6 33.8#

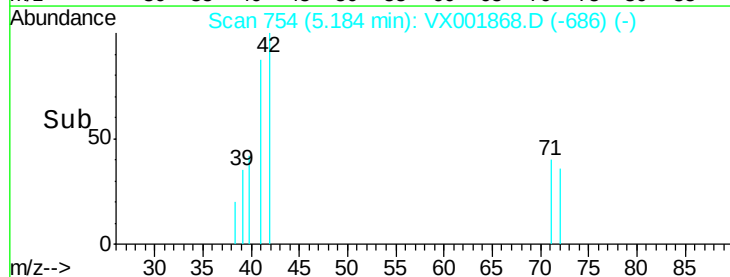
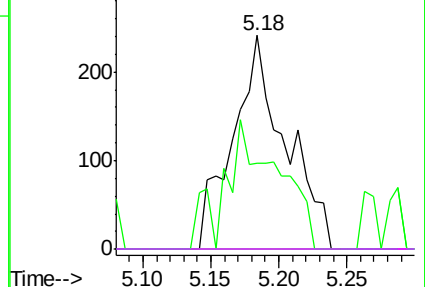


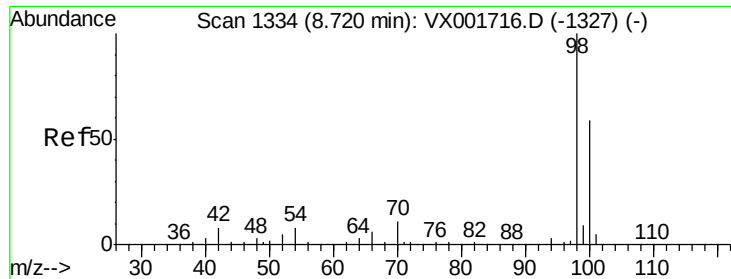
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

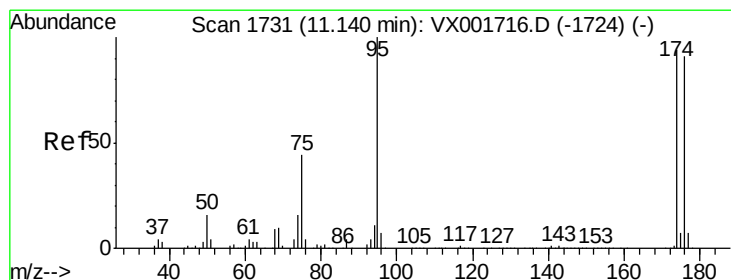
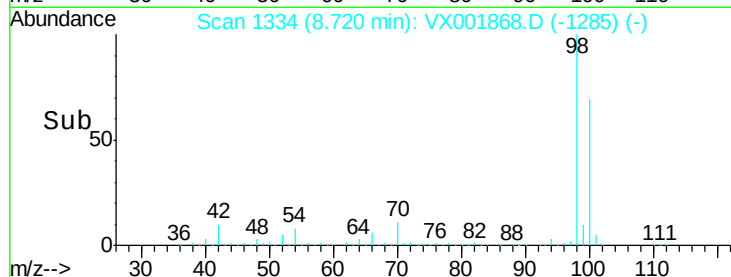
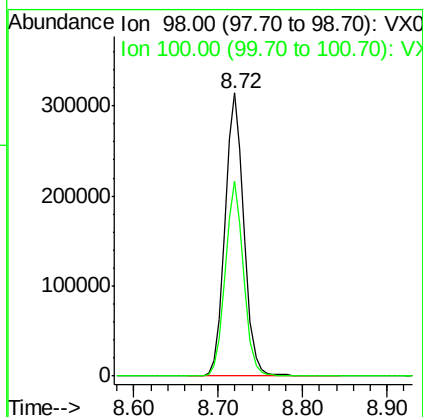
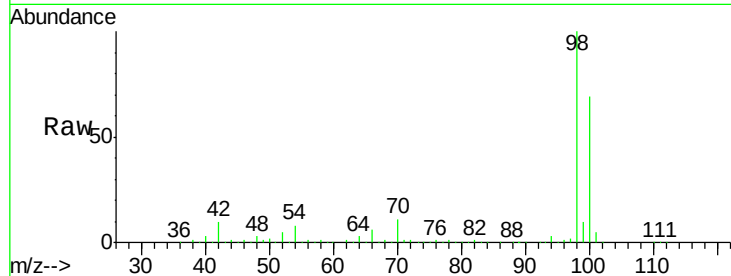




#50
Toluene-d8
Concen: 45.77 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001868.D
Acq: 19 May 2018 10:53

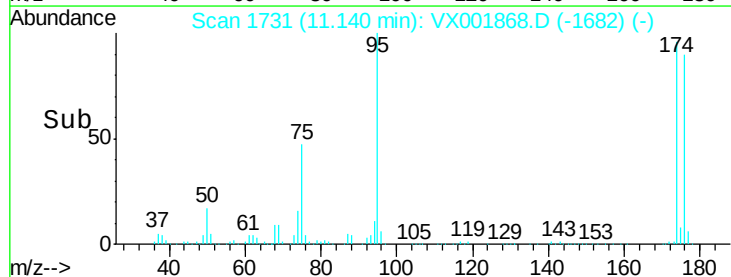
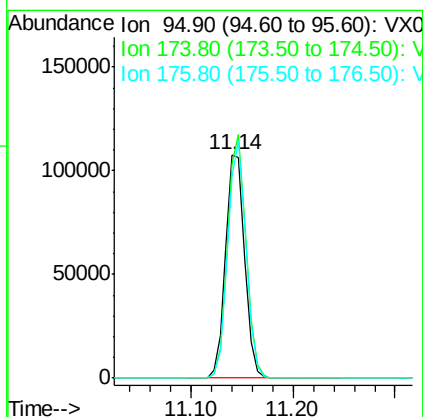
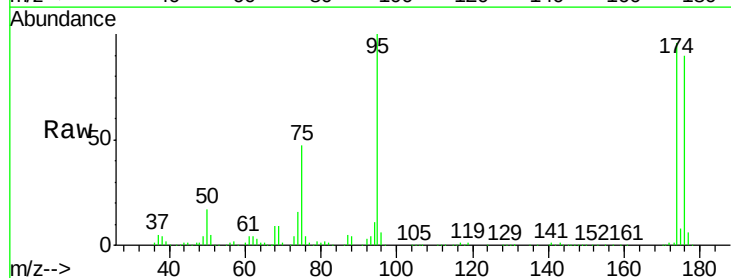
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#19

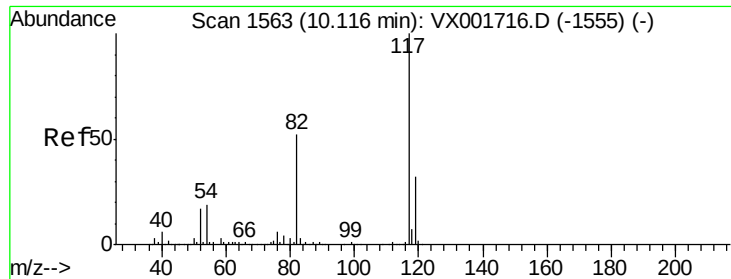
Tgt Ion: 98 Resp: 483493
Ion Ratio Lower Upper
98 100
100 67.2 54.0 81.0



#62
4-Bromofluorobenzene
Concen: 36.72 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001868.D
Acq: 19 May 2018 10:53

Tgt Ion: 95 Resp: 139644
Ion Ratio Lower Upper
95 100
174 104.9 0.0 201.8
176 100.4 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: VX001868.D

Acq: 19 May 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#19

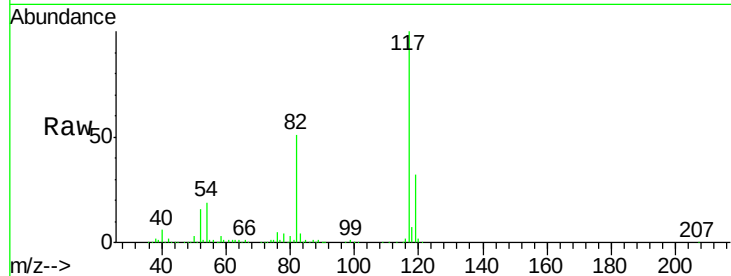
Tgt Ion:117 Resp: 268942

Ion Ratio Lower Upper

117 100

82 50.9 41.4 62.2

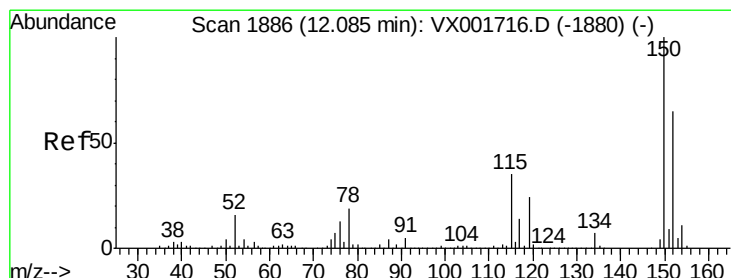
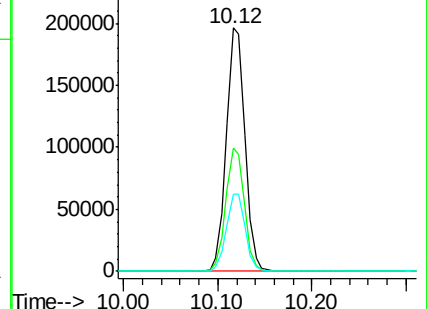
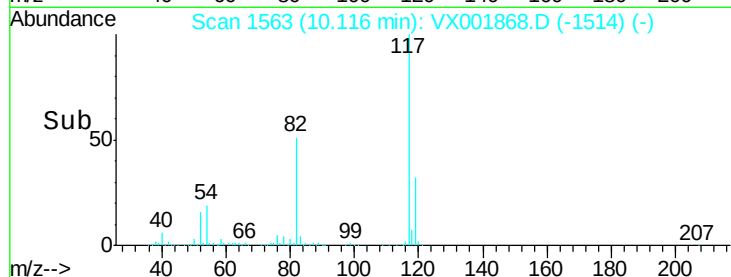
119 31.6 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

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: VX001868.D

Acq: 19 May 2018 10:53

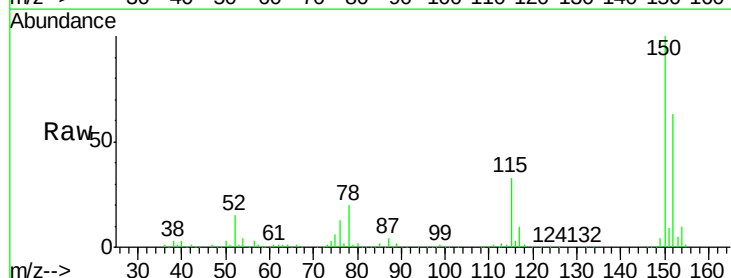
Tgt Ion:152 Resp: 150664

Ion Ratio Lower Upper

152 100

115 51.9 37.4 112.2

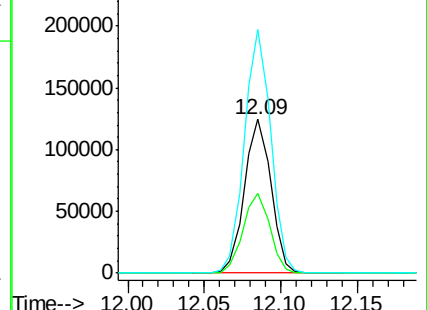
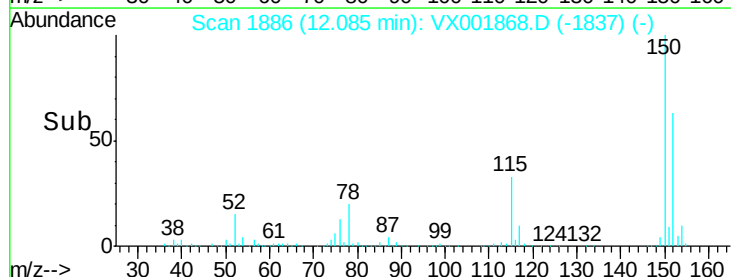
150 156.3 0.0 344.8

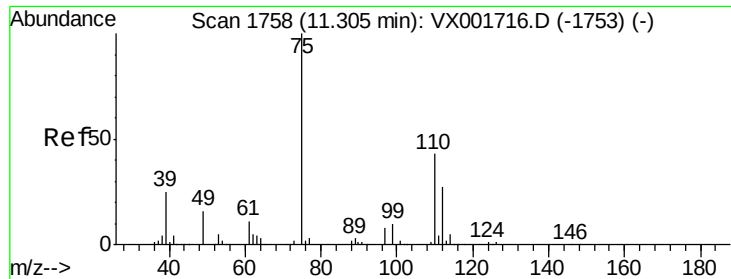


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.54 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001868.D

Acq: 19 May 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

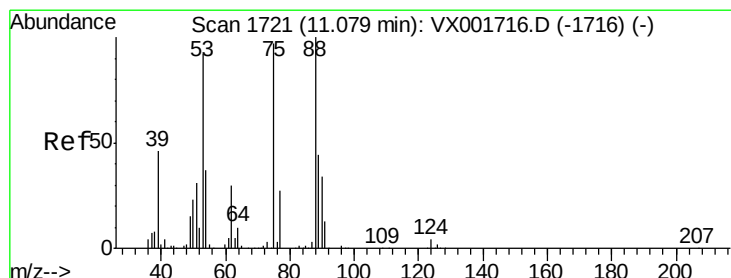
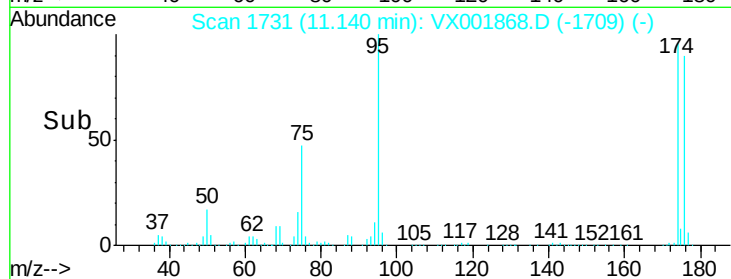
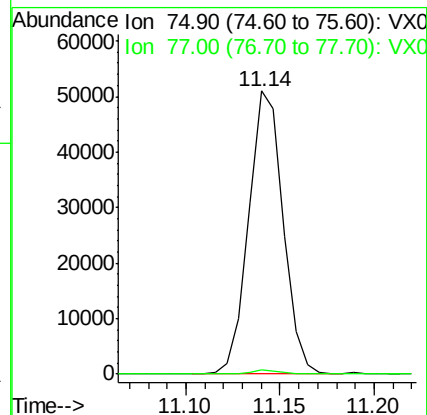
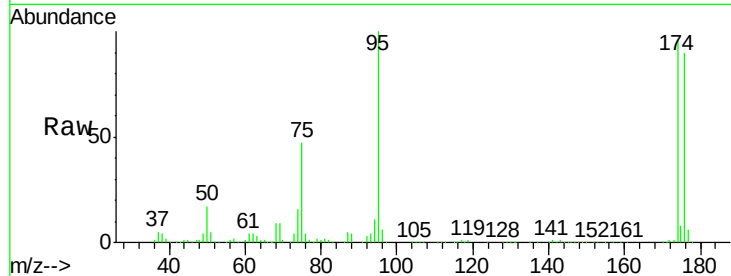
PB109413ZHE#19

Tgt Ion: 75 Resp: 64584

Ion Ratio Lower Upper

75 100

77 1.4 18.9 56.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.04 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001868.D

Acq: 19 May 2018 10:53

Tgt Ion: 75 Resp: 64584

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.2#

89 0.0 38.8 58.2#

