

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071018\
 Data File : VX003293.D
 Acq On : 10 Jul 2018 19:15
 Operator : JC/MD
 Sample : PB110944ZHE#07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB110944ZHE#07

Quant Time: Jul 11 00:54:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	249069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	348225	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	331452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	180642	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	164430	41.95	ug/l	0.00
Spiked Amount			Recovery	=	83.90%	
35) Dibromofluoromethane	5.51	113	136548	36.50	ug/l	0.00
Spiked Amount			Recovery	=	73.00%	
50) Toluene-d8	8.72	98	495595	37.30	ug/l	0.00
Spiked Amount			Recovery	=	74.60%	
62) 4-Bromofluorobenzene	11.14	95	168531	34.32	ug/l	0.00
Spiked Amount			Recovery	=	68.64%	

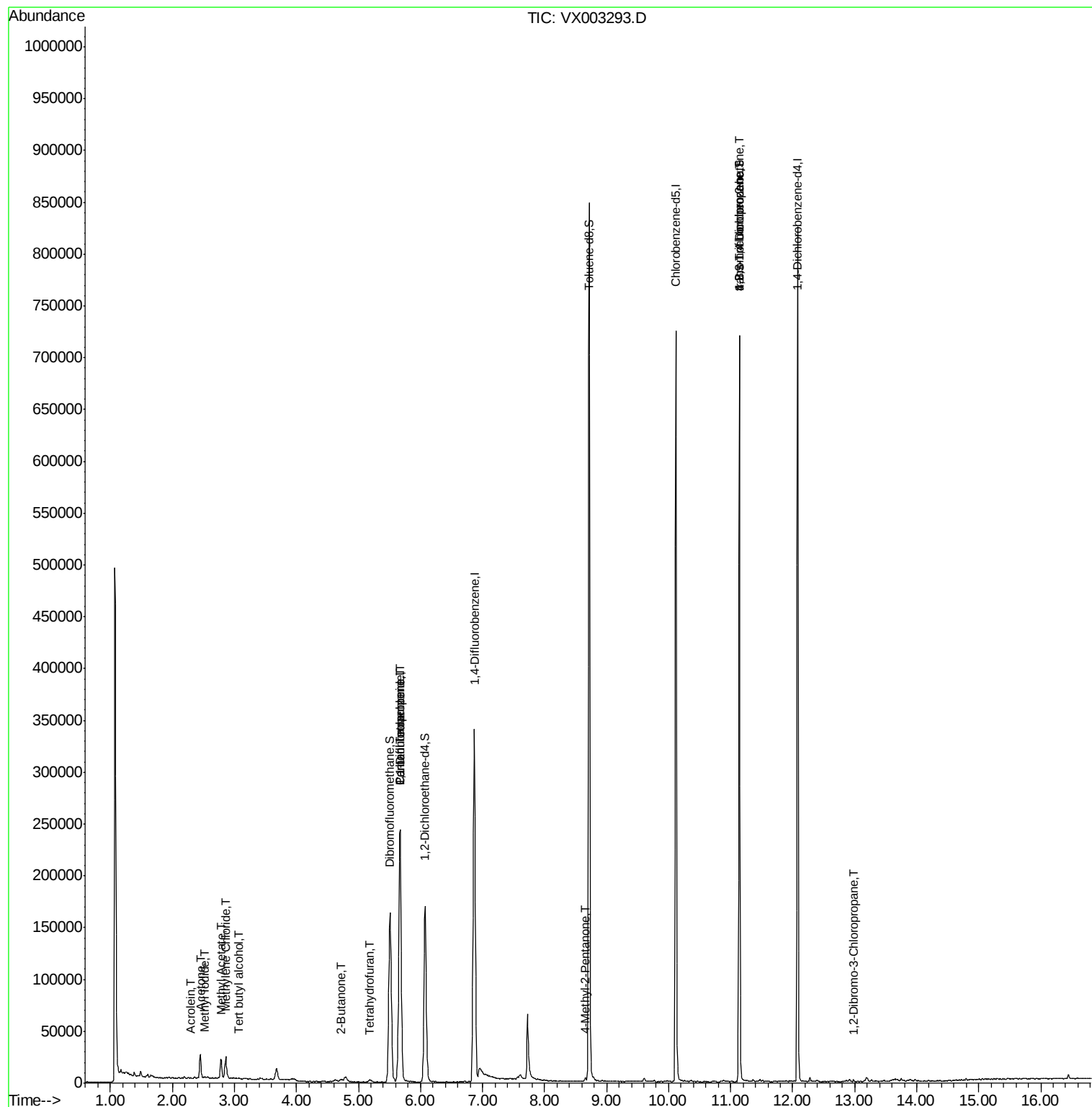
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1201	Below Cal		85
10) Methyl Iodide	2.53	142	1485	6.04	ug/l	98
11) Tert butyl alcohol	3.07	59	743	1.05	ug/l #	84
13) Acrolein	2.30	56	337	0.59	ug/l #	63
16) Acetone	2.45	43	26554	19.08	ug/l	99
18) Methyl Acetate	2.78	43	23136	5.89	ug/l	97
20) Methylene Chloride	2.86	84	10306	2.95	ug/l	90
25) 2-Butanone	4.72	43	4777	1.94	ug/l #	88
29) Tetrahydrofuran	5.18	42	2144	1.34	ug/l	98
36) 1,1-Dichloropropene	5.67	75	15995	3.24	ug/l #	51
38) Carbon Tetrachloride	5.67	117	22369	4.15	ug/l #	16
51) 4-Methyl-2-Pentanone	8.66	43	1723	0.33	ug/l #	76
76) 1,2,3-Trichloropropane	11.14	75	83390	21.36	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	83390	69.81	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	12.99	75	259	0.27	ug/l #	1

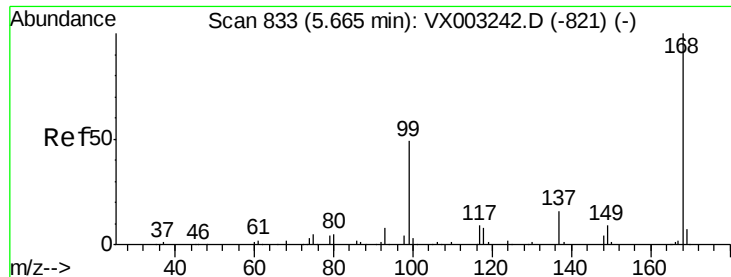
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071018\
Data File : VX003293.D
Acq On : 10 Jul 2018 19:15
Operator : JC/MD
Sample : PB110944ZHE#07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB110944ZHE#07

Quant Time: Jul 11 00:54:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 09 15:24:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003293.D

Acq: 10 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

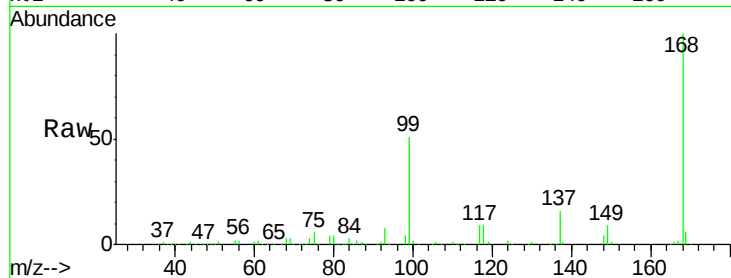
PB110944ZHE#07

Tot Ion:168 Resp: 249069

Ion Ratio Lower Upper

168 100

99 51.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

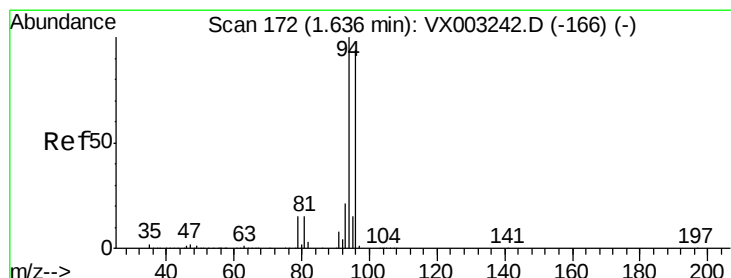
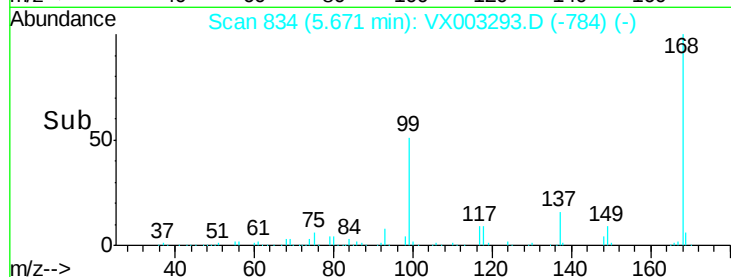
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003293.D

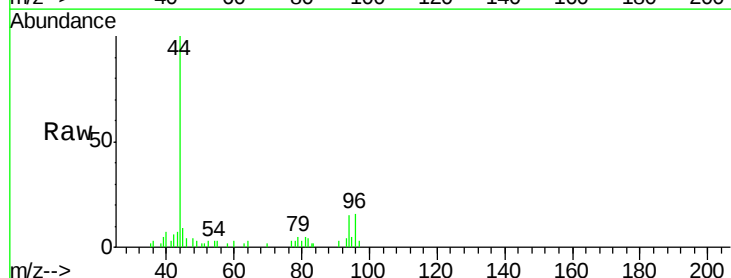
Acq: 10 Jul 2018 19:15

Tgt Ion: 94 Resp: 1201

Ion Ratio Lower Upper

94 100

96 108.2 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

600

500

400

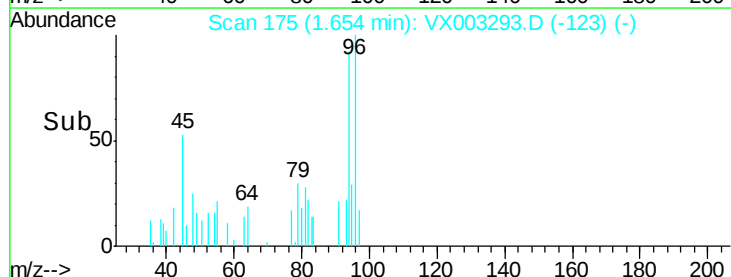
300

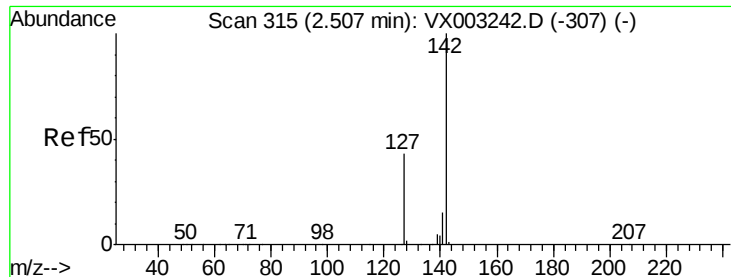
200

100

0

Time--> 1.60 1.65 1.70

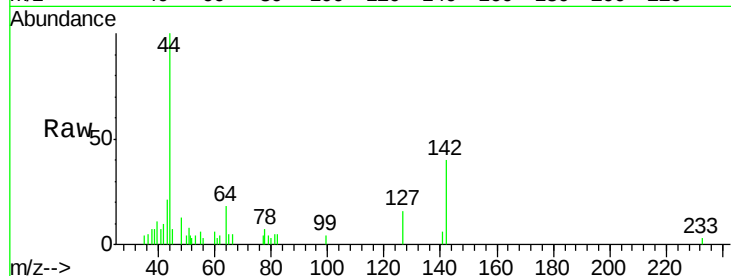




#10
Methvl Iodide
Concen: 6.04 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX003293.D
Acq: 10 Jul 2018 19:15

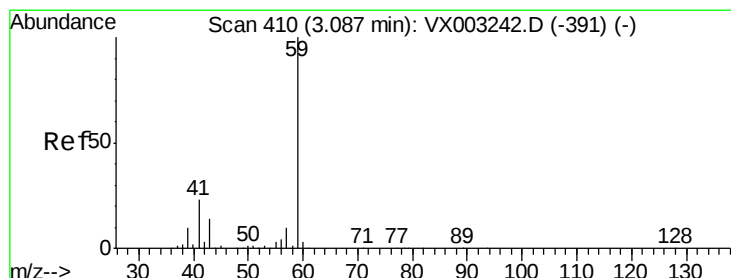
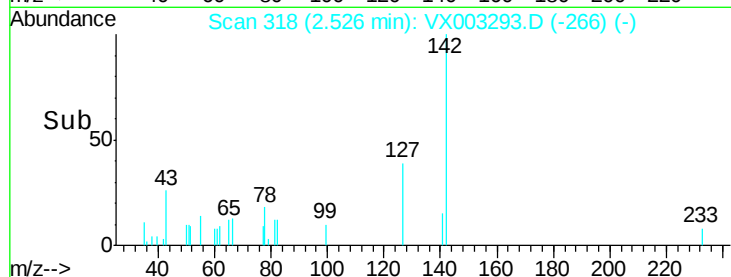
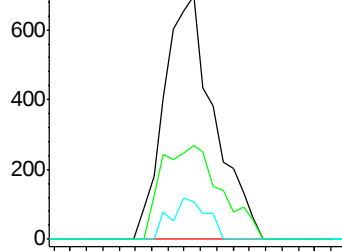
Instrument :
MSVOA_X
ClientSampleId :
PB110944ZHE#07

Tot Ion:142 Resp: 1485
Ion Ratio Lower Upper
142 100
127 46.4 36.6 55.0
141 12.5 11.3 16.9



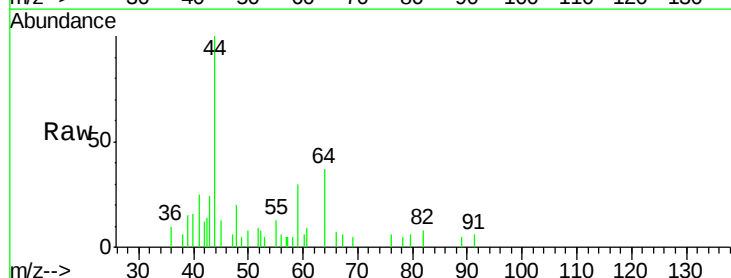
Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

2.53



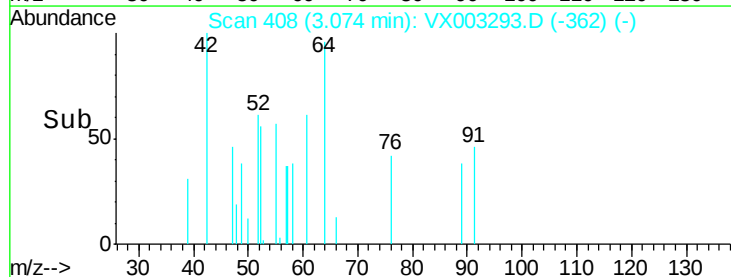
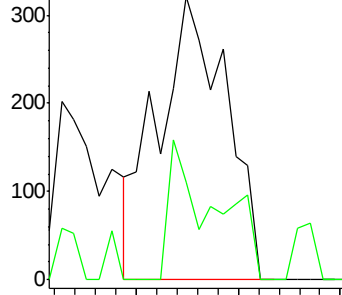
#11
Tert butyl alcohol
Concen: 1.05 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.02 min
Lab File: VX003293.D
Acq: 10 Jul 2018 19:15

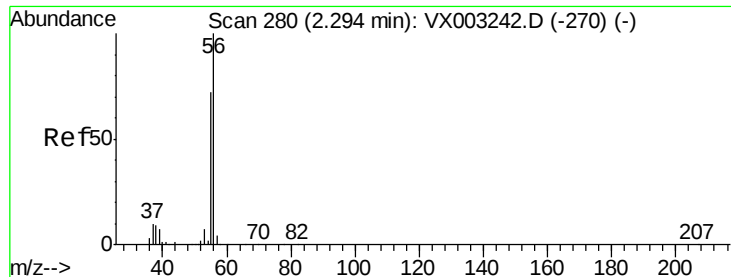
Tgt Ion: 59 Resp: 743
Ion Ratio Lower Upper
59 100
57 16.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

3.07





#13

Acrolein

Concen: 0.59 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003293.D

Acq: 10 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

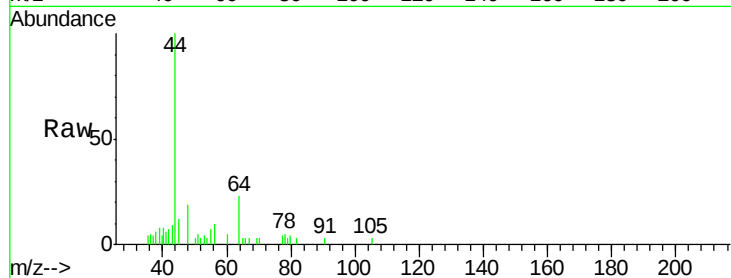
PB110944ZHE#07

Tot Ion: 56 Resp: 337

Ion Ratio Lower Upper

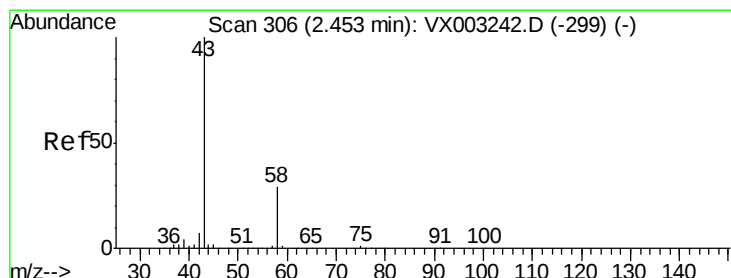
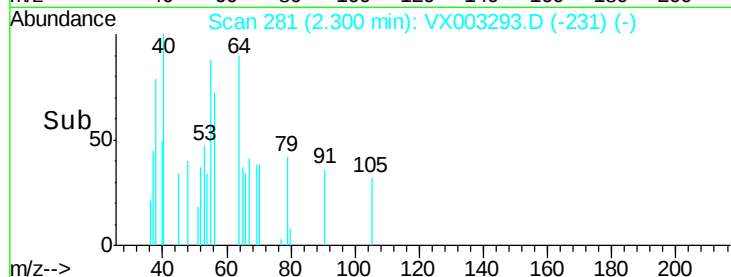
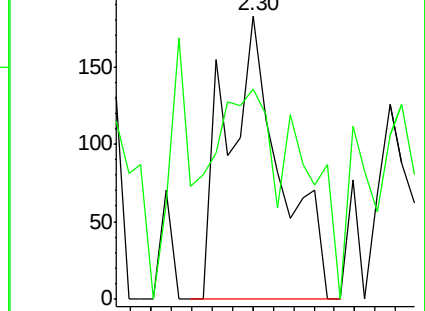
56 100

55 40.9 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 19.08 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX003293.D

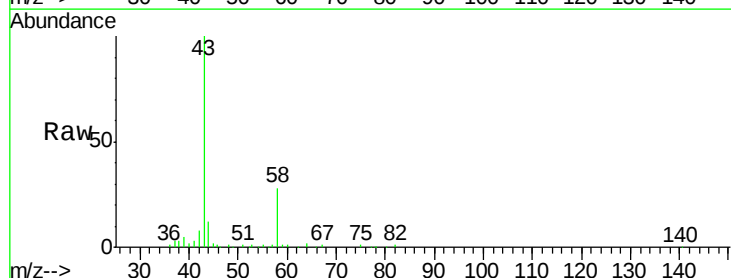
Acq: 10 Jul 2018 19:15

Tgt Ion: 43 Resp: 26554

Ion Ratio Lower Upper

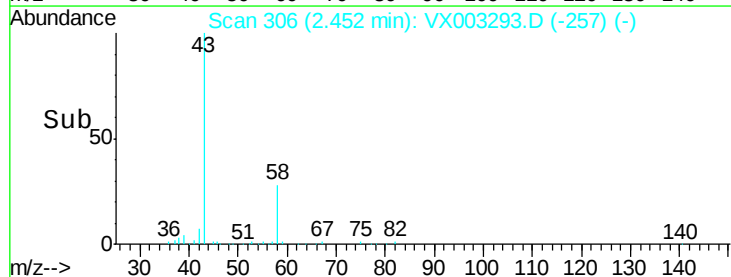
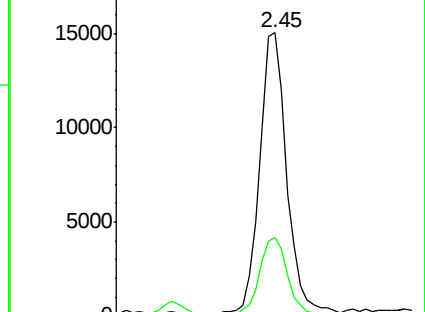
43 100

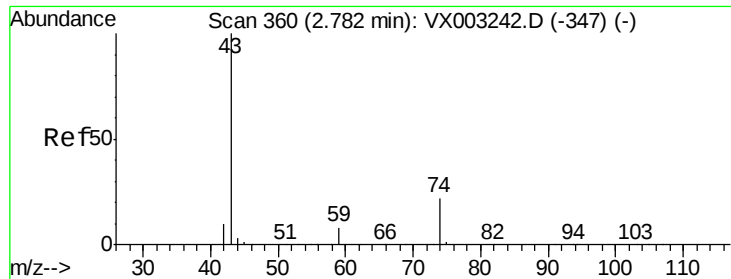
58 27.0 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

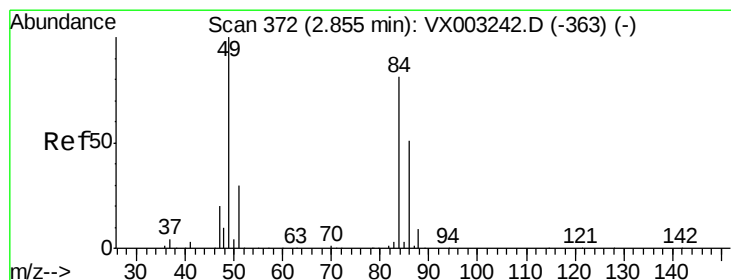
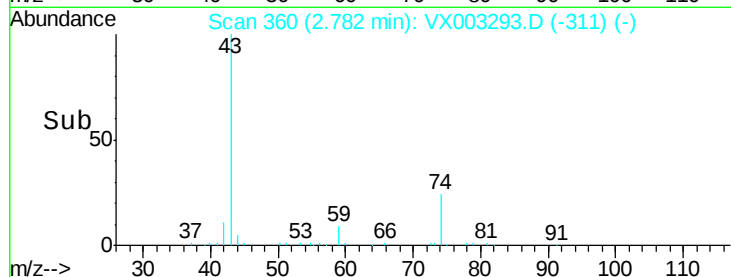
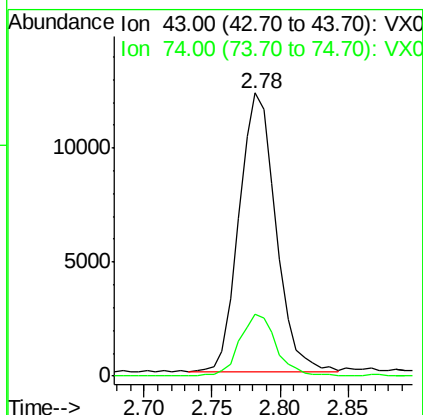
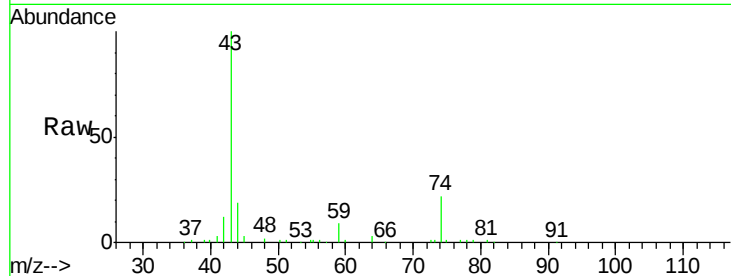




#18
Methvl Acetate
Concen: 5.89 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003293.D
Acq: 10 Jul 2018 19:15

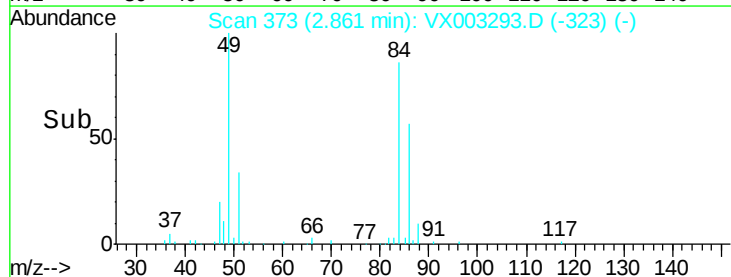
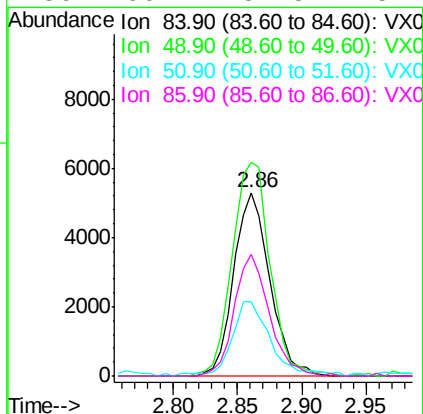
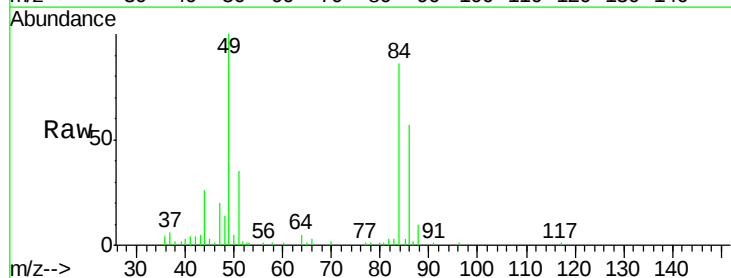
Instrument :
MSVOA_X
ClientSampleId :
PB110944ZHE#07

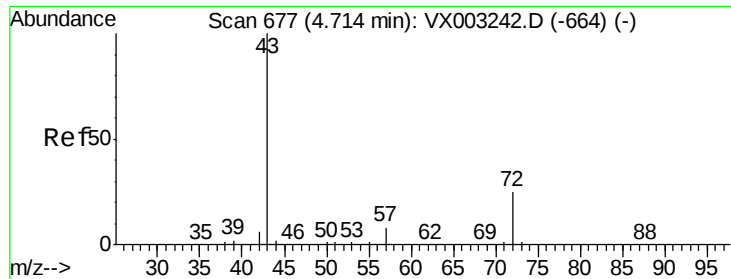
Tot Ion: 43 Resp: 23136
Ion Ratio Lower Upper
43 100
74 22.2 16.7 25.1



#20
Methylene Chloride
Concen: 2.95 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003293.D
Acq: 10 Jul 2018 19:15

Tgt Ion: 84 Resp: 10306
Ion Ratio Lower Upper
84 100
49 116.5 107.8 161.6
51 38.5 32.8 49.2
86 66.7 52.5 78.7





#25

2-Butanone

Concen: 1.94 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003293.D

Acq: 10 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

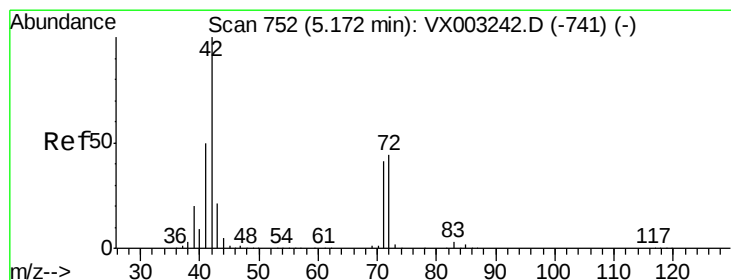
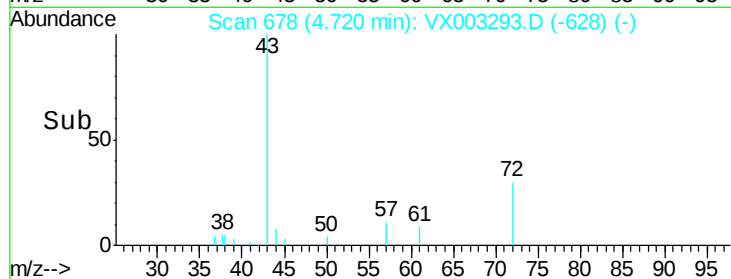
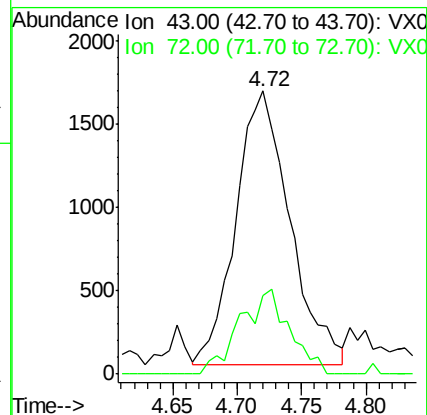
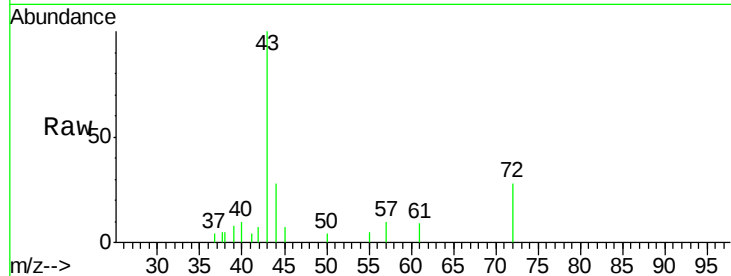
PB110944ZHE#07

Tot Ion: 43 Resp: 4777

Ion Ratio Lower Upper

43 100

72 28.8 18.5 27.7#



#29

Tetrahydrofuran

Concen: 1.34 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX003293.D

Acq: 10 Jul 2018 19:15

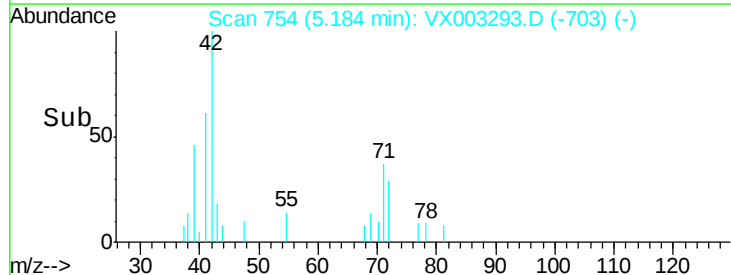
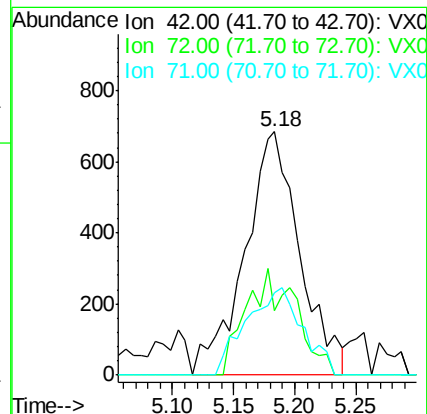
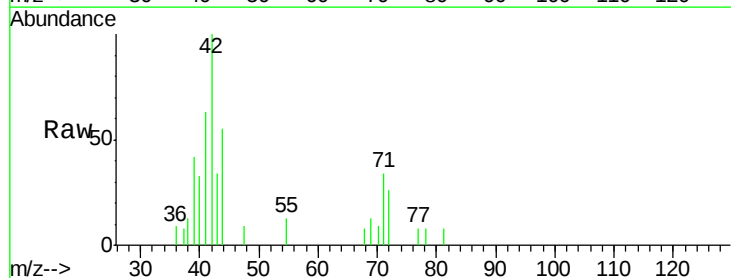
Tgt Ion: 42 Resp: 2144

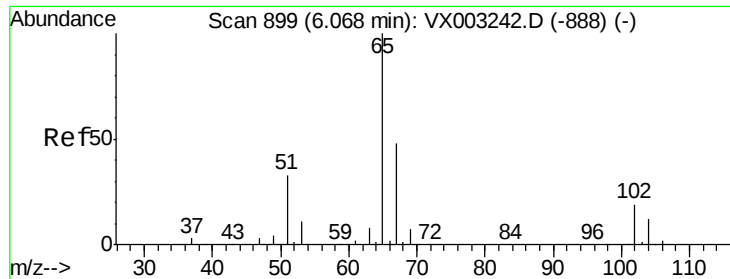
Ion Ratio Lower Upper

42 100

72 39.2 32.0 48.0

71 36.4 30.1 45.1

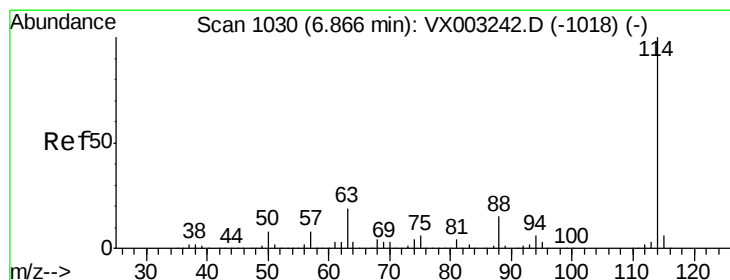
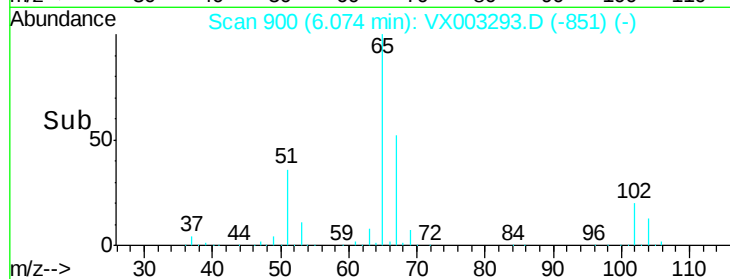
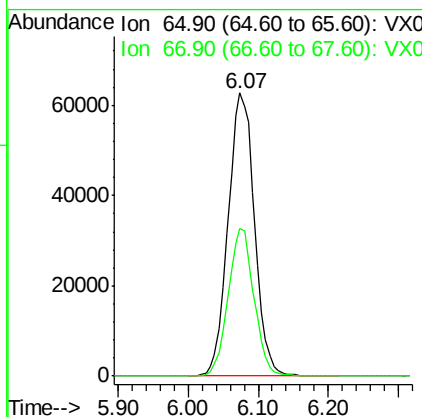
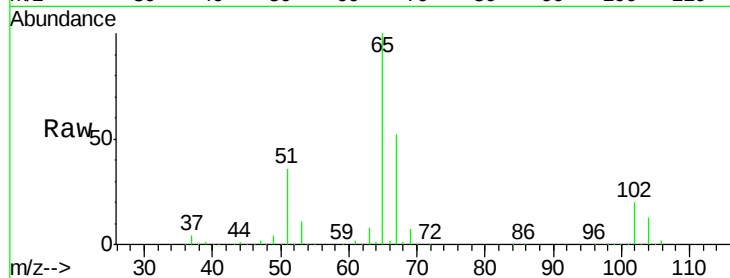




#33
 1,2-Dichloroethane-d4
 Concen: 41.95 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX003293.D
 Acq: 10 Jul 2018 19:15

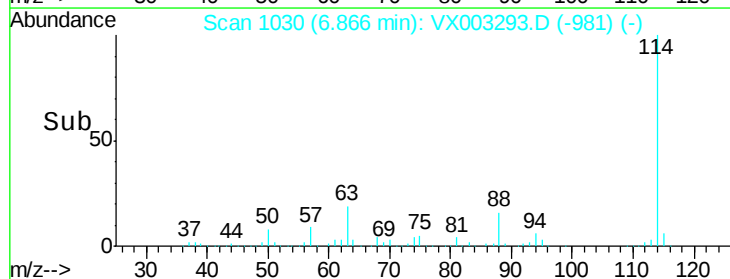
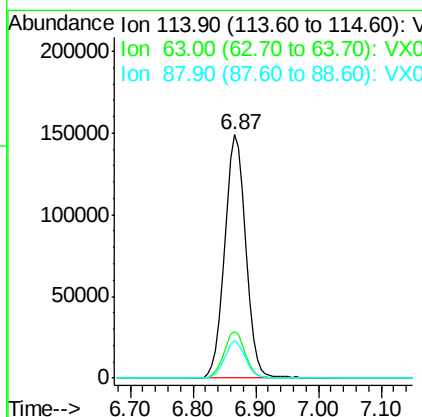
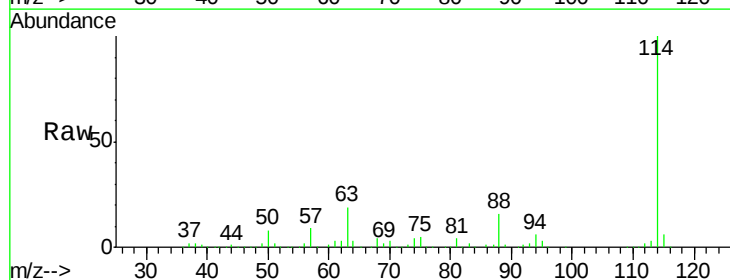
Instrument :
 MSVOA_X
 ClientSampleId :
 PB110944ZHE#07

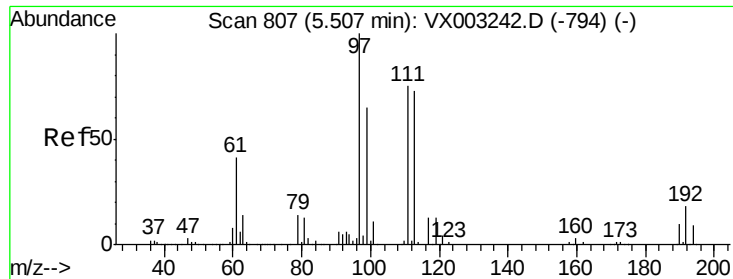
Tot Ion: 65 Resp: 164430
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003293.D
 Acq: 10 Jul 2018 19:15

Tgt Ion: 114 Resp: 348225
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 41.4
 88 15.6 0.0 30.0

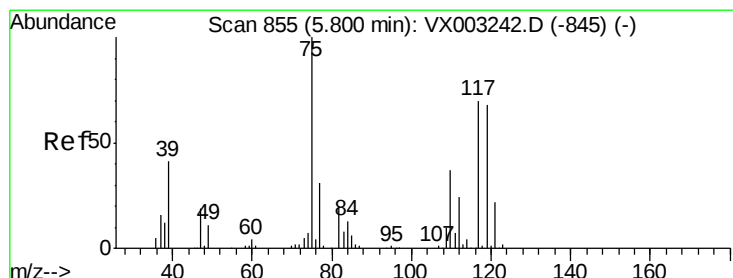
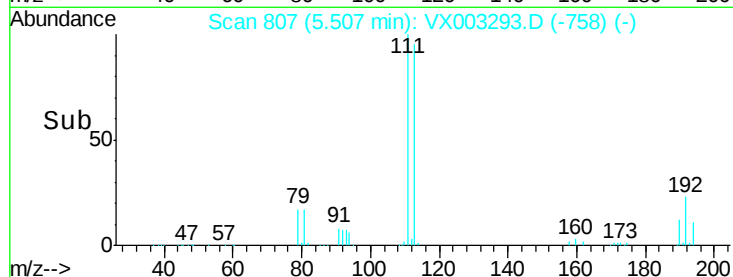
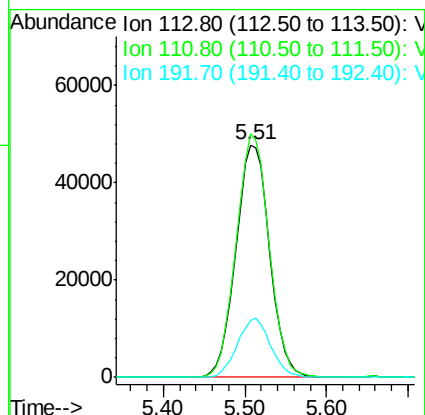
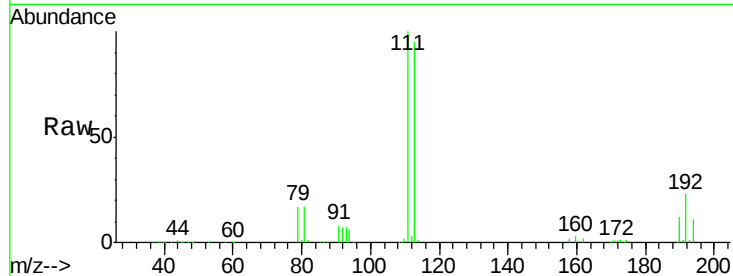




#35
 Dibromofluoromethane
 Concen: 36.50 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003293.D
 Acq: 10 Jul 2018 19:15

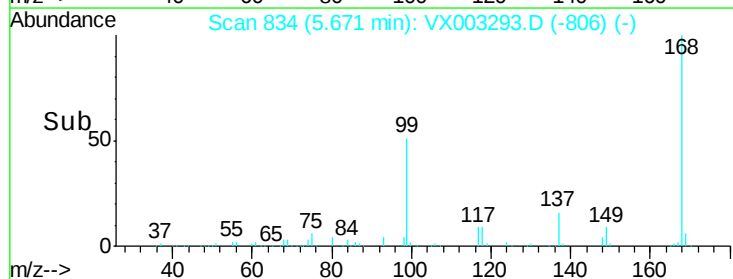
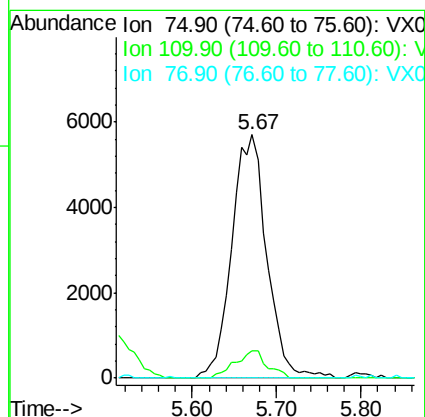
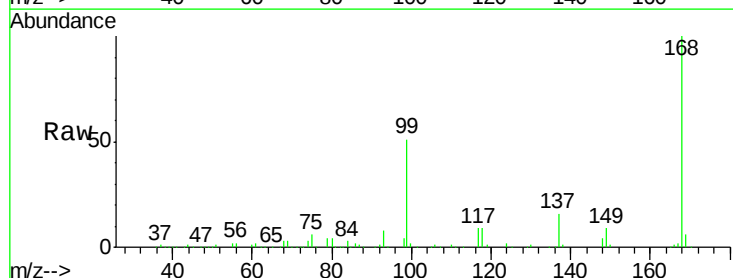
Instrument :
 MSVOA_X
 ClientSampleId :
 PB110944ZHE#07

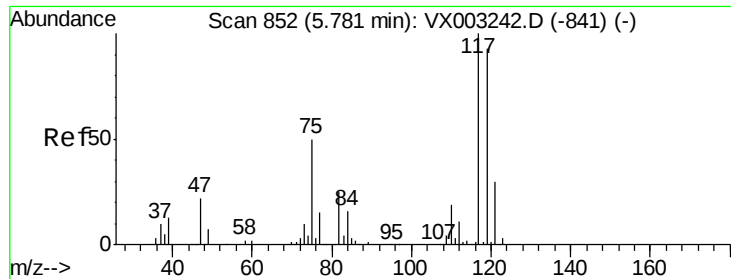
Tot Ion:113 Resp: 136548
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.4 122.0
 192 25.1 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 3.24 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX003293.D
 Acq: 10 Jul 2018 19:15

Tgt Ion: 75 Resp: 15995
 Ion Ratio Lower Upper
 75 100
 110 10.3 18.1 54.4#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 4.15 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.11 min

Lab File: VX003293.D

Acq: 10 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

PB110944ZHE#07

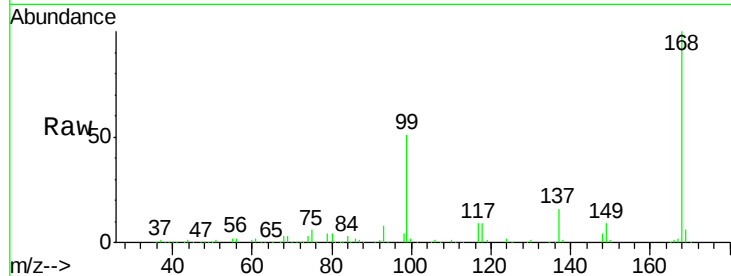
Tot Ion:117 Resp: 22369

Ion Ratio Lower Upper

117 100

119 6.0 77.4 116.0#

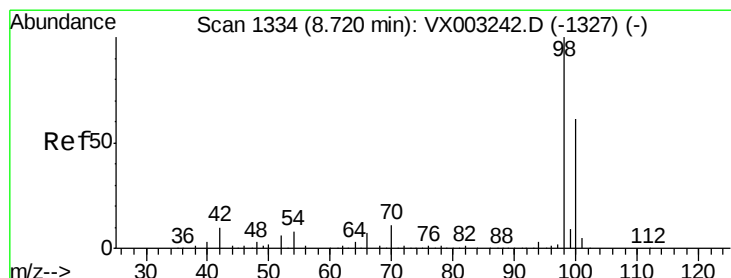
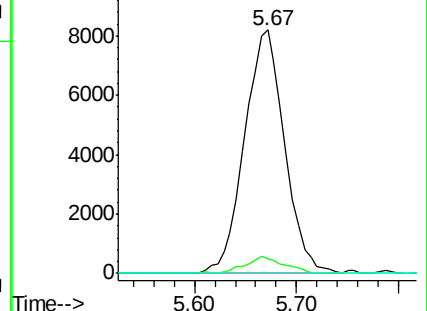
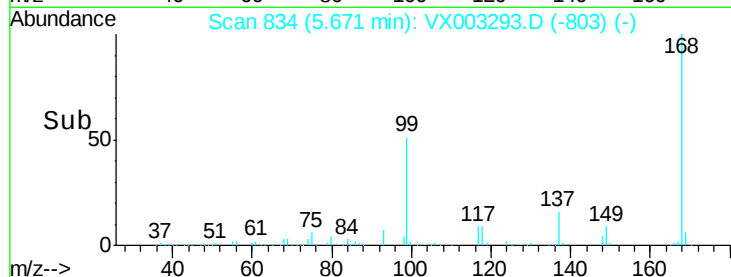
121 0.0 24.4 36.6#



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: 37.30 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX003293.D

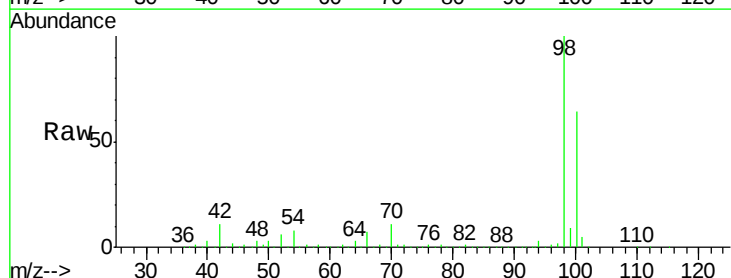
Acq: 10 Jul 2018 19:15

Tgt Ion: 98 Resp: 495595

Ion Ratio Lower Upper

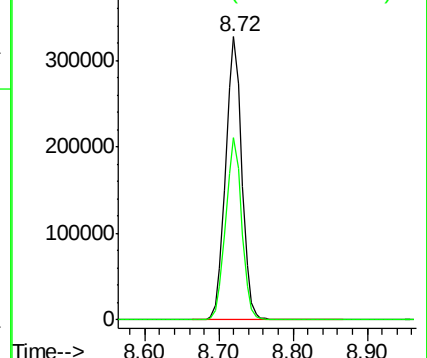
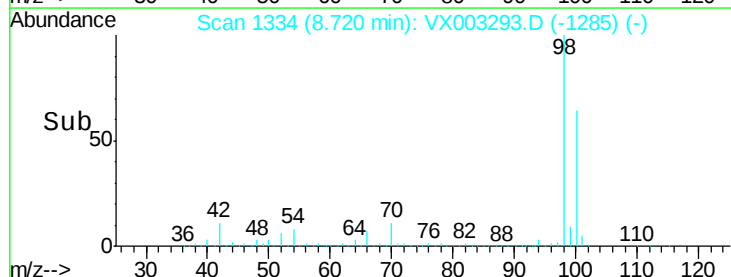
98 100

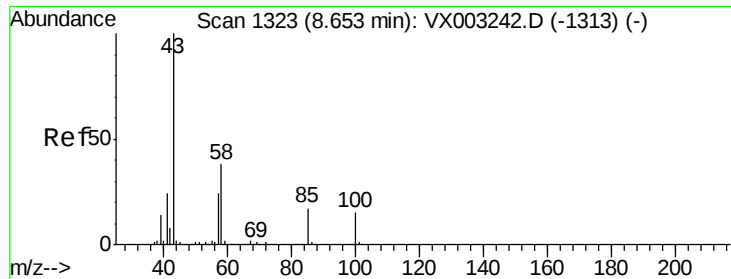
100 63.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.33 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX003293.D

Acq: 10 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

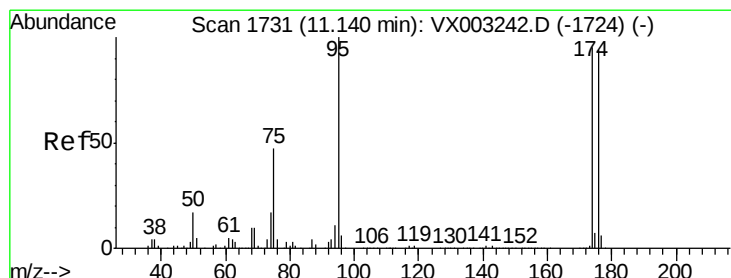
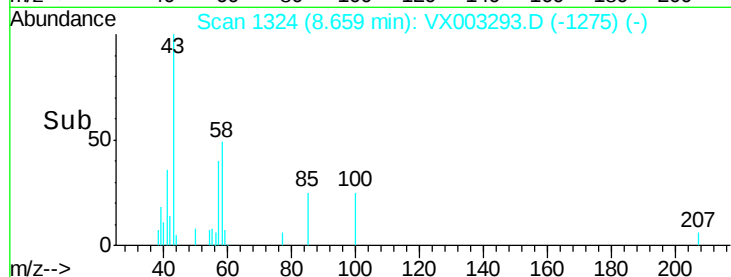
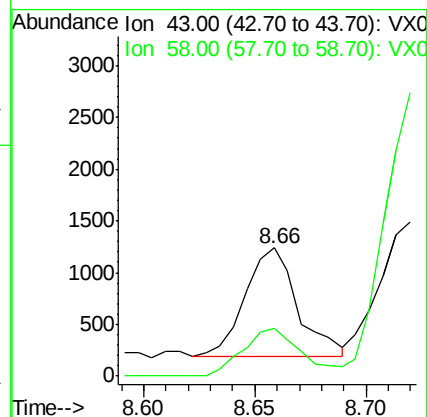
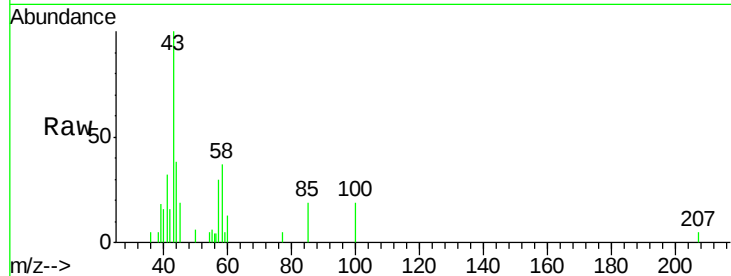
PB110944ZHE#07

Tot Ion: 43 Resp: 1723

Ion Ratio Lower Upper

43 100

58 49.6 28.6 42.8#



#62

4-Bromofluorobenzene

Concen: 34.32 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003293.D

Acq: 10 Jul 2018 19:15

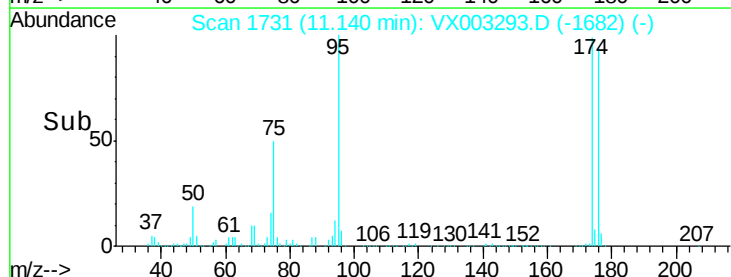
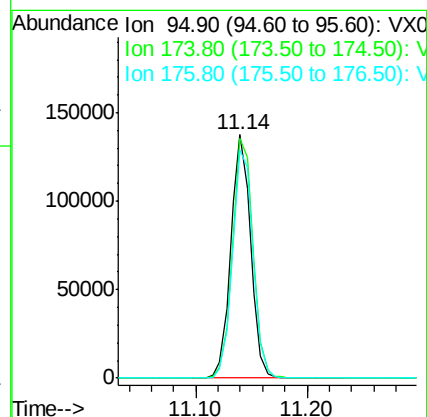
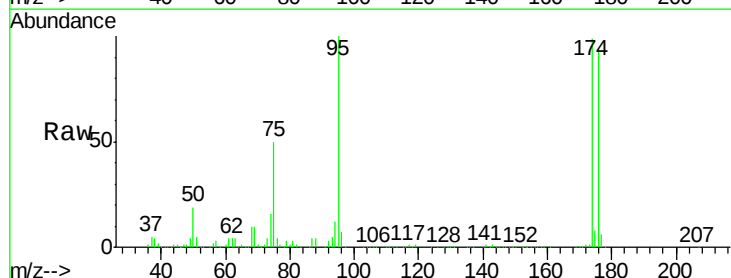
Tgt Ion: 95 Resp: 168531

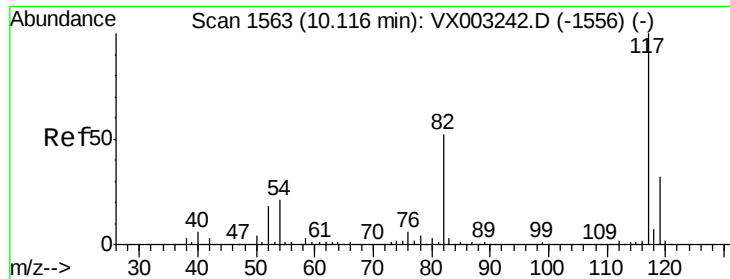
Ion Ratio Lower Upper

95 100

174 102.5 0.0 187.4

176 97.3 0.0 181.0

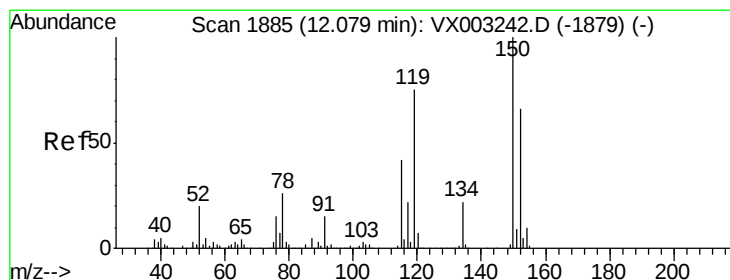
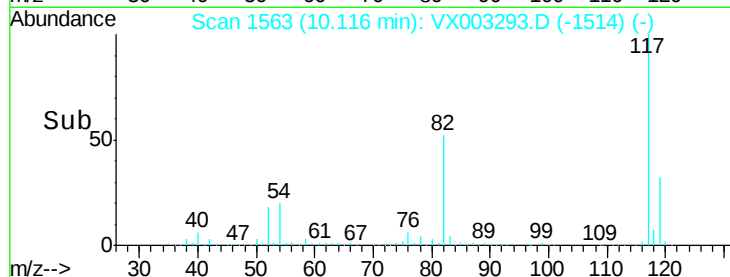
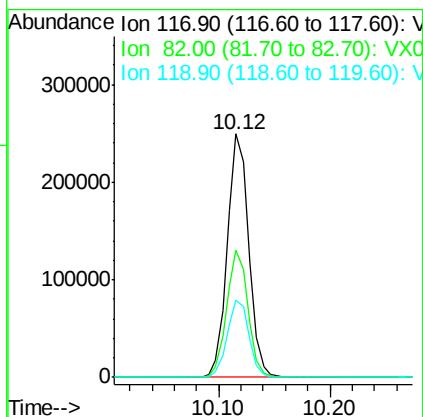
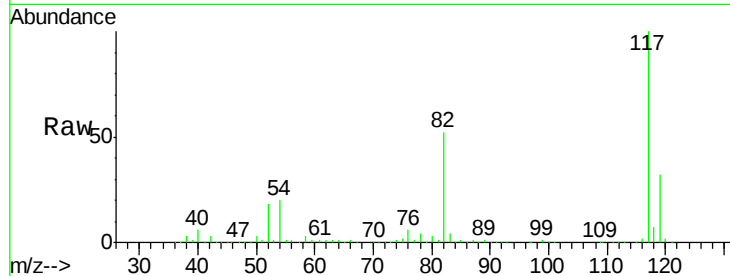




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003293.D
Acq: 10 Jul 2018 19:15

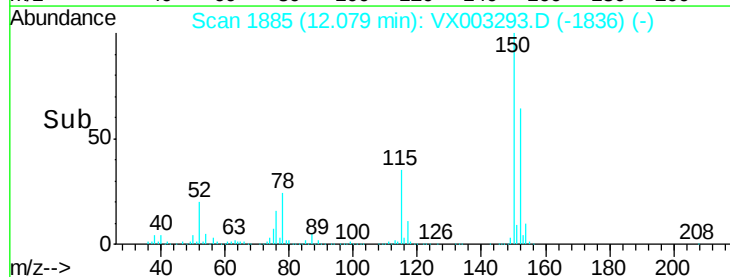
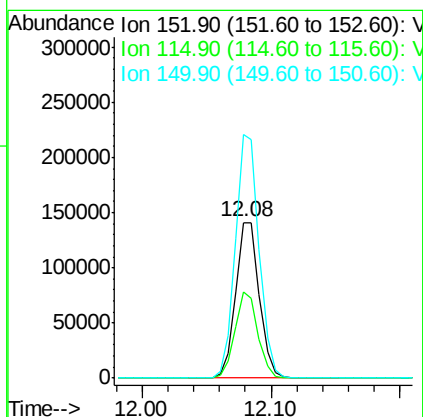
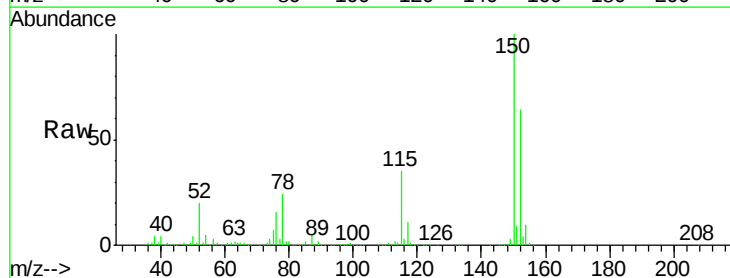
Instrument :
MSVOA_X
ClientSampleId :
PB110944ZHE#07

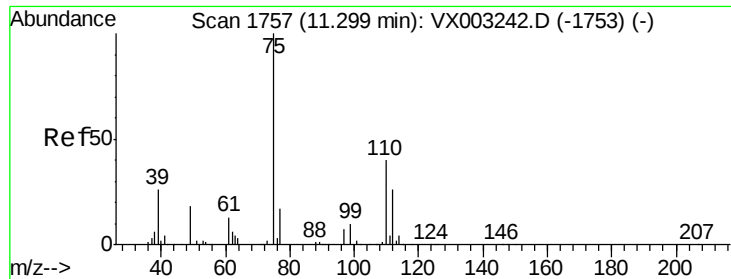
Tot Ion:117 Resp: 331452
Ion Ratio Lower Upper
117 100
82 52.4 45.0 67.4
119 31.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003293.D
Acq: 10 Jul 2018 19:15

Tgt Ion:152 Resp: 180642
Ion Ratio Lower Upper
152 100
115 53.4 40.1 120.2
150 156.5 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 21.36 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003293.D

Acq: 10 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

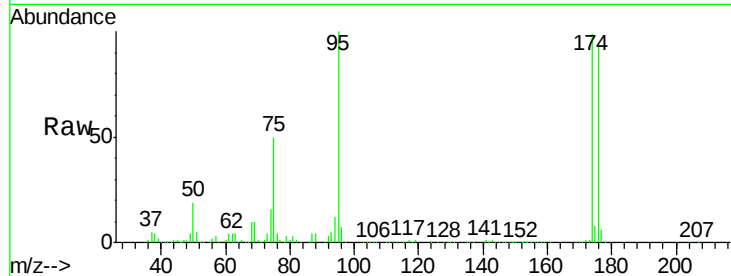
PB110944ZHE#07

Tot Ion: 75 Resp: 83390

Ion Ratio Lower Upper

75 100

77 1.4 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

80000

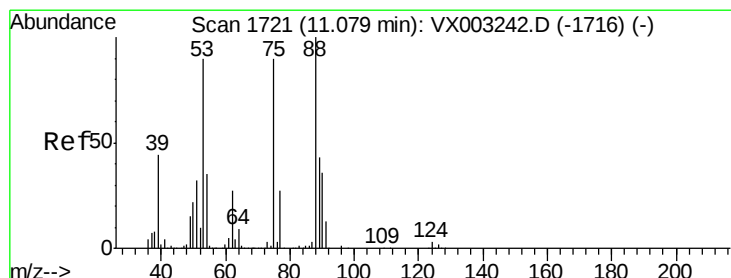
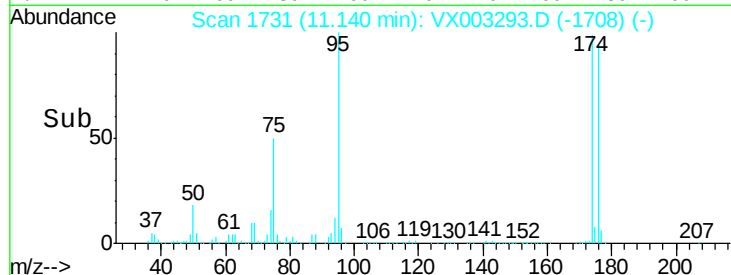
60000

40000

20000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 69.81 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003293.D

Acq: 10 Jul 2018 19:15

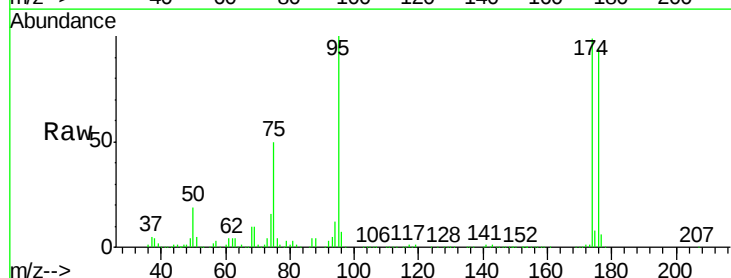
Tgt Ion: 75 Resp: 83390

Ion Ratio Lower Upper

75 100

53 0.4 86.8 130.2#

89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.14

80000

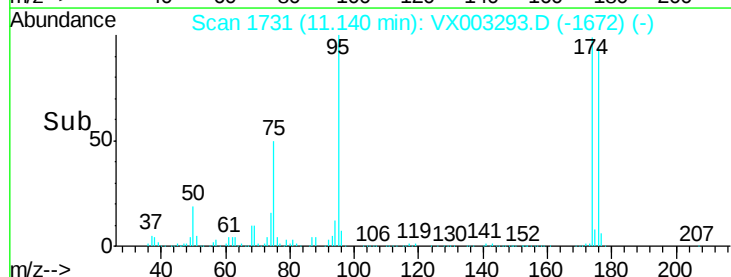
60000

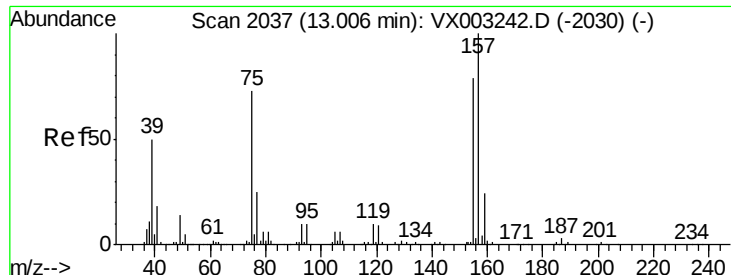
40000

20000

0

Time--> 11.05 11.10 11.15 11.20





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.27 ug/l

RT: 12.99 min Scan# 2034

Delta R.T. -0.02 min

Lab File: VX003293.D

Acq: 10 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

PB110944ZHE#07

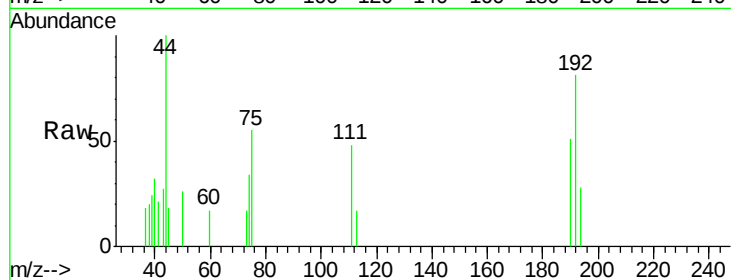
Tot Ion: 75 Resp: 259

Ion Ratio Lower Upper

75 100

155 0.0 45.8 137.4#

157 0.0 60.1 180.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

