

Data File : VX001148.D
Acq On : 27 Apr 2018 02:49
Operator : JC/MD
Sample : PB108612ZHE#15 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#15

Quant Time: Apr 27 07:21:08 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 27 01:51:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	215331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	300262	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	263893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	144599	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	138906	41.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.24%	
35) Dibromofluoromethane	5.51	113	107744	43.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.70%	
50) Toluene-d8	8.72	98	416553	44.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.82%	
62) 4-Bromofluorobenzene	11.14	95	141066	38.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.00%	

Target Compounds				Qvalue		
5) Bromomethane	1.66	94	386	Below Cal		97
10) Methyl Iodide	2.53	142	348	7.37 ug/l #		88
13) Acrolein	2.30	56	213	0.86 ug/l #		14
15) Acrylonitrile	3.17	53	413	0.29 ug/l #		63
16) Acetone	2.45	43	3744	2.73 ug/l		91
18) Methyl Acetate	2.78	43	4973	1.45 ug/l		94
20) Methylene Chloride	2.87	84	1510	0.59 ug/l		87
25) 2-Butanone	4.73	43	1125	0.55 ug/l		95
29) Tetrahydrofuran	5.19	42	789	0.60 ug/l #		34
36) 1,1-Dichloropropene	5.67	75	13768	4.16 ug/l #		48
38) Carbon Tetrachloride	5.67	117	18778	5.53 ug/l #		16
54) cis-1,3-Dichloropropene	9.06	75	49	3.20 ug/l #		46
60) Dibromochloromethane	9.34	129	157	3.39 ug/l #		11
76) 1,2,3-Trichloropropane	11.14	75	72245	24.54 ug/l #		39
81) trans-1,4-Dichloro-2-buten	11.14	75	72245	75.12 ug/l #		6

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

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Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#15

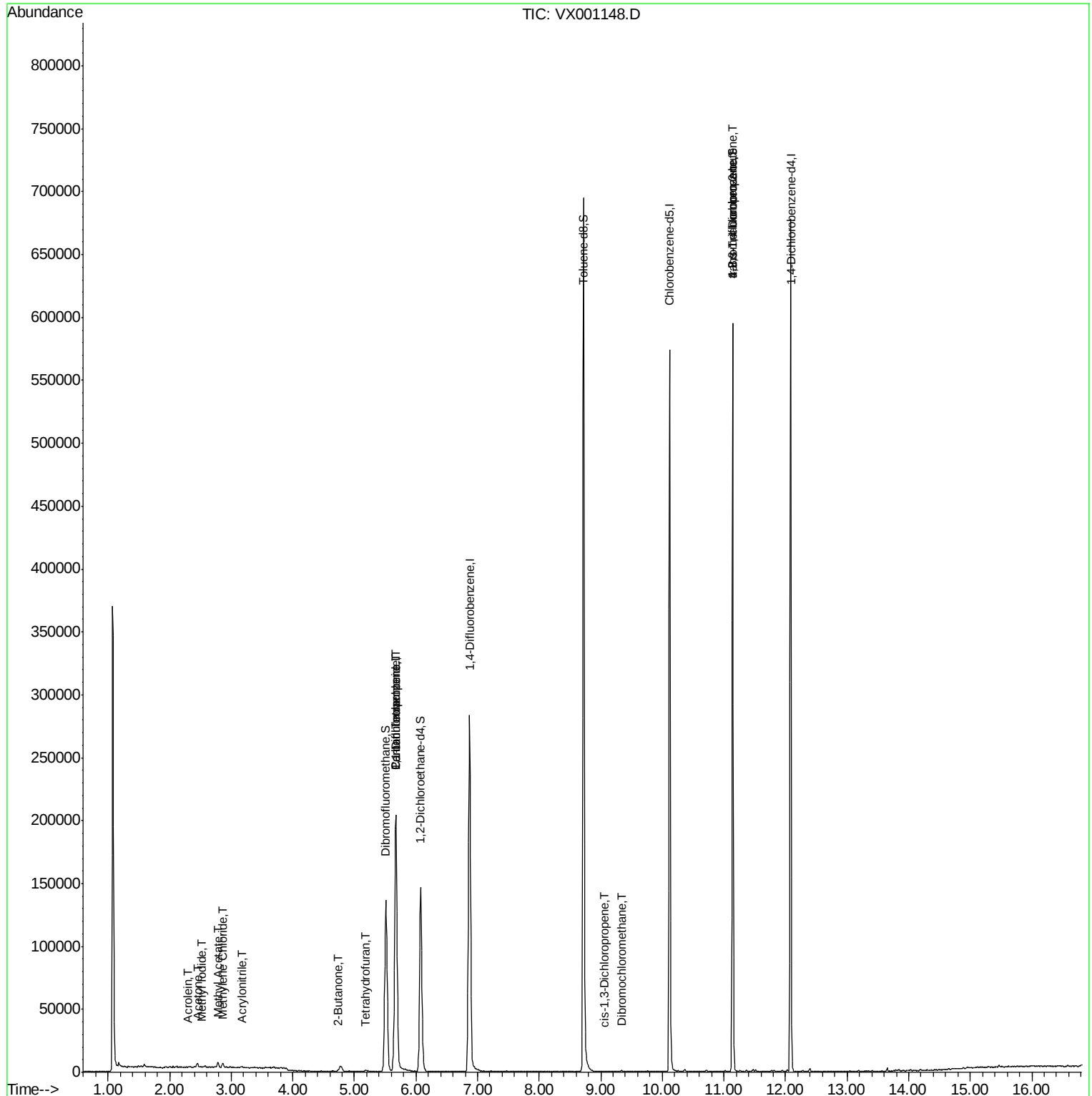
Quant Time: Apr 27 07:21:08 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M

Quant Title : SW846 8260

QLast Update : Fri Apr 27 01:51:42 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

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MSVOA_X

ClientSampleId :

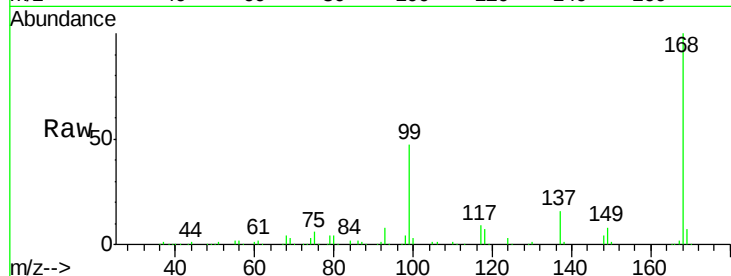
PB108612ZHE#15

Tgt Ion:168 Resp: 215331

Ion Ratio Lower Upper

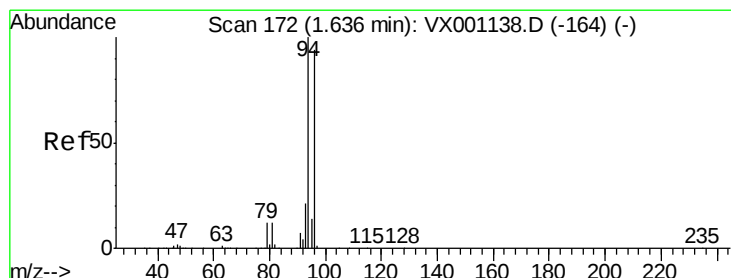
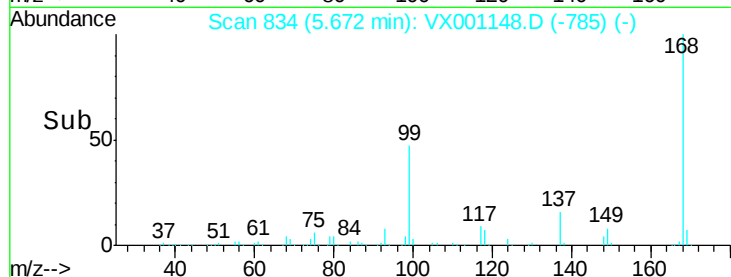
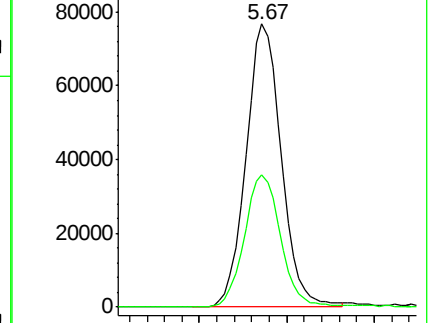
168 100

99 46.9 40.6 60.8



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. 0.03 min

Lab File: VX001148.D

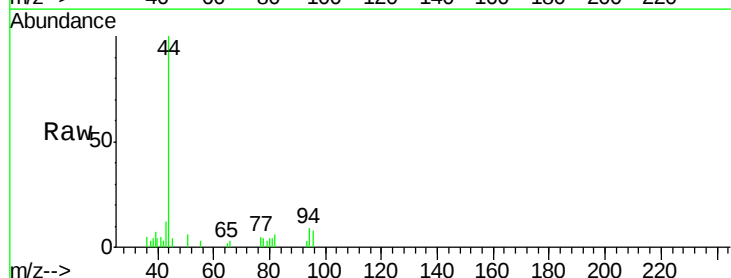
Acq: 27 Apr 2018 02:49

Tgt Ion: 94 Resp: 386

Ion Ratio Lower Upper

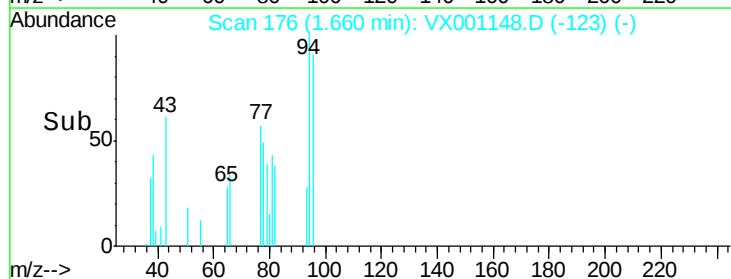
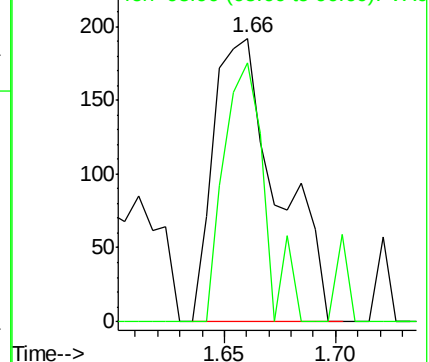
94 100

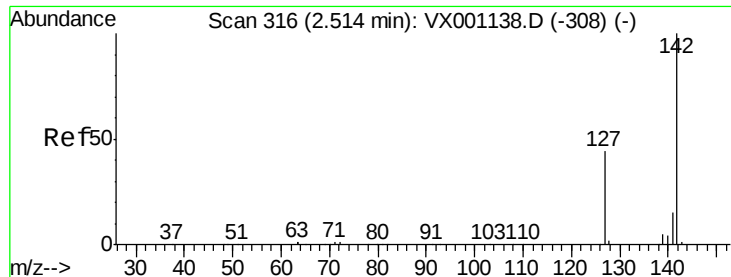
96 91.1 75.3 112.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

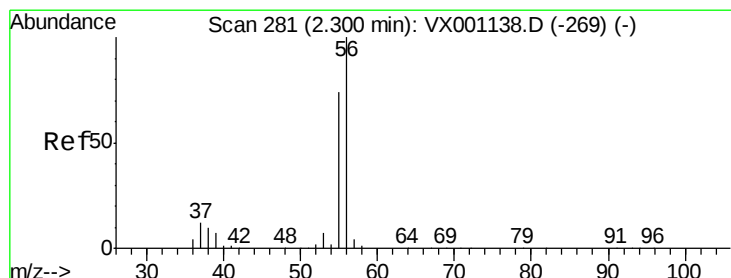
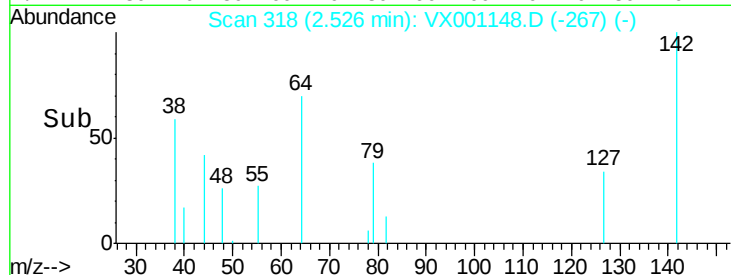
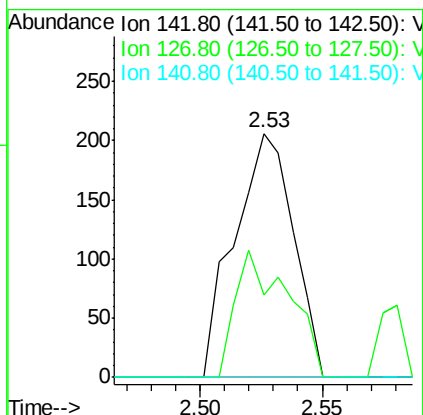
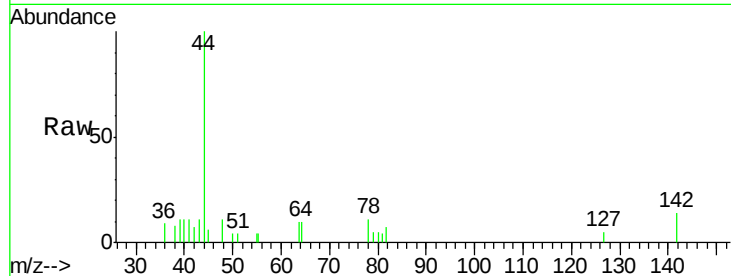




#10
Methyl Iodide
Concen: 7.37 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX001148.D
Acq: 27 Apr 2018 02:49

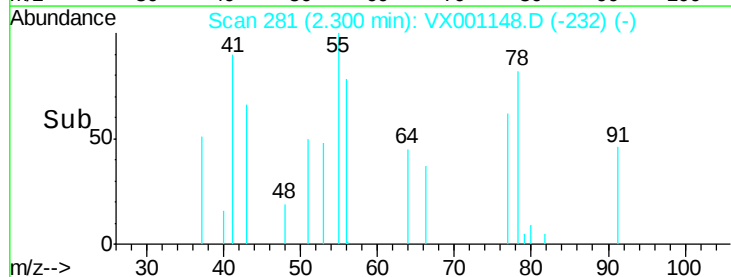
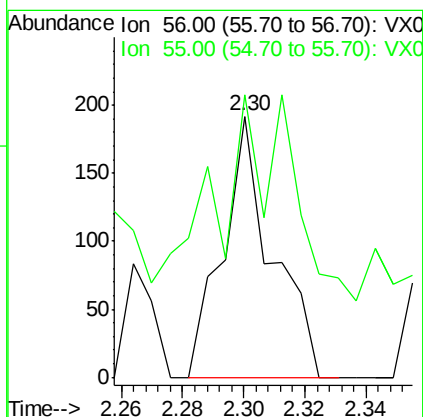
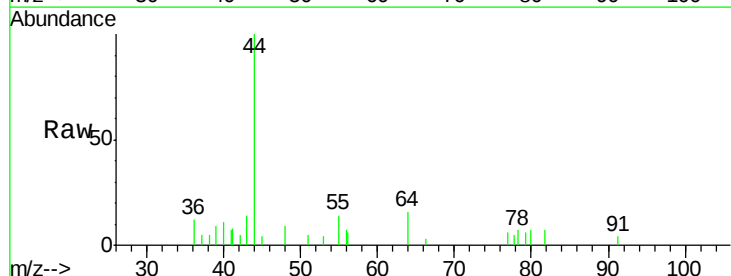
Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#15

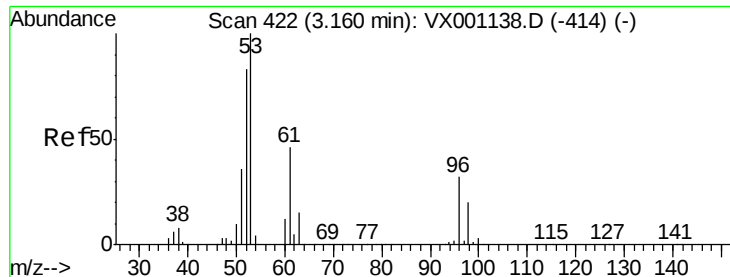
Tgt Ion: 142 Resp: 348
Ion Ratio Lower Upper
142 100
127 46.3 34.7 52.1
141 0.0 11.6 17.4#



#13
Acrolein
Concen: 0.86 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX001148.D
Acq: 27 Apr 2018 02:49

Tgt Ion: 56 Resp: 213
Ion Ratio Lower Upper
56 100
55 142.7 57.2 85.8#





#15

Acrylonitrile

Concen: 0.29 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX001148.D

Acq: 27 Apr 2018 02:49

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#15

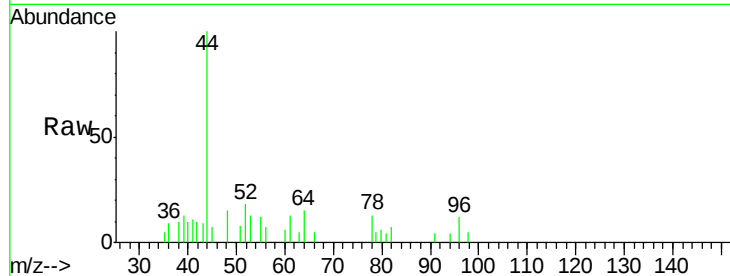
Tgt Ion: 53 Resp: 413

Ion Ratio Lower Upper

53 100

52 55.0 66.5 99.7#

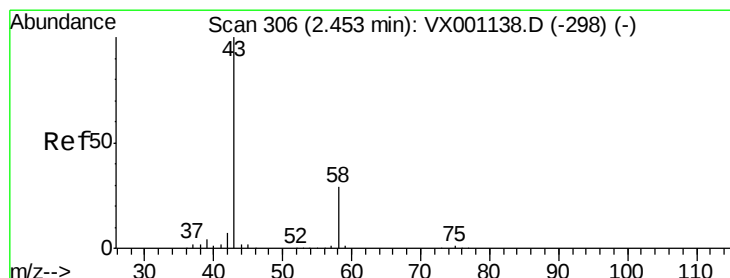
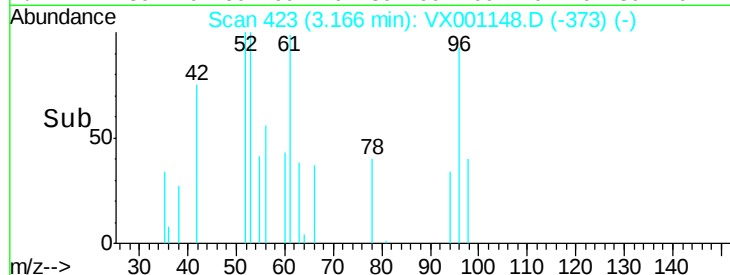
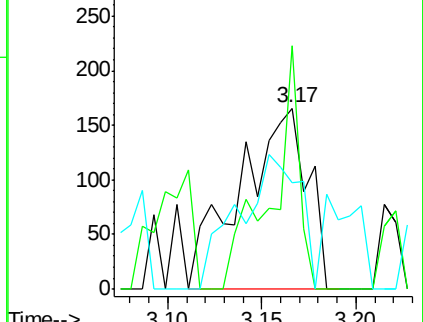
51 67.1 29.5 44.3#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 2.73 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001148.D

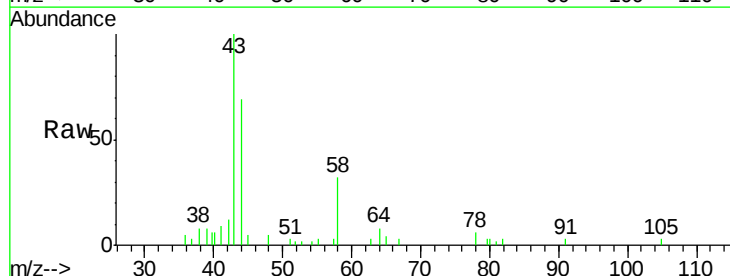
Acq: 27 Apr 2018 02:49

Tgt Ion: 43 Resp: 3744

Ion Ratio Lower Upper

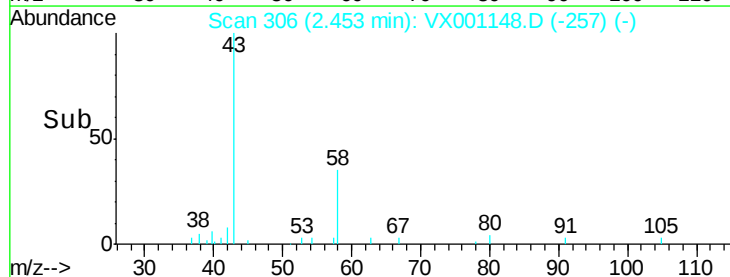
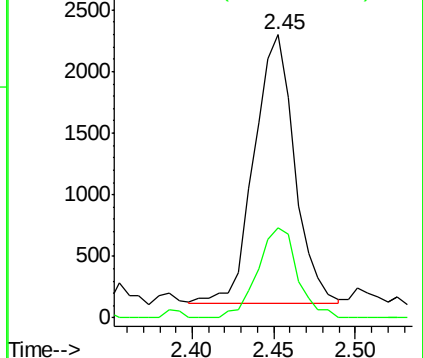
43 100

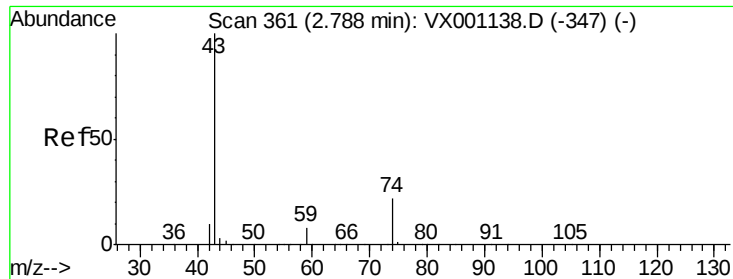
58 33.7 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

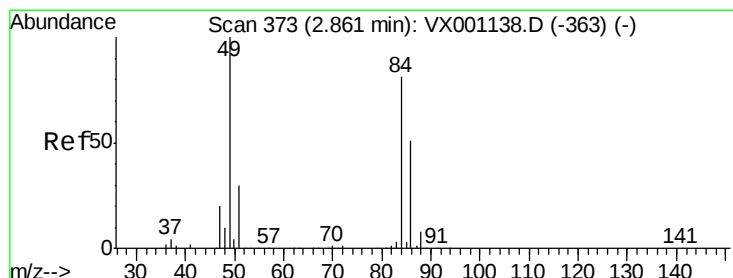
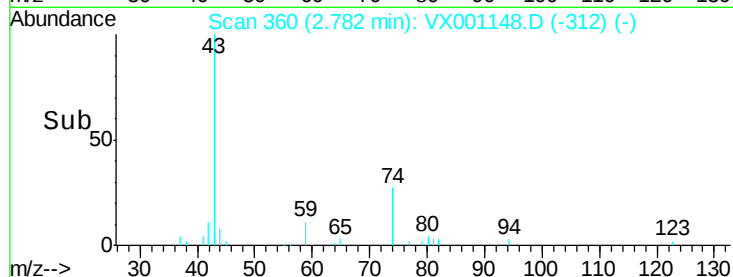
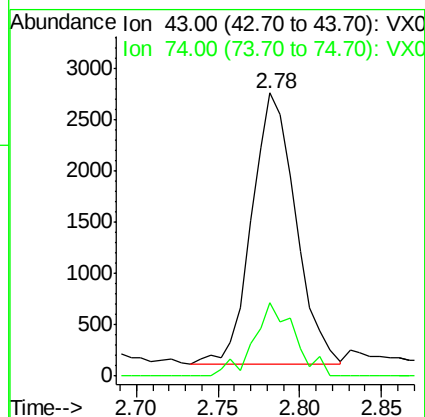
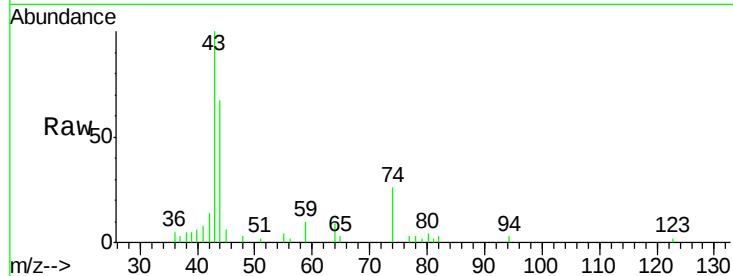




#18
Methyl Acetate
Concen: 1.45 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX001148.D
Acq: 27 Apr 2018 02:49

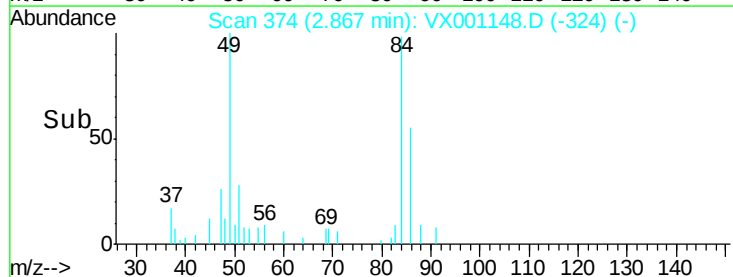
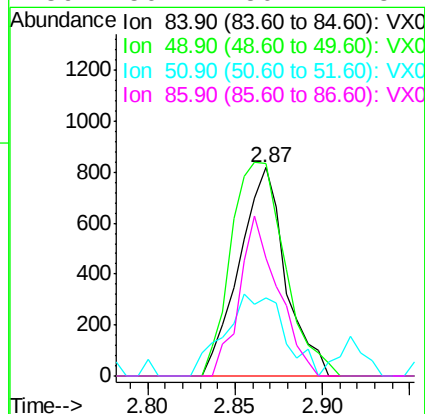
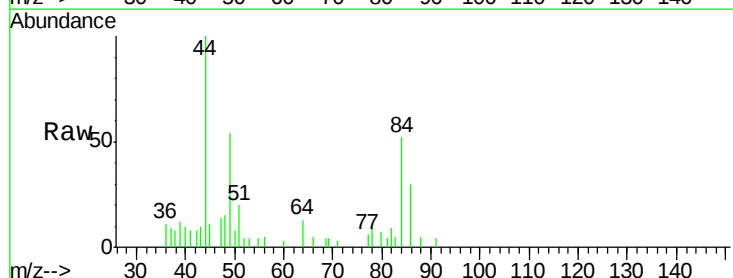
Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#15

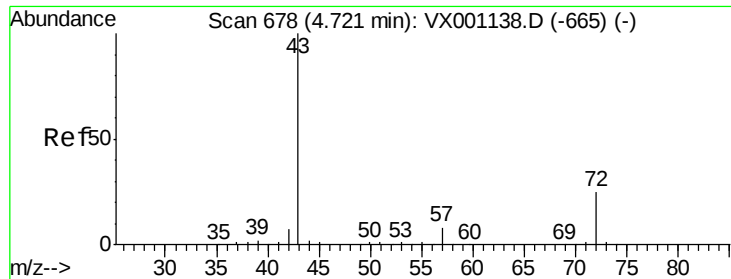
Tgt Ion: 43 Resp: 4973
Ion Ratio Lower Upper
43 100
74 25.3 18.1 27.1



#20
Methylene Chloride
Concen: 0.59 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX001148.D
Acq: 27 Apr 2018 02:49

Tgt Ion: 84 Resp: 1510
Ion Ratio Lower Upper
84 100
49 102.2 99.2 148.8
51 37.5 29.5 44.3
86 56.4 50.2 75.2





#25

2-Butanone

Concen: 0.55 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001148.D

Acq: 27 Apr 2018 02:49

Instrument :

MSVOA_X

ClientSampleId :

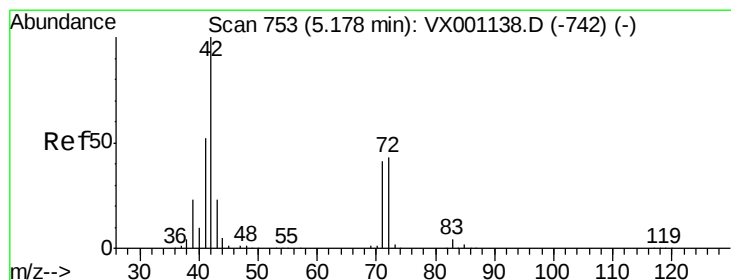
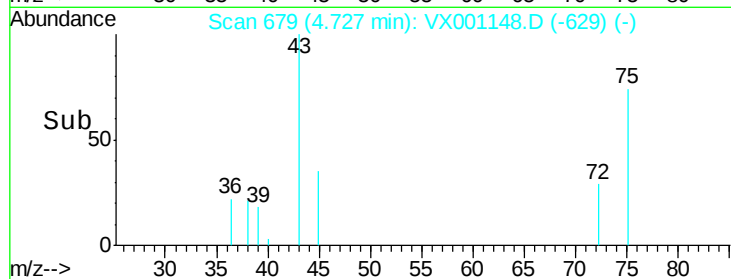
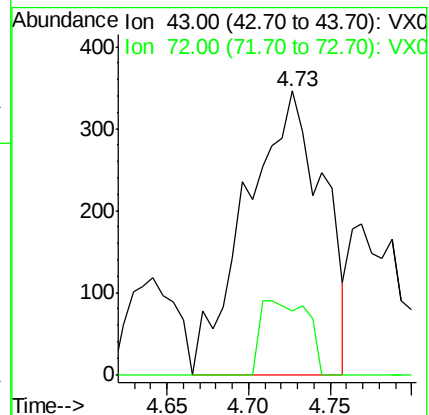
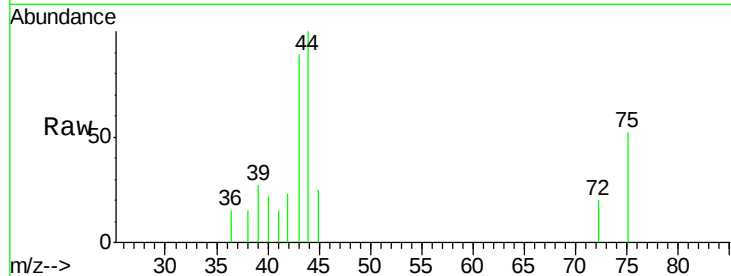
PB108612ZHE#15

Tgt Ion: 43 Resp: 1125

Ion Ratio Lower Upper

43 100

72 22.5 20.0 30.0



#29

Tetrahydrofuran

Concen: 0.60 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX001148.D

Acq: 27 Apr 2018 02:49

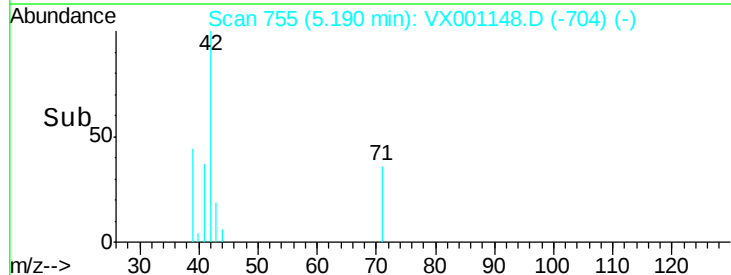
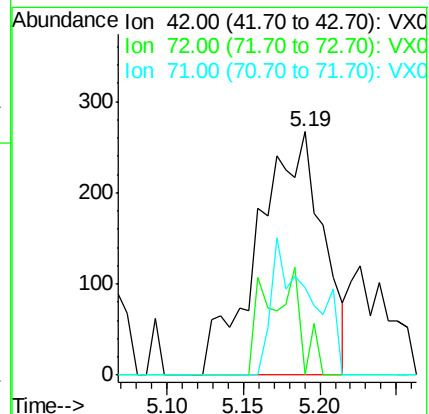
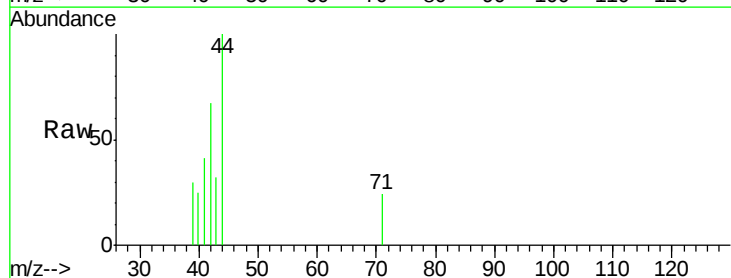
Tgt Ion: 42 Resp: 789

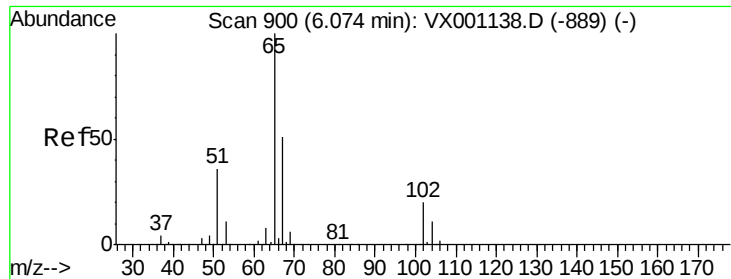
Ion Ratio Lower Upper

42 100

72 0.0 34.4 51.6#

71 0.0 32.1 48.1#





#33

1,2-Dichloroethane-d4

Concen: 41.62 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001148.D

Acq: 27 Apr 2018 02:49

Instrument :

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ClientSampleId :

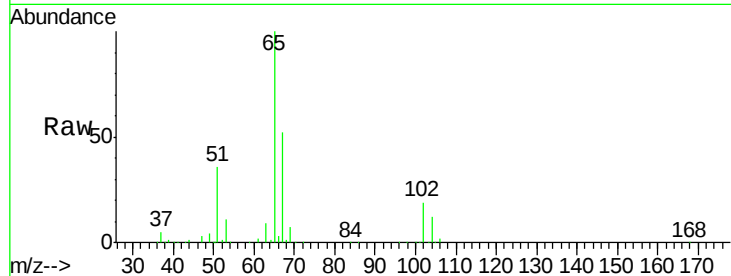
PB108612ZHE#15

Tgt Ion: 65 Resp: 138906

Ion Ratio Lower Upper

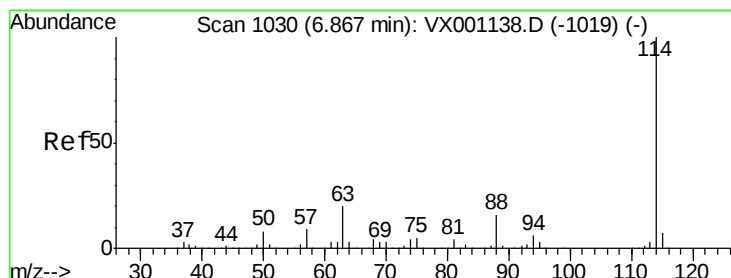
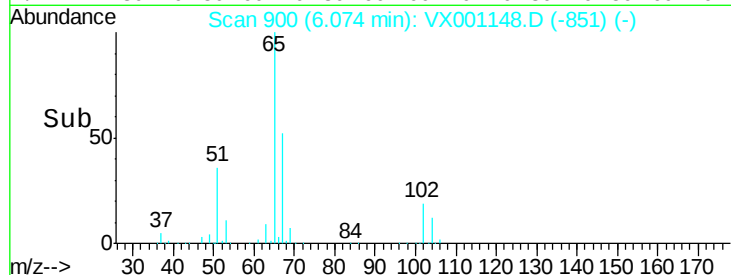
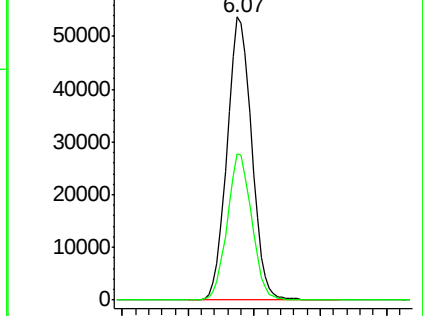
65 100

67 51.5 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001148.D

Acq: 27 Apr 2018 02:49

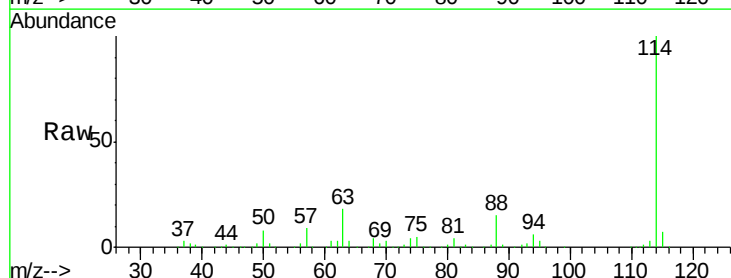
Tgt Ion: 114 Resp: 300262

Ion Ratio Lower Upper

114 100

63 18.4 0.0 40.4

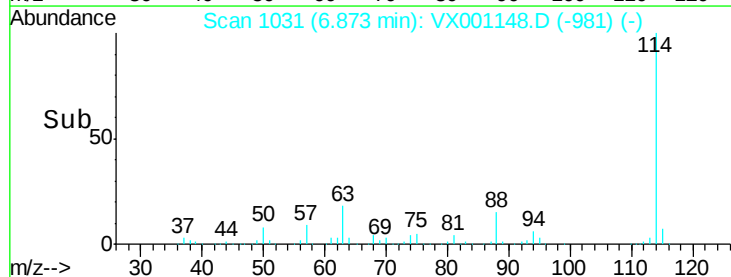
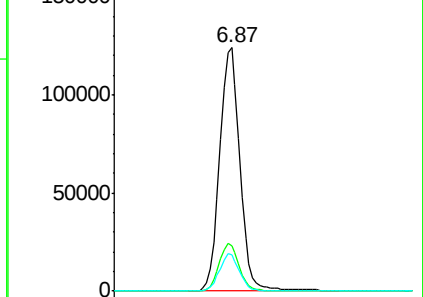
88 14.9 0.0 31.8

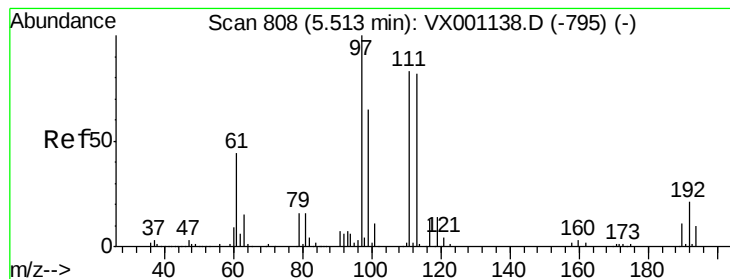


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 43.35 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001148.D

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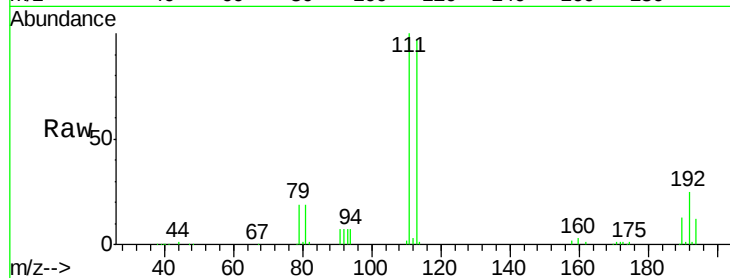
Tgt Ion:113 Resp: 107744

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

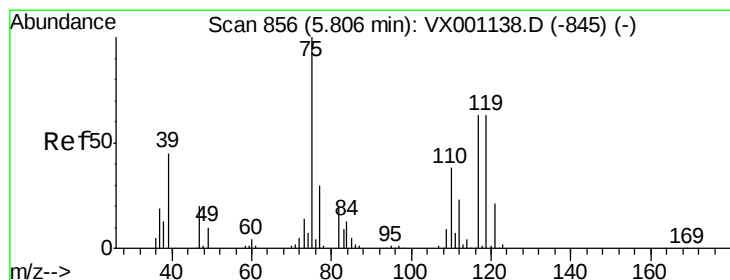
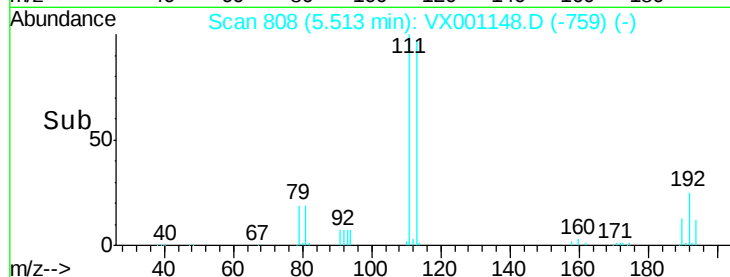
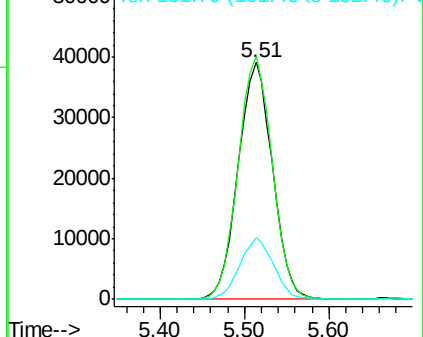
192 25.5 20.6 30.8



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: 4.16 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001148.D

Acq: 27 Apr 2018 02:49

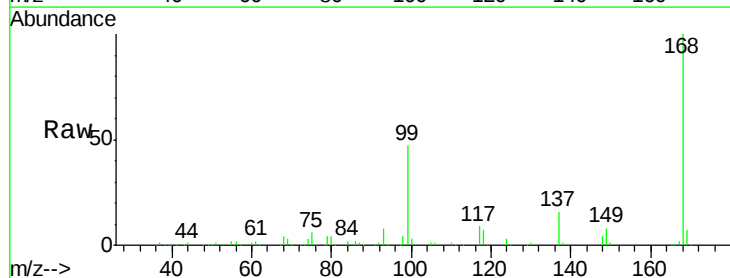
Tgt Ion: 75 Resp: 13768

Ion Ratio Lower Upper

75 100

110 9.1 19.0 57.0#

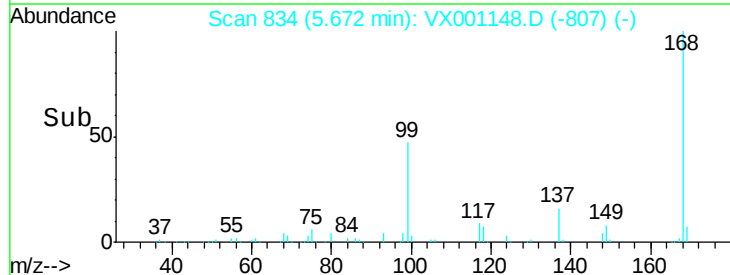
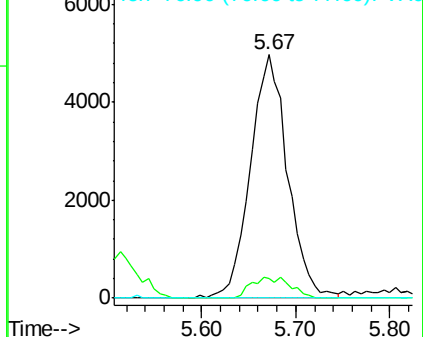
77 0.0 24.8 37.2#

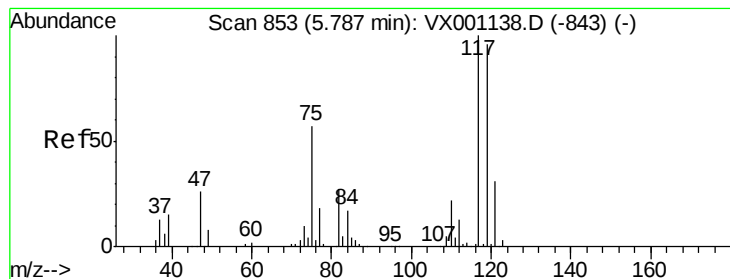


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.53 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001148.D

Acq: 27 Apr 2018 02:49

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#15

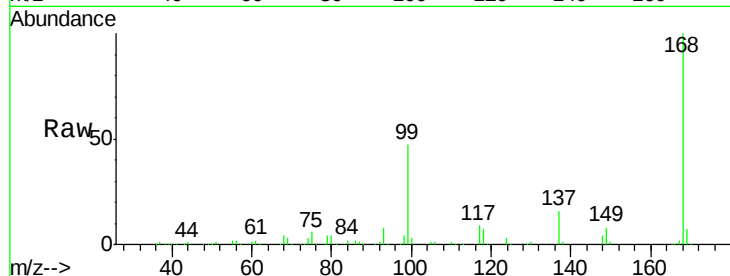
Tgt Ion: 117 Resp: 18778

Ion Ratio Lower Upper

117 100

119 4.9 76.5 114.7#

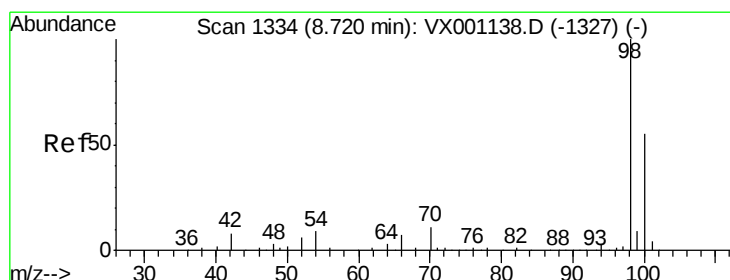
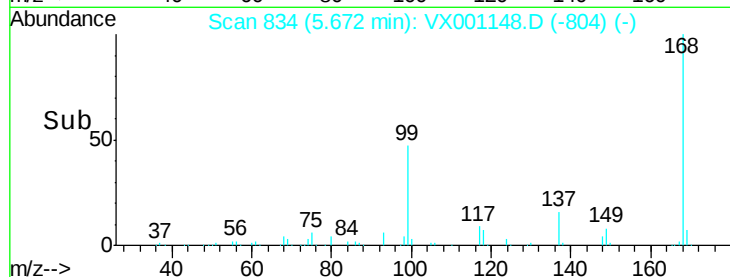
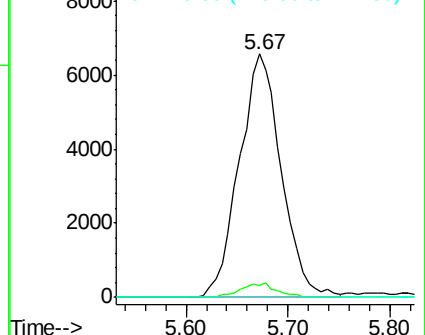
121 0.0 24.6 37.0#



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



#50

Toluene-d8

Concen: 44.41 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001148.D

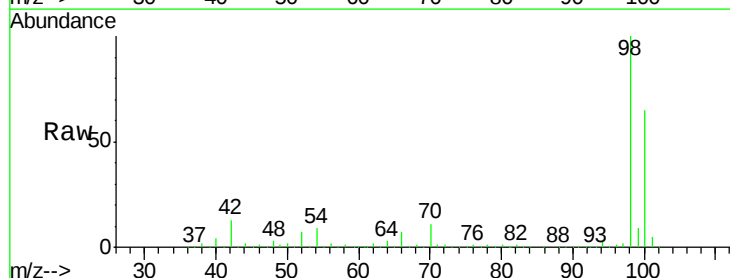
Acq: 27 Apr 2018 02:49

Tgt Ion: 98 Resp: 416553

Ion Ratio Lower Upper

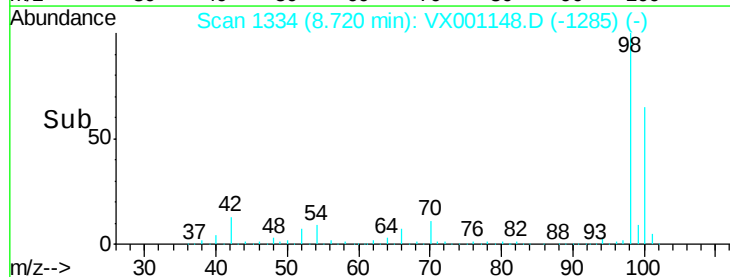
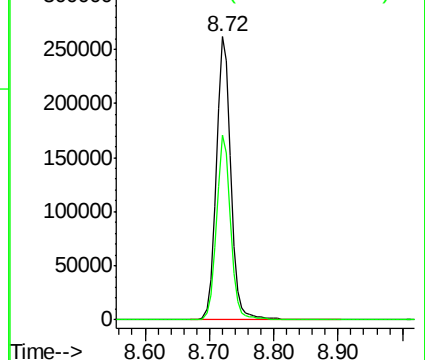
98 100

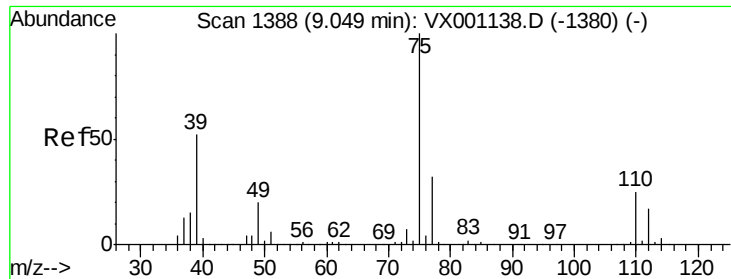
100 63.7 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

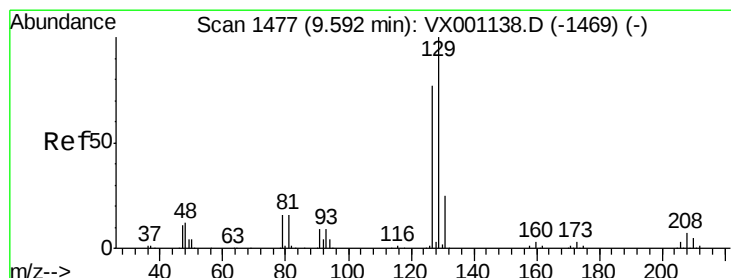
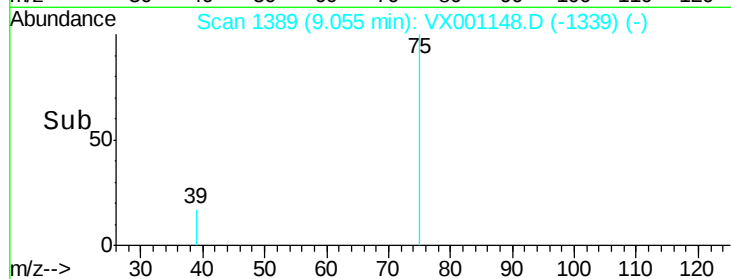
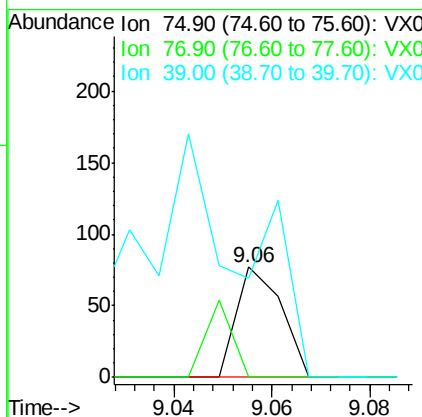
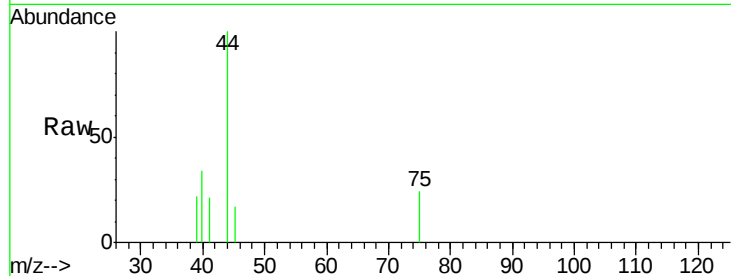




#54
 cis-1,3-Dichloropropene
 Concen: 3.20 ug/l
 RT: 9.06 min Scan# 1389
 Delta R.T. 0.01 min
 Lab File: VX001148.D
 Acq: 27 Apr 2018 02:49

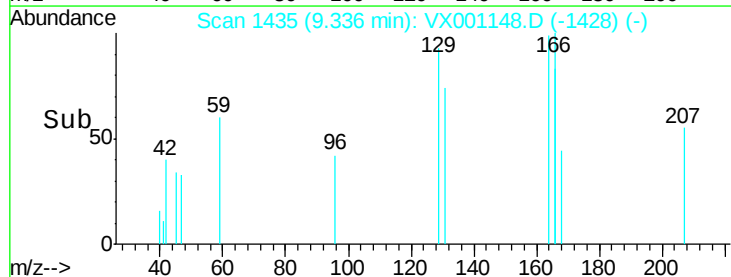
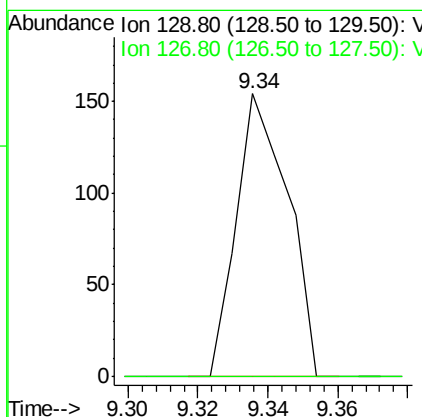
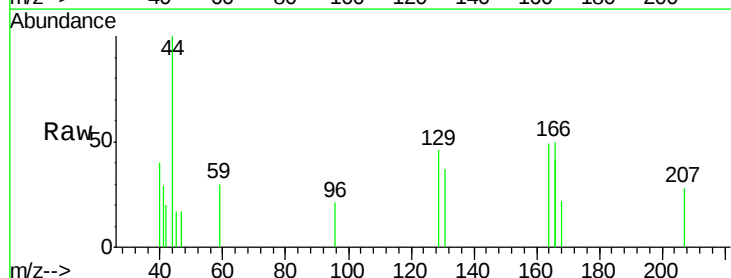
Instrument :
 MSVOA_X
 ClientSampleId :
 PB108612ZHE#15

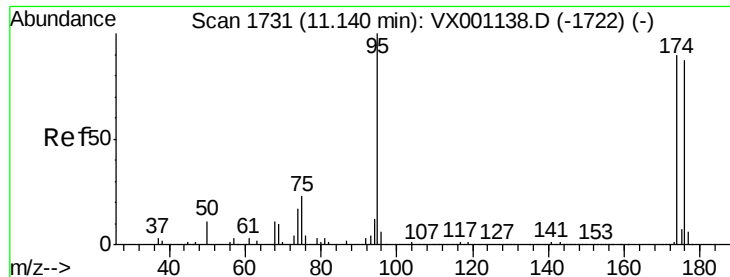
Tgt Ion: 75 Resp: 49
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#
 39 89.6 42.0 63.0#



#60
 Dibromochloromethane
 Concen: 3.39 ug/l
 RT: 9.34 min Scan# 1435
 Delta R.T. -0.26 min
 Lab File: VX001148.D
 Acq: 27 Apr 2018 02:49

Tgt Ion: 129 Resp: 157
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.4 115.2#





#62

4-Bromofluorobenzene

Concen: 38.50 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001148.D

Acq: 27 Apr 2018 02:49

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#15

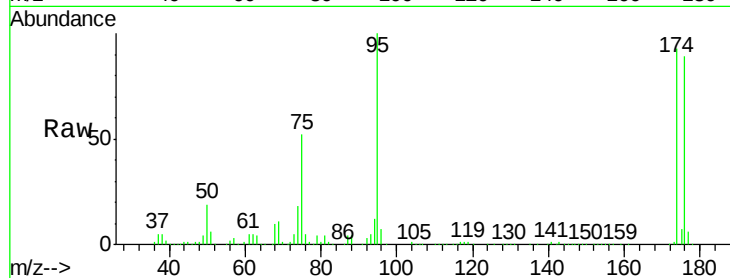
Tgt Ion: 95 Resp: 141066

Ion Ratio Lower Upper

95 100

174 100.2 0.0 194.4

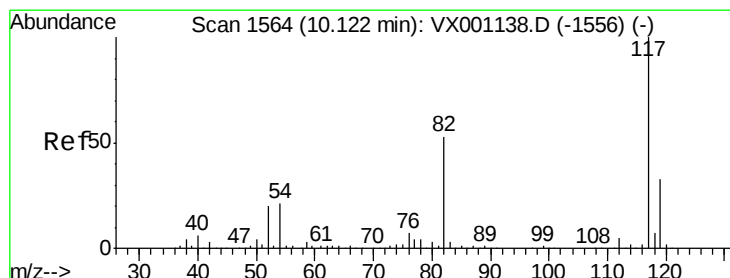
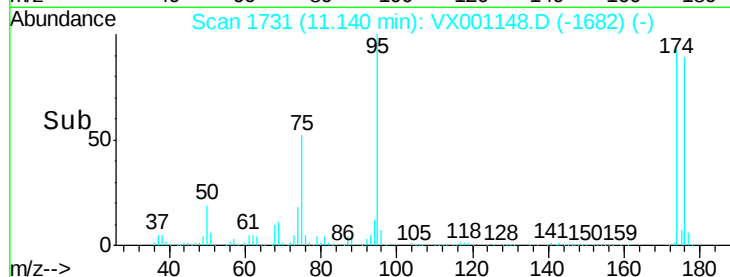
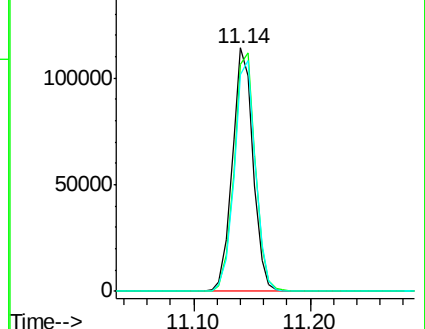
176 97.0 0.0 190.2



Abundance Ion 94.90 (94.60 to 95.60): VX001138.D (-1722) (-)

Ion 173.80 (173.50 to 174.50): VX001138.D (-1722) (-)

Ion 175.80 (175.50 to 176.50): VX001138.D (-1722) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VX001148.D

Acq: 27 Apr 2018 02:49

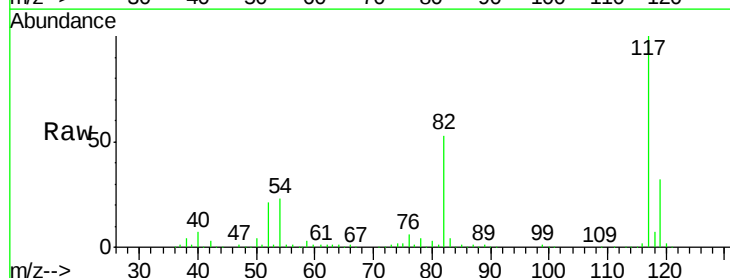
Tgt Ion: 117 Resp: 263893

Ion Ratio Lower Upper

117 100

82 53.2 42.1 63.1

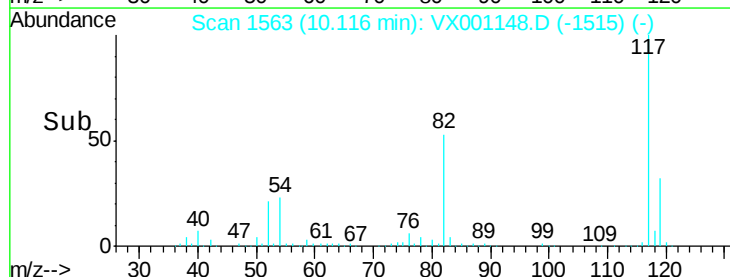
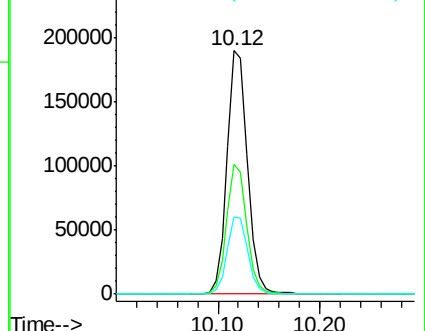
119 31.7 26.1 39.1

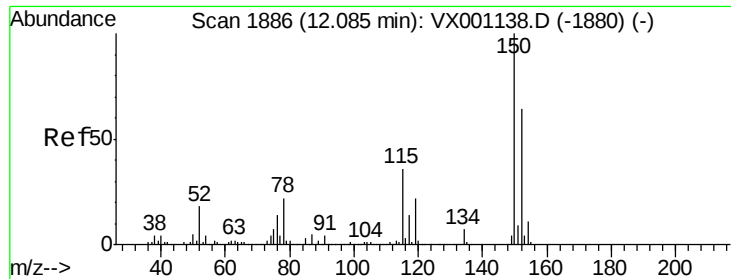


Abundance Ion 116.90 (116.60 to 117.60): VX001138.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX001138.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX001138.D (-1556) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001148.D

Acq: 27 Apr 2018 02:49

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#15

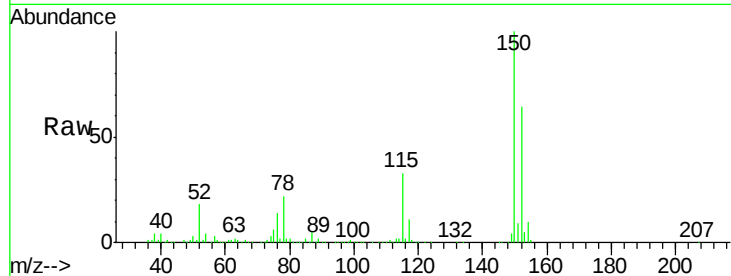
Tgt Ion:152 Resp: 144599

Ion Ratio Lower Upper

152 100

115 52.8 38.0 114.0

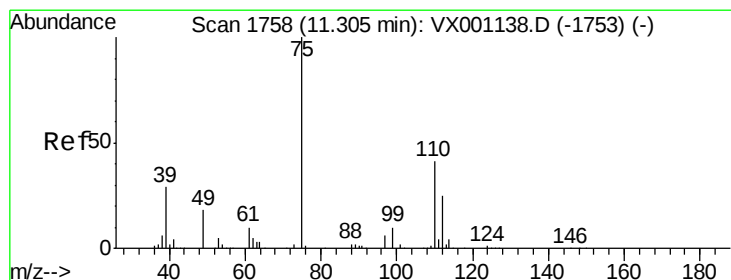
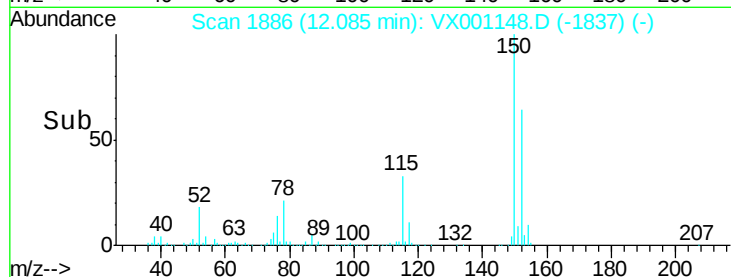
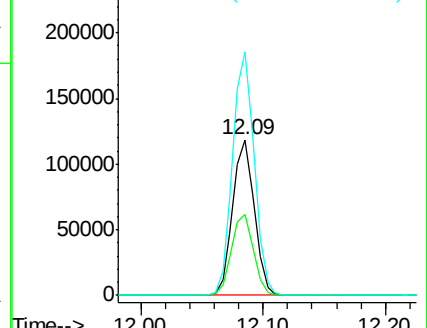
150 155.6 0.0 349.6



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: 24.54 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001148.D

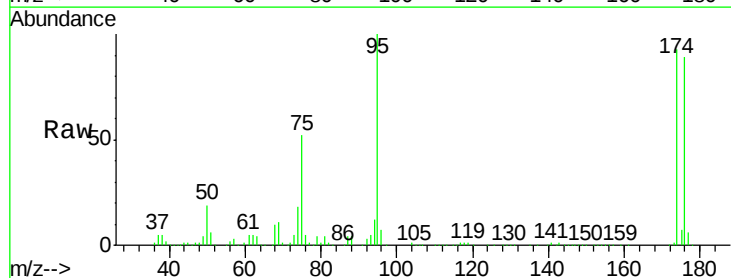
Acq: 27 Apr 2018 02:49

Tgt Ion: 75 Resp: 72245

Ion Ratio Lower Upper

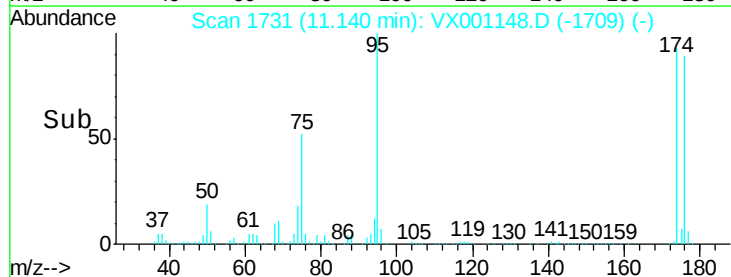
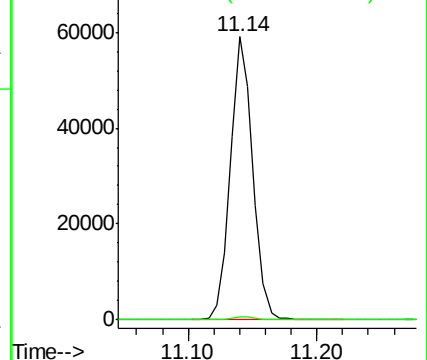
75 100

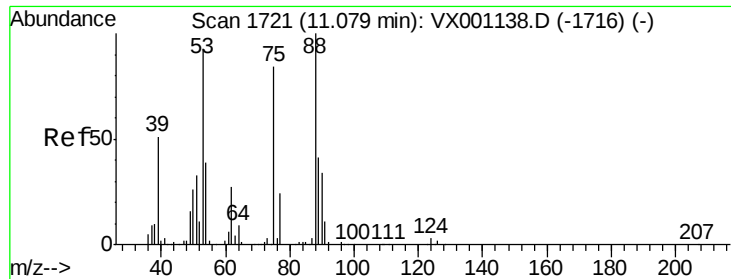
77 1.2 18.9 56.9#



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: 75.12 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001148.D

Acq: 27 Apr 2018 02:49

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#15

Tgt Ion: 75 Resp: 72245

Ion Ratio Lower Upper

75 100

53 0.0 87.9 131.9#

89 0.0 37.7 56.5#

