

Data File : VX001156.D

Acq On : 27 Apr 2018 06:14

Operator : JC/MD

Sample : PB108612ZHE#08 5X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#08

Quant Time: Apr 27 07:27:05 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	5.68	168	210825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	285460	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	254153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	136907	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	133421	40.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.66%	
35) Dibromofluoromethane	5.51	113	104045	44.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.08%	
50) Toluene-d8	8.72	98	403938	45.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.60%	
62) 4-Bromofluorobenzene	11.14	95	133889	38.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.88%	

Target Compounds

						Qvalue
5) Bromomethane	1.66	94	350	Below Cal		88
10) Methyl Iodide	2.53	142	128	7.29 ug/l #		41
13) Acrolein	2.31	56	116	0.48 ug/l #		12
16) Acetone	2.45	43	3620	2.69 ug/l		94
18) Methyl Acetate	2.78	43	4228	1.26 ug/l		96
20) Methylene Chloride	2.86	84	1314	0.52 ug/l		95
25) 2-Butanone	4.73	43	1024	0.51 ug/l #		50
29) Tetrahydrofuran	5.19	42	601	0.46 ug/l #		45
31) Cyclohexane	5.67	56	3921	1.13 ug/l #		14
36) 1,1-Dichloropropene	5.67	75	13185	4.19 ug/l #		49
38) Carbon Tetrachloride	5.67	117	18302	5.67 ug/l #		16
60) Dibromochloromethane	9.35	129	45	3.36 ug/l #		11
74) N-amyl acetate	6.49	43	993	0.22 ug/l #		70
76) 1,2,3-Trichloropropane	11.14	75	68751	24.66 ug/l #		39
81) trans-1,4-Dichloro-2-buten	11.14	75	68751	75.48 ug/l #		6

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

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Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 29 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#08

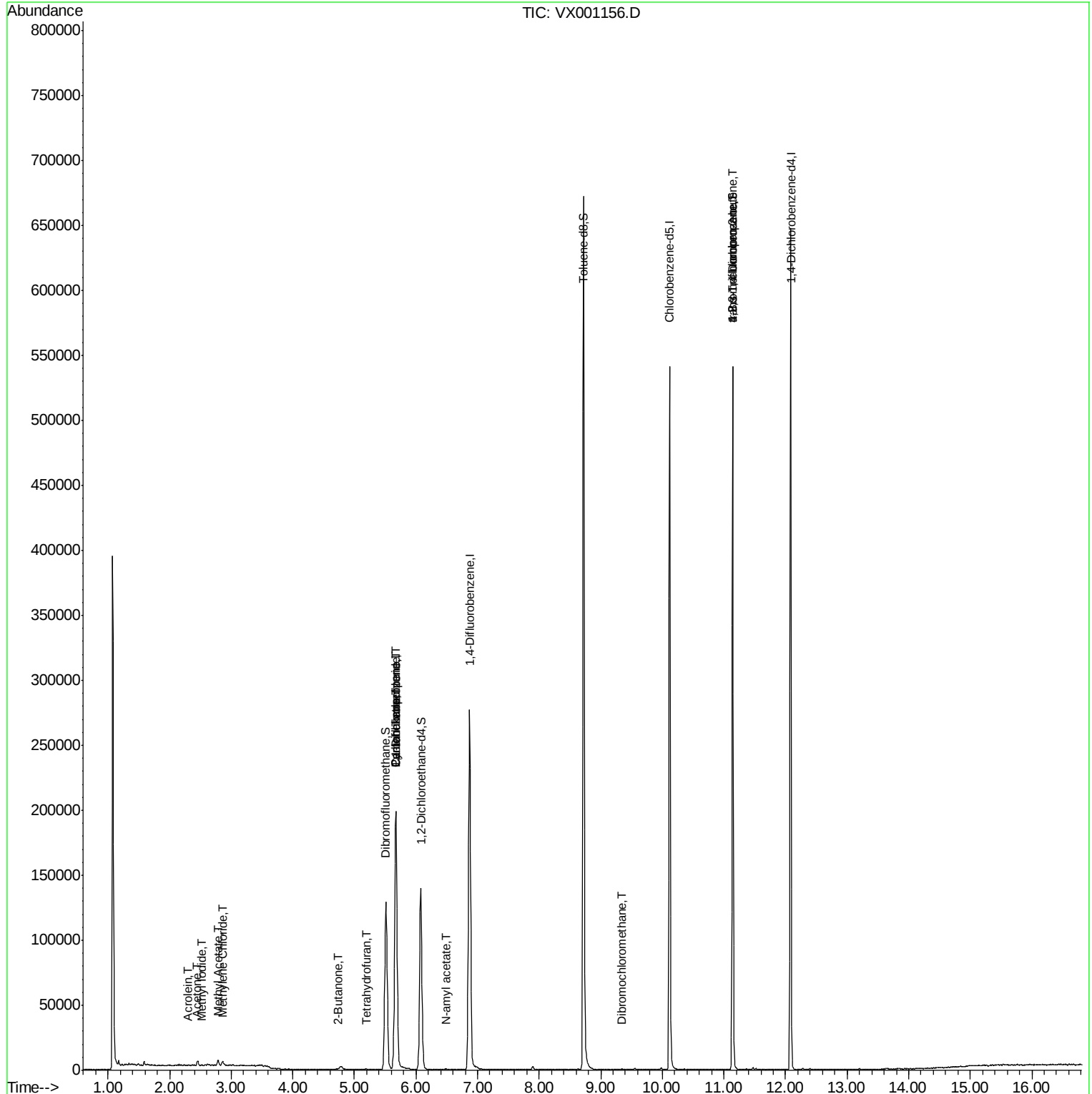
Quant Time: Apr 27 07:27:05 2018

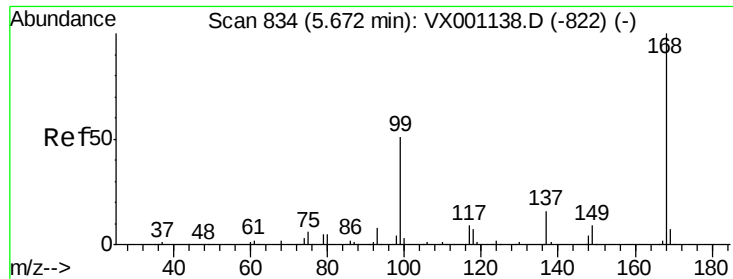
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M

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: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX001156.D

Acq: 27 Apr 2018 06:14

Instrument :

MSVOA_X

ClientSampleId :

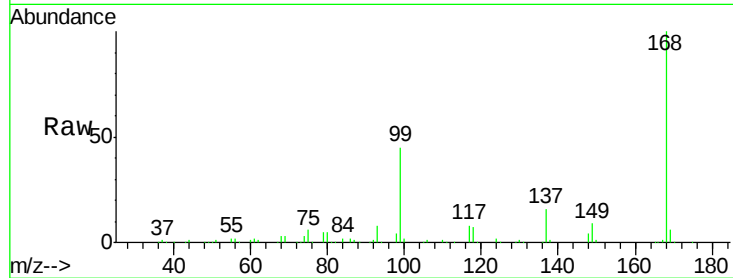
PB108612ZHE#08

Tgt Ion:168 Resp: 210825

Ion Ratio Lower Upper

168 100

99 45.3 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

80000

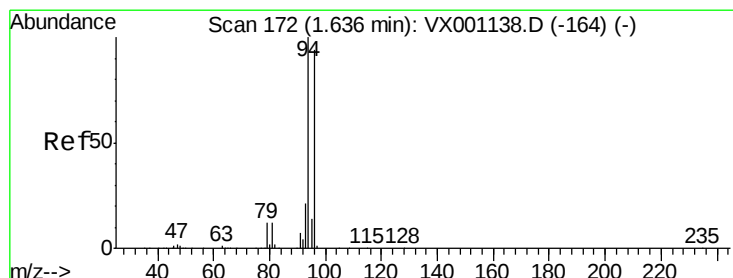
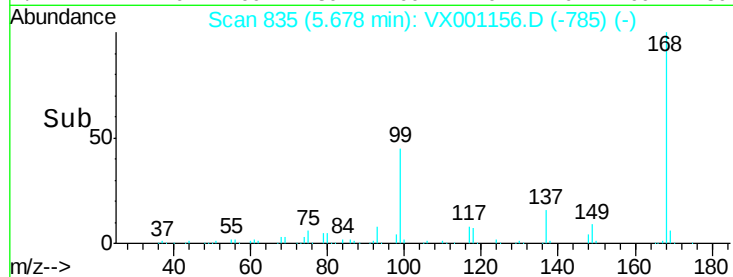
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001156.D

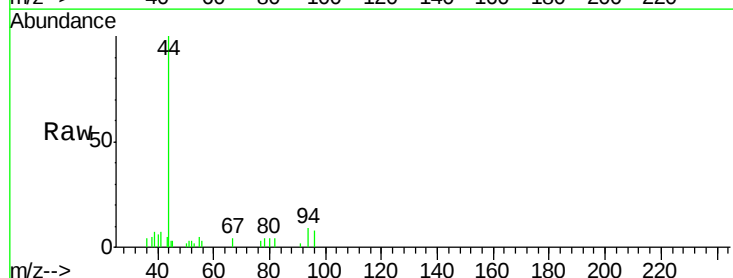
Acq: 27 Apr 2018 06:14

Tgt Ion: 94 Resp: 350

Ion Ratio Lower Upper

94 100

96 82.4 75.3 112.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

200

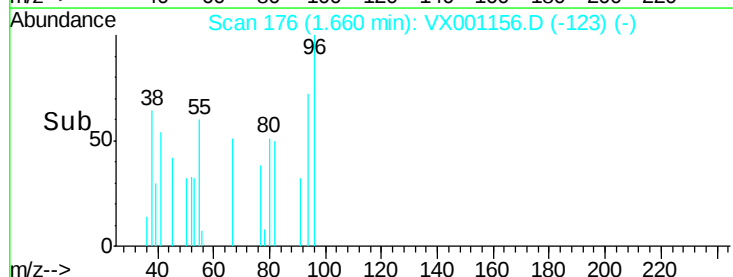
150

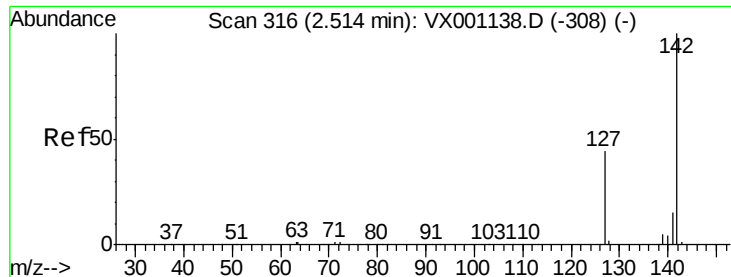
100

50

0

Time-->

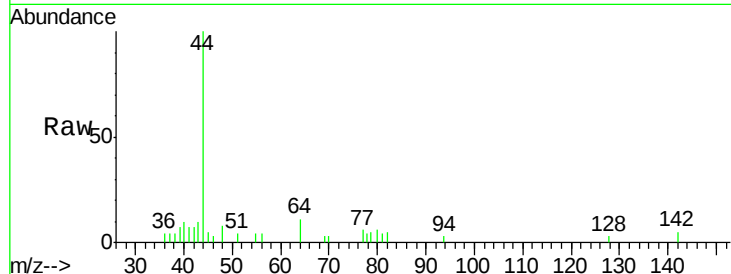




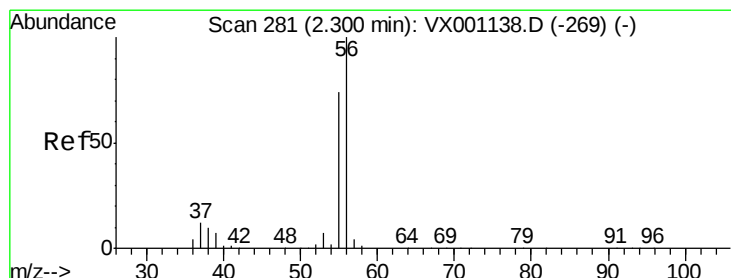
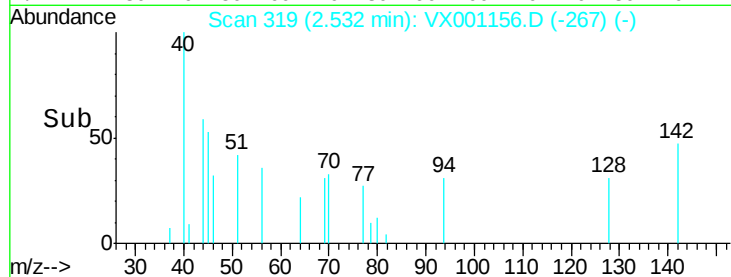
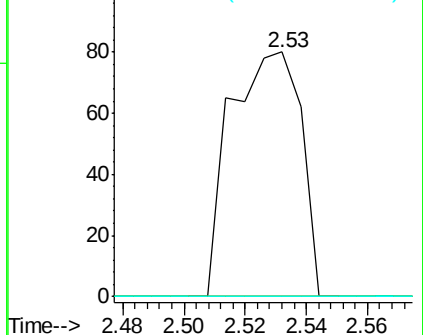
#10
Methyl Iodide
Concen: 7.29 ug/l
RT: 2.53 min Scan# 319
Delta R.T. 0.02 min
Lab File: VX001156.D
Acq: 27 Apr 2018 06:14

Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#08

Tgt Ion: 142 Resp: 128
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.6 17.4#

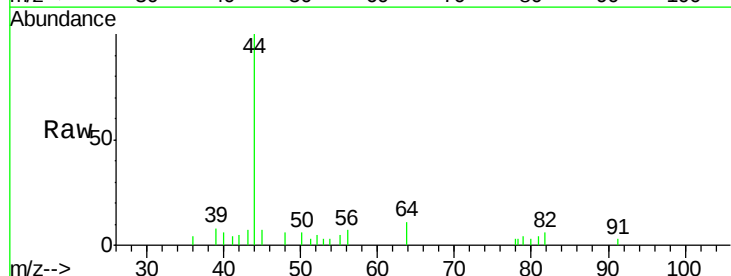


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

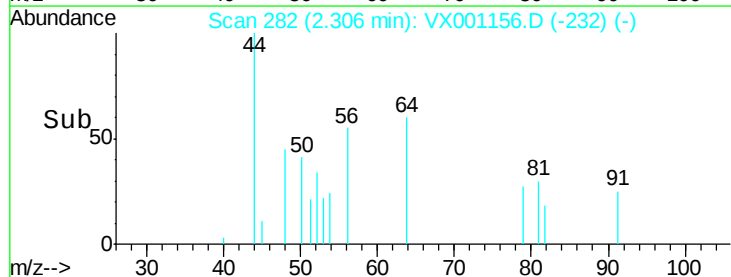
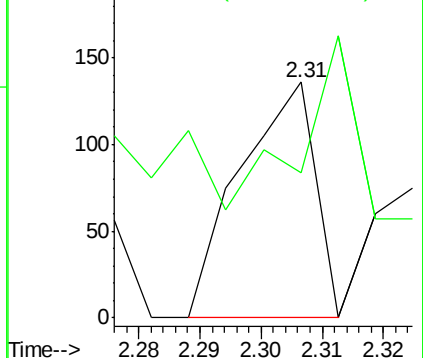


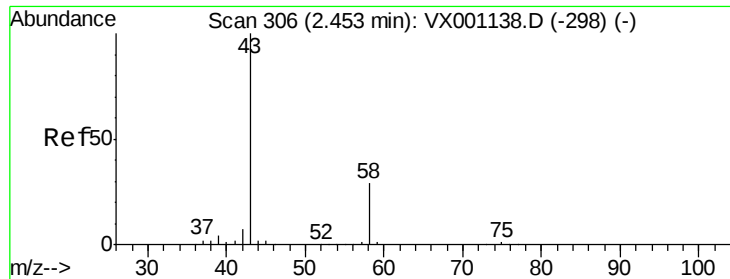
#13
Acrolein
Concen: 0.48 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX001156.D
Acq: 27 Apr 2018 06:14

Tgt Ion: 56 Resp: 116
Ion Ratio Lower Upper
56 100
55 144.8 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 2.69 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001156.D

Acq: 27 Apr 2018 06:14

Instrument :

MSVOA_X

ClientSampleId :

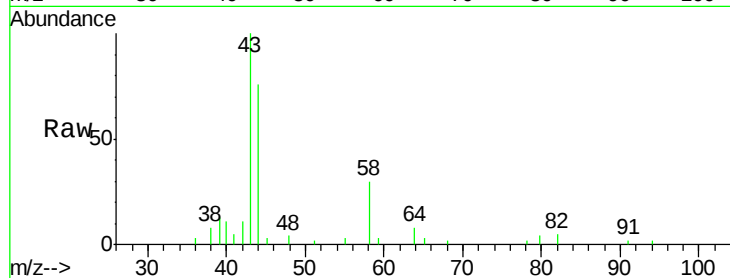
PB108612ZHE#08

Tgt Ion: 43 Resp: 3620

Ion Ratio Lower Upper

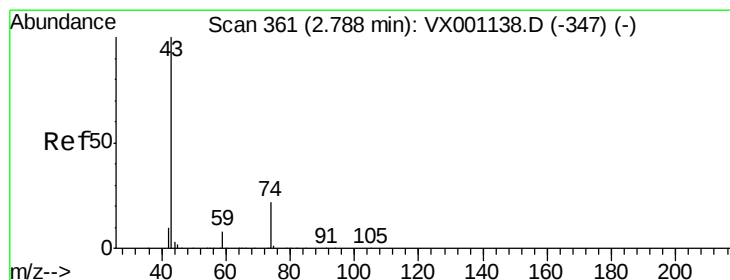
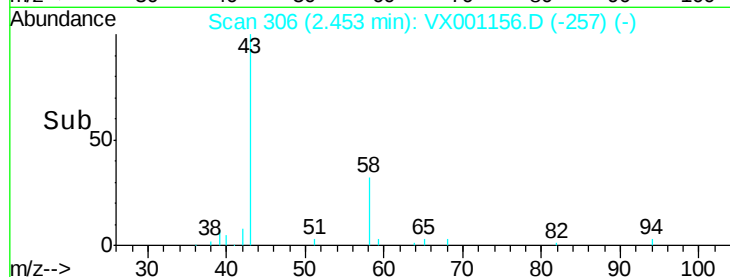
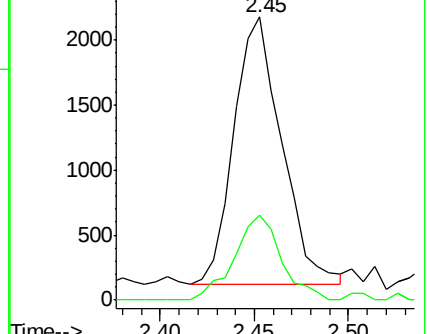
43 100

58 31.9 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: 1.26 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.01 min

Lab File: VX001156.D

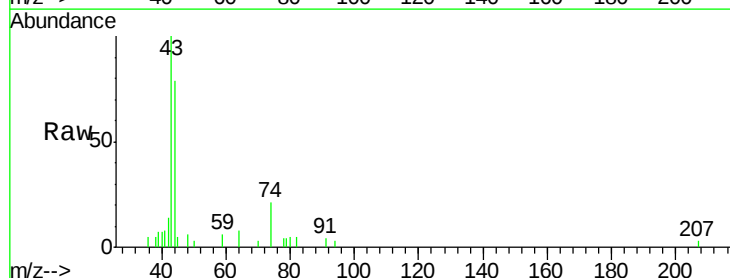
Acq: 27 Apr 2018 06:14

Tgt Ion: 43 Resp: 4228

Ion Ratio Lower Upper

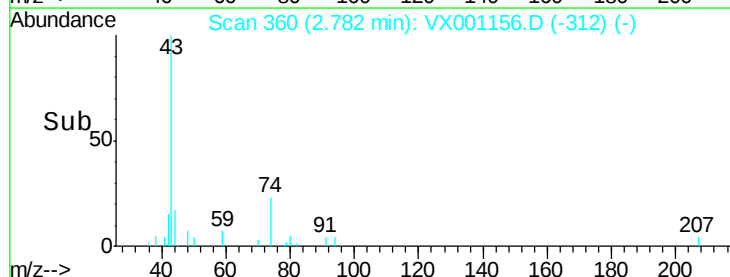
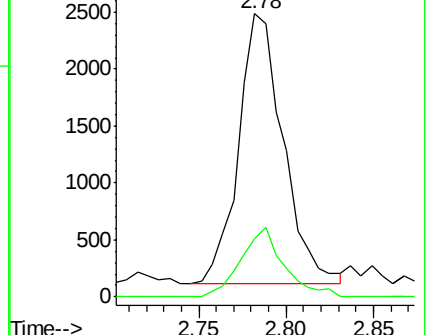
43 100

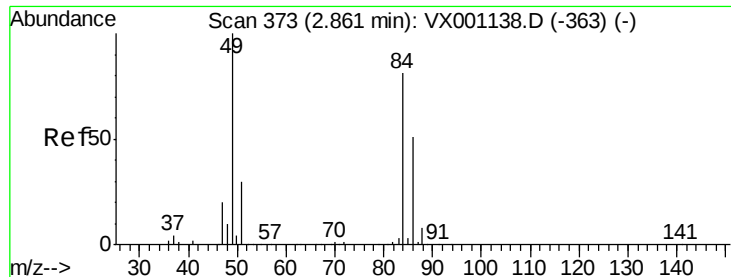
74 24.5 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 0.52 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001156.D

Acq: 27 Apr 2018 06:14

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#08

Tgt Ion: 84 Resp: 1314

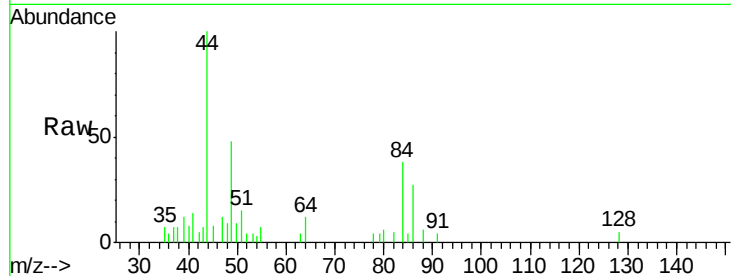
Ion Ratio Lower Upper

84 100

49 126.2 99.2 148.8

51 40.0 29.5 44.3

86 70.4 50.2 75.2

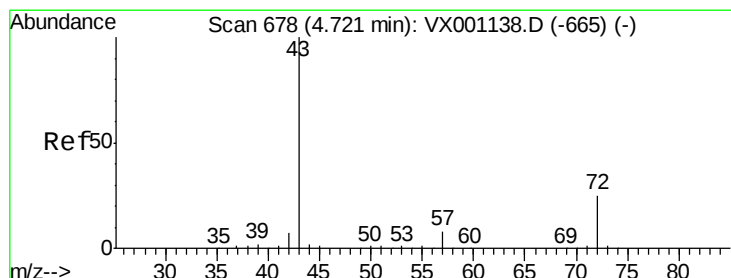
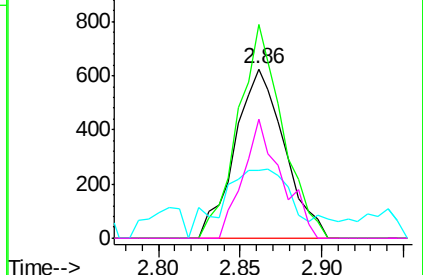
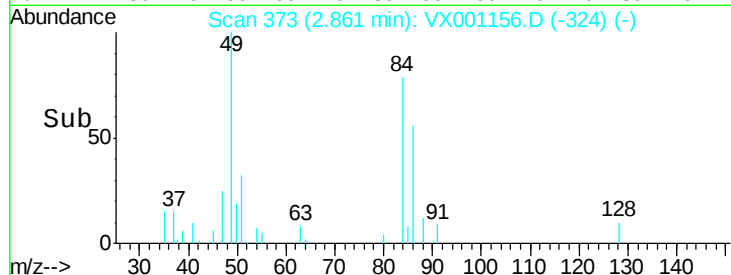


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.51 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX001156.D

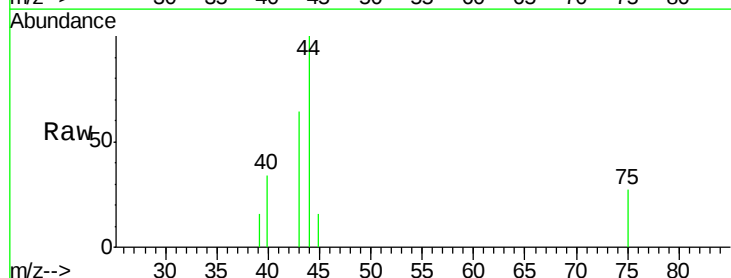
Acq: 27 Apr 2018 06:14

Tgt Ion: 43 Resp: 1024

Ion Ratio Lower Upper

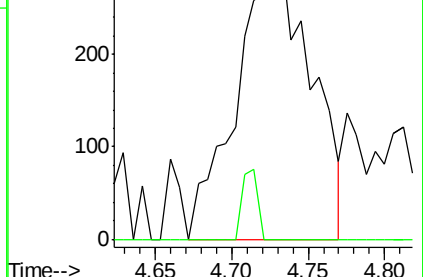
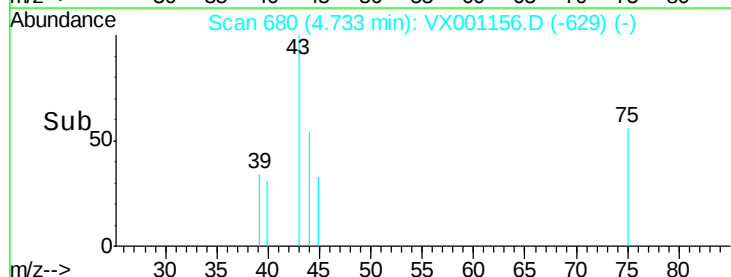
43 100

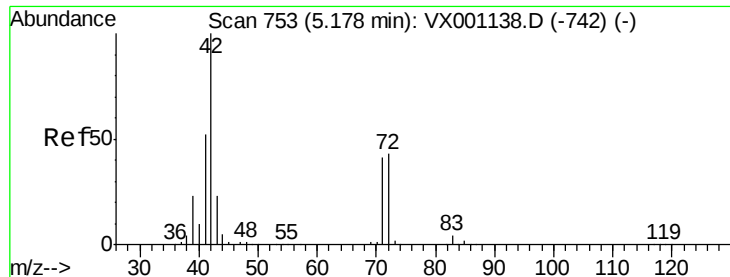
72 0.0 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.46 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX001156.D

Acq: 27 Apr 2018 06:14

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#08

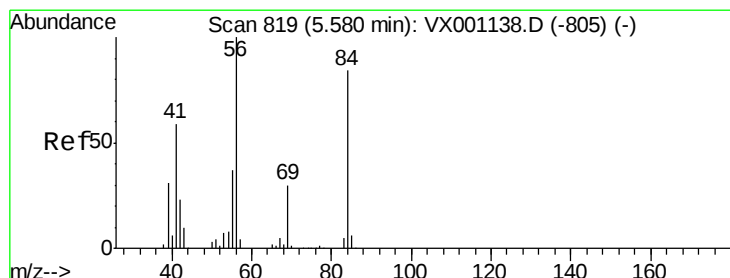
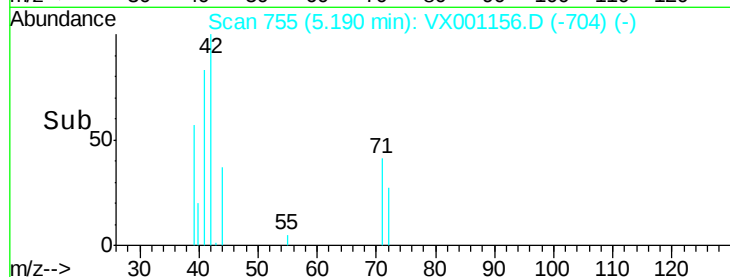
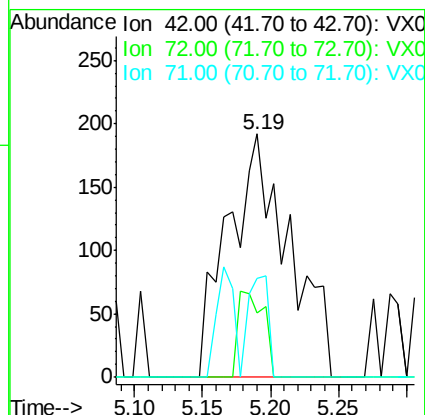
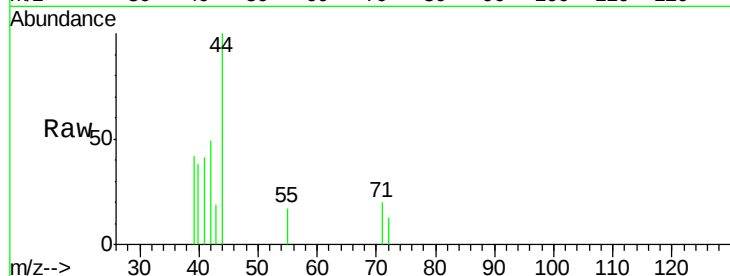
Tgt Ion: 42 Resp: 601

Ion Ratio Lower Upper

42 100

72 0.0 34.4 51.6#

71 13.6 32.1 48.1#



#31

Cyclohexane

Concen: 1.13 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001156.D

Acq: 27 Apr 2018 06:14

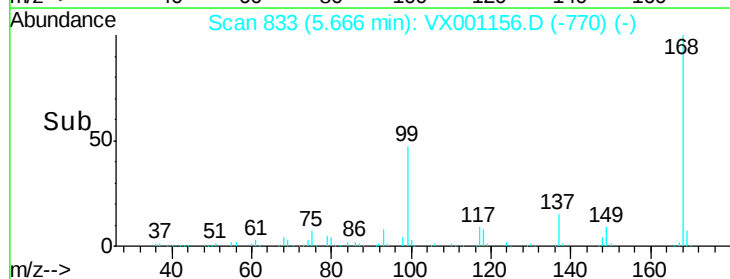
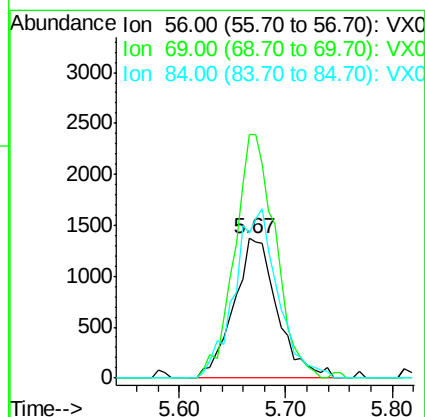
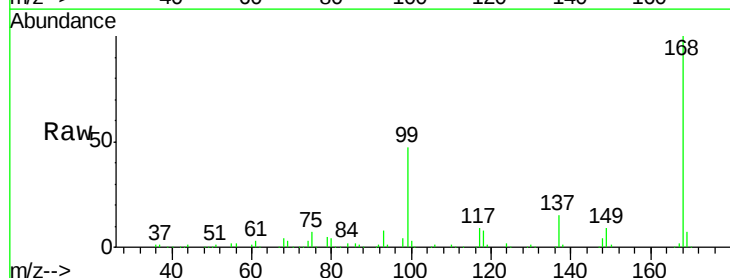
Tgt Ion: 56 Resp: 3921

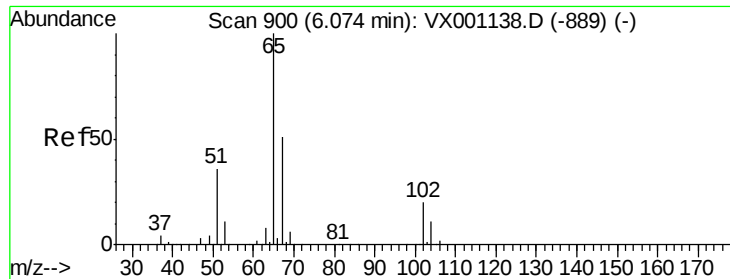
Ion Ratio Lower Upper

56 100

69 174.6 24.2 36.2#

84 104.0 67.5 101.3#





#33

1,2-Dichloroethane-d4

Concen: 40.83 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001156.D

Acq: 27 Apr 2018 06:14

Instrument :

MSVOA_X

ClientSampleId :

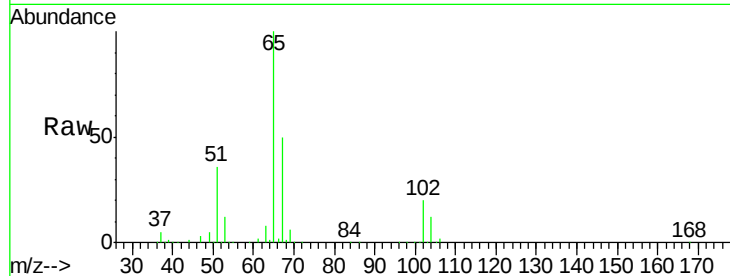
PB108612ZHE#08

Tgt Ion: 65 Resp: 133421

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

60000

50000

40000

30000

20000

10000

0

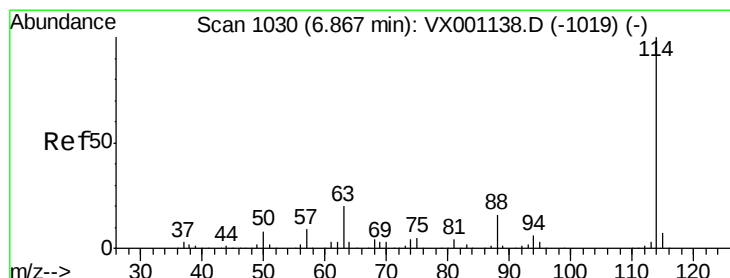
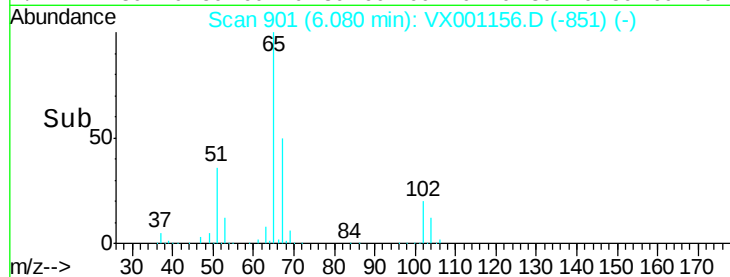
6.08

6.00

6.10

6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001156.D

Acq: 27 Apr 2018 06:14

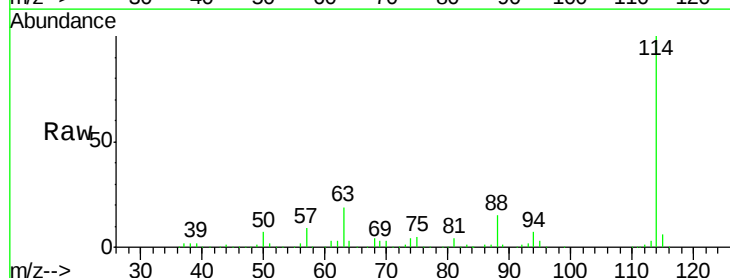
Tgt Ion: 114 Resp: 285460

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.4

88 15.4 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

150000

100000

50000

0

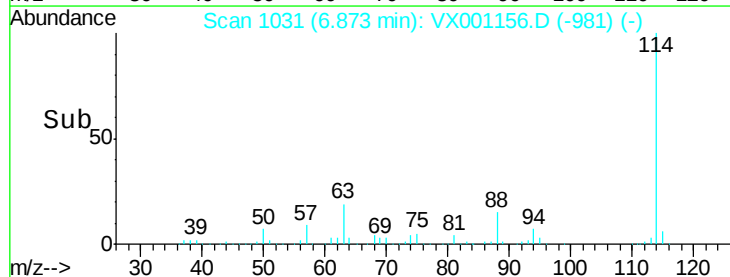
6.87

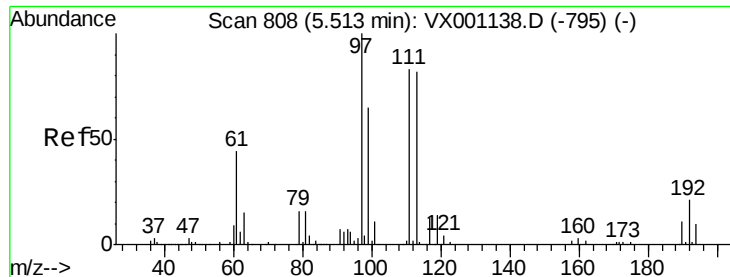
6.80

6.90

7.00

Time-->

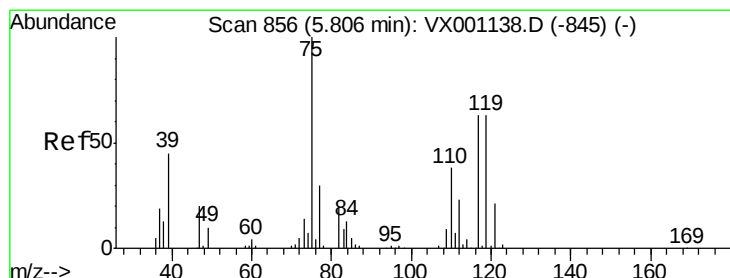
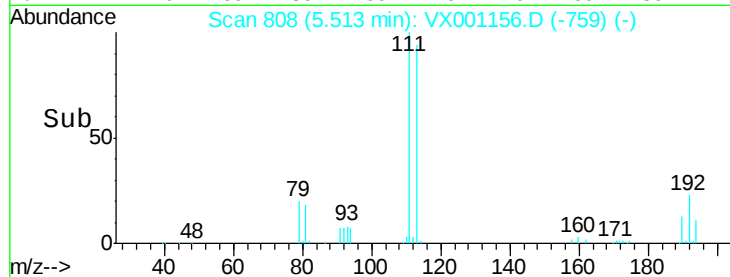
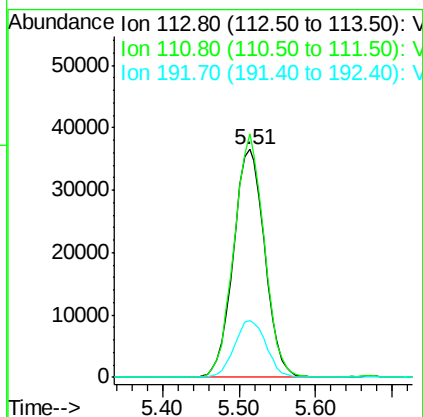
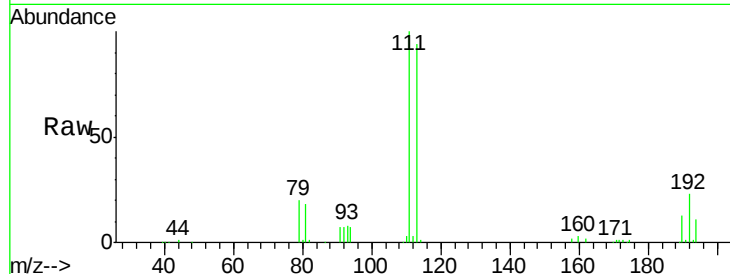




#35
 Dibromofluoromethane
 Concen: 44.04 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001156.D
 Acq: 27 Apr 2018 06:14

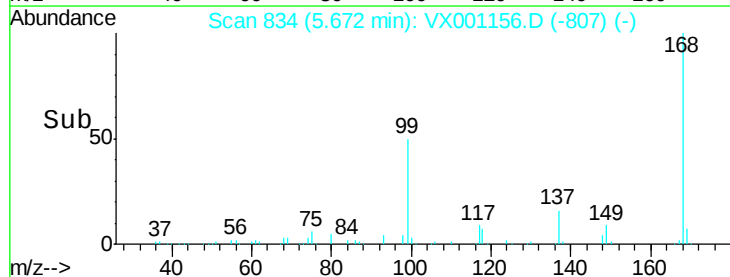
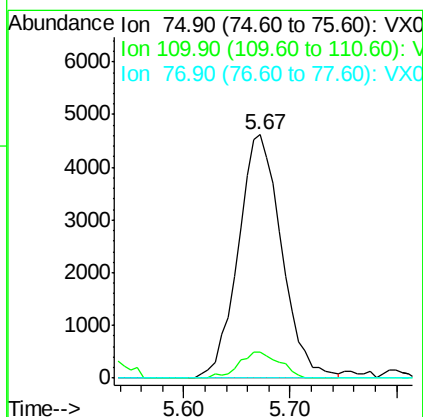
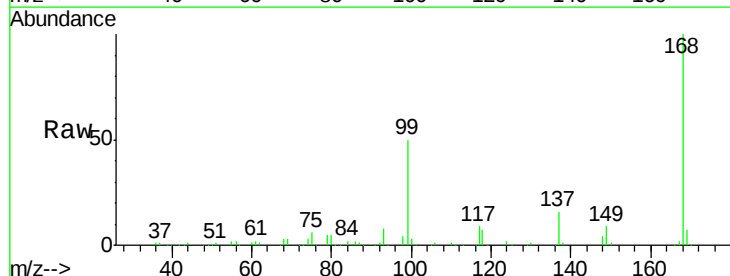
Instrument :
 MSVOA_X
 ClientSampleId :
 PB108612ZHE#08

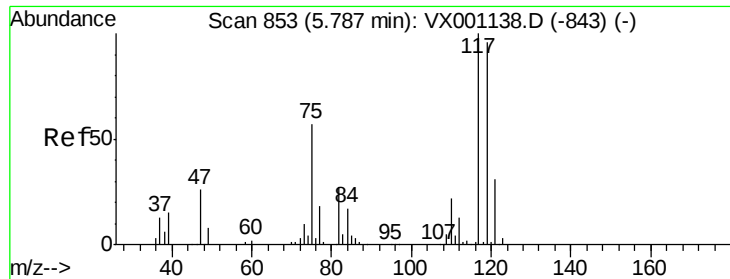
Tgt Ion:113 Resp: 104045
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.2 123.4
 192 25.2 20.6 30.8



#36
 1,1-Dichloropropene
 Concen: 4.19 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001156.D
 Acq: 27 Apr 2018 06:14

Tgt Ion: 75 Resp: 13185
 Ion Ratio Lower Upper
 75 100
 110 10.1 19.0 57.0#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.67 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001156.D

Acq: 27 Apr 2018 06:14

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#08

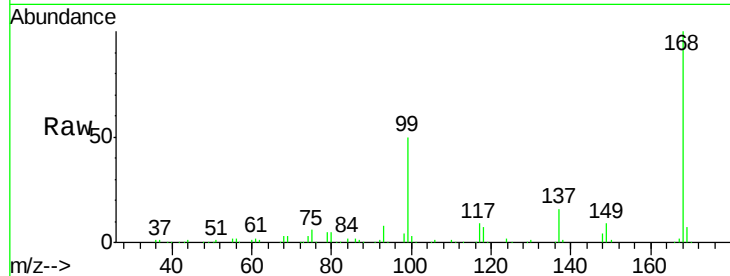
Tgt Ion: 117 Resp: 18302

Ion Ratio Lower Upper

117 100

119 4.7 76.5 114.7#

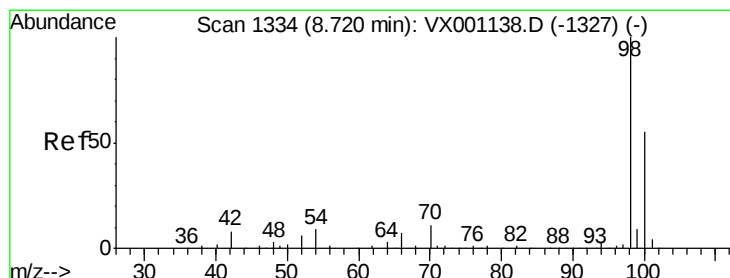
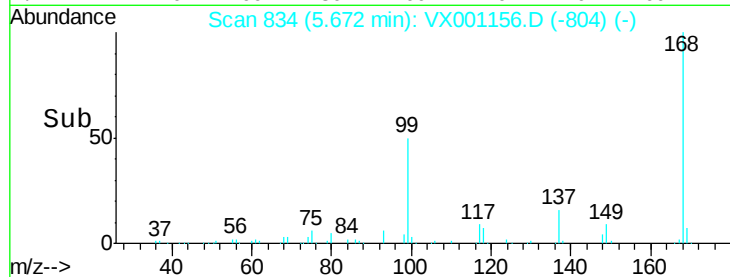
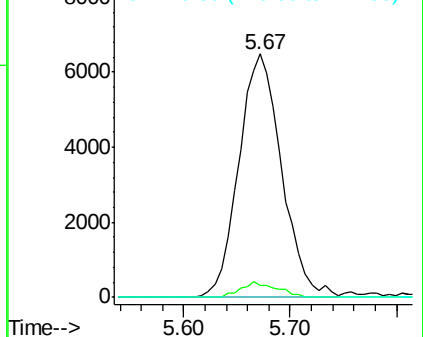
121 0.0 24.6 37.0#



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: 45.30 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001156.D

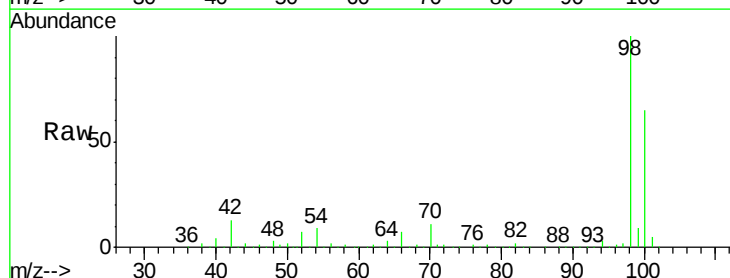
Acq: 27 Apr 2018 06:14

Tgt Ion: 98 Resp: 403938

Ion Ratio Lower Upper

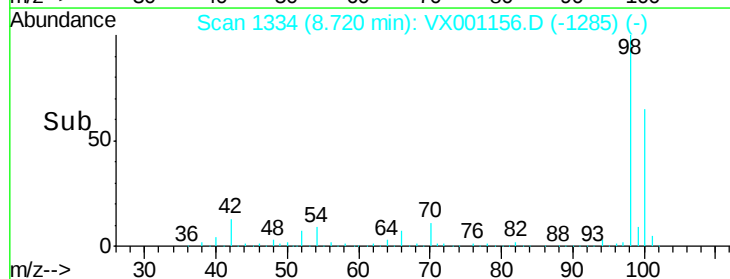
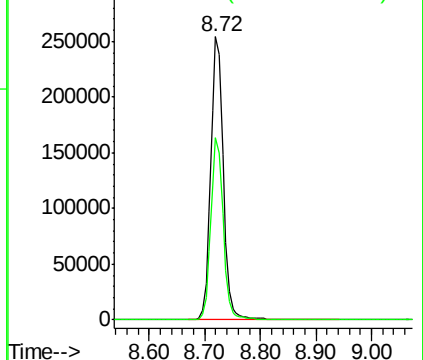
98 100

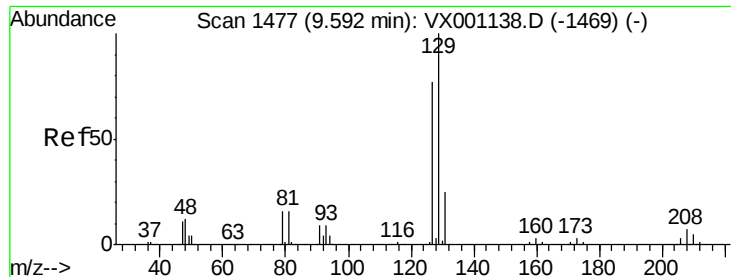
100 63.8 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#60

Dibromochloromethane

Concen: 3.36 ug/l

RT: 9.35 min Scan# 1437

Delta R.T. -0.24 min

Lab File: VX001156.D

Acq: 27 Apr 2018 06:14

Instrument :

MSVOA_X

ClientSampleId :

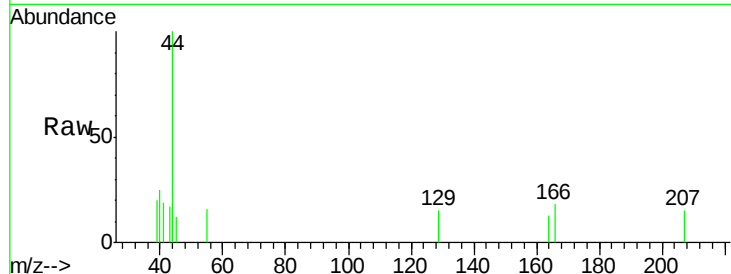
PB108612ZHE#08

Tgt Ion:129 Resp: 45

Ion Ratio Lower Upper

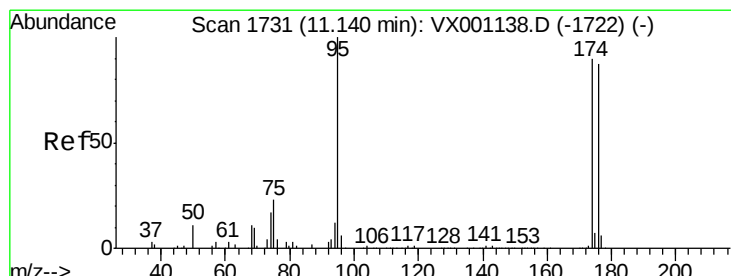
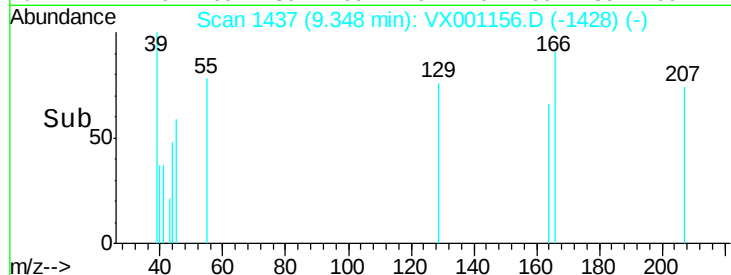
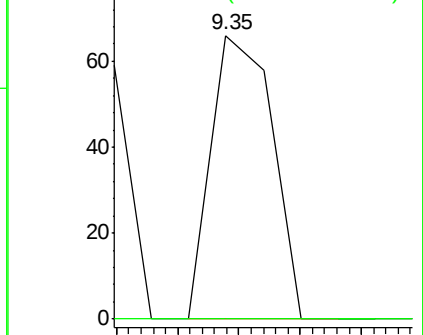
129 100

127 0.0 38.4 115.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 38.44 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001156.D

Acq: 27 Apr 2018 06:14

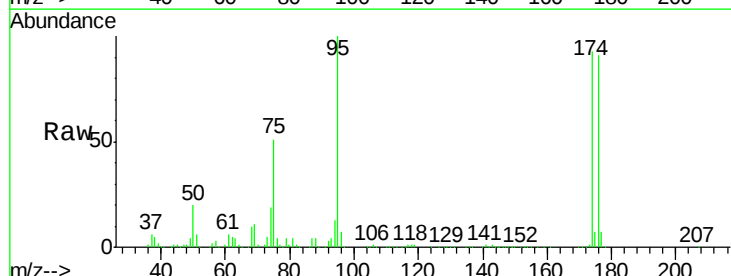
Tgt Ion: 95 Resp: 133889

Ion Ratio Lower Upper

95 100

174 100.1 0.0 194.4

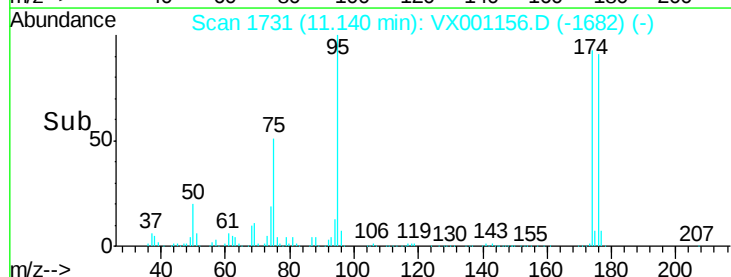
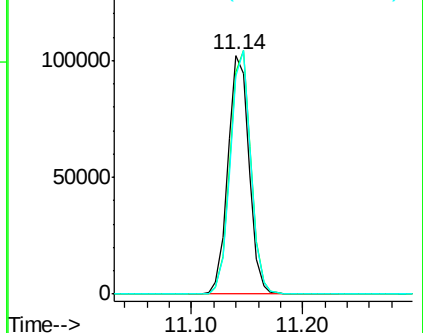
176 98.5 0.0 190.2

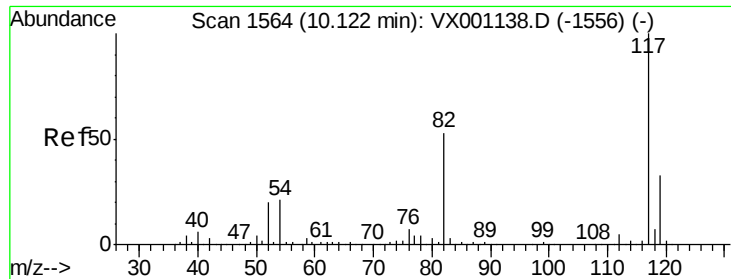


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

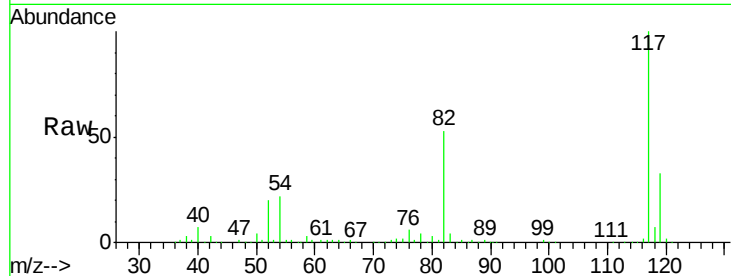




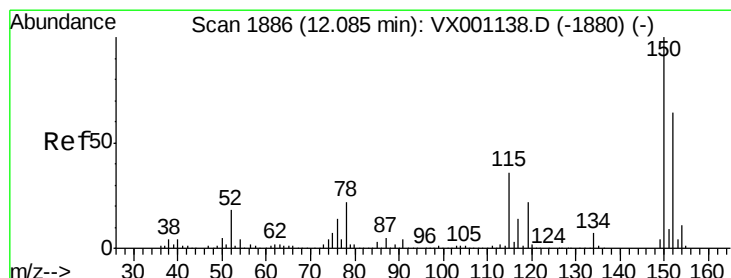
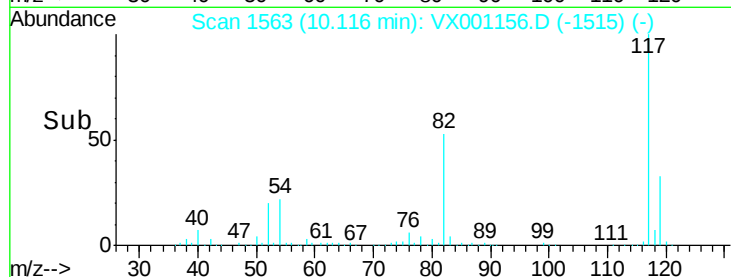
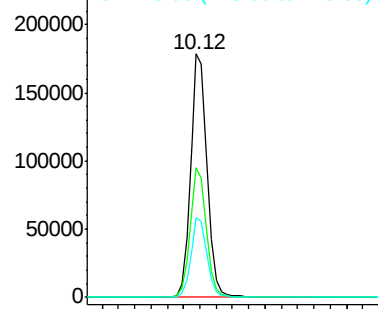
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001156.D
Acq: 27 Apr 2018 06:14

Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#08

Tgt Ion:117 Resp: 254153
Ion Ratio Lower Upper
117 100
82 53.5 42.1 63.1
119 32.6 26.1 39.1

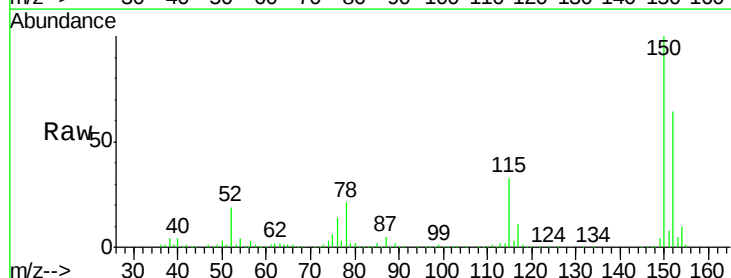


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

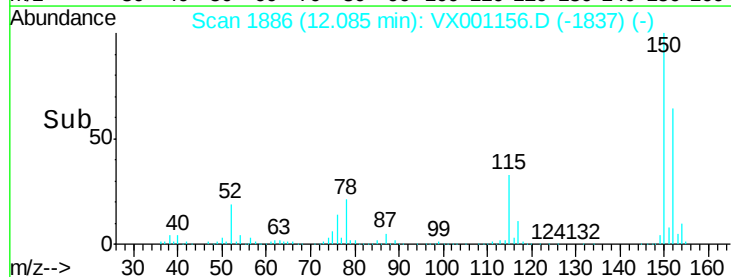
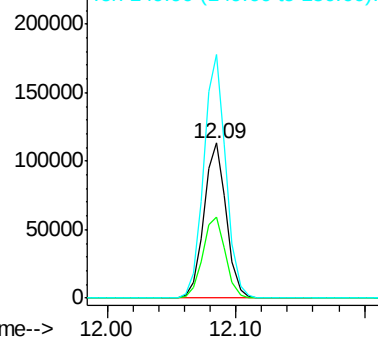


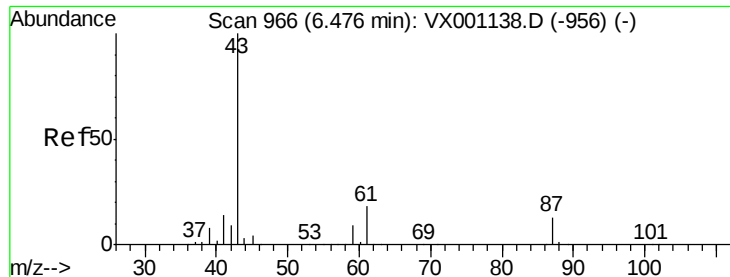
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001156.D
Acq: 27 Apr 2018 06:14

Tgt Ion:152 Resp: 136907
Ion Ratio Lower Upper
152 100
115 53.4 38.0 114.0
150 156.3 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





#74

N-ethyl acetate

Concen: 0.22 ug/l

RT: 6.49 min Scan# 969

Delta R.T. 0.02 min

Lab File: VX001156.D

Acq: 27 Apr 2018 06:14

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#08

Tgt Ion: 43 Resp: 993

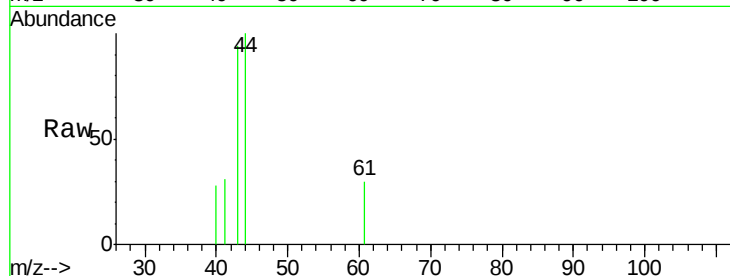
Ion Ratio Lower Upper

43 100

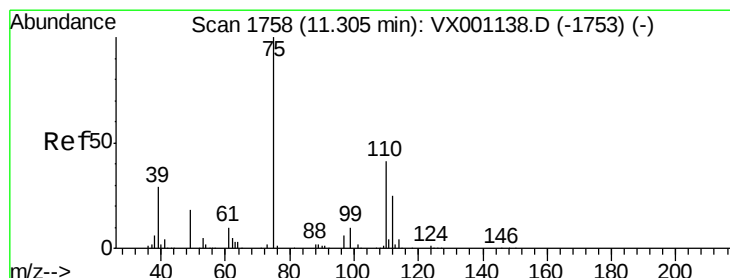
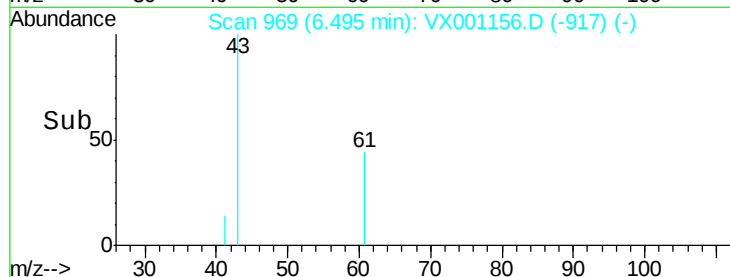
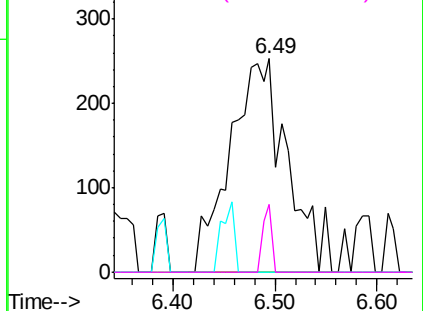
70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 5.1 15.0 22.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 70.00 (69.70 to 70.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 24.66 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001156.D

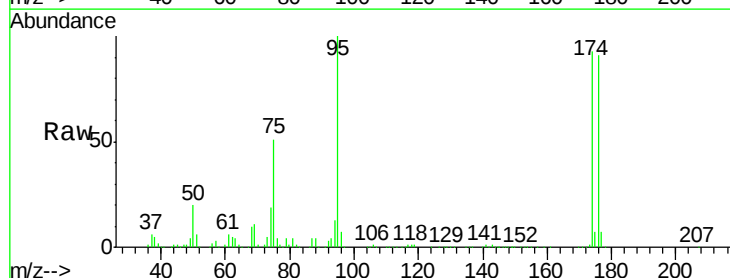
Acq: 27 Apr 2018 06:14

Tgt Ion: 75 Resp: 68751

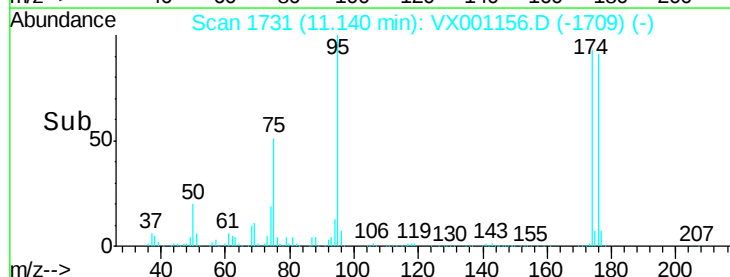
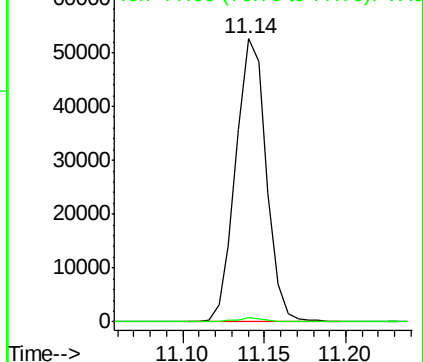
Ion Ratio Lower Upper

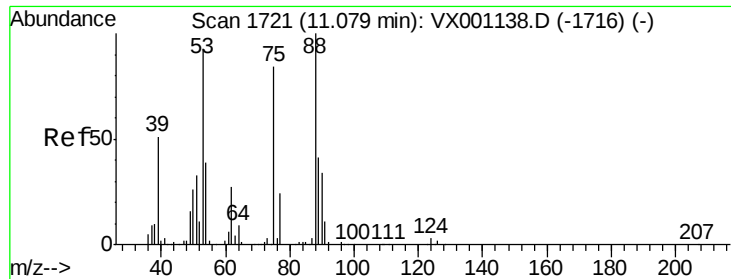
75 100

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: 75.48 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001156.D
 Acq: 27 Apr 2018 06:14

Instrument :
 MSVOA_X
 ClientSampleId :
 PB108612ZHE#08

Tgt Ion: 75 Resp: 68751
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.9 131.9#
 89 0.1 37.7 56.5#

