

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071018\
 Data File : VX003291.D
 Acq On : 10 Jul 2018 18:22
 Operator : JC/MD
 Sample : PB110944ZHE#05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB110944ZHE#05

Quant Time: Jul 11 00:54:27 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	258723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	359900	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	343541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	194757	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	166260	40.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.66%	
35) Dibromofluoromethane	5.51	113	141972	36.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.44%	
50) Toluene-d8	8.72	98	513175	37.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.74%	
62) 4-Bromofluorobenzene	11.14	95	174718	34.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.86%	

Target Compounds

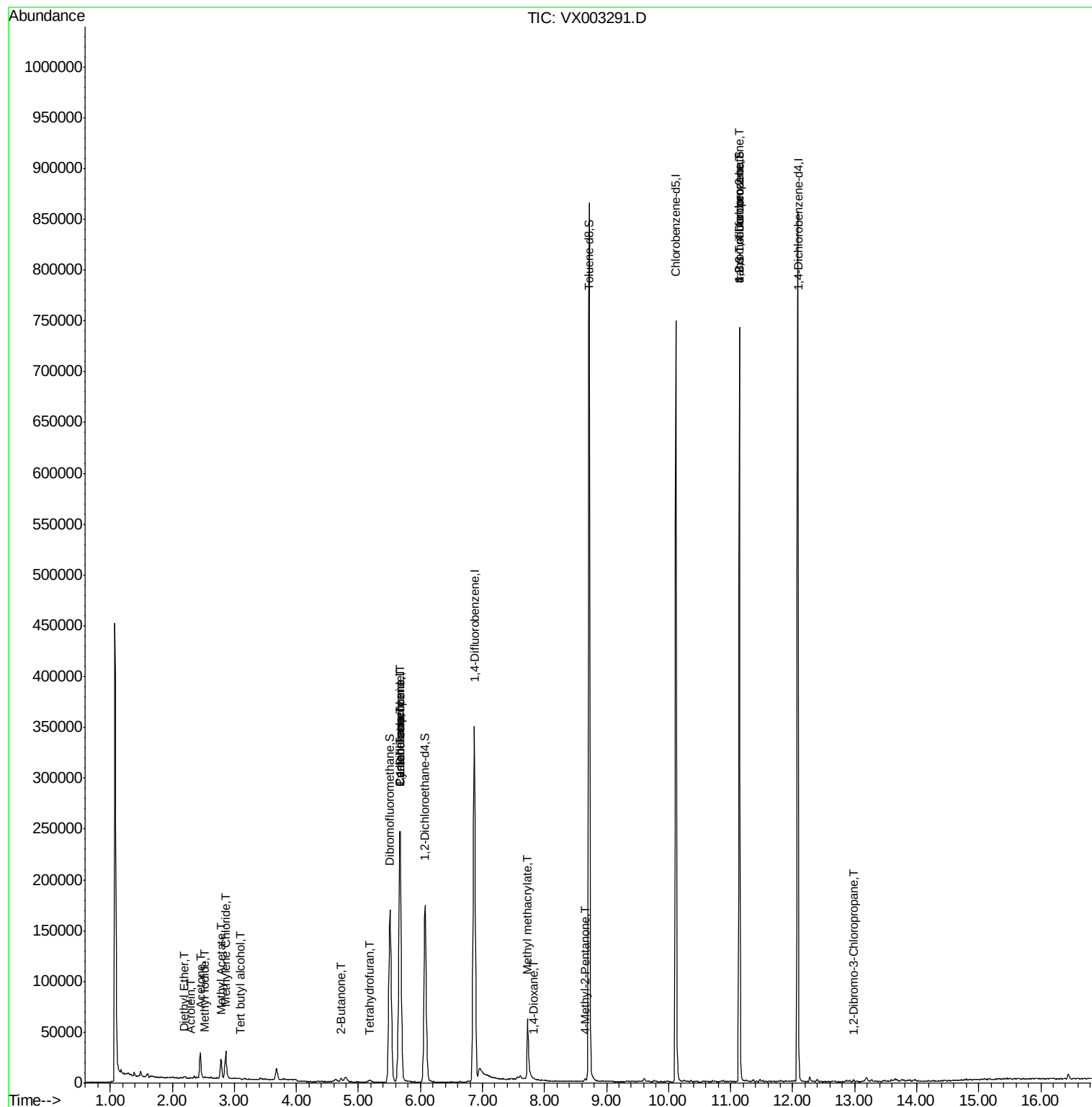
						Qvalue
5) Bromomethane	1.67	94	1369	Below Cal		82
8) Diethyl Ether	2.20	74	438	0.22 ug/l		68
10) Methyl Iodide	2.52	142	1787	6.10 ug/l		98
11) Tert butyl alcohol	3.09	59	539	0.73 ug/l #		10
13) Acrolein	2.29	56	287	0.48 ug/l #		14
16) Acetone	2.45	43	27884	19.29 ug/l		98
18) Methyl Acetate	2.78	43	23631	5.79 ug/l		98
20) Methylene Chloride	2.86	84	12483	3.56 ug/l		86
25) 2-Butanone	4.72	43	5561	2.17 ug/l		99
29) Tetrahydrofuran	5.18	42	2378	1.43 ug/l #		67
31) Cyclohexane	5.67	56	4493	0.84 ug/l #		1
36) 1,1-Dichloropropene	5.67	75	16744	3.29 ug/l #		50
38) Carbon Tetrachloride	5.67	117	23001	4.13 ug/l #		17
48) Methyl methacrylate	7.73	41	1877	0.42 ug/l #		16
49) 1,4-Dioxane	7.83	88	42	0.45 ug/l #		22
51) 4-Methyl-2-Pentanone	8.66	43	1712	0.31 ug/l #		83
76) 1,2,3-Trichloropropane	11.14	75	87596	20.81 ug/l #		33
81) trans-1,4-Dichloro-2-buten	11.14	75	87596	68.02 ug/l #		7
92) 1,2-Dibromo-3-Chloropropan	12.99	75	279	0.27 ug/l #		1

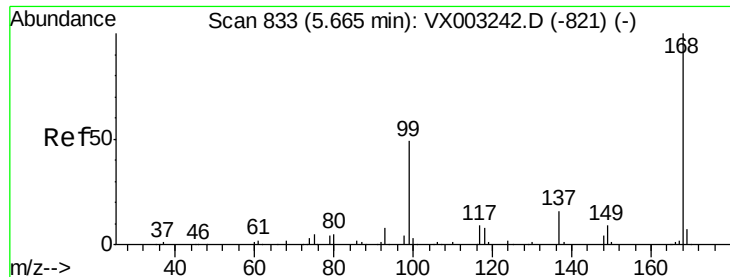
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071018\
Data File : VX003291.D
Acq On : 10 Jul 2018 18:22
Operator : JC/MD
Sample : PB110944ZHE#05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB110944ZHE#05

Quant Time: Jul 11 00:54:27 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

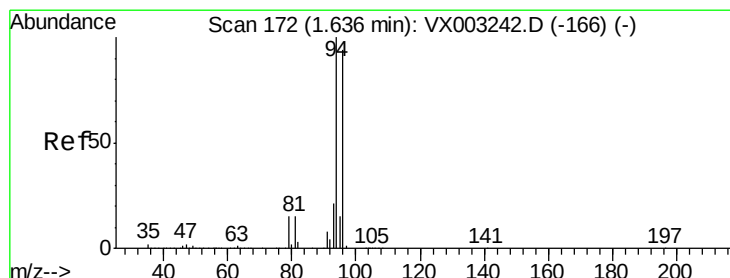
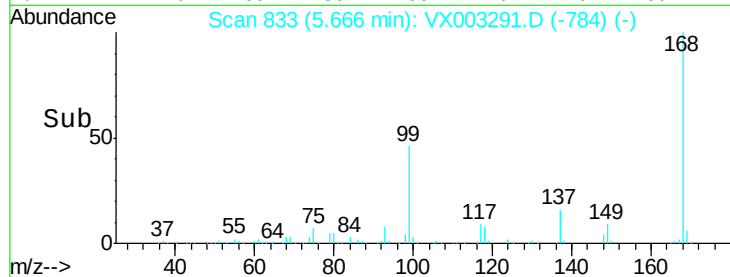
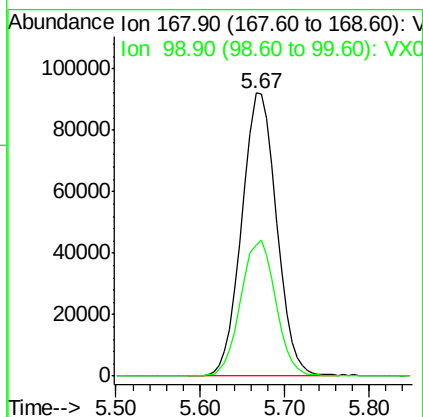
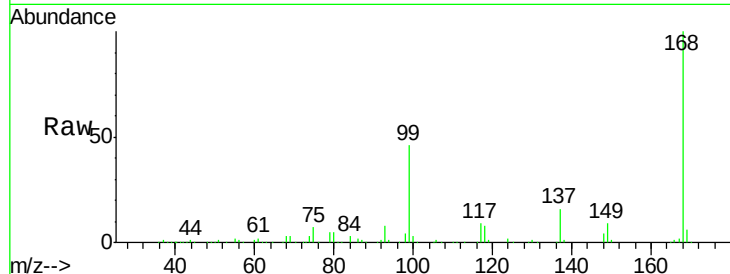




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX003291.D
Acq: 10 Jul 2018 18:22

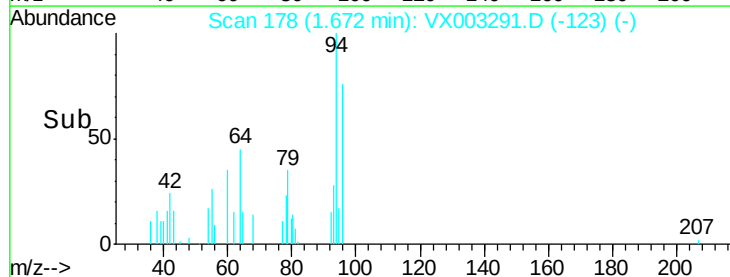
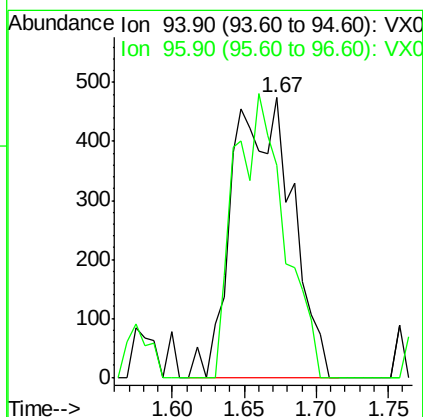
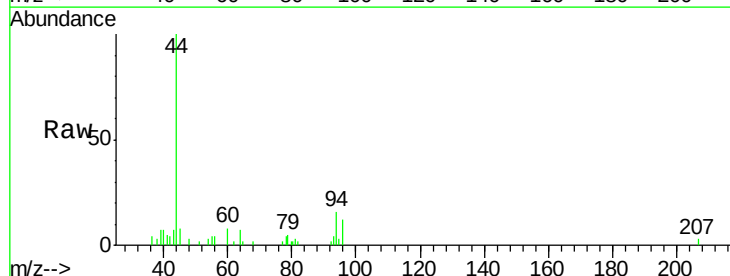
Instrument :
MSVOA_X
ClientSampleId :
PB110944ZHE#05

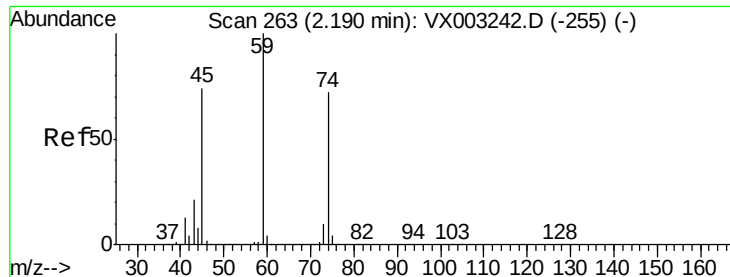
Tot Ion:168 Resp: 258723
Ion Ratio Lower Upper
168 100
99 46.4 39.3 58.9



#5
Bromomethane
Concen: Below Cal
RT: 1.67 min Scan# 178
Delta R.T. 0.04 min
Lab File: VX003291.D
Acq: 10 Jul 2018 18:22

Tgt Ion: 94 Resp: 1369
Ion Ratio Lower Upper
94 100
96 75.9 74.9 112.3





#8

Diethyl Ether

Concen: 0.22 ug/l

RT: 2.20 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX003291.D

Acq: 10 Jul 2018 18:22

Instrument :

MSVOA_X

ClientSampleId :

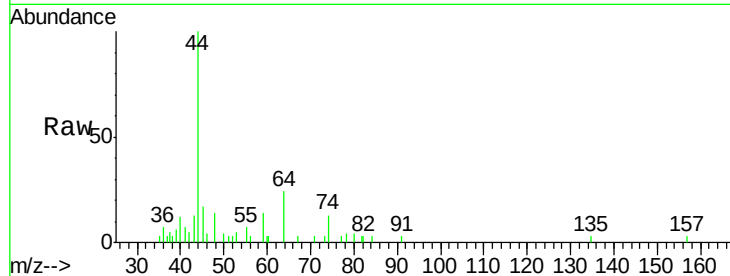
PB110944ZHE#05

Tot Ion: 74 Resp: 438

Ion Ratio Lower Upper

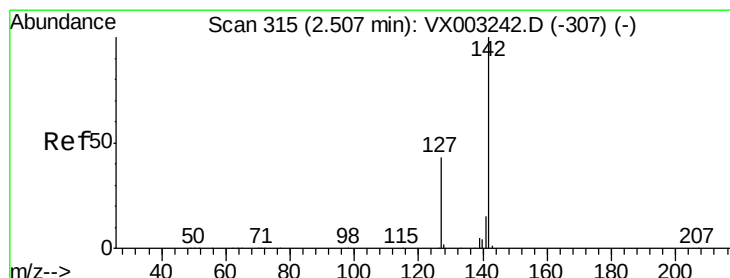
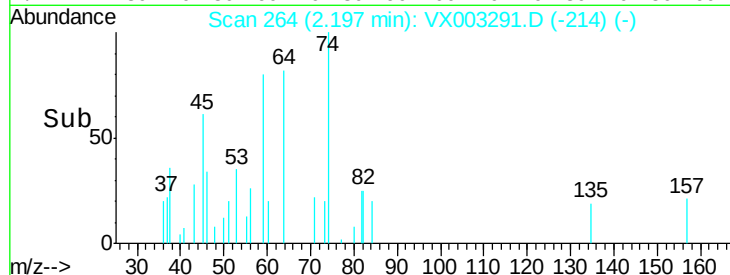
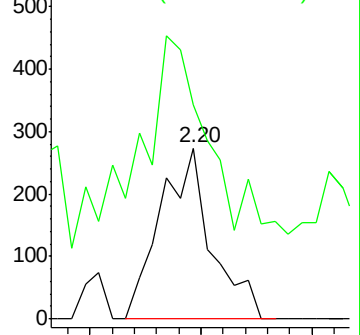
74 100

45 139.5 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 6.10 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003291.D

Acq: 10 Jul 2018 18:22

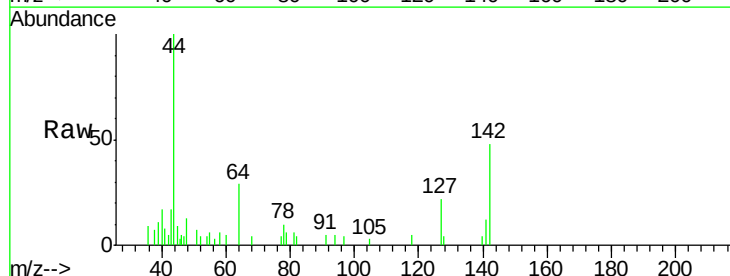
Tgt Ion: 142 Resp: 1787

Ion Ratio Lower Upper

142 100

127 44.5 36.6 55.0

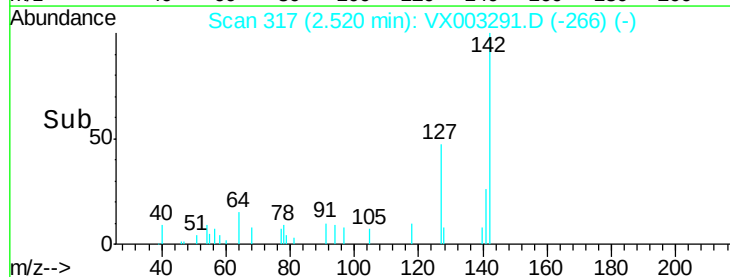
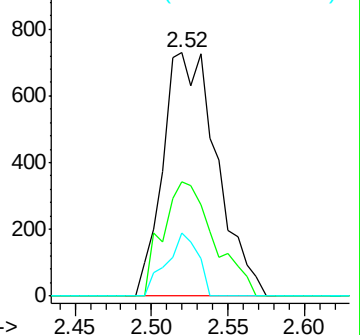
141 15.1 11.3 16.9

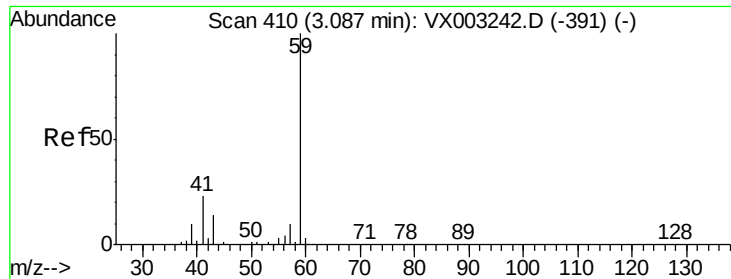


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

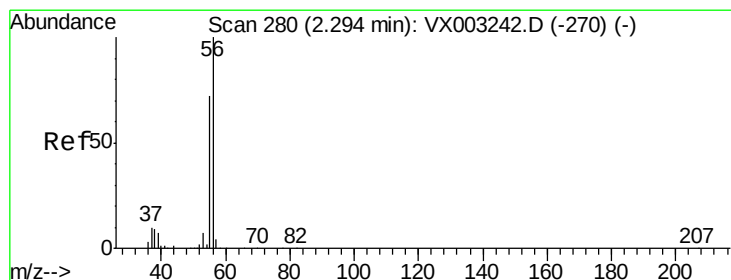
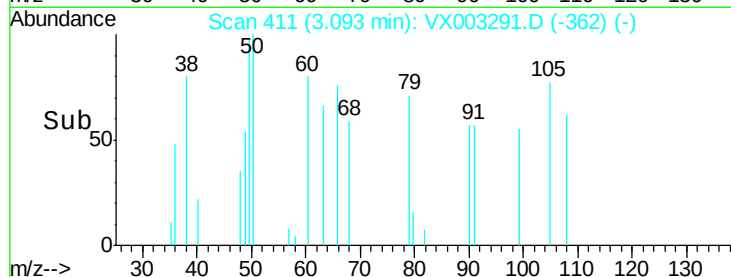
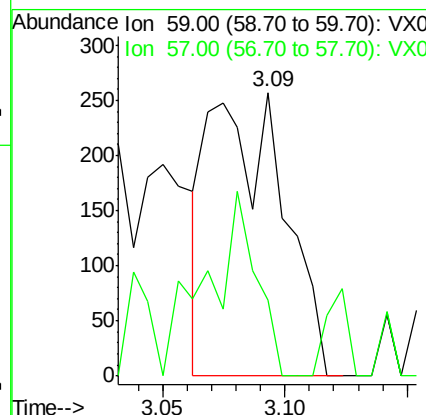
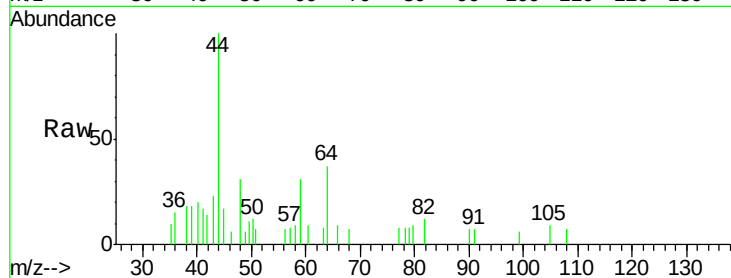




#11
Tert butyl alcohol
Concen: 0.73 ug/l
RT: 3.09 min Scan# 411
Delta R.T. 0.00 min
Lab File: VX003291.D
Acq: 10 Jul 2018 18:22

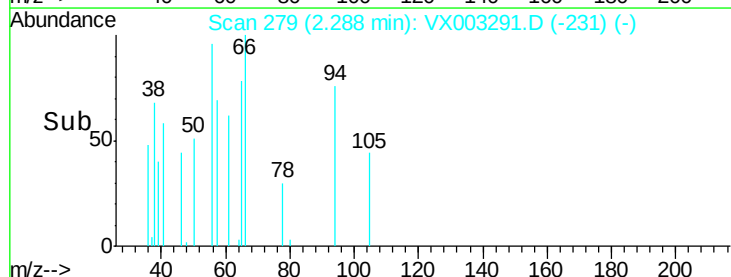
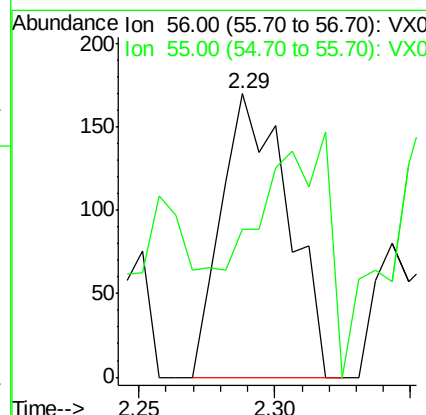
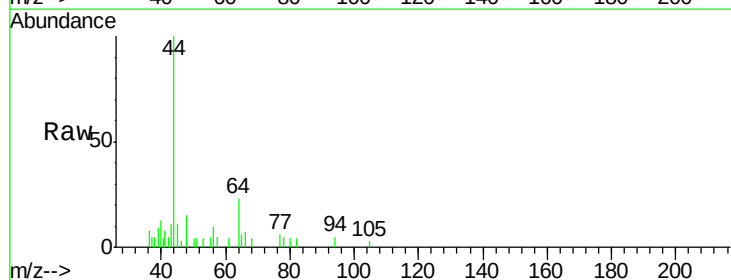
Instrument :
MSVOA_X
ClientSampleId :
PB110944ZHE#05

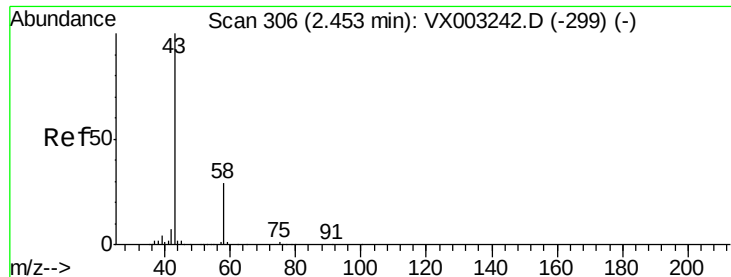
Tot Ion: 59 Resp: 539
Ion Ratio Lower Upper
59 100
57 43.8 8.2 12.2#



#13
Acrolein
Concen: 0.48 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX003291.D
Acq: 10 Jul 2018 18:22

Tgt Ion: 56 Resp: 287
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#16

Acetone

Concen: 19.29 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX003291.D

Acq: 10 Jul 2018 18:22

Instrument :

MSVOA_X

ClientSampleId :

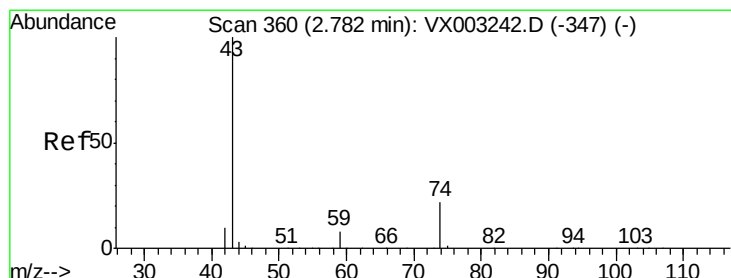
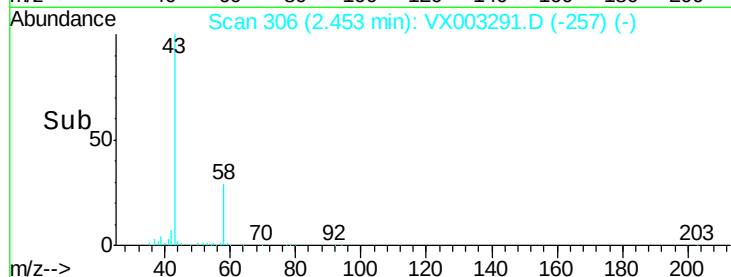
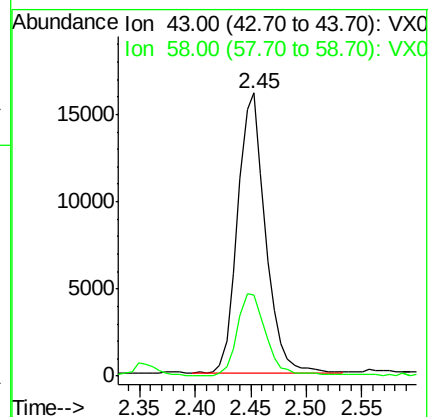
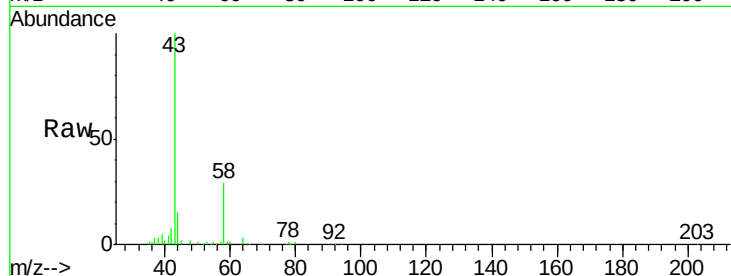
PB110944ZHE#05

Tot Ion: 43 Resp: 27884

Ion Ratio Lower Upper

43 100

58 28.8 22.1 33.1



#18

Methyl Acetate

Concen: 5.79 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003291.D

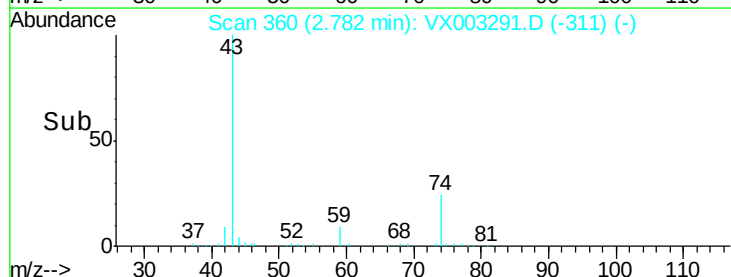
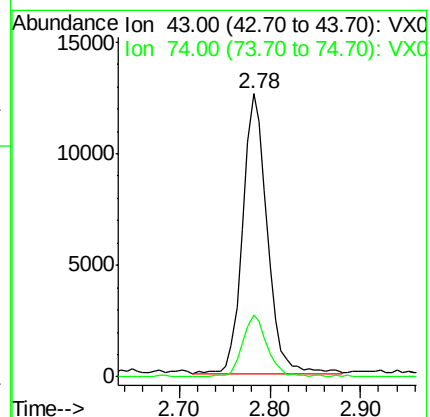
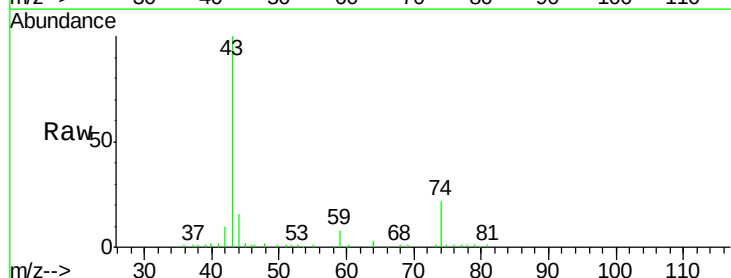
Acq: 10 Jul 2018 18:22

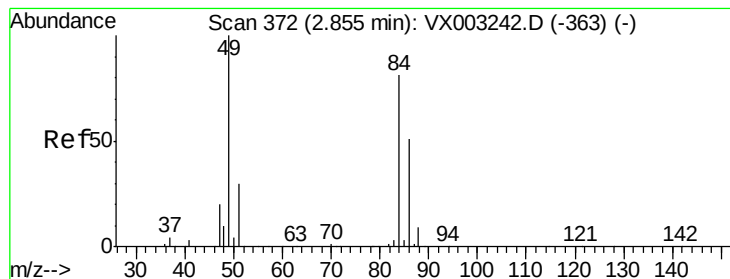
Tgt Ion: 43 Resp: 23631

Ion Ratio Lower Upper

43 100

74 22.1 16.7 25.1





#20

Methylene Chloride

Concen: 3.56 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003291.D

Acq: 10 Jul 2018 18:22

Instrument :

MSVOA_X

ClientSampleId :

PB110944ZHE#05

Tot Ion: 84 Resp: 12483

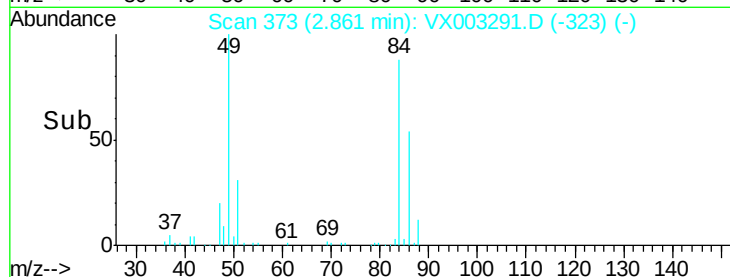
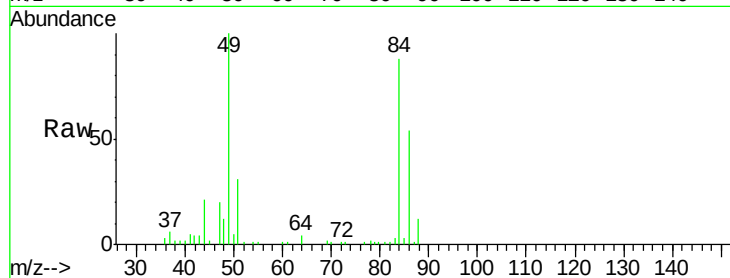
Ion Ratio Lower Upper

84 100

49 113.1 107.8 161.6

51 33.2 32.8 49.2

86 60.9 52.5 78.7

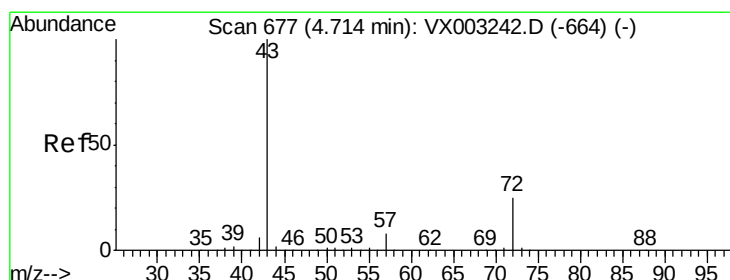
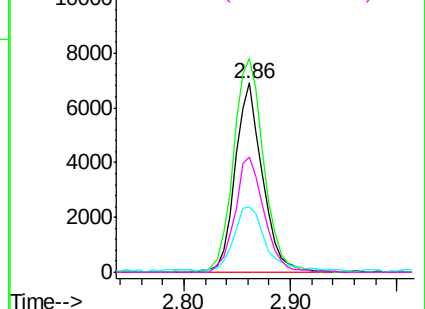


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 2.17 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003291.D

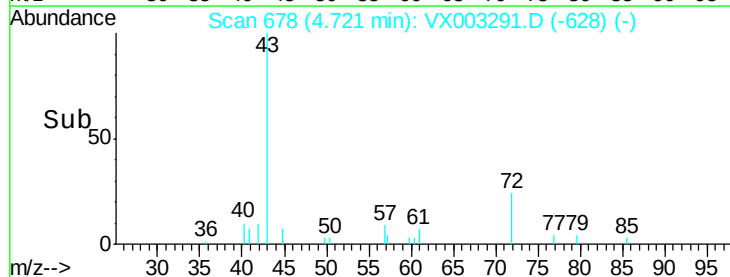
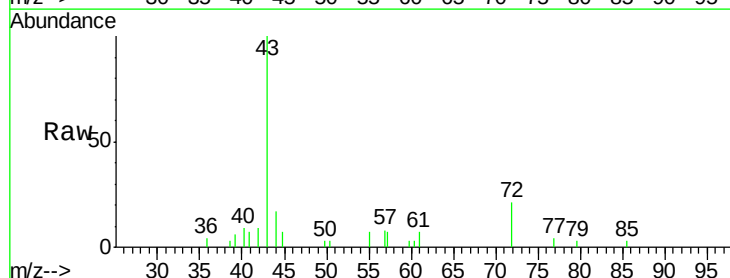
Acq: 10 Jul 2018 18:22

Tgt Ion: 43 Resp: 5561

Ion Ratio Lower Upper

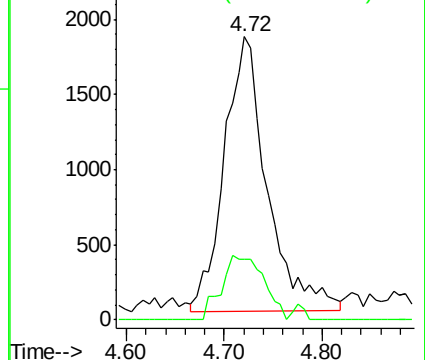
43 100

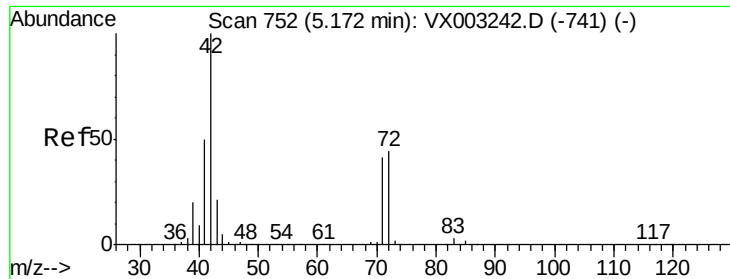
72 22.6 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 1.43 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX003291.D

Acq: 10 Jul 2018 18:22

Instrument :

MSVOA_X

ClientSampleId :

PB110944ZHE#05

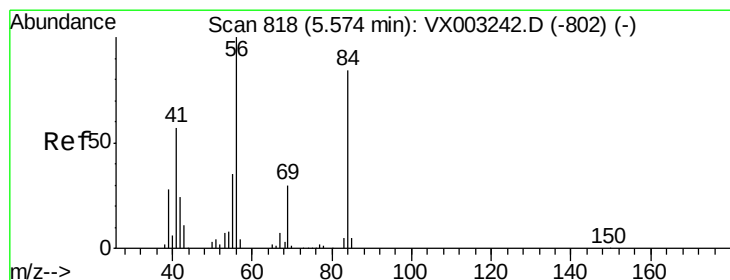
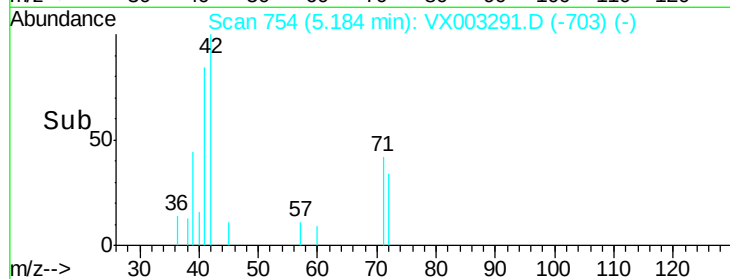
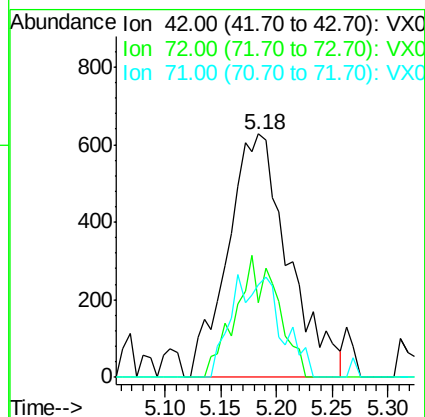
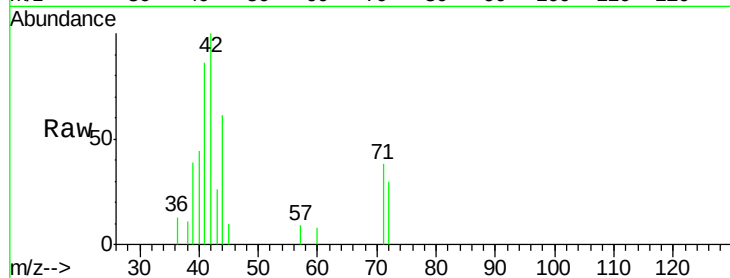
Tot Ion: 42 Resp: 2378

Ion Ratio Lower Upper

42 100

72 19.7 32.0 48.0#

71 18.1 30.1 45.1#



#31

Cyclohexane

Concen: 0.84 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.10 min

Lab File: VX003291.D

Acq: 10 Jul 2018 18:22

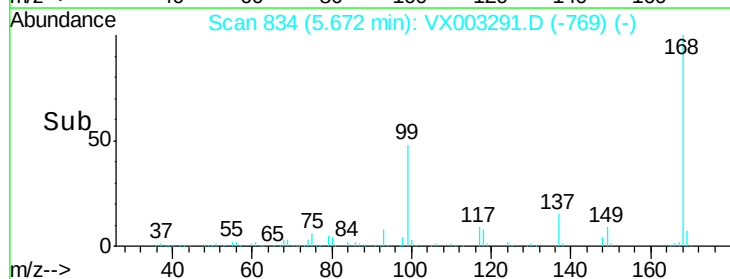
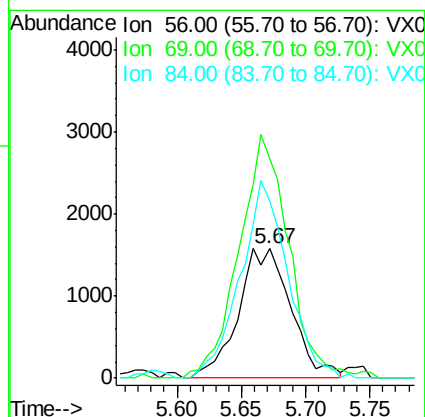
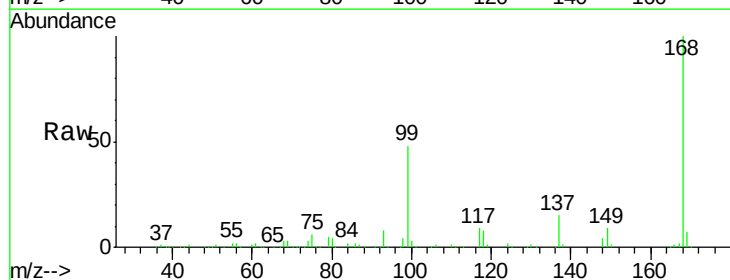
Tgt Ion: 56 Resp: 4493

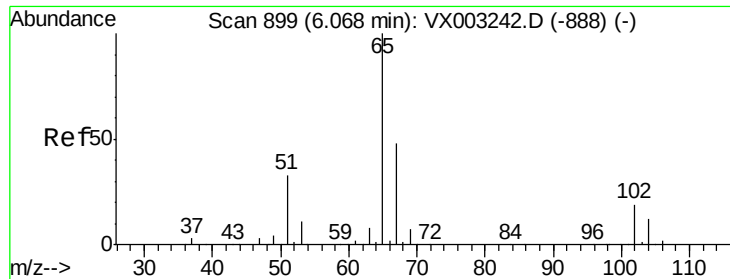
Ion Ratio Lower Upper

56 100

69 164.8 23.7 35.5#

84 136.4 64.1 96.1#

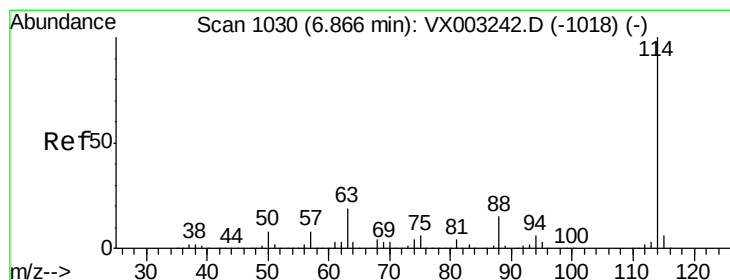
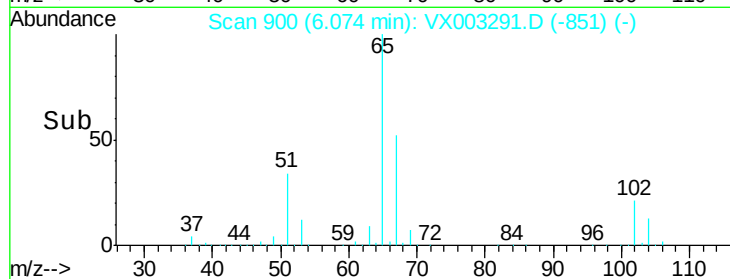
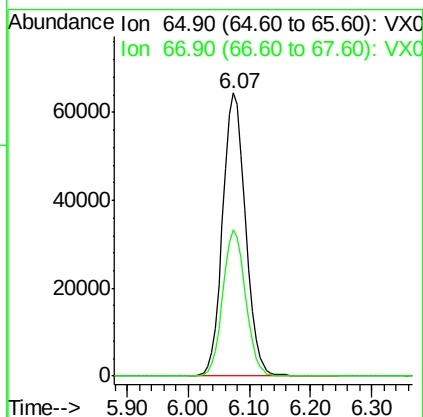
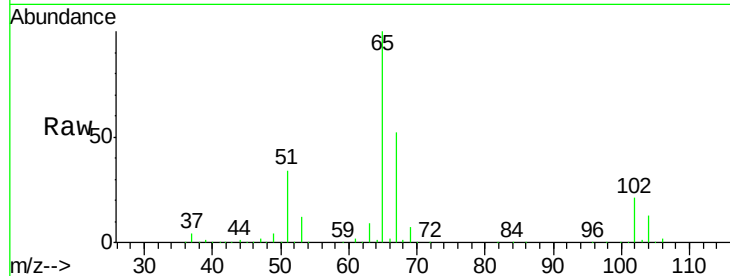




#33
 1,2-Dichloroethane-d4
 Concen: 40.83 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003291.D
 Acq: 10 Jul 2018 18:22

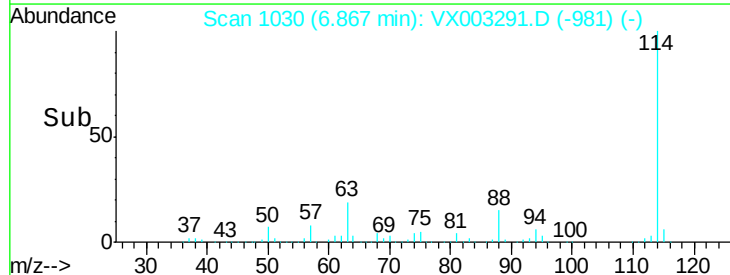
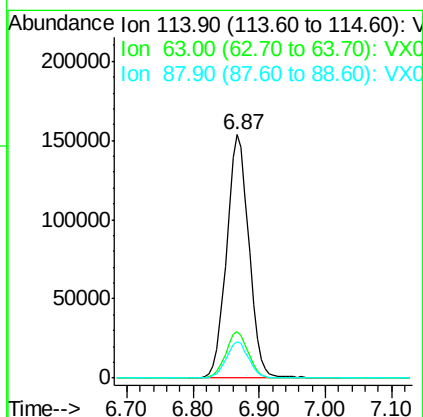
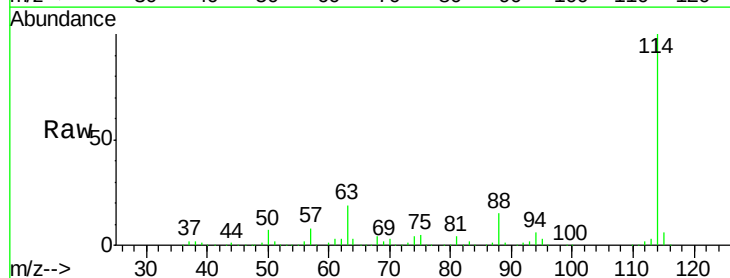
Instrument :
 MSVOA_X
 ClientSampleId :
 PB110944ZHE#05

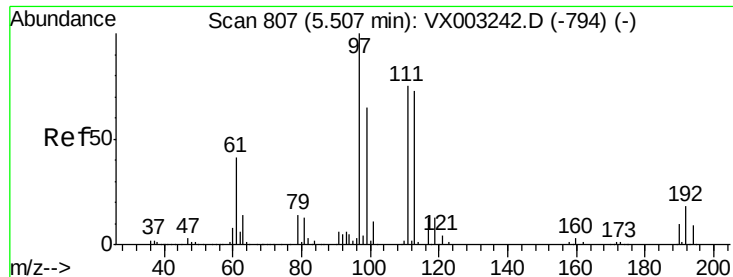
Tot Ion: 65 Resp: 166260
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003291.D
 Acq: 10 Jul 2018 18:22

Tgt Ion: 114 Resp: 359900
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 41.4
 88 14.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 36.72 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX003291.D

Acq: 10 Jul 2018 18:22

Instrument :

MSVOA_X

ClientSampleId :

PB110944ZHE#05

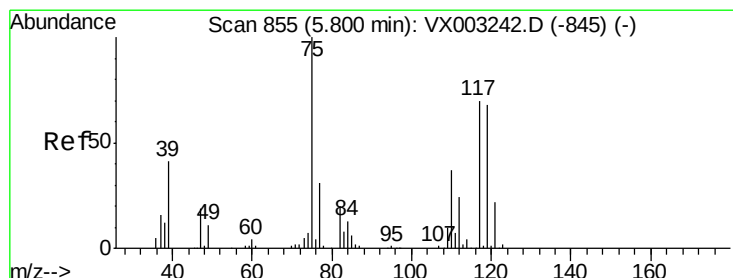
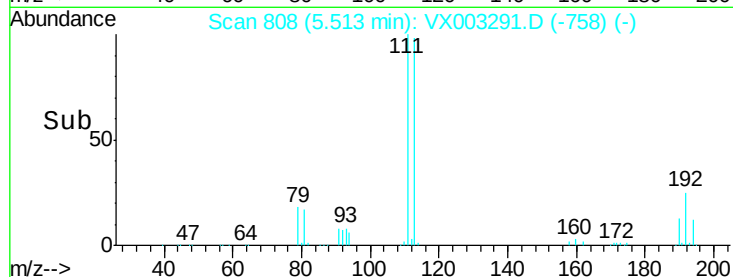
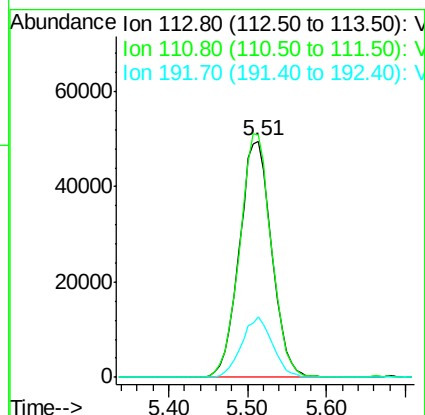
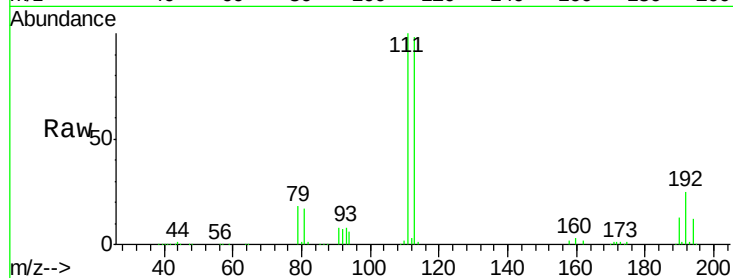
Tot Ion:113 Resp: 141972

Ion Ratio Lower Upper

113 100

111 100.9 81.4 122.0

192 24.4 19.1 28.7



#36

1,1-Dichloropropene

Concen: 3.29 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003291.D

Acq: 10 Jul 2018 18:22

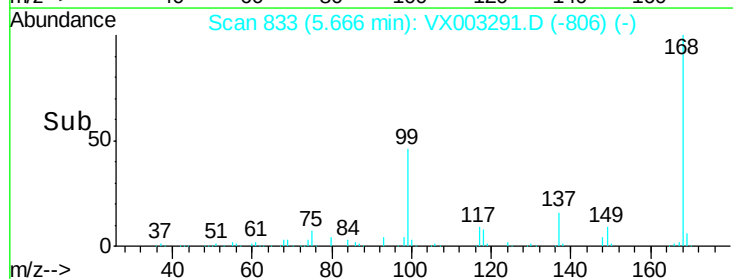
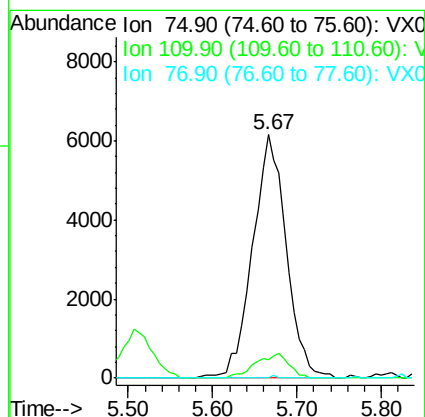
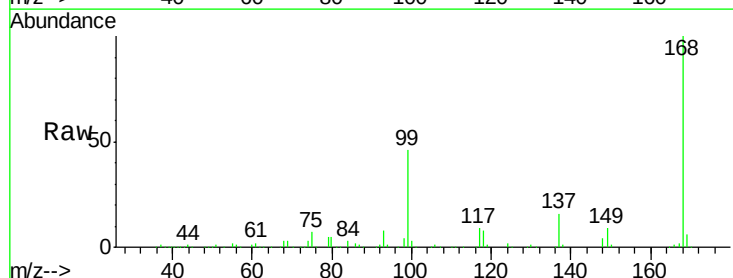
Tgt Ion: 75 Resp: 16744

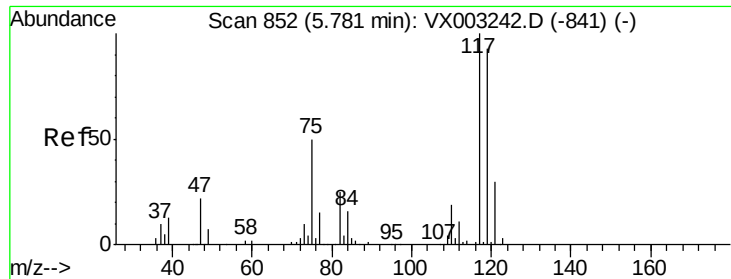
Ion Ratio Lower Upper

75 100

110 9.9 18.1 54.4#

77 0.2 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 4.13 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.11 min

Lab File: VX003291.D

Acq: 10 Jul 2018 18:22

Instrument :

MSVOA_X

ClientSampleId :

PB110944ZHE#05

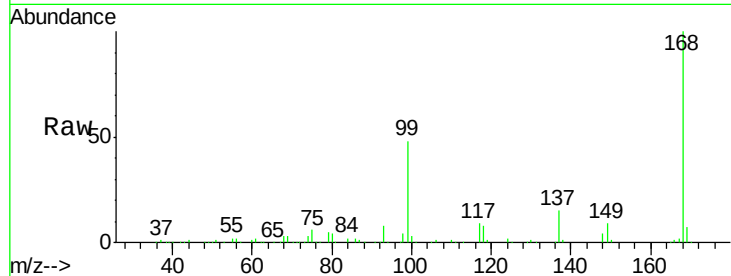
Tot Ion:117 Resp: 23001

Ion Ratio Lower Upper

117 100

119 7.4 77.4 116.0#

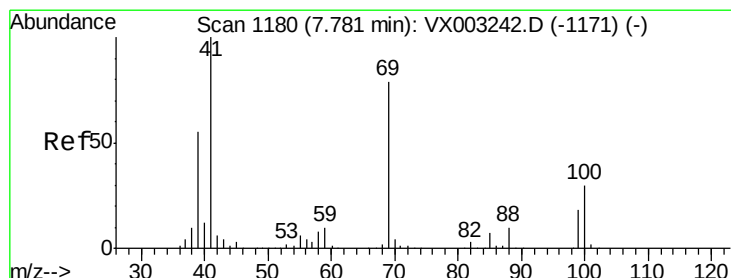
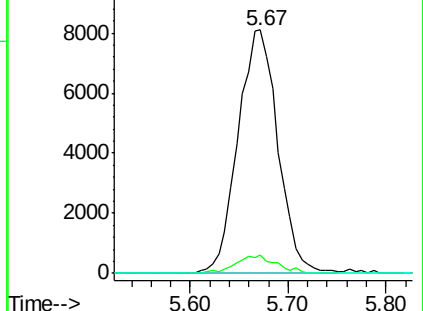
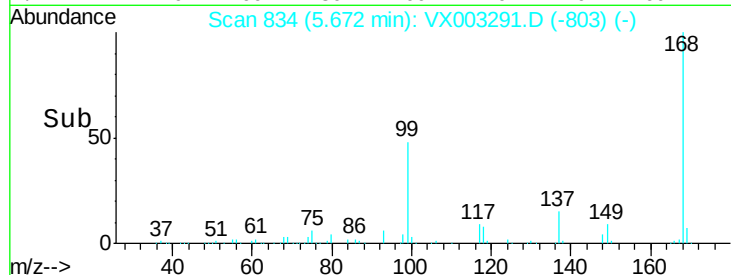
121 0.0 24.4 36.6#



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



#48

Methyl methacrylate

Concen: 0.42 ug/l

RT: 7.73 min Scan# 1171

Delta R.T. -0.05 min

Lab File: VX003291.D

Acq: 10 Jul 2018 18:22

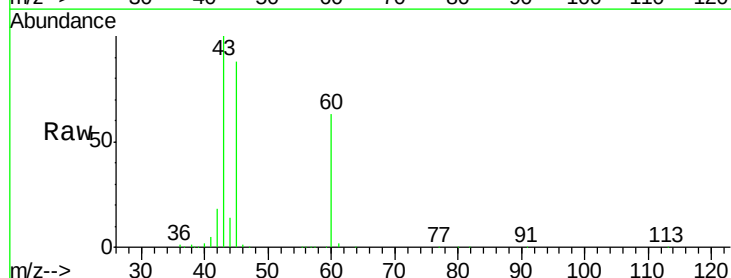
Tgt Ion: 41 Resp: 1877

Ion Ratio Lower Upper

41 100

69 0.0 59.1 88.7#

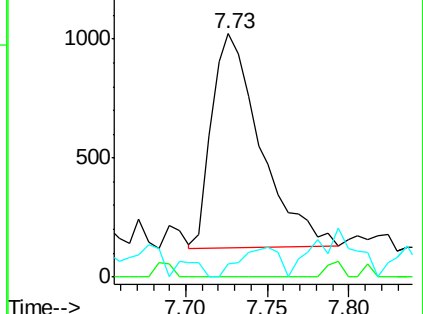
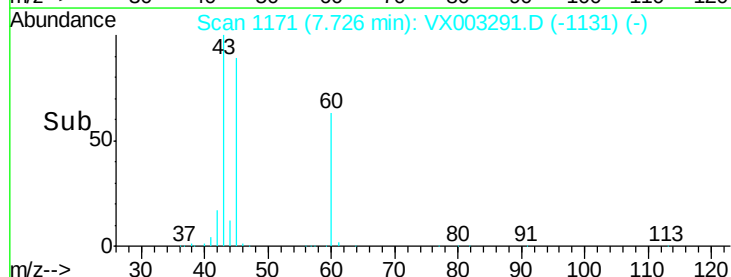
39 0.0 48.9 73.3#

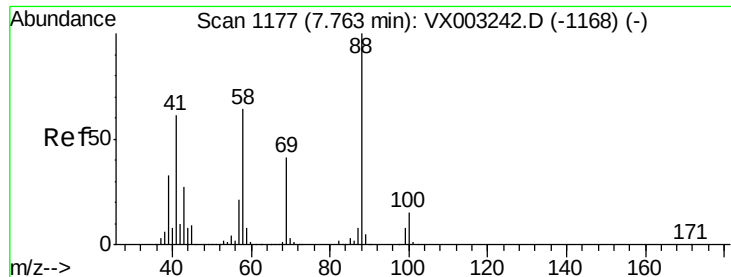


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

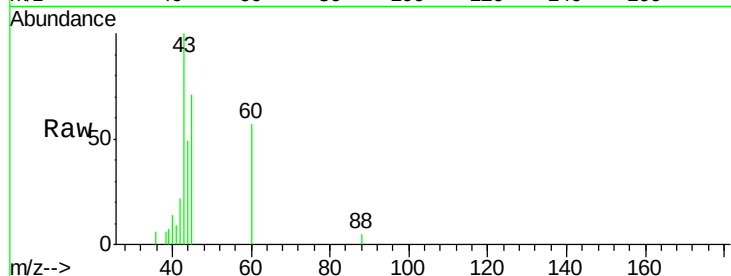




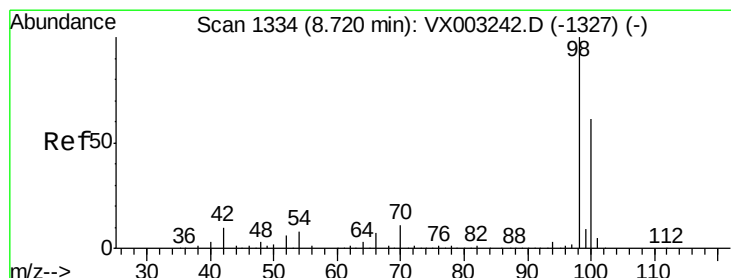
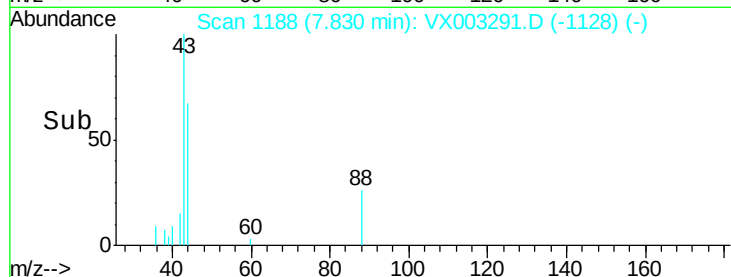
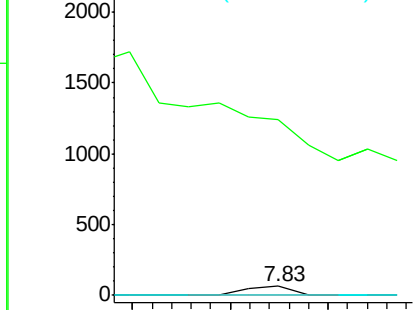
#49
1,4-Dioxane
Concen: 0.45 ug/l
RT: 7.83 min Scan# 1188
Delta R.T. 0.07 min
Lab File: VX003291.D
Acq: 10 Jul 2018 18:22

Instrument :
MSVOA_X
ClientSampleId :
PB110944ZHE#05

Tot Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 0.0 29.8 44.6#
58 0.0 57.1 85.7#

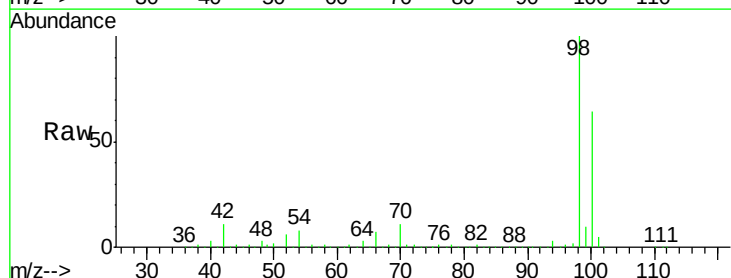


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

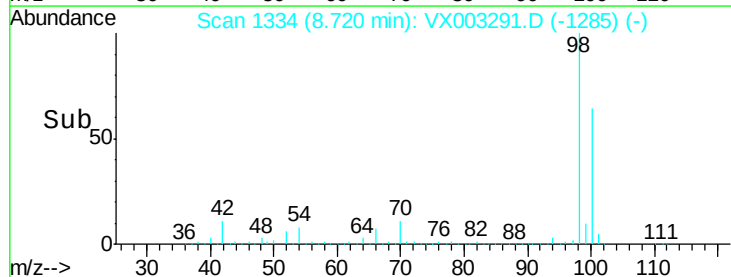
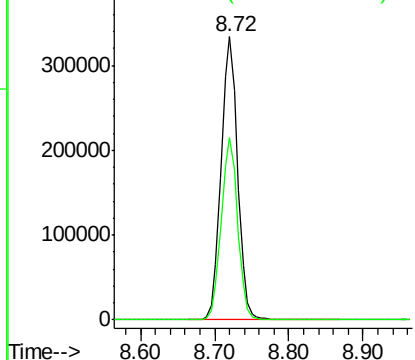


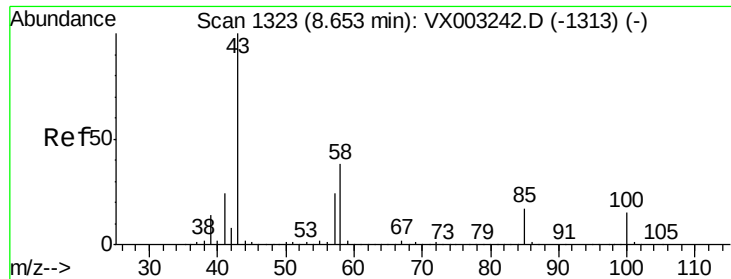
#50
Toluene-d8
Concen: 37.37 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003291.D
Acq: 10 Jul 2018 18:22

Tgt Ion: 98 Resp: 513175
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.31 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX003291.D

Acq: 10 Jul 2018 18:22

Instrument :

MSVOA_X

ClientSampleId :

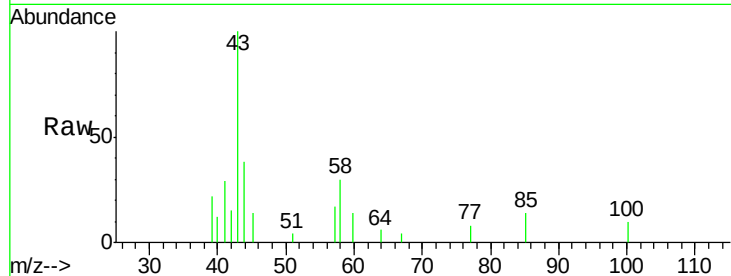
PB110944ZHE#05

Tot Ion: 43 Resp: 1712

Ion Ratio Lower Upper

43 100

58 45.4 28.6 42.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

3000

2500

2000

1500

1000

500

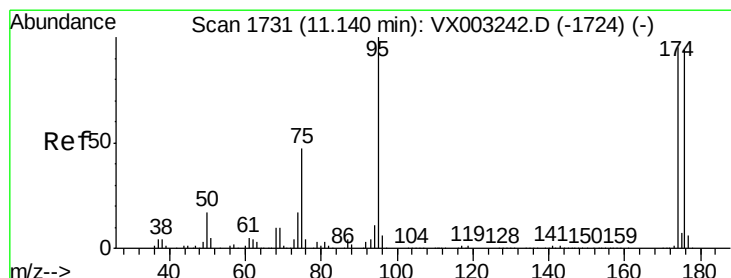
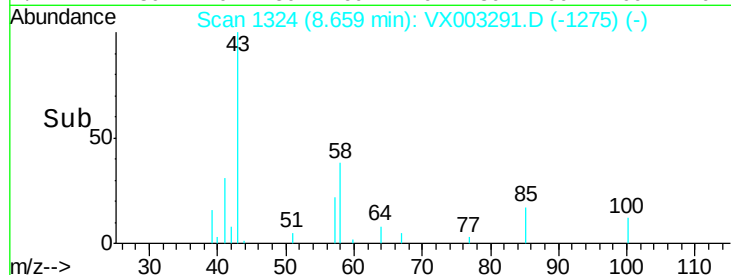
0

8.60

8.65

8.70

Time-->



#62

4-Bromofluorobenzene

Concen: 34.43 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003291.D

Acq: 10 Jul 2018 18:22

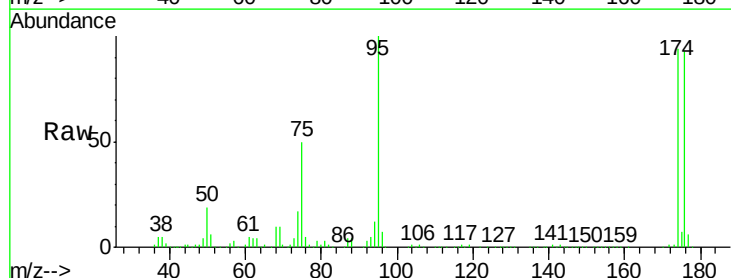
Tgt Ion: 95 Resp: 174718

Ion Ratio Lower Upper

95 100

174 100.7 0.0 187.4

176 97.8 0.0 181.0



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

150000

100000

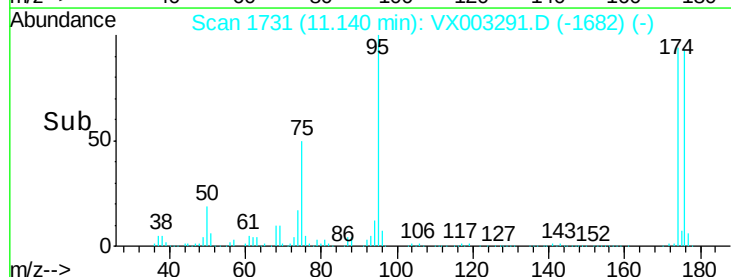
50000

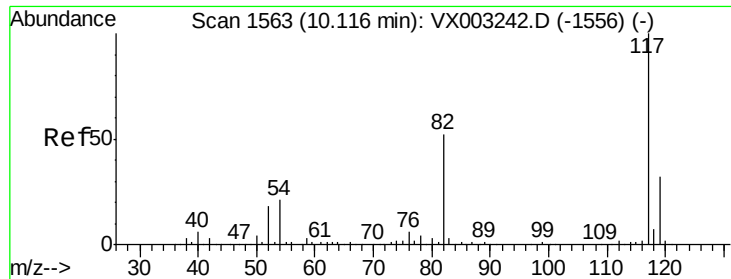
0

11.10

11.20

Time-->

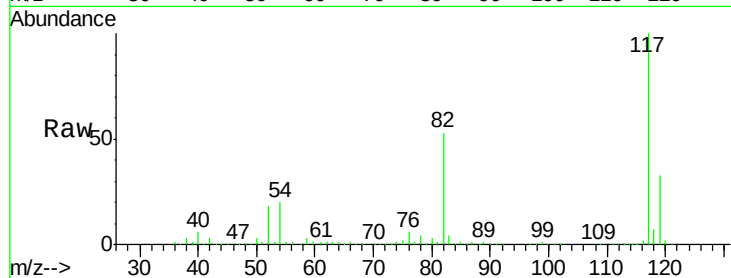




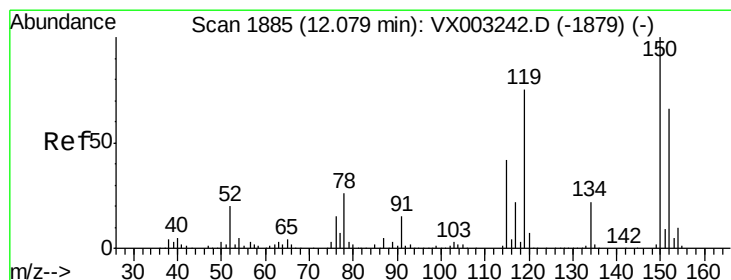
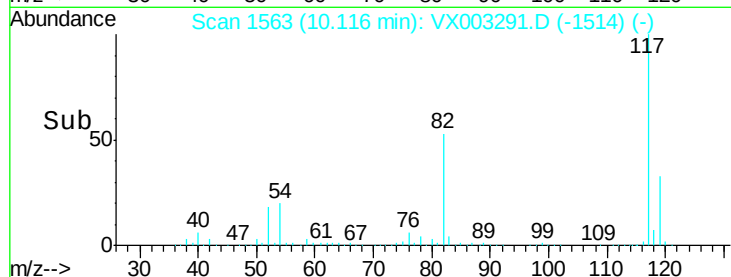
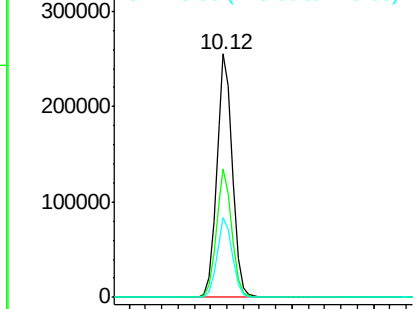
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003291.D
Acq: 10 Jul 2018 18:22

Instrument :
MSVOA_X
ClientSampleId :
PB110944ZHE#05

Tot Ion:117 Resp: 343541
Ion Ratio Lower Upper
117 100
82 52.8 45.0 67.4
119 32.6 25.8 38.6

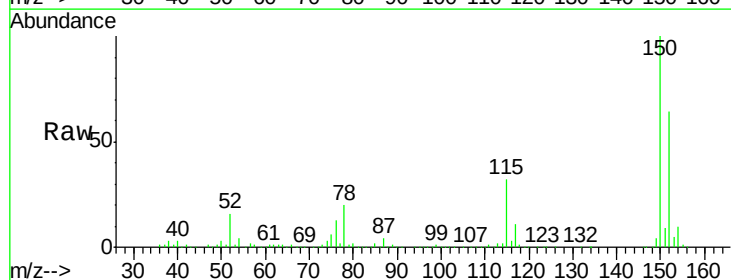


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

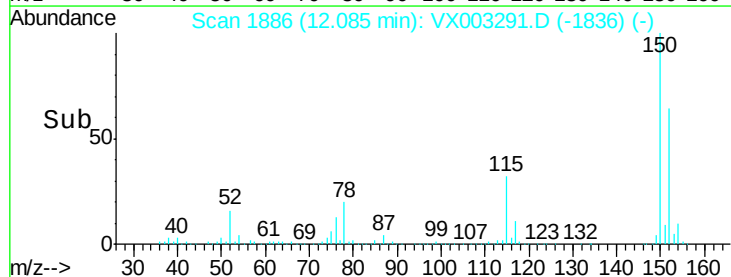
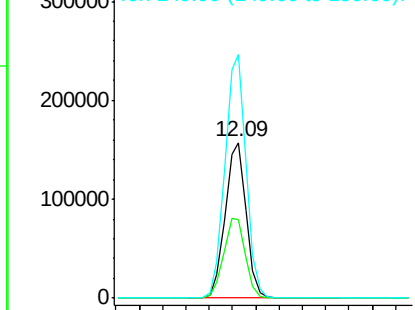


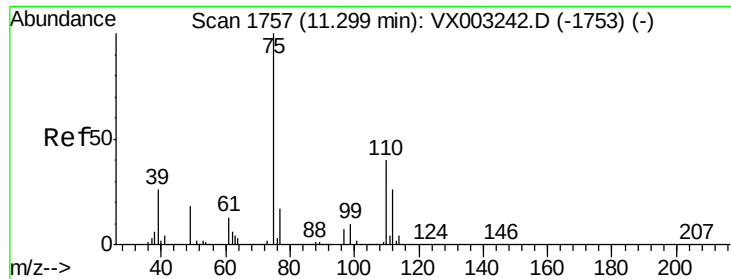
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VX003291.D
Acq: 10 Jul 2018 18:22

Tgt Ion:152 Resp: 194757
Ion Ratio Lower Upper
152 100
115 52.8 40.1 120.2
150 157.5 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

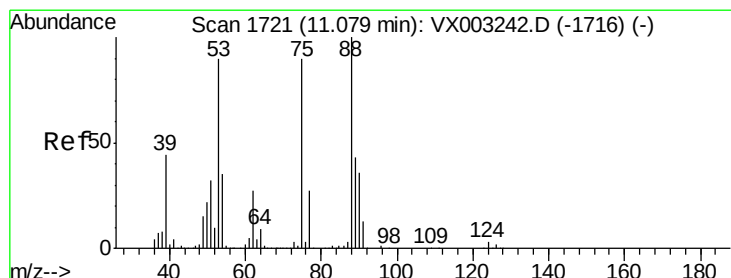
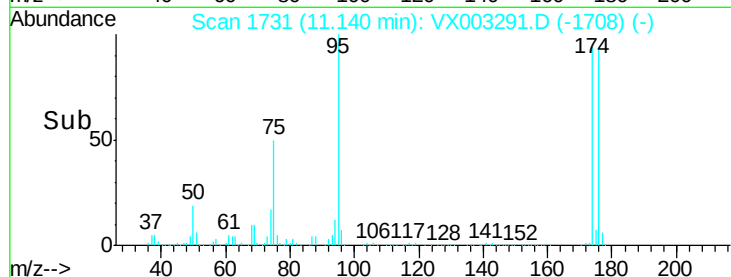
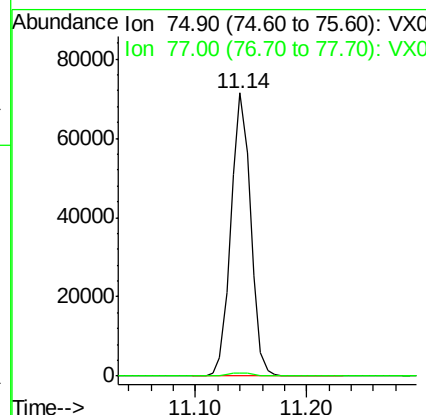
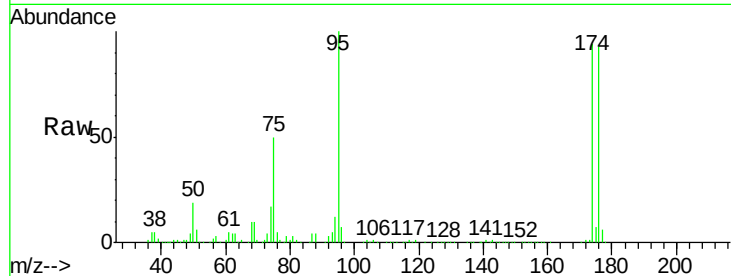




#76
 1,2,3-Trichloropropane
 Concen: 20.81 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003291.D
 Acq: 10 Jul 2018 18:22

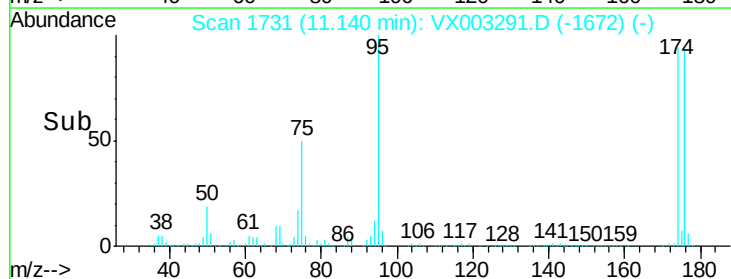
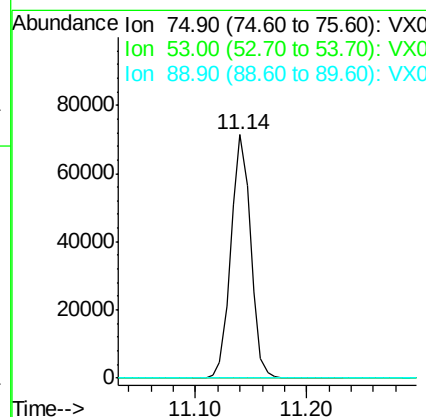
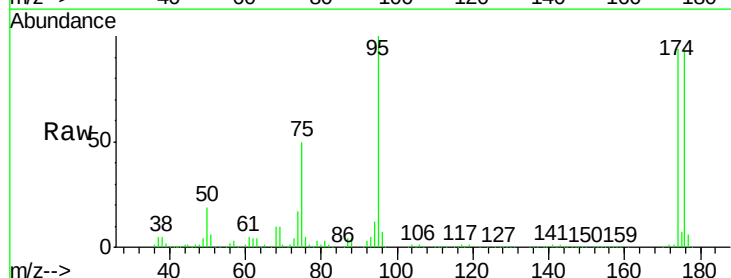
Instrument :
 MSVOA_X
 ClientSampleId :
 PB110944ZHE#05

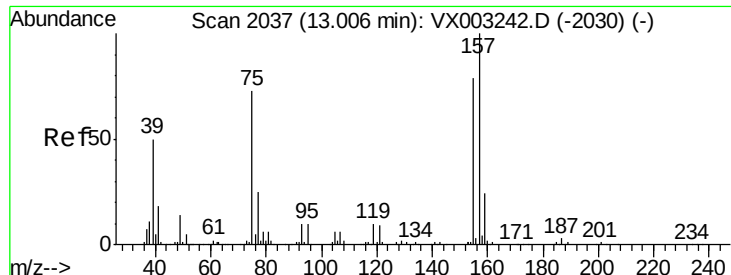
Tot Ion: 75 Resp: 87596
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.02 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003291.D
 Acq: 10 Jul 2018 18:22

Tgt Ion: 75 Resp: 87596
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.1 38.2 57.2#





#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: VX003291.D

Acq: 10 Jul 2018 18:22

Instrument :

MSVOA_X

ClientSampleId :

PB110944ZHE#05

Tot Ion: 75 Resp: 279

Ion Ratio Lower Upper

75 100

155 0.0 45.8 137.4#

157 0.0 60.1 180.3#

