

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041118\
 Data File : VX000780.D
 Acq On : 11 Apr 2018 15:56
 Operator : JC/MD
 Sample : PB108143TB 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB108143TB

Quant Time: Apr 12 07:06:33 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	308721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	424861	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	396332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	233983	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	153786	39.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.02%	
35) Dibromofluoromethane	5.51	113	131473	40.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.34%	
50) Toluene-d8	8.72	98	491900	40.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.72%	
62) 4-Bromofluorobenzene	11.15	95	196479	38.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.94%	

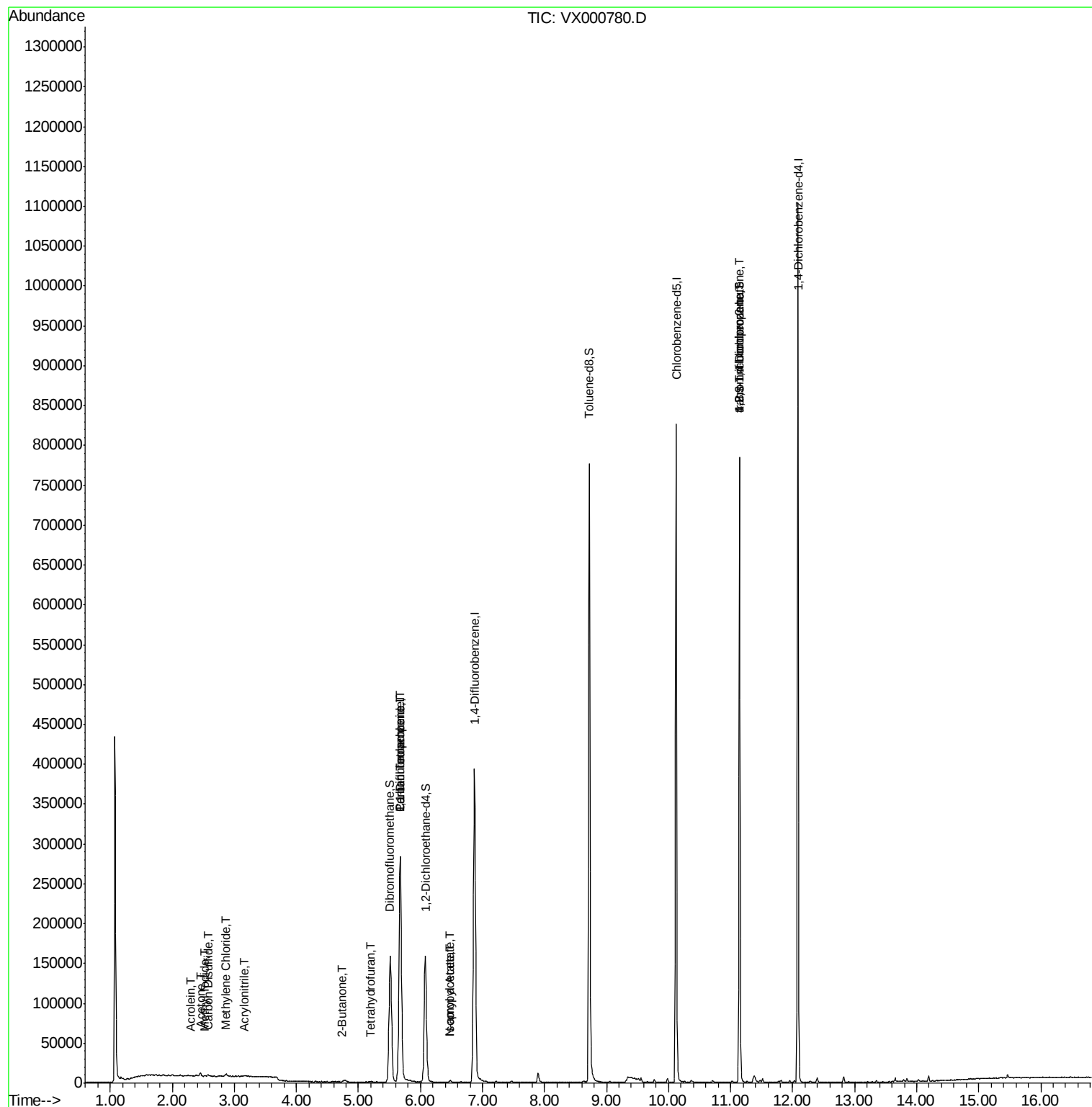
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	327	Below Cal	#	72
10) Methyl Iodide	2.52	142	354	8.36	ug/l #	81
13) Acrolein	2.29	56	117	0.35	ug/l #	78
15) Acrylonitrile	3.15	53	601	0.41	ug/l	90
16) Acetone	2.45	43	4692	3.50	ug/l	100
17) Carbon Disulfide	2.57	76	2098	0.24	ug/l	97
20) Methylene Chloride	2.86	84	1768	0.57	ug/l #	90
25) 2-Butanone	4.73	43	939	0.42	ug/l	95
29) Tetrahydrofuran	5.20	42	633	0.45	ug/l #	80
36) 1,1-Dichloropropene	5.67	75	17925	3.83	ug/l #	48
38) Carbon Tetrachloride	5.67	117	26417	5.04	ug/l #	15
43) Isopropyl Acetate	6.48	43	2331	0.30	ug/l	95
74) N-amyl acetate	6.48	43	2331	0.35	ug/l #	94
76) 1,2,3-Trichloropropane	11.14	75	96419	23.89	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	96419	65.73	ug/l #	11

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000780.D

Acq: 11 Apr 2018 15:56

Instrument :

MSVOA_X

ClientSampleId :

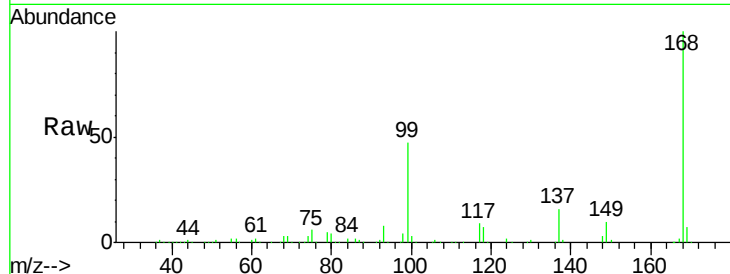
PB108143TB

Tgt Ion:168 Resp: 308721

Ion Ratio Lower Upper

168 100

99 47.2 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

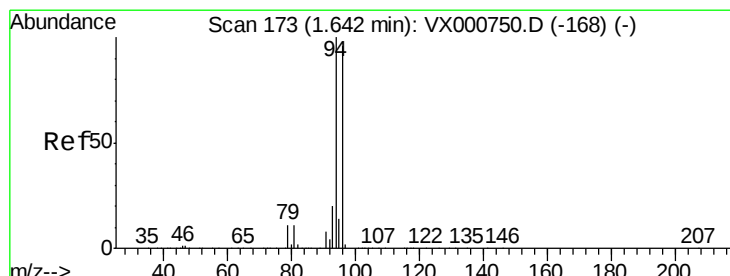
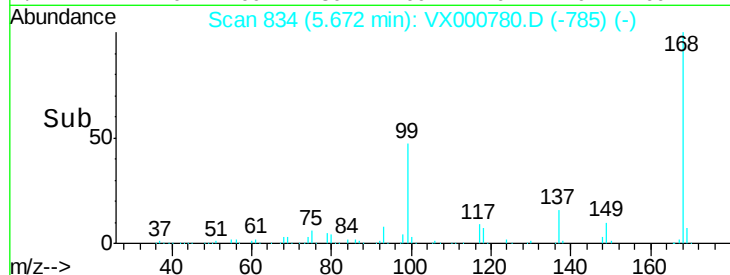
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000780.D

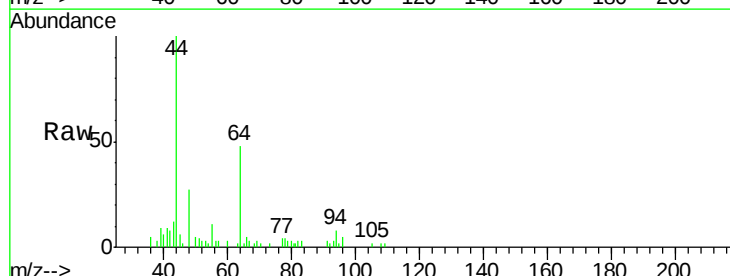
Acq: 11 Apr 2018 15:56

Tgt Ion: 94 Resp: 327

Ion Ratio Lower Upper

94 100

96 68.8 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

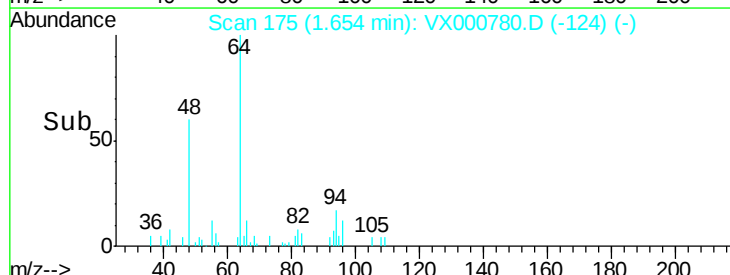
150

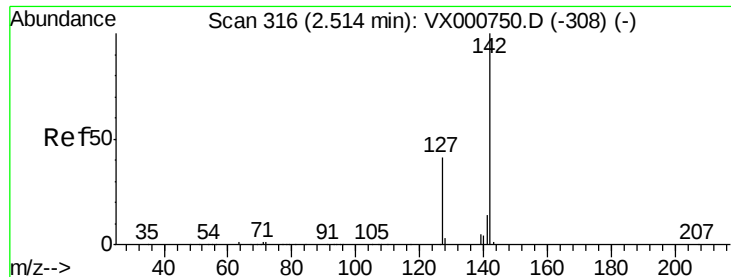
100

50

0

Time-->

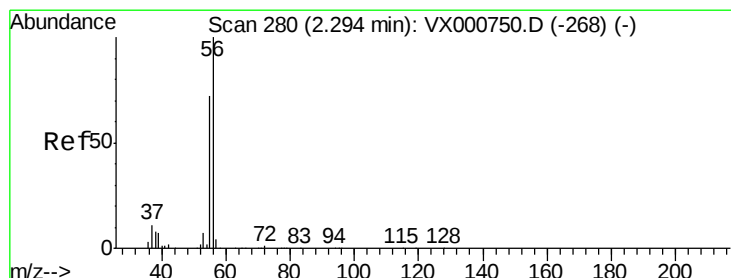
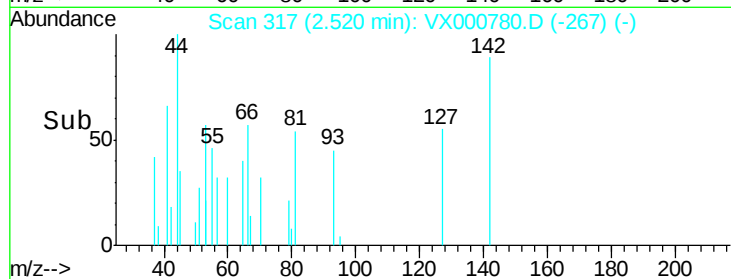
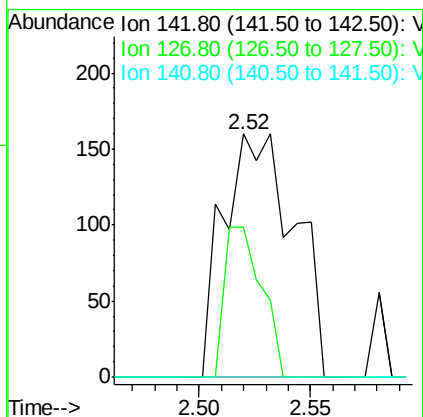
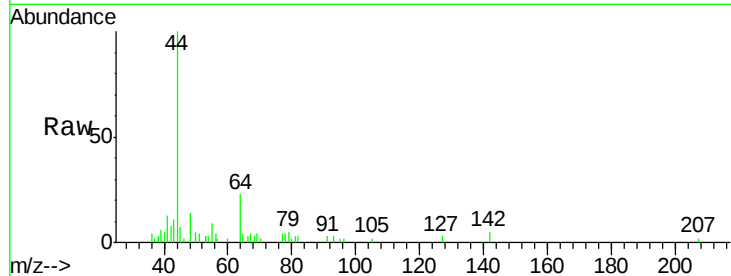




#10
Methyl Iodide
Concen: 8.36 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX000780.D
Acq: 11 Apr 2018 15:56

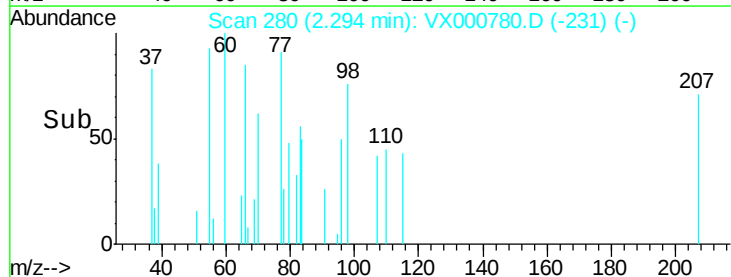
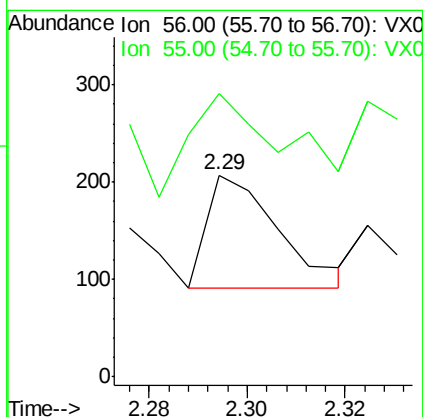
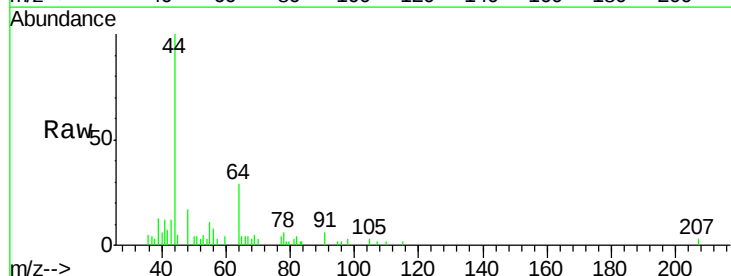
Instrument :
MSVOA_X
ClientSampleId :
PB108143TB

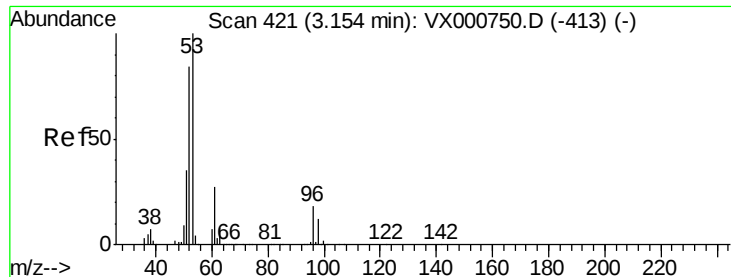
Tgt Ion: 142 Resp: 354
Ion Ratio Lower Upper
142 100
127 32.5 32.6 49.0#
141 0.0 11.5 17.3#



#13
Acrolein
Concen: 0.35 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX000780.D
Acq: 11 Apr 2018 15:56

Tgt Ion: 56 Resp: 117
Ion Ratio Lower Upper
56 100
55 92.3 58.7 88.1#





#15

Acrylonitrile

Concen: 0.41 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000780.D

Acq: 11 Apr 2018 15:56

Instrument :

MSVOA_X

ClientSampleId :

PB108143TB

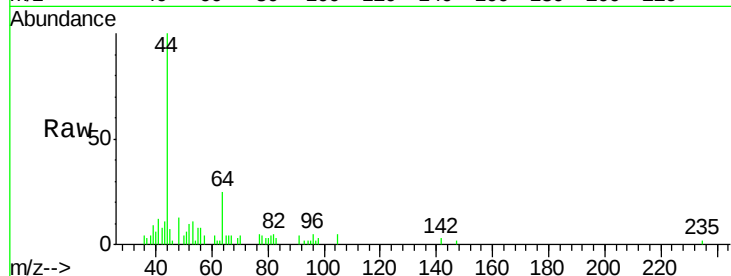
Tgt Ion: 53 Resp: 601

Ion Ratio Lower Upper

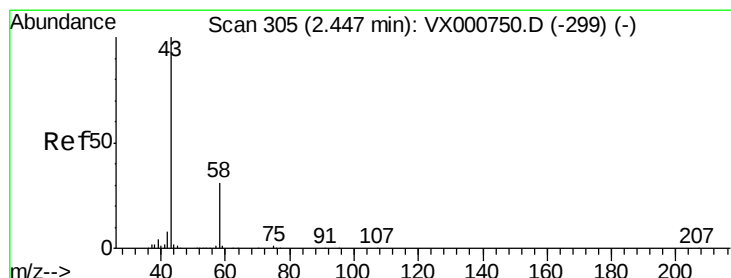
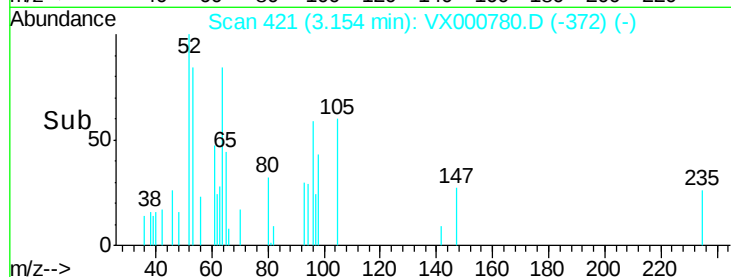
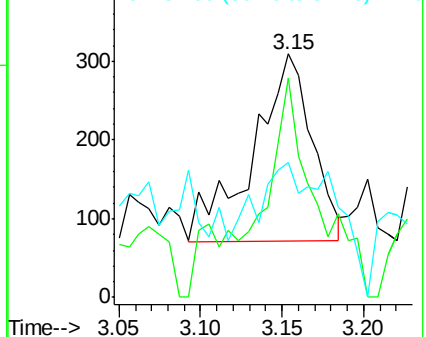
53 100

52 94.5 66.5 99.7

51 33.8 28.8 43.2



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: 3.50 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX000780.D

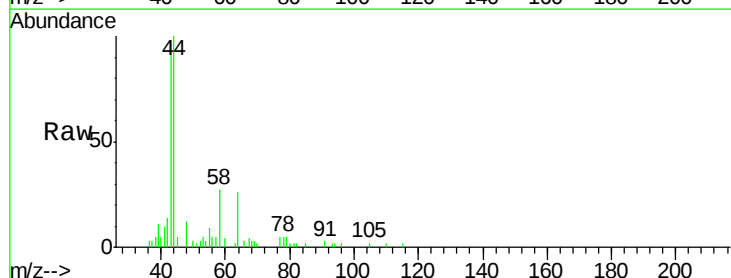
Acq: 11 Apr 2018 15:56

Tgt Ion: 43 Resp: 4692

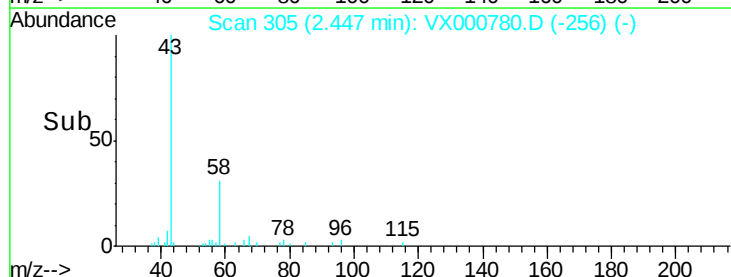
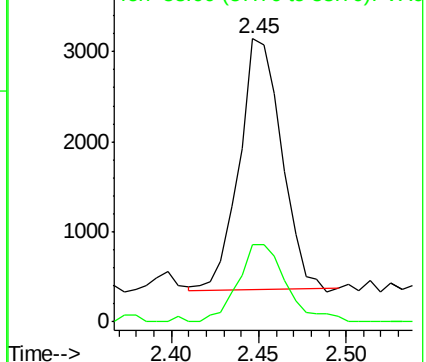
Ion Ratio Lower Upper

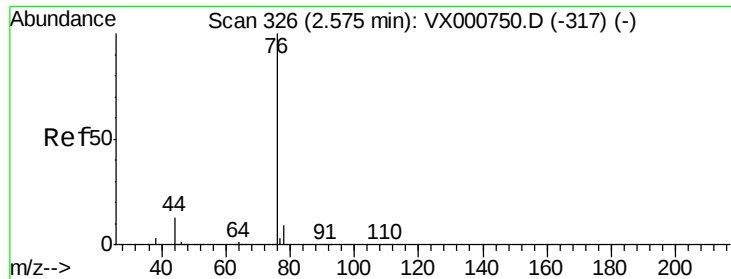
43 100

58 30.8 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

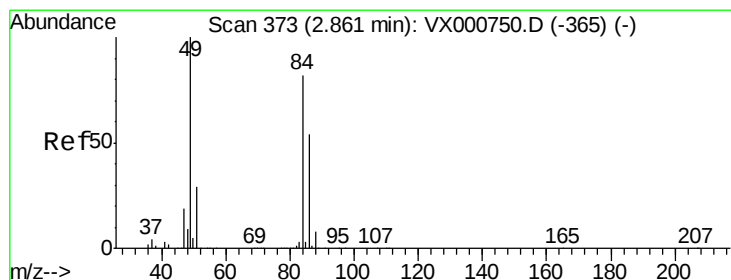
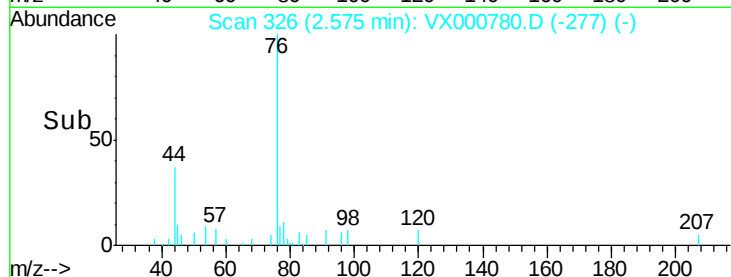
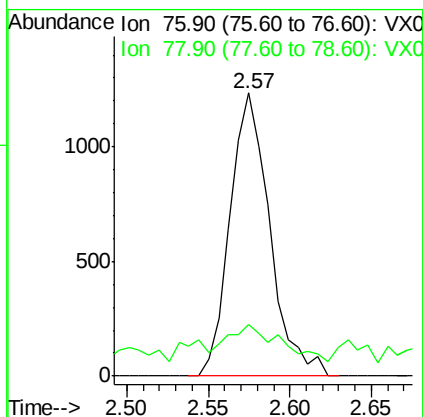
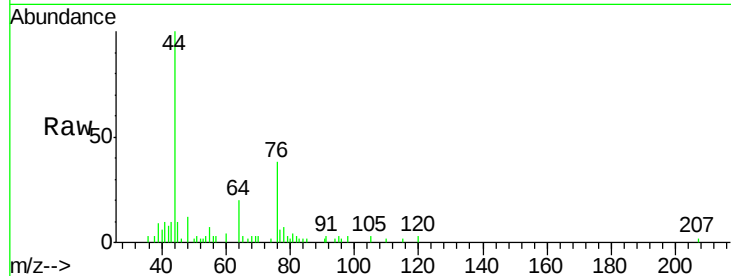




#17
Carbon Disulfide
Concen: 0.24 ug/l
RT: 2.57 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX000780.D
Acq: 11 Apr 2018 15:56

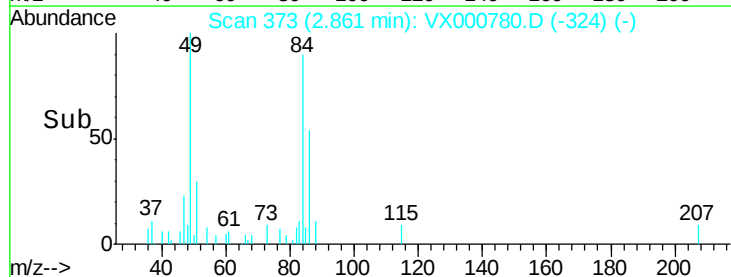
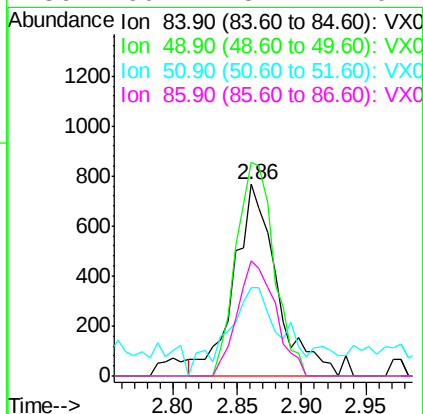
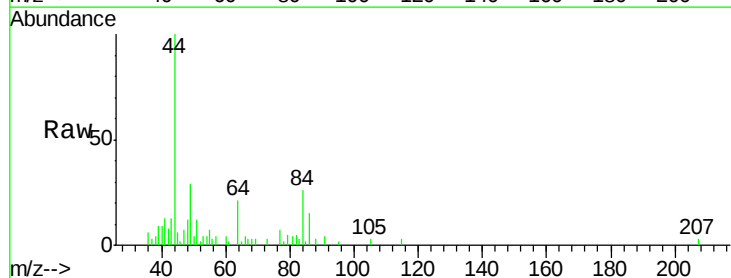
Instrument :
MSVOA_X
ClientSampled :
PB108143TB

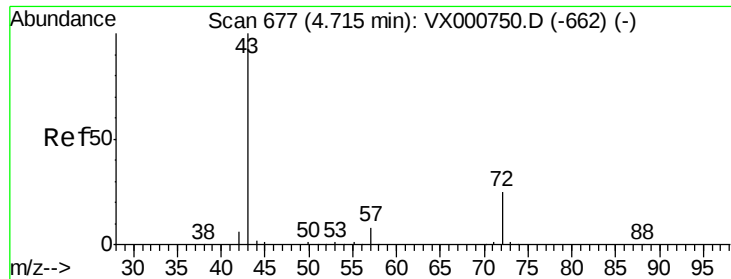
Tgt Ion: 76 Resp: 2098
Ion Ratio Lower Upper
76 100
78 8.2 7.4 11.2



#20
Methylene Chloride
Concen: 0.57 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000780.D
Acq: 11 Apr 2018 15:56

Tgt Ion: 84 Resp: 1768
Ion Ratio Lower Upper
84 100
49 111.5 98.1 147.1
51 46.3 28.9 43.3#
86 60.1 52.7 79.1





#25

2-Butanone

Concen: 0.42 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000780.D

Acq: 11 Apr 2018 15:56

Instrument :

MSVOA_X

ClientSampled :

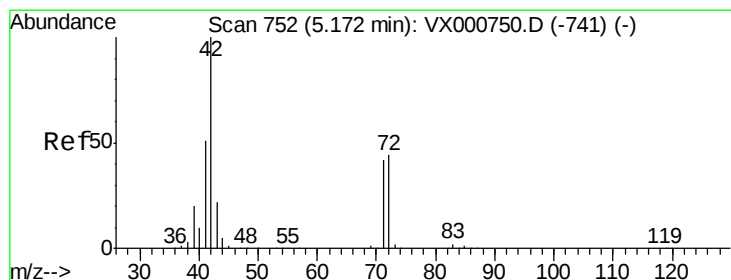
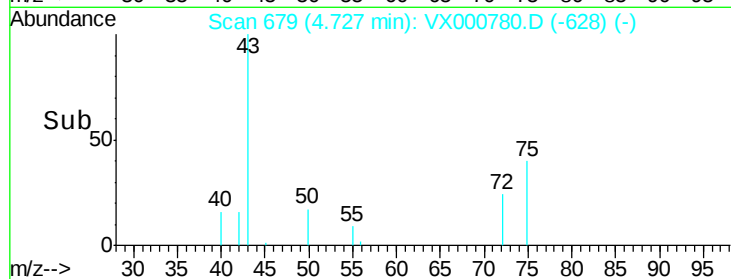
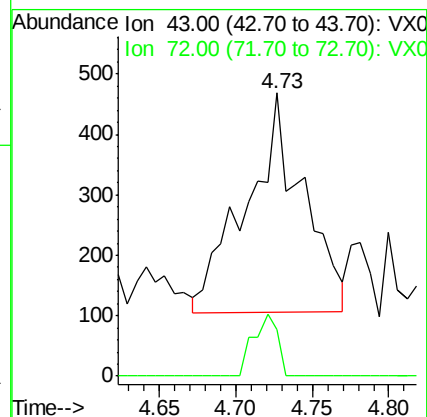
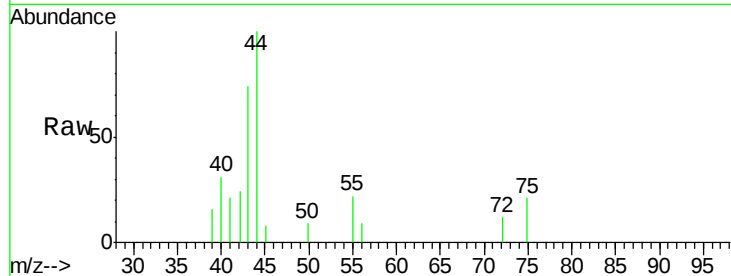
PB108143TB

Tgt Ion: 43 Resp: 939

Ion Ratio Lower Upper

43 100

72 23.1 20.3 30.5



#29

Tetrahydrofuran

Concen: 0.45 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX000780.D

Acq: 11 Apr 2018 15:56

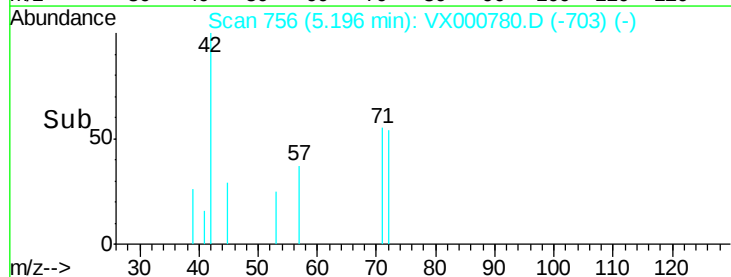
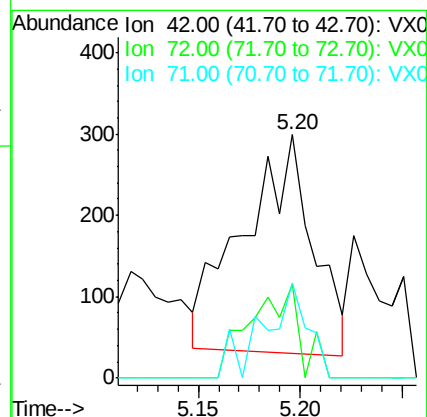
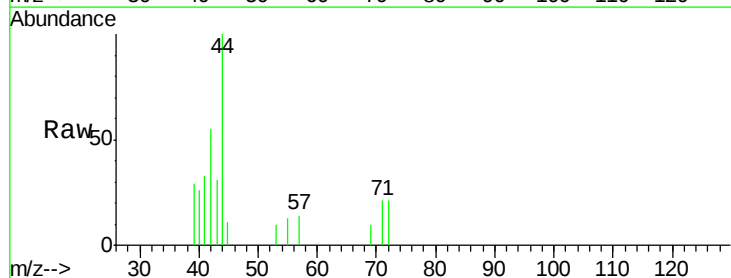
Tgt Ion: 42 Resp: 633

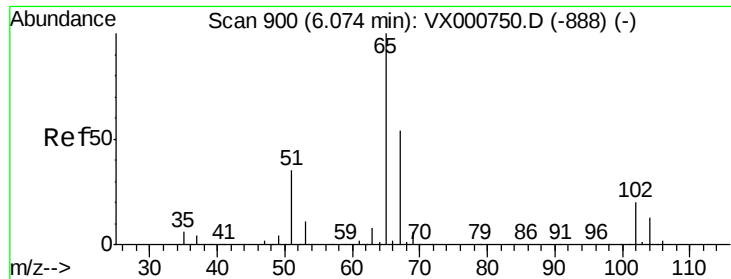
Ion Ratio Lower Upper

42 100

72 31.1 35.1 52.7#

71 28.3 32.8 49.2#

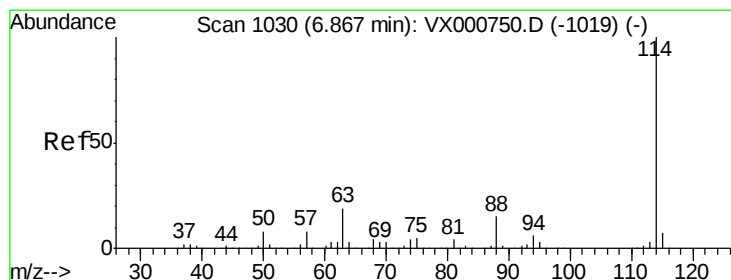
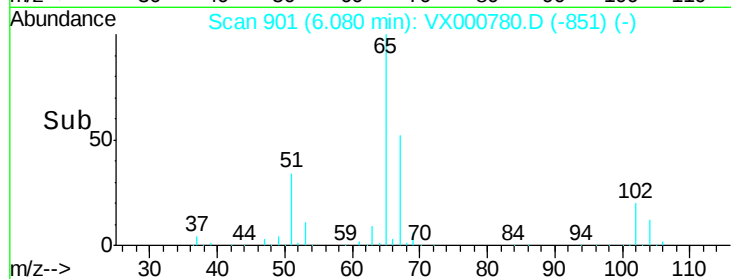
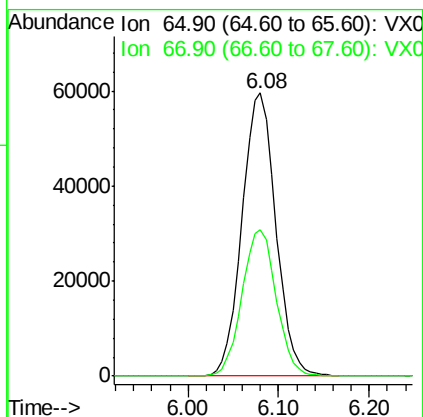
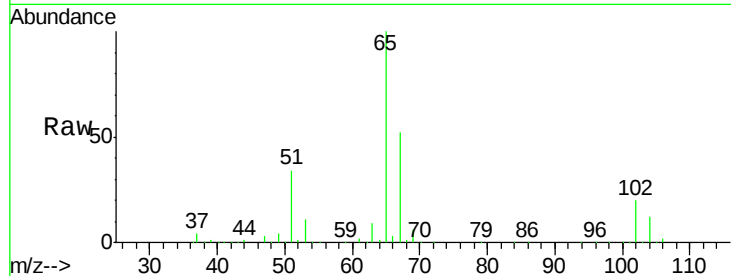




#33
 1,2-Dichloroethane-d4
 Concen: 39.51 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX000780.D
 Acq: 11 Apr 2018 15:56

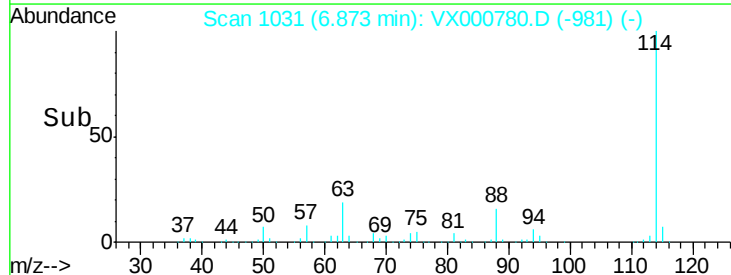
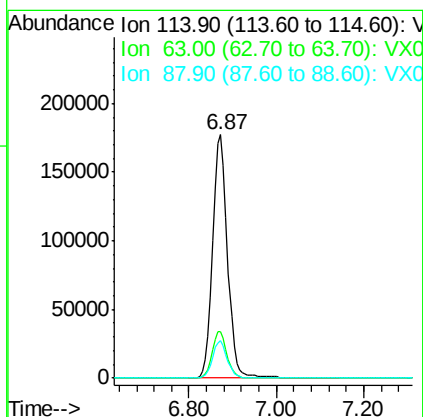
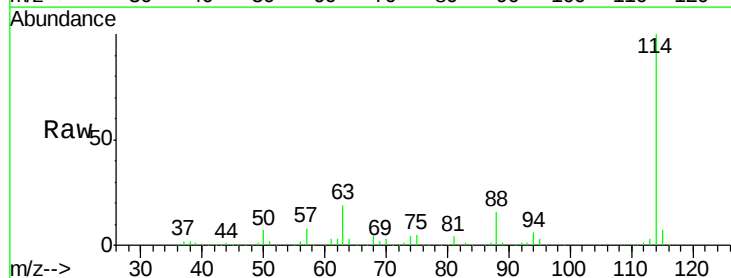
Instrument :
 MSVOA_X
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 PB108143TB

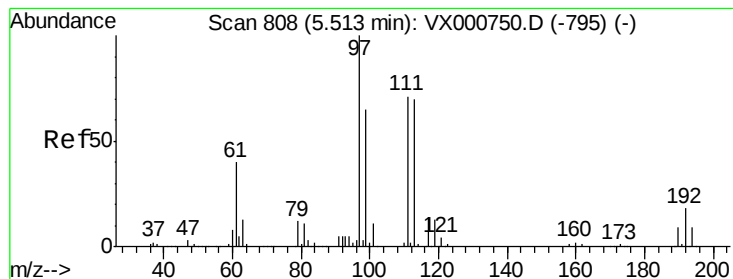
Tgt Ion: 65 Resp: 153786
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000780.D
 Acq: 11 Apr 2018 15:56

Tgt Ion: 114 Resp: 424861
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.4
 88 15.6 0.0 31.0





#35

Dibromofluoromethane

Concen: 40.17 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000780.D

Acq: 11 Apr 2018 15:56

Instrument :

MSVOA_X

ClientSampleId :

PB108143TB

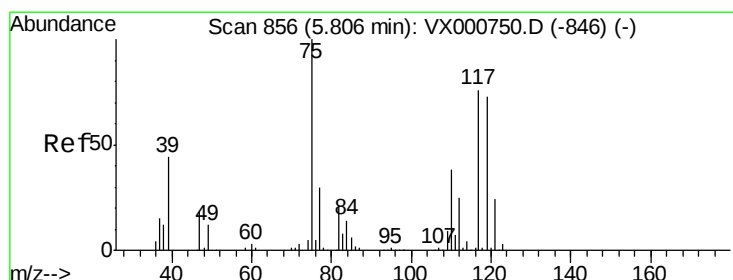
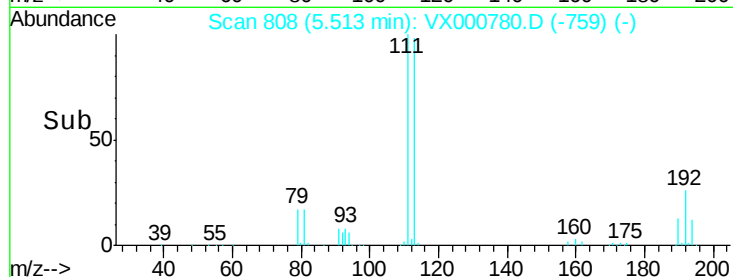
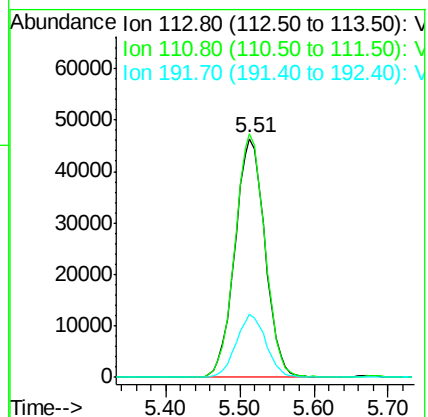
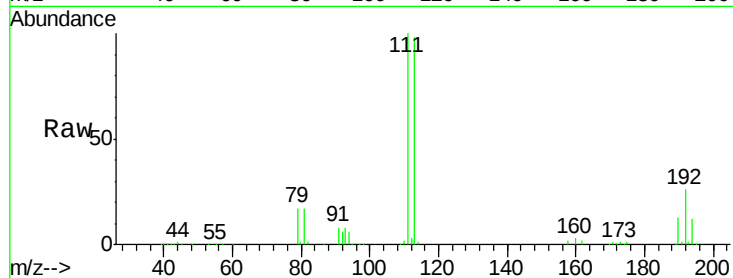
Tgt Ion:113 Resp: 131473

Ion Ratio Lower Upper

113 100

111 101.0 81.5 122.3

192 26.0 20.4 30.6



#36

1,1-Dichloropropene

Concen: 3.83 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000780.D

Acq: 11 Apr 2018 15:56

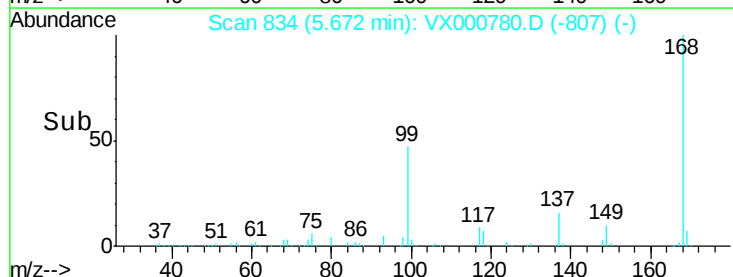
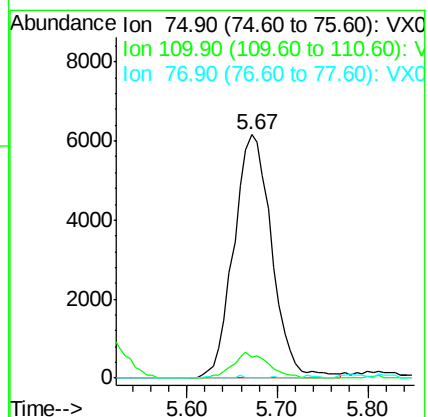
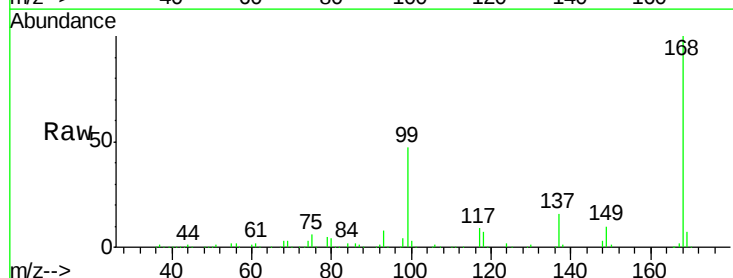
Tgt Ion: 75 Resp: 17925

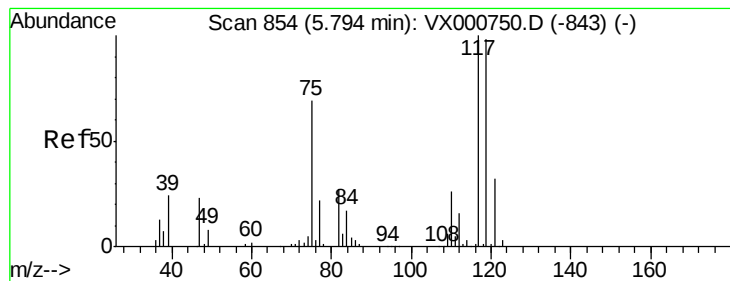
Ion Ratio Lower Upper

75 100

110 9.9 19.2 57.6#

77 0.1 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.04 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000780.D

Acq: 11 Apr 2018 15:56

Instrument :

MSVOA_X

ClientSampled :

PB108143TB

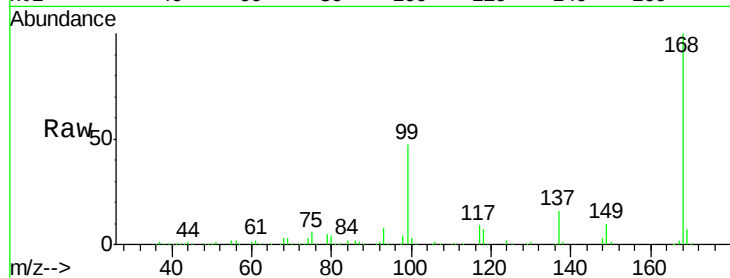
Tgt Ion: 117 Resp: 26417

Ion Ratio Lower Upper

117 100

119 5.2 78.4 117.6#

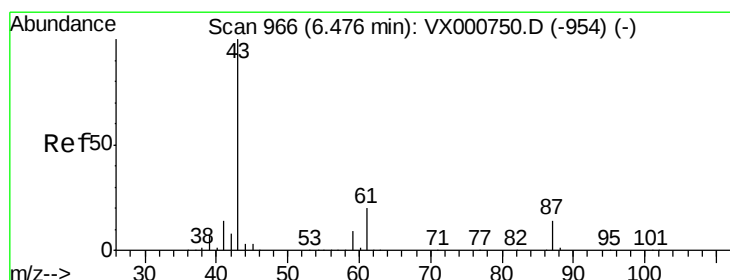
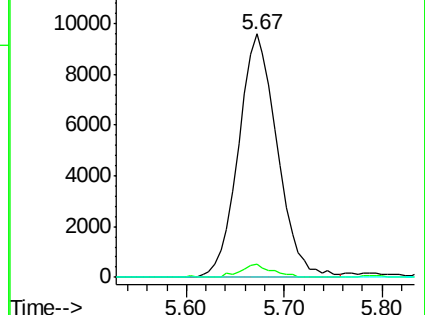
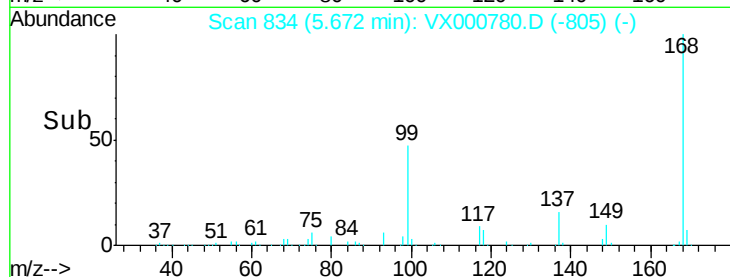
121 0.0 25.4 38.0#



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



#43

Isopropyl Acetate

Concen: 0.30 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000780.D

Acq: 11 Apr 2018 15:56

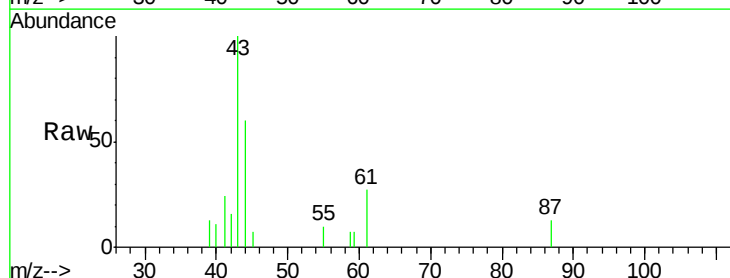
Tgt Ion: 43 Resp: 2331

Ion Ratio Lower Upper

43 100

61 22.1 15.6 23.4

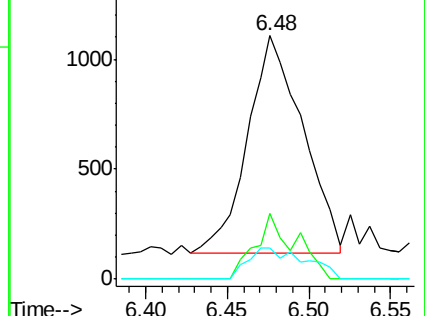
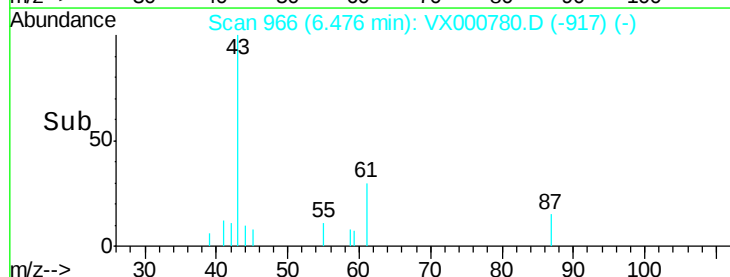
87 15.0 10.7 16.1

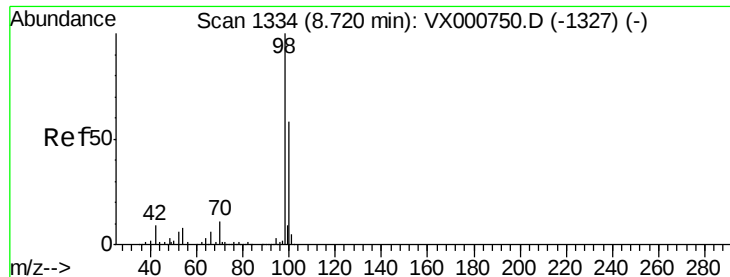


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 40.36 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000780.D

Acq: 11 Apr 2018 15:56

Instrument :

MSVOA_X

ClientSampleId :

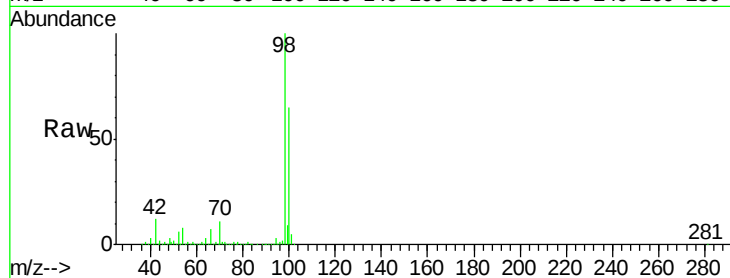
PB108143TB

Tgt Ion: 98 Resp: 491900

Ion Ratio Lower Upper

98 100

100 64.5 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

300000

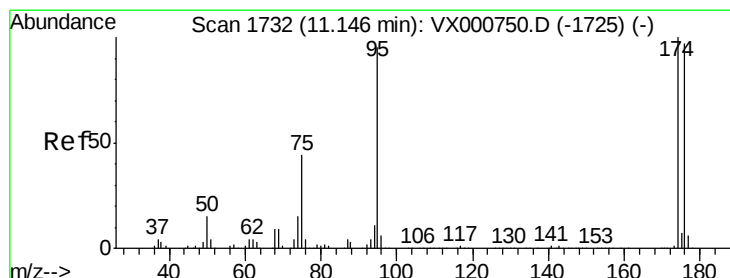
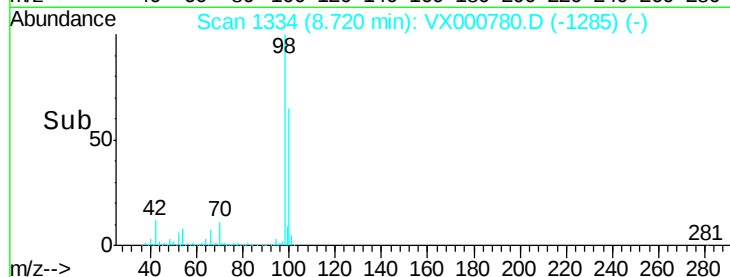
200000

100000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 38.97 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000780.D

Acq: 11 Apr 2018 15:56

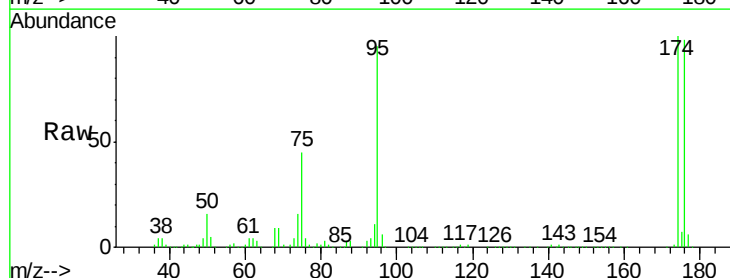
Tgt Ion: 95 Resp: 196479

Ion Ratio Lower Upper

95 100

174 98.4 0.0 198.4

176 95.9 0.0 194.4



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

200000

150000

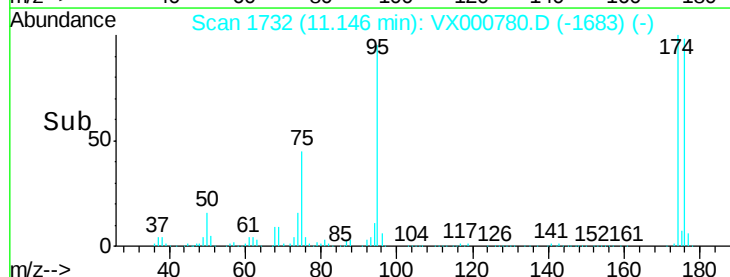
100000

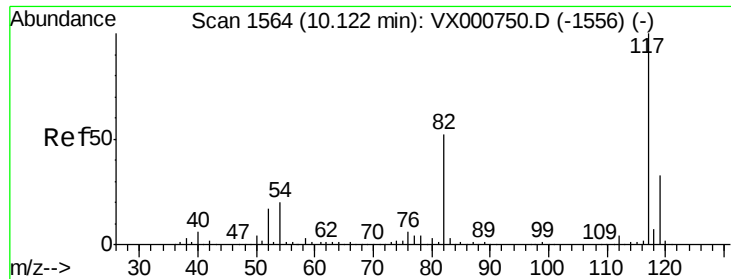
50000

0

11.10 11.20

Time-->

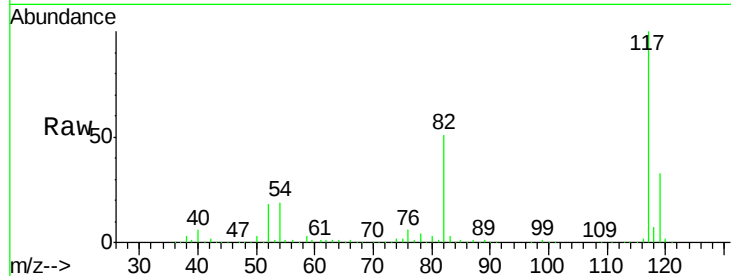




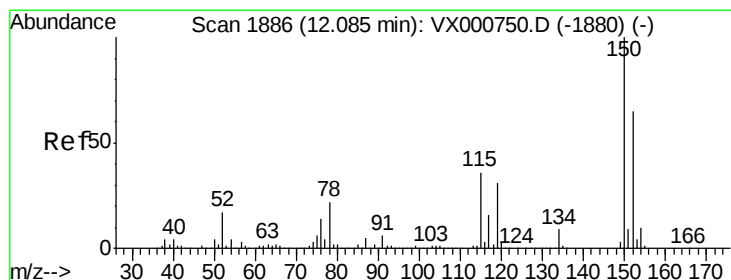
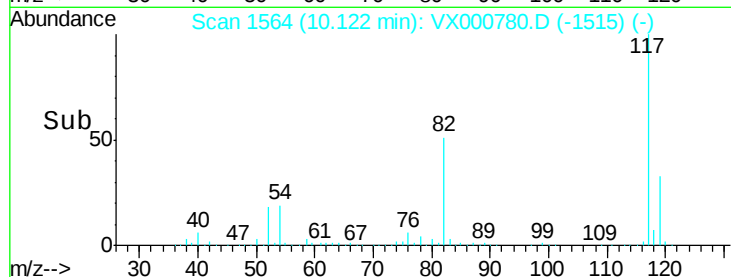
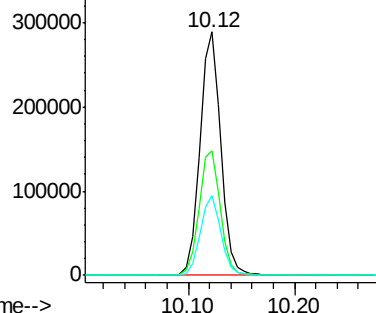
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000780.D
Acq: 11 Apr 2018 15:56

Instrument :
MSVOA_X
ClientSampled :
PB108143TB

Tgt Ion:117 Resp: 396332
Ion Ratio Lower Upper
117 100
82 51.3 41.9 62.9
119 32.7 26.0 39.0

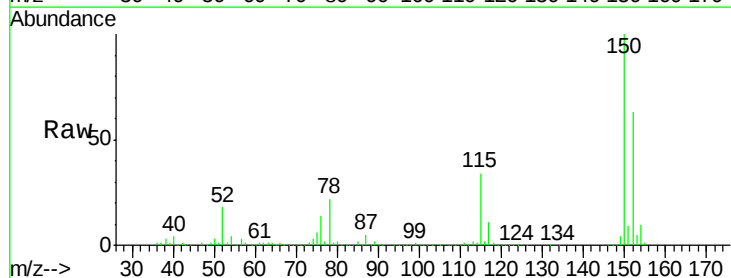


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX
Ion 118.90 (118.60 to 119.60): V

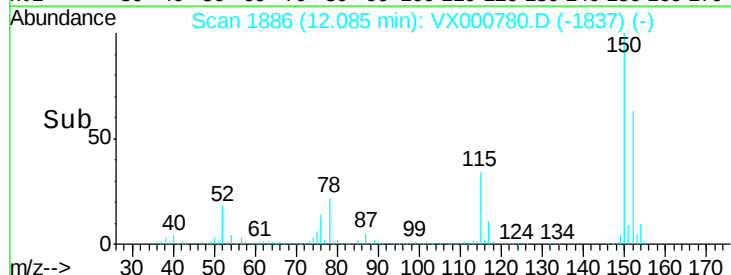
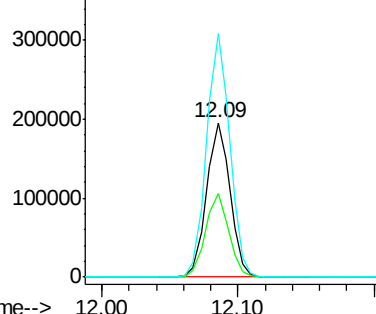


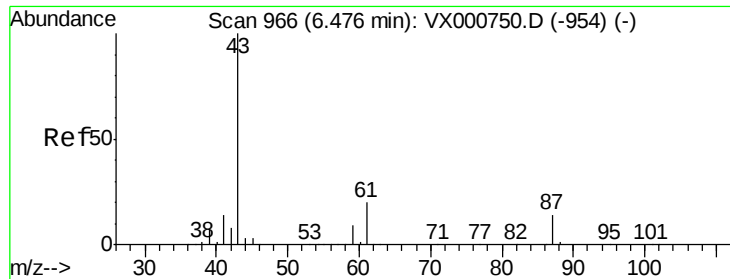
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000780.D
Acq: 11 Apr 2018 15:56

Tgt Ion:152 Resp: 233983
Ion Ratio Lower Upper
152 100
115 53.7 37.9 113.7
150 156.1 0.0 348.0



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: 0.35 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000780.D

Acq: 11 Apr 2018 15:56

Instrument :

MSVOA_X

ClientSampleId :

PB108143TB

Tgt Ion: 43 Resp: 2331

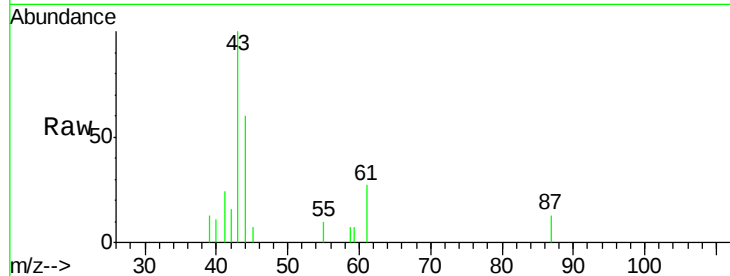
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 8.7 0.0 0.0#

61 22.1 15.6 23.4

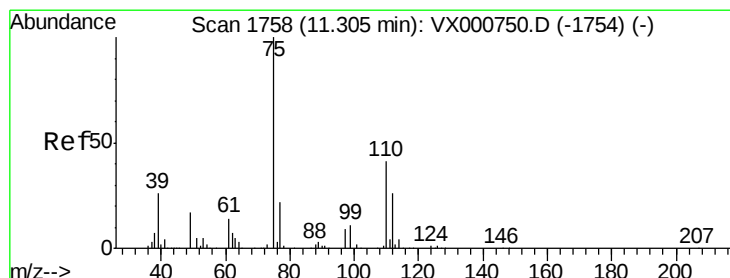
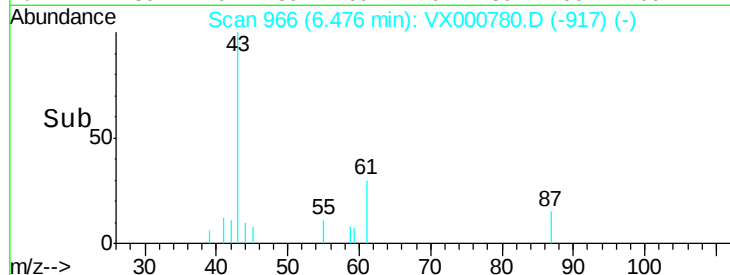
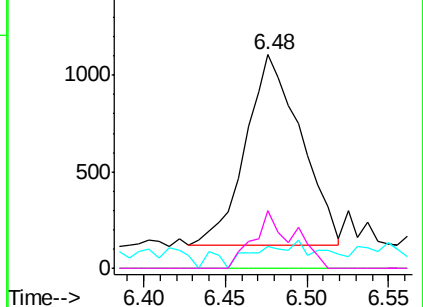


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.89 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000780.D

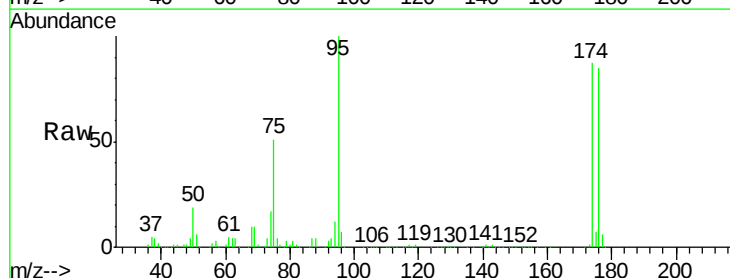
Acq: 11 Apr 2018 15:56

Tgt Ion: 75 Resp: 96419

Ion Ratio Lower Upper

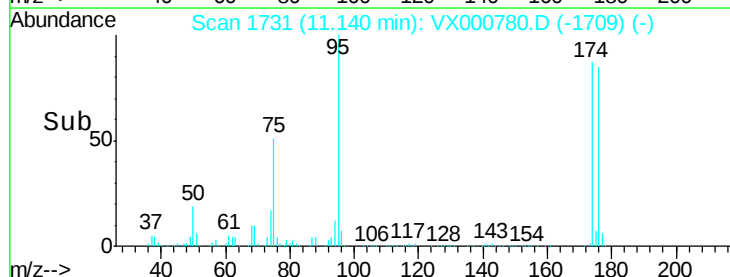
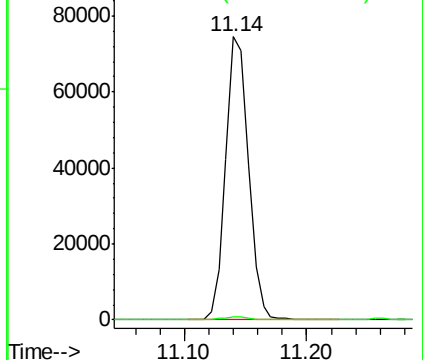
75 100

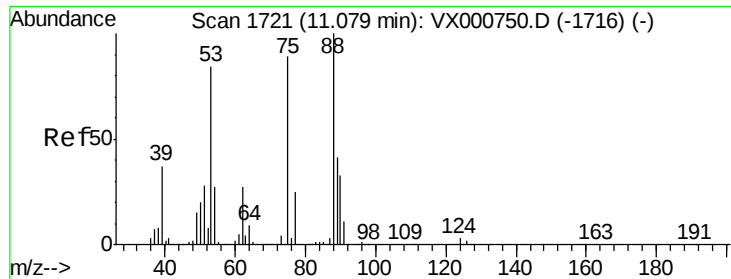
77 1.3 20.5 61.5#



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: 65.73 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000780.D

Acq: 11 Apr 2018 15:56

Instrument :

MSVOA_X

ClientSampleId :

PB108143TB

Tgt Ion: 75 Resp: 96419

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 40.9 61.3#

