

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041118\
 Data File : VX000782.D
 Acq On : 11 Apr 2018 16:47
 Operator : JC/MD
 Sample : PB108114TB 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB108114TB

Quant Time: Apr 12 07:06:59 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	315639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	438678	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	411799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	244837	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	159575	40.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.20%	
35) Dibromofluoromethane	5.51	113	135112	39.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.96%	
50) Toluene-d8	8.73	98	506820	40.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.54%	
62) 4-Bromofluorobenzene	11.15	95	205441	39.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.92%	

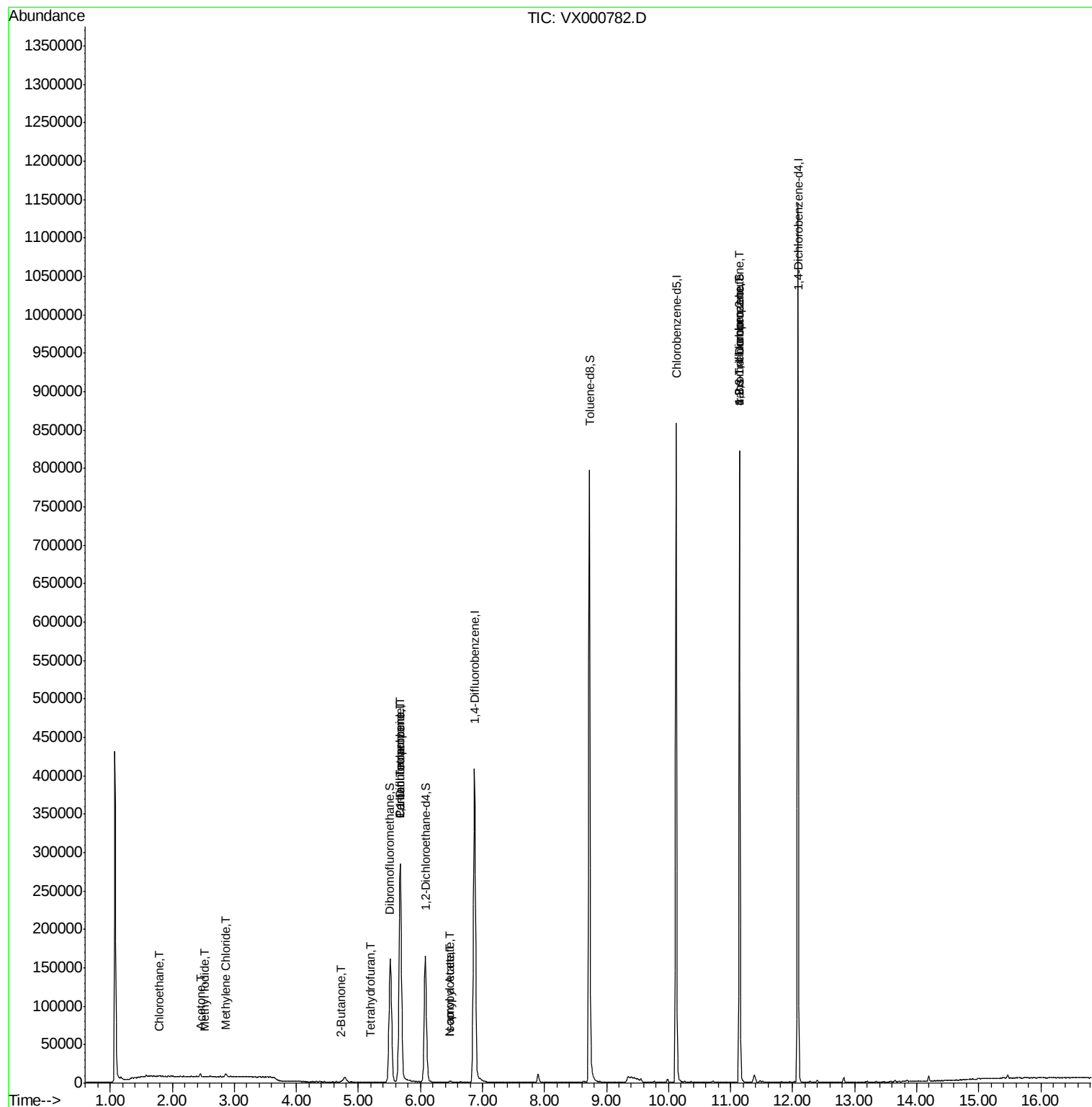
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	338	Below Cal	#	56
6) Chloroethane	1.79	64	606	0.29	ug/l #	48
10) Methyl Iodide	2.52	142	220	8.31	ug/l	92
16) Acetone	2.45	43	3428	2.50	ug/l	97
20) Methylene Chloride	2.87	84	2245	0.70	ug/l	98
25) 2-Butanone	4.71	43	897	0.40	ug/l	92
29) Tetrahydrofuran	5.20	42	576	0.40	ug/l #	48
36) 1,1-Dichloropropene	5.68	75	18814	3.89	ug/l #	49
38) Carbon Tetrachloride	5.67	117	27123	5.02	ug/l #	14
43) Isopropyl Acetate	6.48	43	2585	0.32	ug/l #	93
74) N-amyl acetate	6.48	43	2585	0.37	ug/l #	90
76) 1,2,3-Trichloropropane	11.15	75	100805	23.87	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.15	75	100805	65.67	ug/l #	11

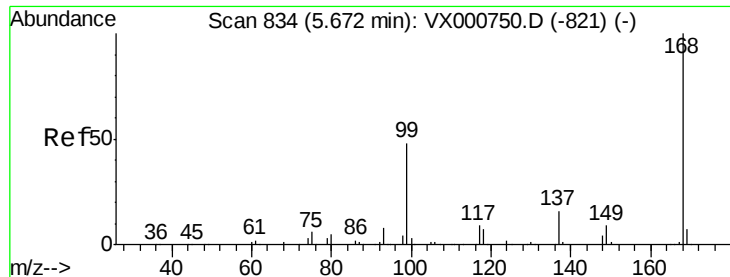
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX000782.D

Acq: 11 Apr 2018 16:47

Instrument :

MSVOA_X

ClientSampleId :

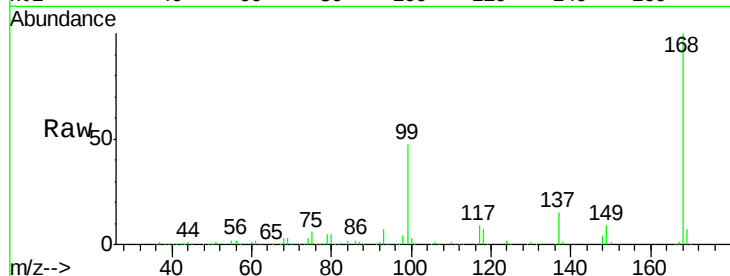
PB108114TB

Tgt Ion:168 Resp: 315639

Ion Ratio Lower Upper

168 100

99 46.6 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

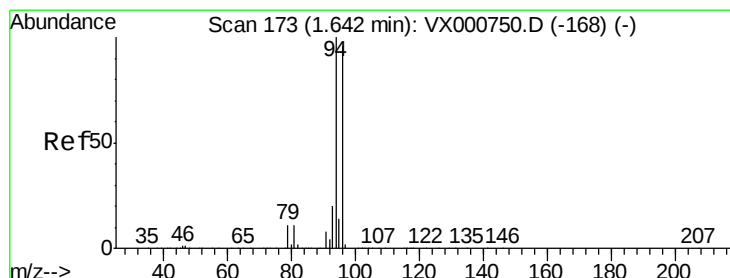
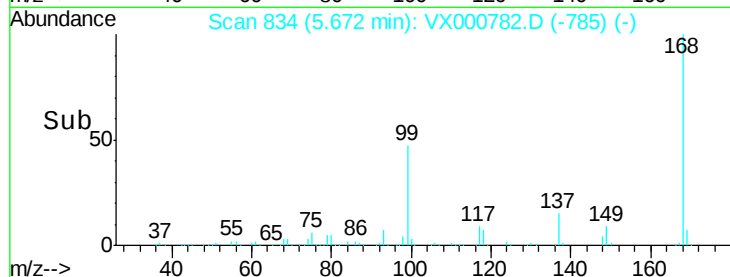
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000782.D

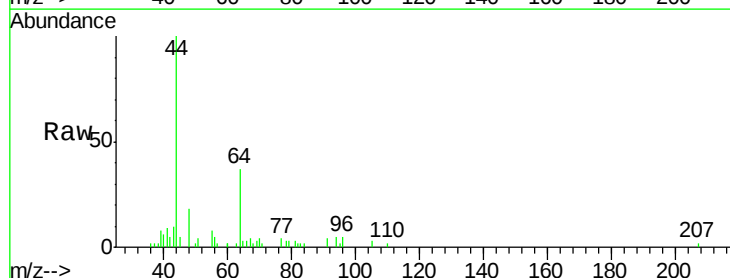
Acq: 11 Apr 2018 16:47

Tgt Ion: 94 Resp: 338

Ion Ratio Lower Upper

94 100

96 53.0 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

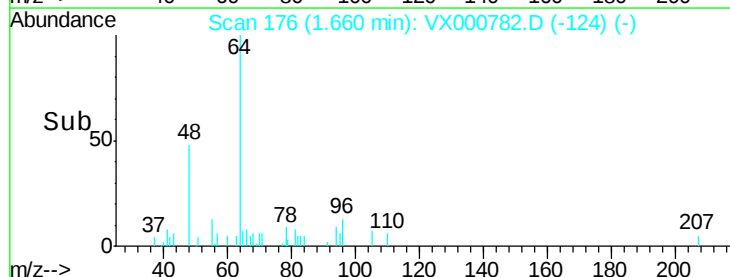
150

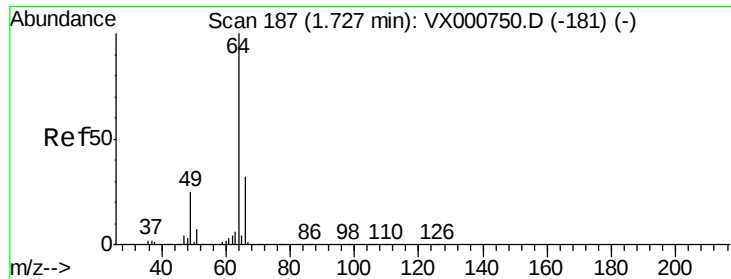
100

50

0

Time-->





#6

Chloroethane

Concen: 0.29 ug/l

RT: 1.79 min Scan# 198

Delta R.T. 0.07 min

Lab File: VX000782.D

Acq: 11 Apr 2018 16:47

Instrument :

MSVOA_X

ClientSampled :

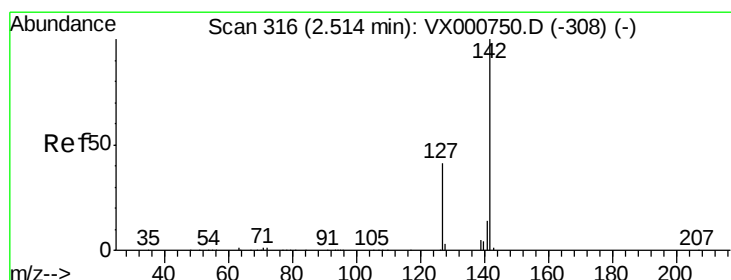
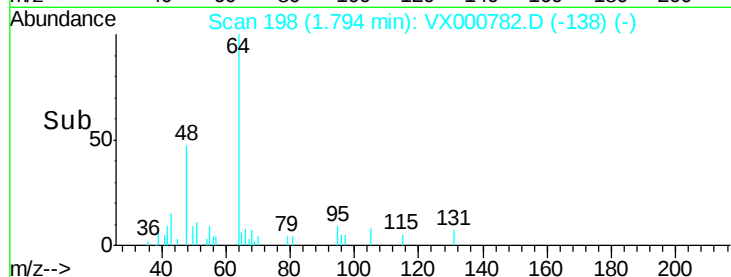
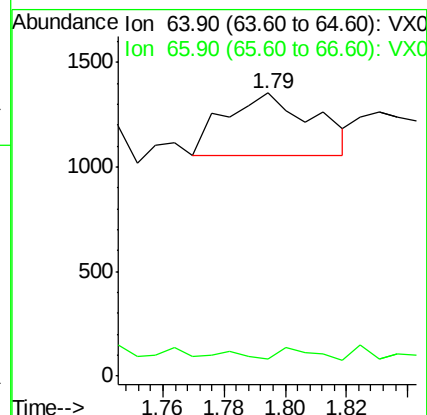
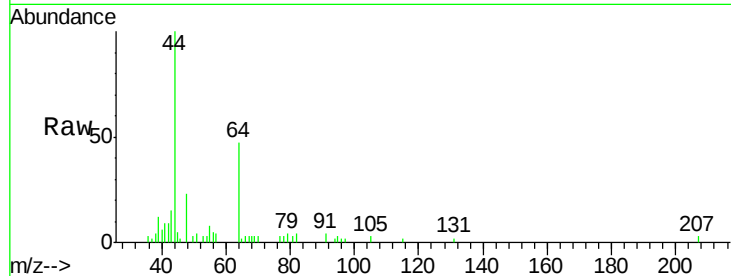
PB108114TB

Tgt Ion: 64 Resp: 606

Ion Ratio Lower Upper

64 100

66 3.0 25.3 37.9#



#10

Methyl Iodide

Concen: 8.31 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX000782.D

Acq: 11 Apr 2018 16:47

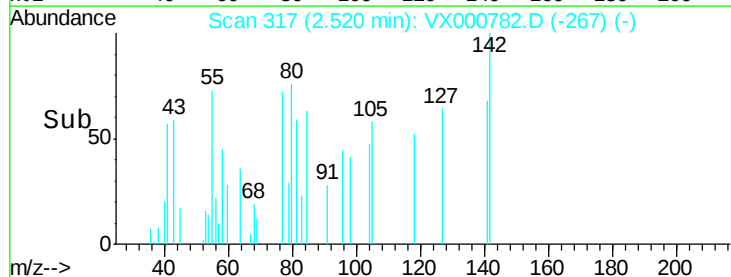
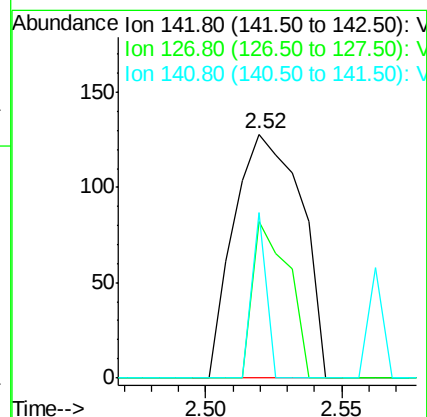
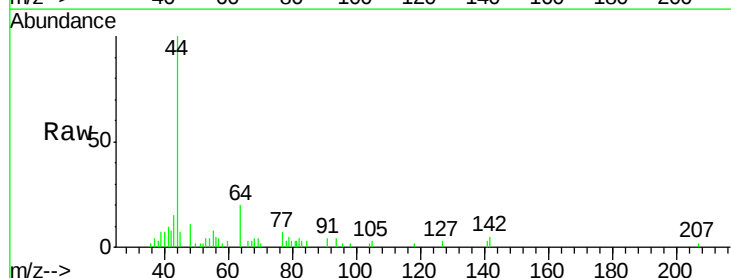
Tgt Ion: 142 Resp: 220

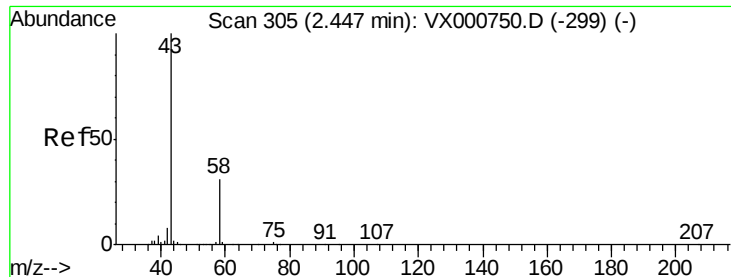
Ion Ratio Lower Upper

142 100

127 34.1 32.6 49.0

141 14.5 11.5 17.3





#16

Acetone

Concen: 2.50 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000782.D

Acq: 11 Apr 2018 16:47

Instrument :

MSVOA_X

ClientSampled :

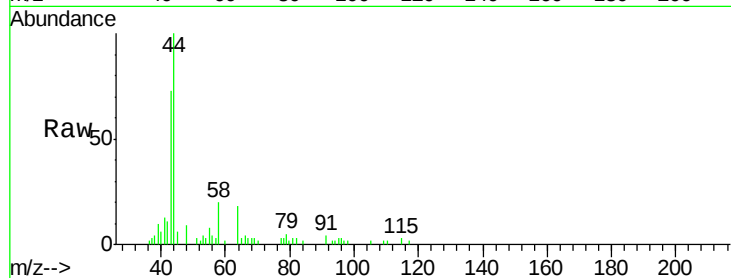
PB108114TB

Tgt Ion: 43 Resp: 3428

Ion Ratio Lower Upper

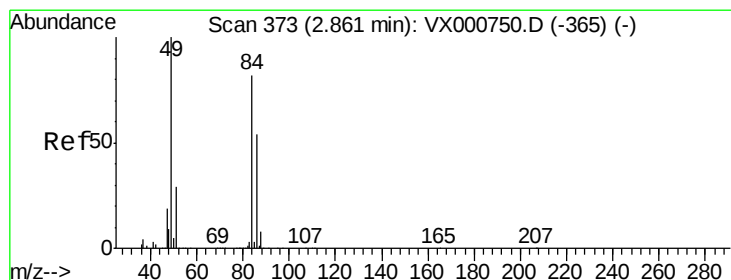
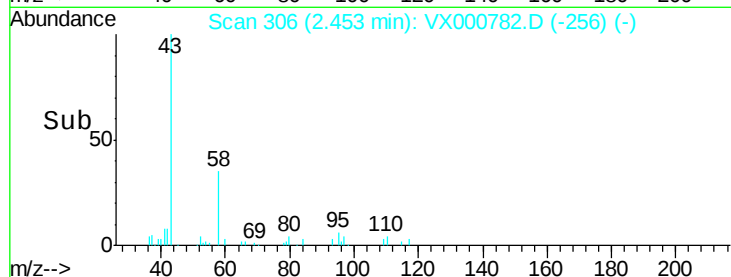
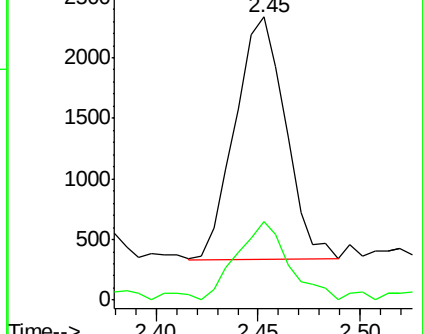
43 100

58 32.4 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.70 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX000782.D

Acq: 11 Apr 2018 16:47

Tgt Ion: 84 Resp: 2245

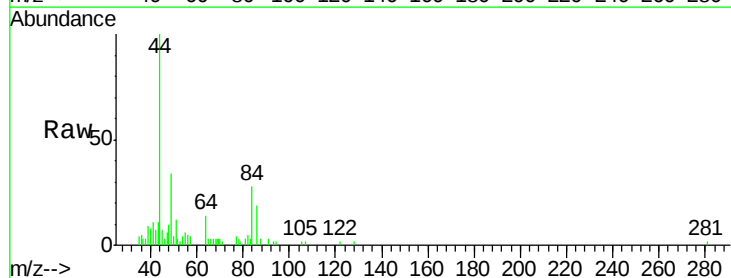
Ion Ratio Lower Upper

84 100

49 121.5 98.1 147.1

51 31.9 28.9 43.3

86 67.3 52.7 79.1

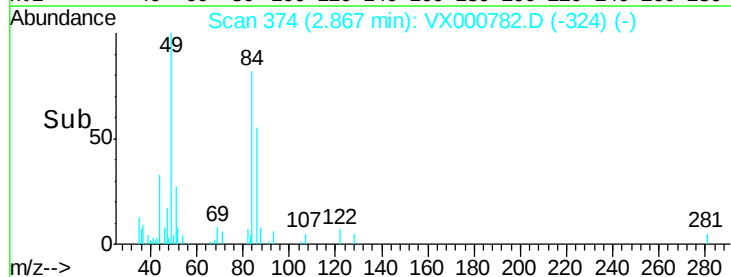
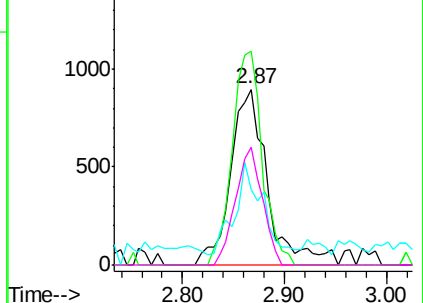


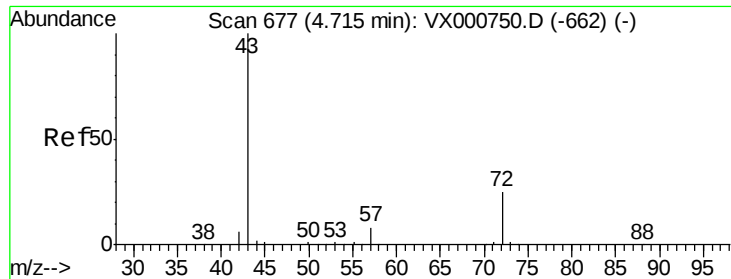
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.40 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX000782.D

Acq: 11 Apr 2018 16:47

Instrument :

MSVOA_X

ClientSampleId :

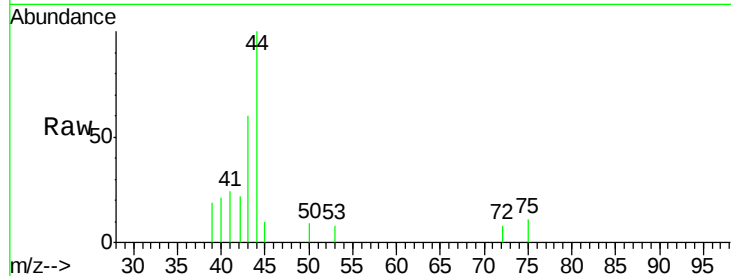
PB108114TB

Tgt Ion: 43 Resp: 897

Ion Ratio Lower Upper

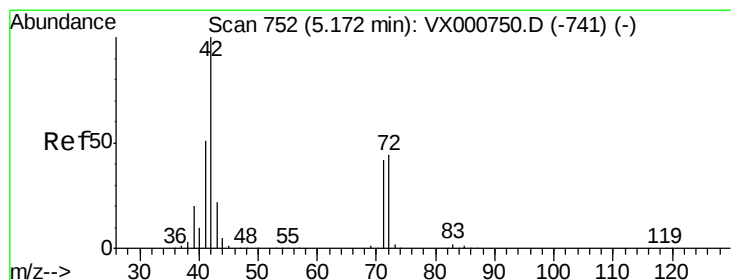
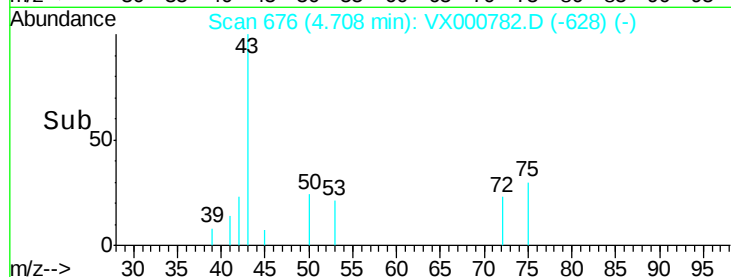
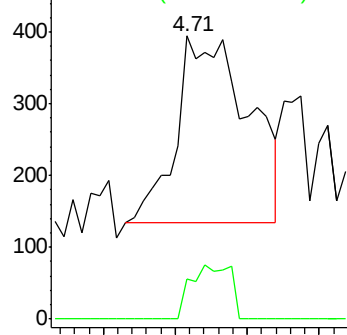
43 100

72 21.2 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.40 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX000782.D

Acq: 11 Apr 2018 16:47

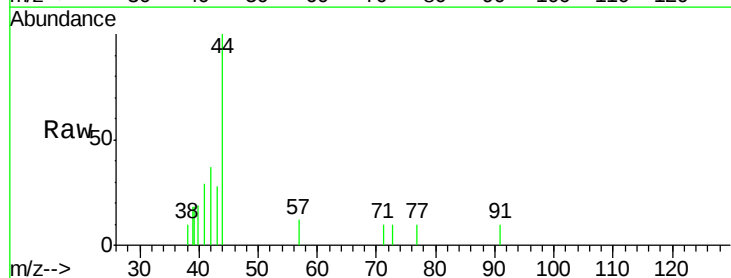
Tgt Ion: 42 Resp: 576

Ion Ratio Lower Upper

42 100

72 0.0 35.1 52.7#

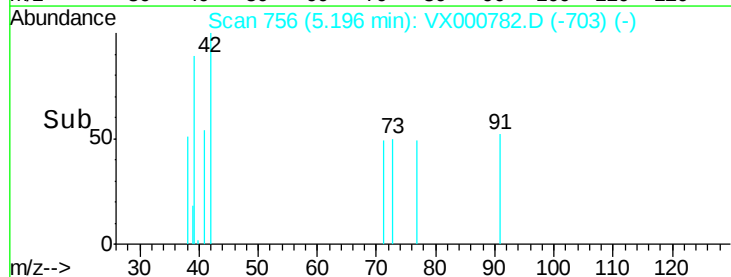
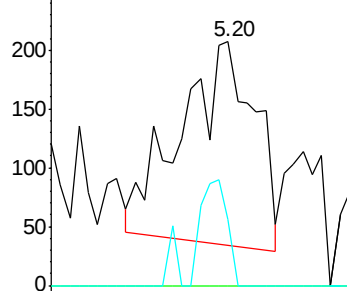
71 19.1 32.8 49.2#

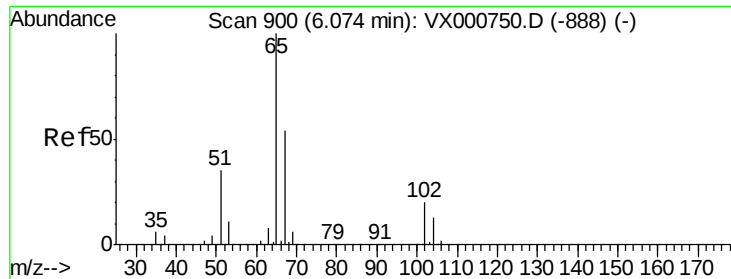


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 40.10 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000782.D

Acq: 11 Apr 2018 16:47

Instrument :

MSVOA_X

ClientSampleId :

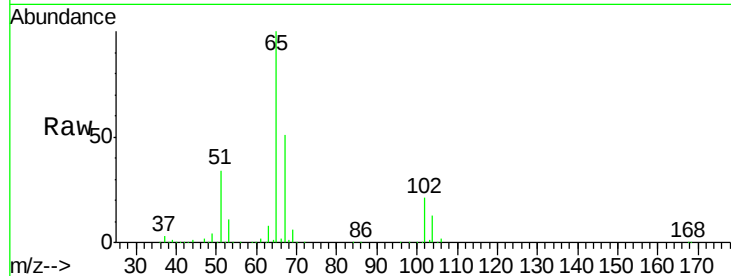
PB108114TB

Tgt Ion: 65 Resp: 159575

Ion Ratio Lower Upper

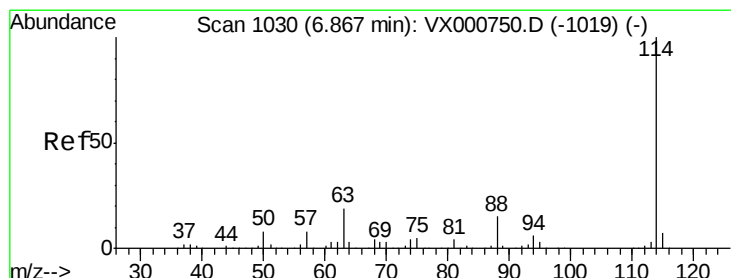
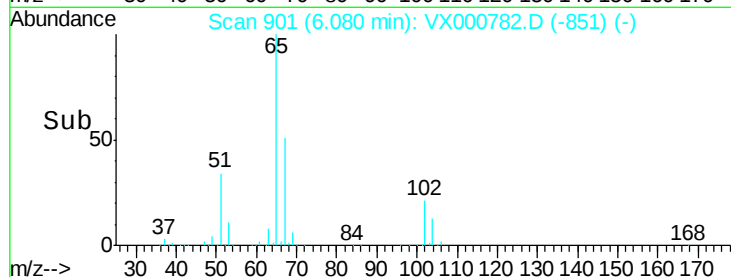
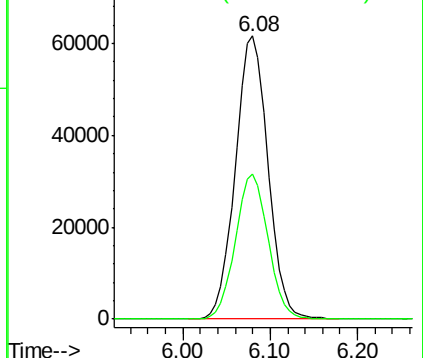
65 100

67 51.7 0.0 103.8



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: VX000782.D

Acq: 11 Apr 2018 16:47

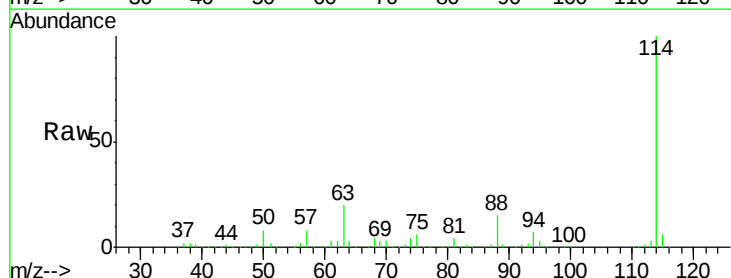
Tgt Ion: 114 Resp: 438678

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

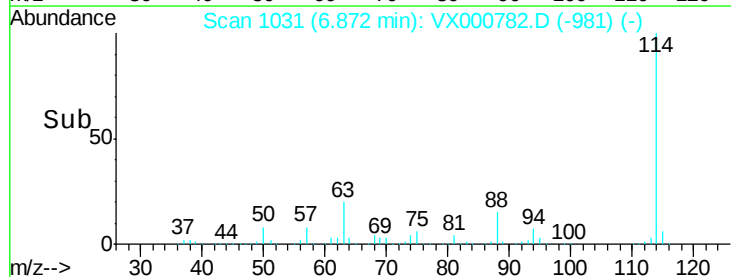
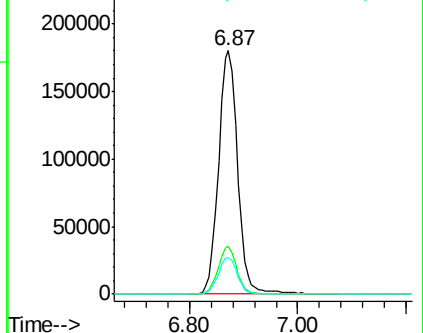
88 15.1 0.0 31.0

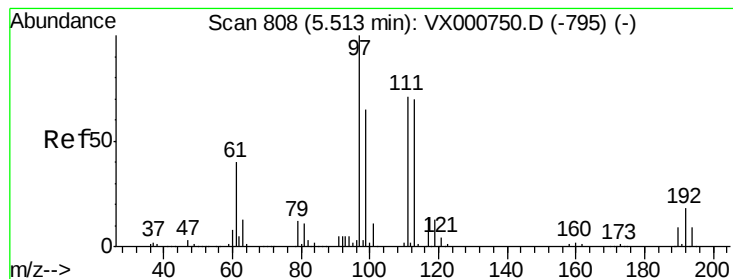


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 39.98 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000782.D

Acq: 11 Apr 2018 16:47

Instrument :

MSVOA_X

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PB108114TB

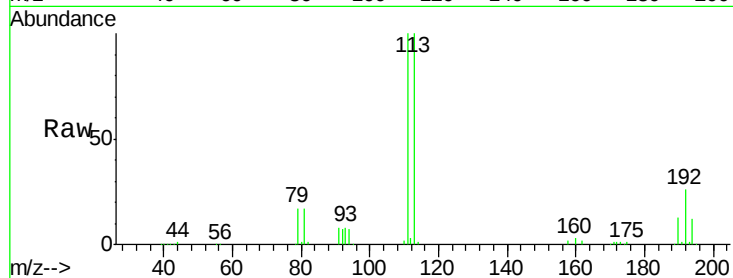
Tgt Ion:113 Resp: 135112

Ion Ratio Lower Upper

113 100

111 101.5 81.5 122.3

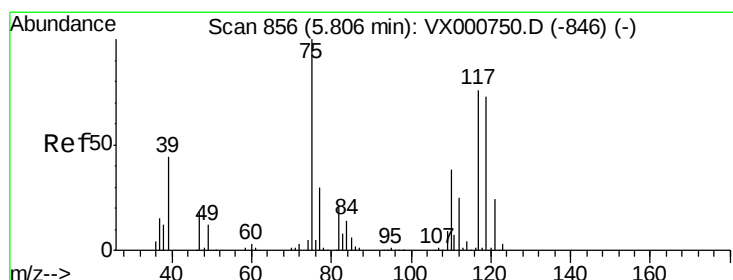
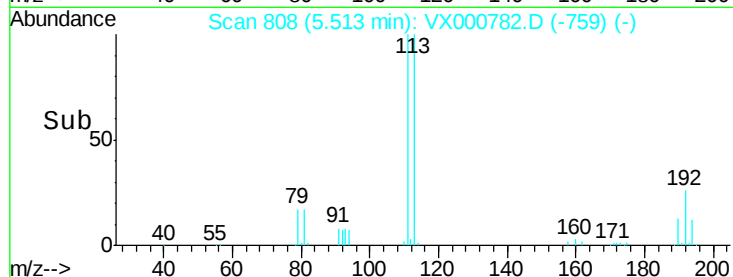
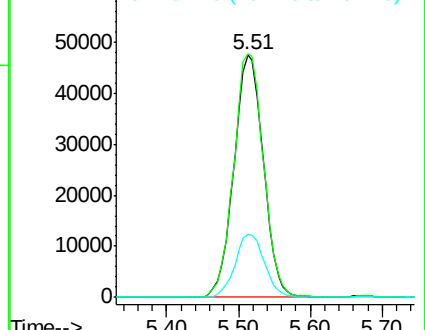
192 26.0 20.4 30.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 3.89 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000782.D

Acq: 11 Apr 2018 16:47

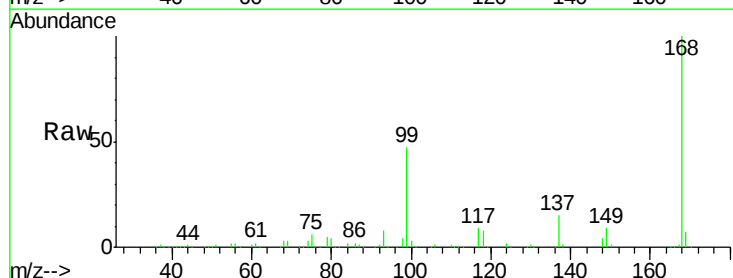
Tgt Ion: 75 Resp: 18814

Ion Ratio Lower Upper

75 100

110 10.5 19.2 57.6#

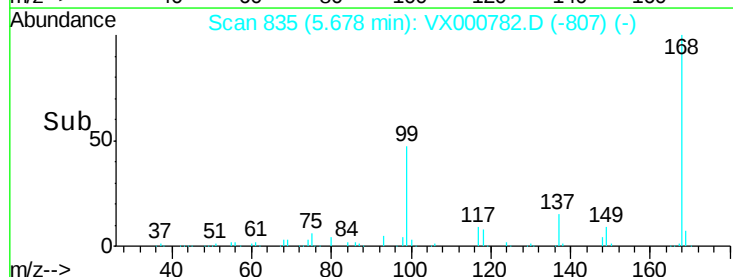
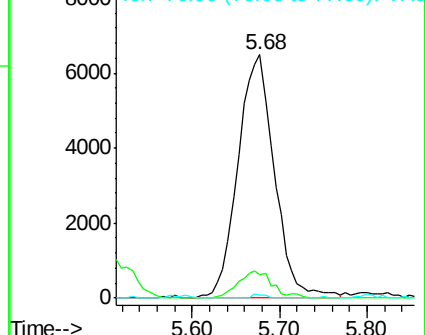
77 0.5 25.4 38.2#

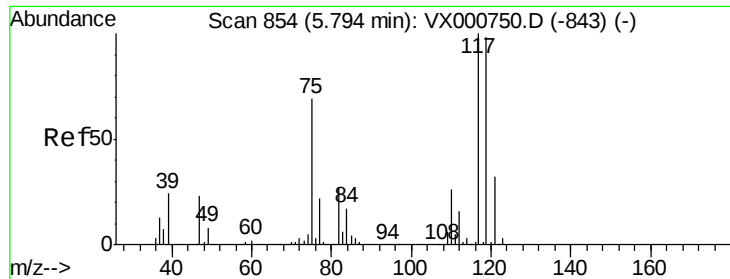


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.02 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000782.D

Acq: 11 Apr 2018 16:47

Instrument :

MSVOA_X

ClientSampled :

PB108114TB

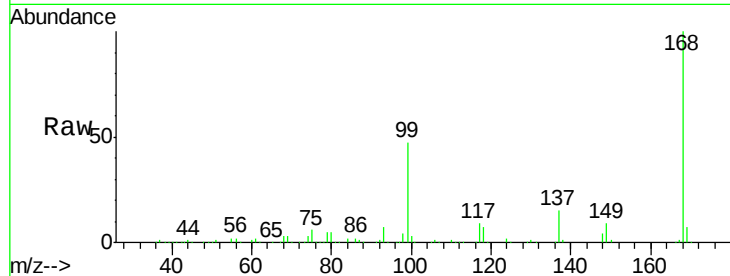
Tgt Ion:117 Resp: 27123

Ion Ratio Lower Upper

117 100

119 3.6 78.4 117.6#

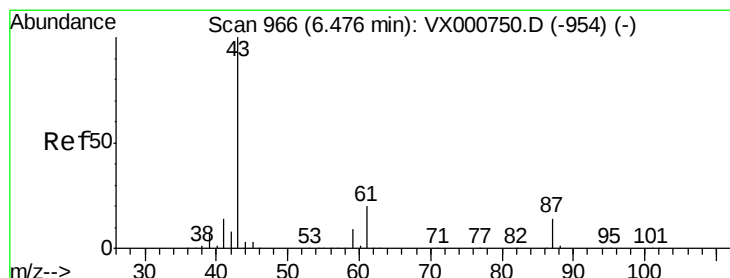
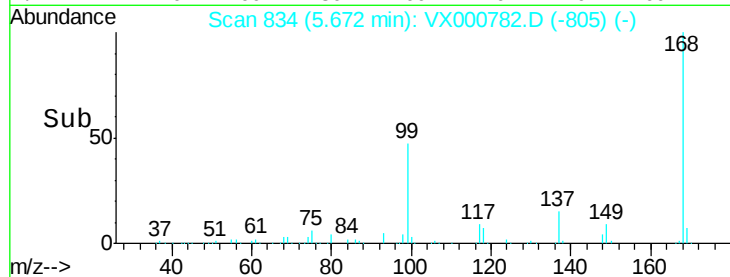
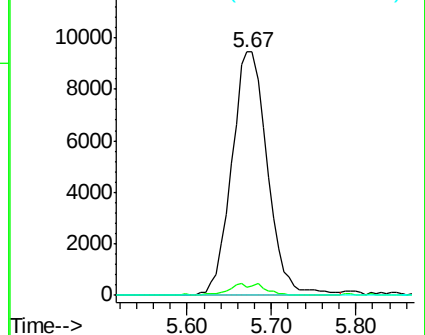
121 0.0 25.4 38.0#



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: 0.32 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000782.D

Acq: 11 Apr 2018 16:47

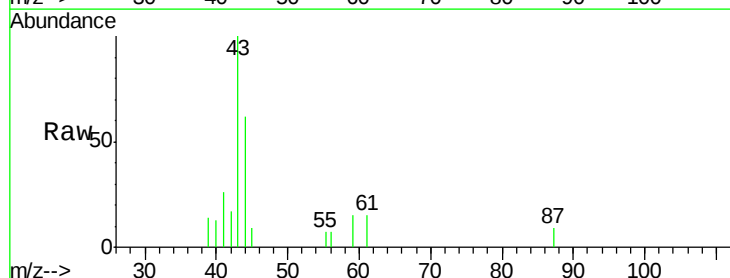
Tgt Ion: 43 Resp: 2585

Ion Ratio Lower Upper

43 100

61 15.1 15.6 23.4#

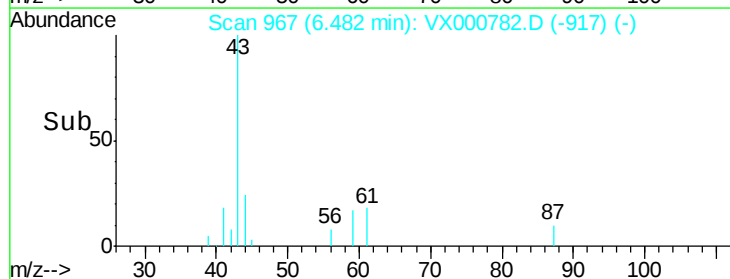
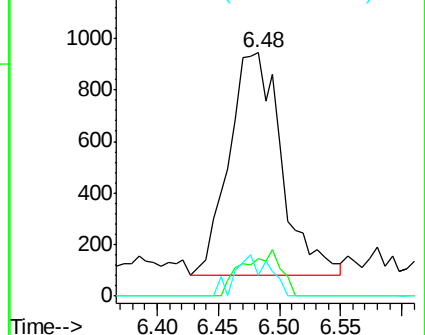
87 12.1 10.7 16.1

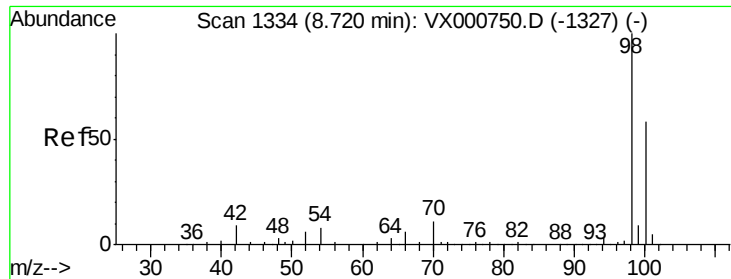


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

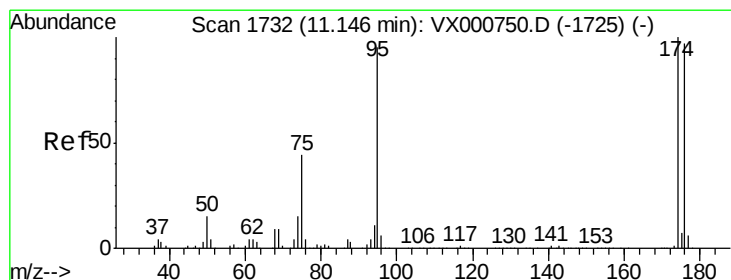
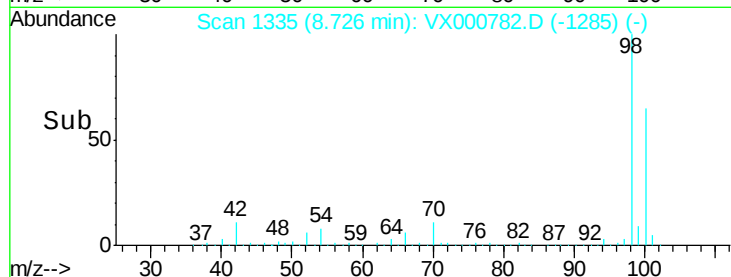
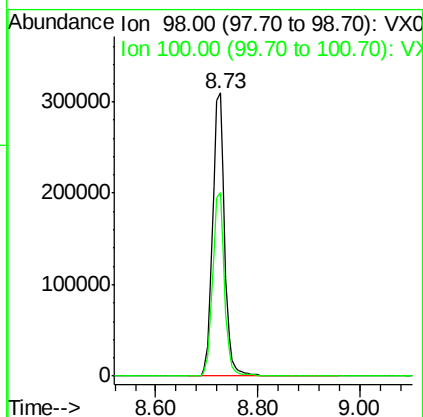
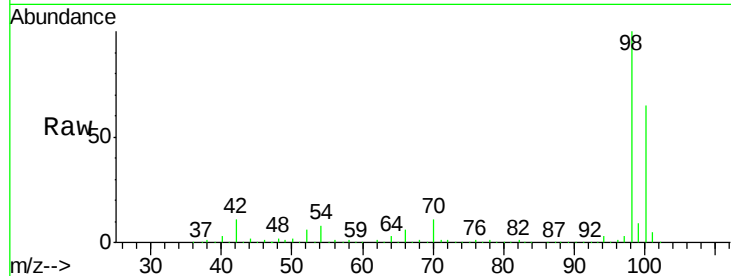




#50
Toluene-d8
Concen: 40.27 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.01 min
Lab File: VX000782.D
Acq: 11 Apr 2018 16:47

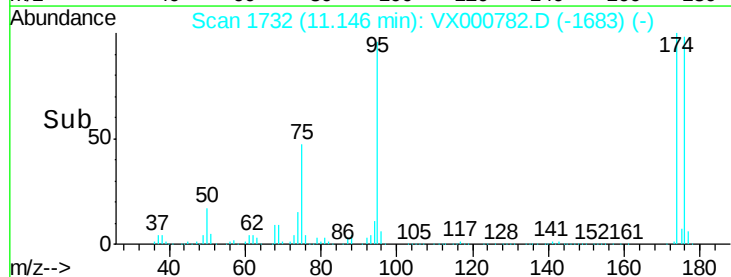
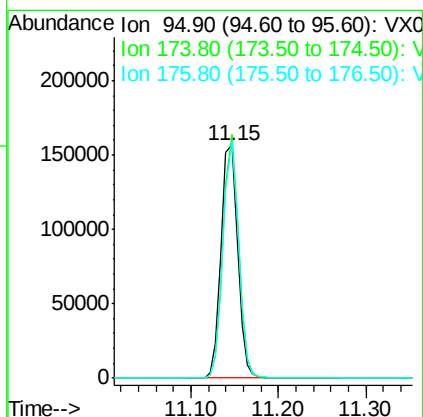
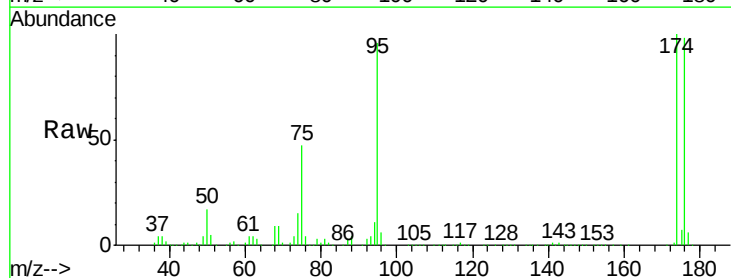
Instrument :
MSVOA_X
ClientSampleId :
PB108114TB

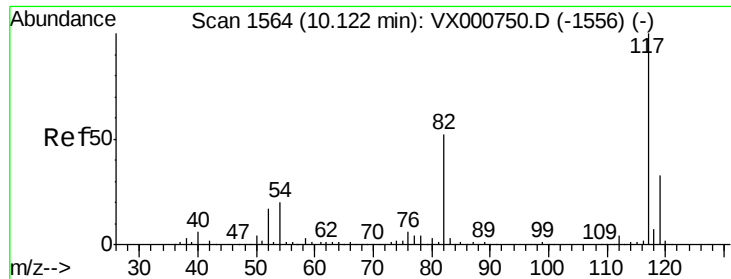
Tgt Ion: 98 Resp: 506820
Ion Ratio Lower Upper
98 100
100 64.2 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 39.46 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000782.D
Acq: 11 Apr 2018 16:47

Tgt Ion: 95 Resp: 205441
Ion Ratio Lower Upper
95 100
174 98.1 0.0 198.4
176 96.0 0.0 194.4

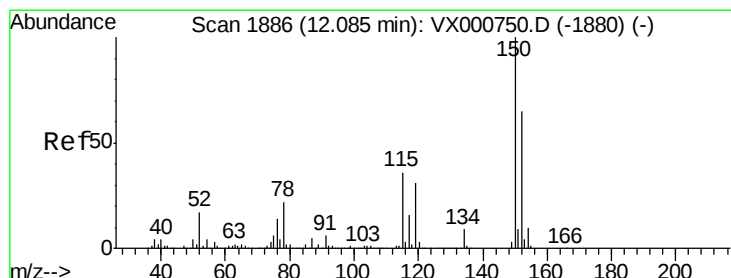
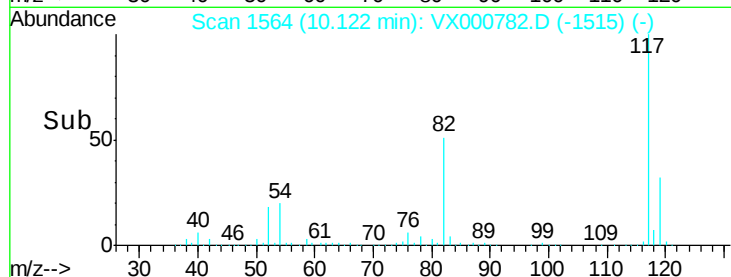
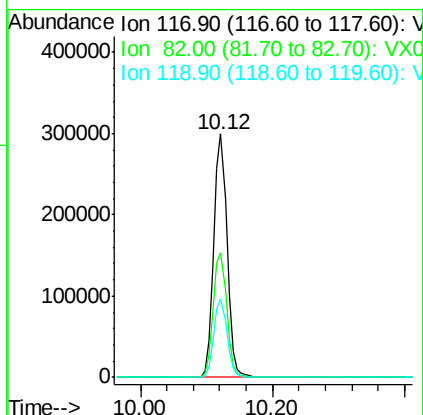
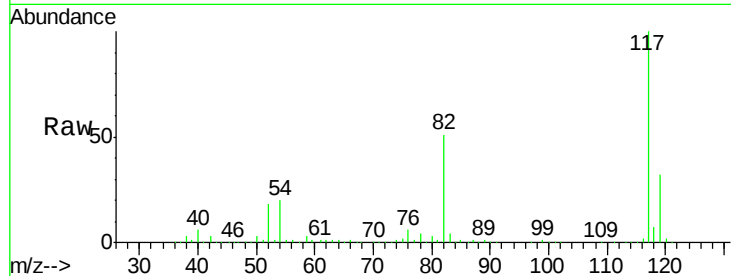




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000782.D
Acq: 11 Apr 2018 16:47

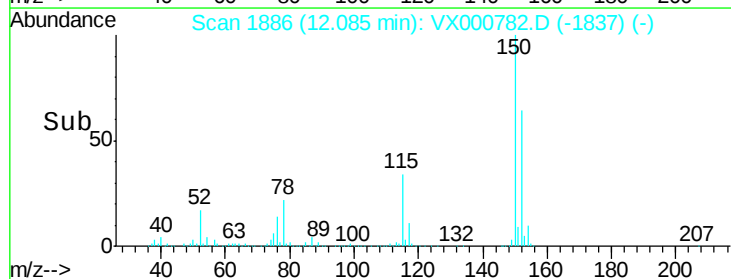
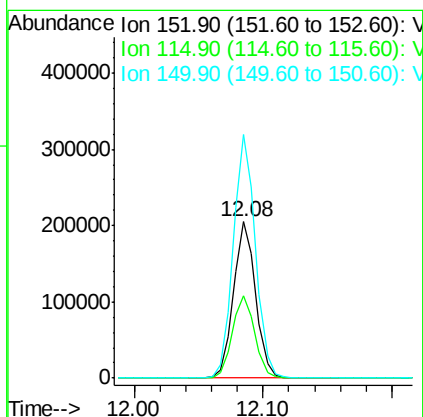
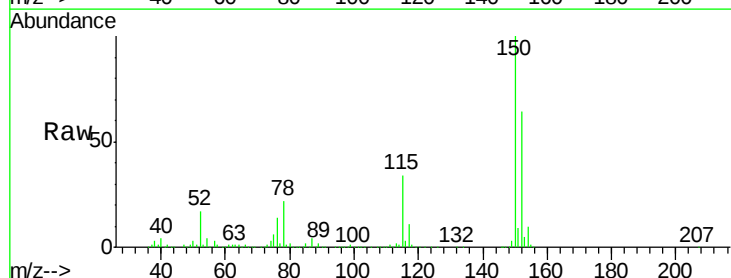
Instrument :
MSVOA_X
ClientSampleId :
PB108114TB

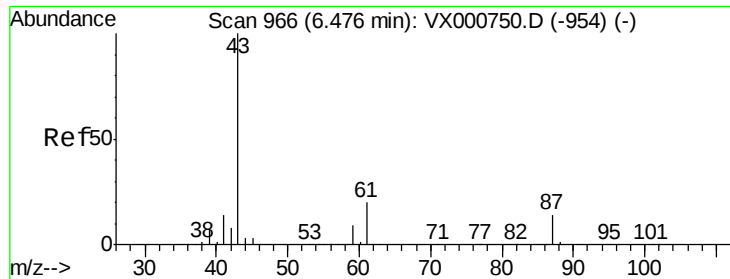
Tgt Ion:117 Resp: 411799
Ion Ratio Lower Upper
117 100
82 51.1 41.9 62.9
119 32.0 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000782.D
Acq: 11 Apr 2018 16:47

Tgt Ion:152 Resp: 244837
Ion Ratio Lower Upper
152 100
115 53.6 37.9 113.7
150 156.3 0.0 348.0





#74

N-amyI acetate

Concen: 0.37 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000782.D

Acq: 11 Apr 2018 16:47

Instrument :

MSVOA_X

ClientSampleId :

PB108114TB

Tgt Ion: 43 Resp: 2585

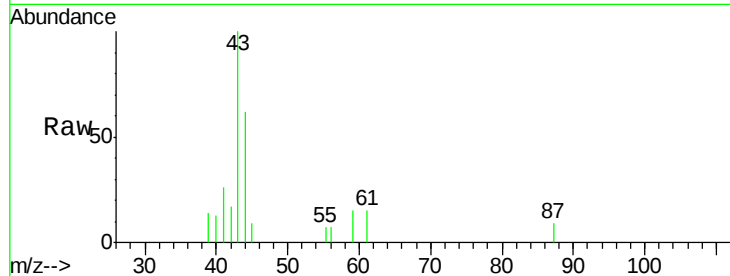
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 1.5 0.0 0.0#

61 15.1 15.6 23.4#

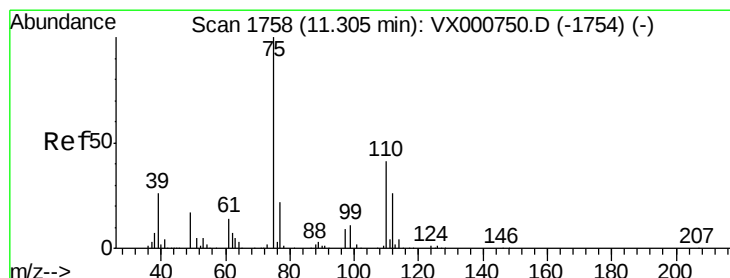
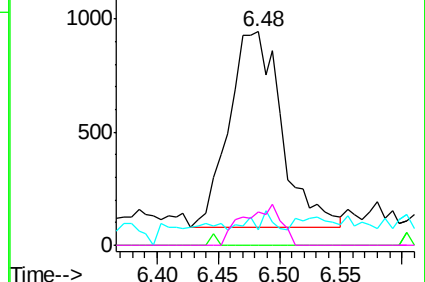
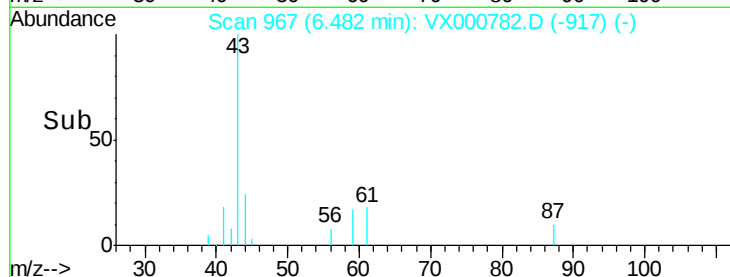


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.87 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000782.D

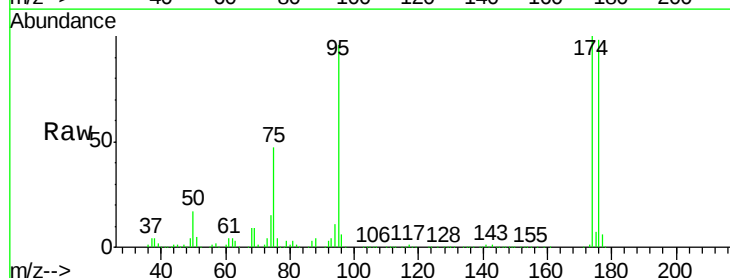
Acq: 11 Apr 2018 16:47

Tgt Ion: 75 Resp: 100805

Ion Ratio Lower Upper

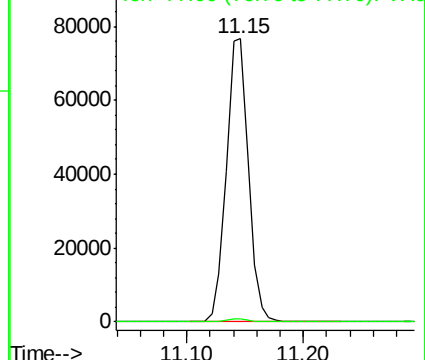
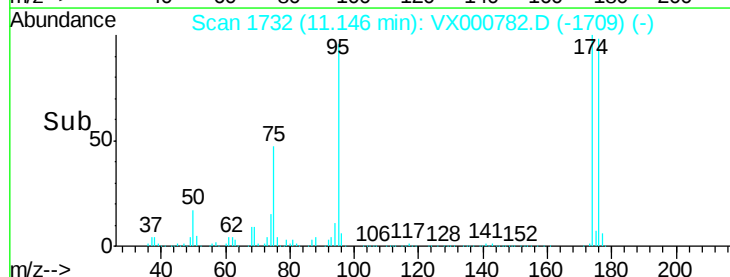
75 100

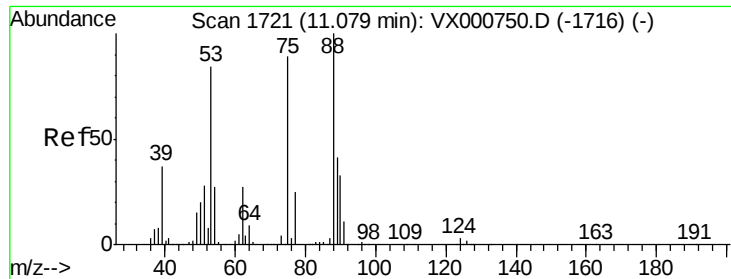
77 1.1 20.5 61.5#



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: 65.67 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX000782.D

Acq: 11 Apr 2018 16:47

Instrument :

MSVOA_X

ClientSampleId :

PB108114TB

Tgt Ion: 75 Resp: 100805

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 40.9 61.3#

