

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072618\
 Data File : VX003681.D
 Acq On : 26 Jul 2018 20:12
 Operator : JC/SP
 Sample : J4069-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY0300F003-180718

Quant Time: Jul 27 05:37:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	82048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	114664	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	112680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	63843	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	61482	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
35) Dibromofluoromethane	5.51	113	56672	60.46	ug/l	0.00
Spiked Amount			Recovery	=	120.92%	
50) Toluene-d8	8.72	98	202264	56.54	ug/l	0.00
Spiked Amount			Recovery	=	113.08%	
62) 4-Bromofluorobenzene	11.14	95	63155	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	

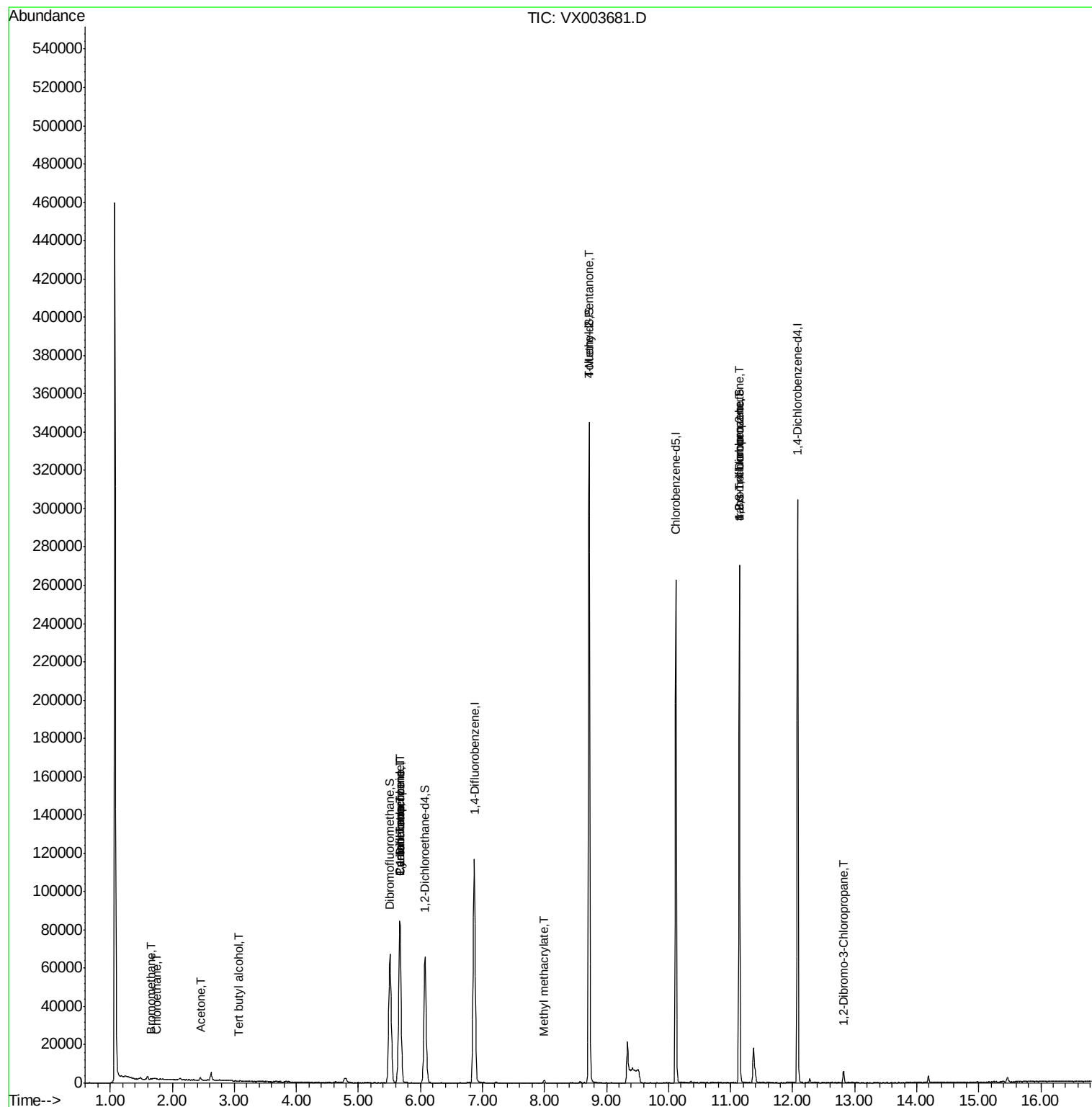
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	130	0.21	ug/l #	63
6) Chloroethane	1.73	64	139	2.10	ug/l #	74
11) Tert butyl alcohol	3.07	59	114	0.39	ug/l #	72
16) Acetone	2.45	43	1497	2.62	ug/l	94
31) Cyclohexane	5.67	56	1631	1.00	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	5946	4.44	ug/l #	49
38) Carbon Tetrachloride	5.67	117	7704	5.96	ug/l #	16
48) Methyl methacrylate	7.99	41	488	0.41	ug/l #	34
51) 4-Methyl-2-Pentanone	8.72	43	937	0.59	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	32550	24.31	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	32550	75.31	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.82	75	117	0.35	ug/l #	1

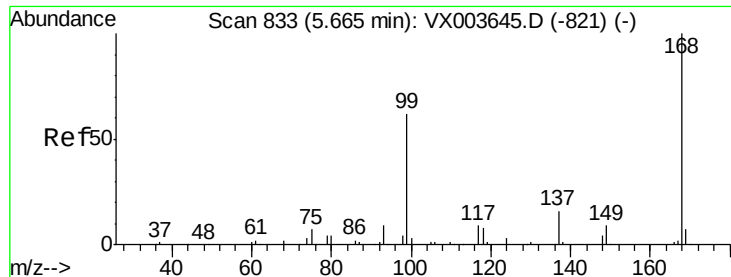
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003681.D

Acq: 26 Jul 2018 20:12

Instrument :

MSVOA_X

ClientSampleId :

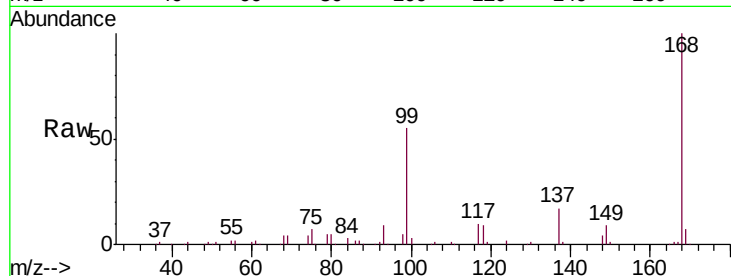
KY0300F003-180718

Tot Ion:168 Resp: 82048

Ion Ratio Lower Upper

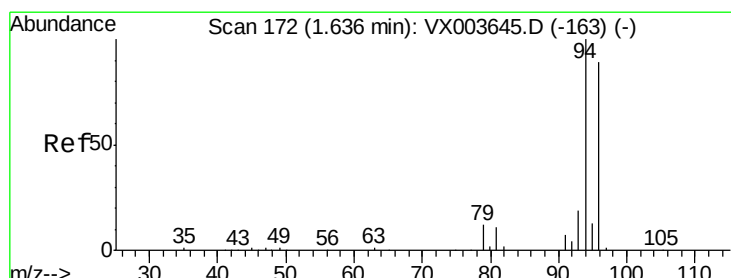
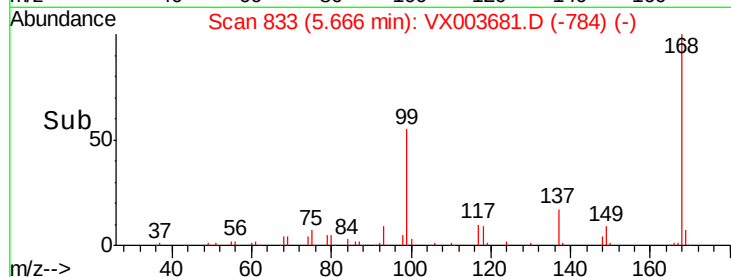
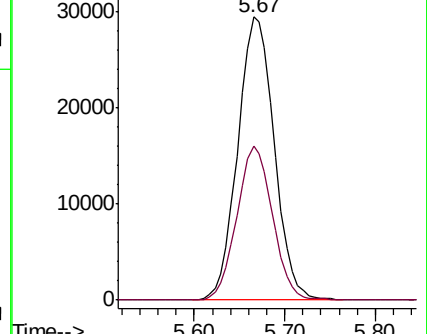
168 100

99 54.6 49.5 74.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.21 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003681.D

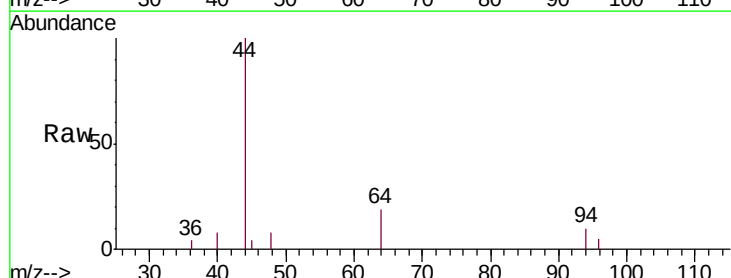
Acq: 26 Jul 2018 20:12

Tgt Ion: 94 Resp: 130

Ion Ratio Lower Upper

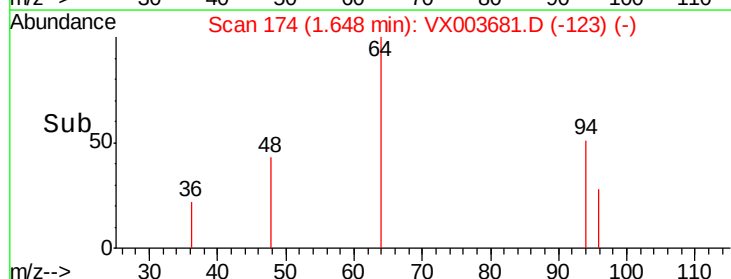
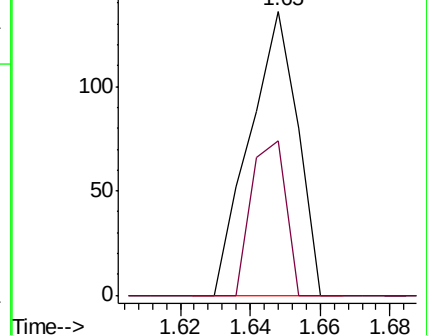
94 100

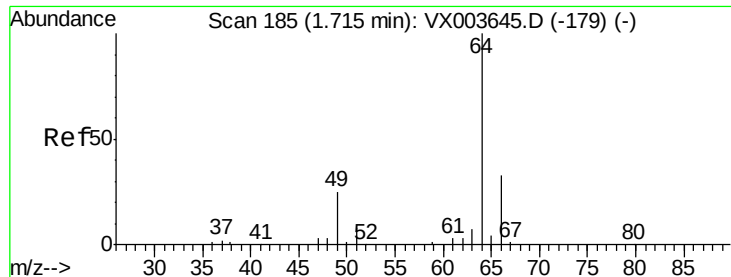
96 54.4 71.3 106.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 2.10 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.02 min

Lab File: VX003681.D

Acq: 26 Jul 2018 20:12

Instrument :

MSVOA_X

ClientSampleId :

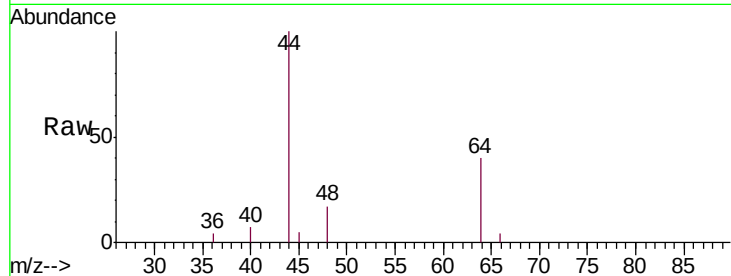
KY0300F003-180718

Tot Ion: 64 Resp: 139

Ion Ratio Lower Upper

64 100

66 47.7 26.3 39.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

600

500

400

300

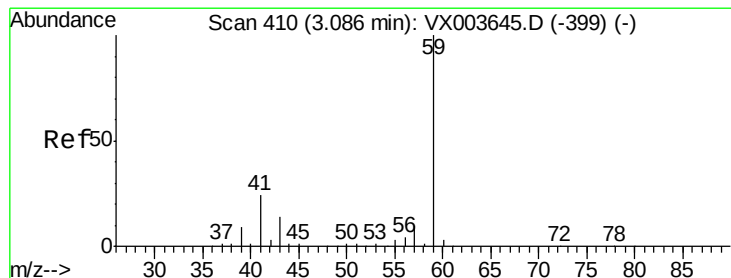
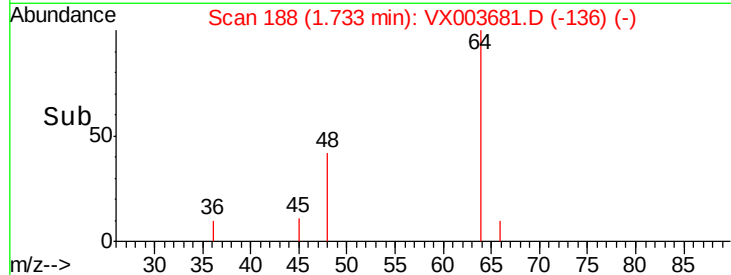
200

100

0

1.72 1.74 1.76

Time-->



#11

Tert butyl alcohol

Concen: 0.39 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VX003681.D

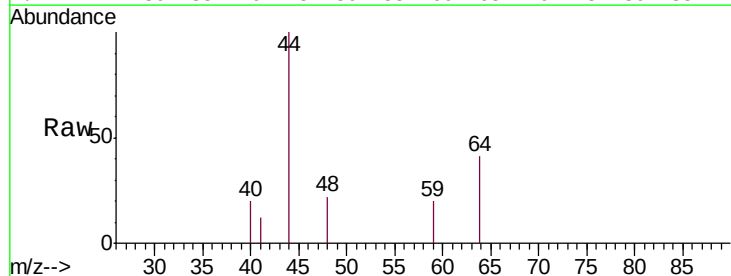
Acq: 26 Jul 2018 20:12

Tgt Ion: 59 Resp: 114

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

120

100

80

60

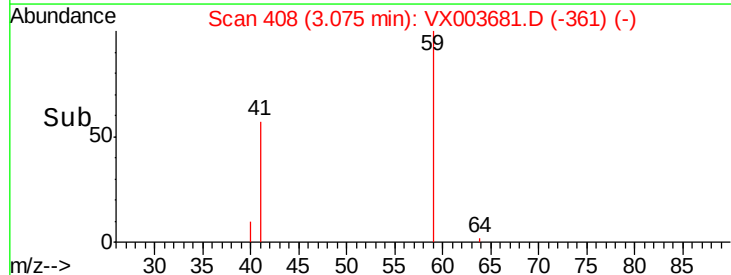
40

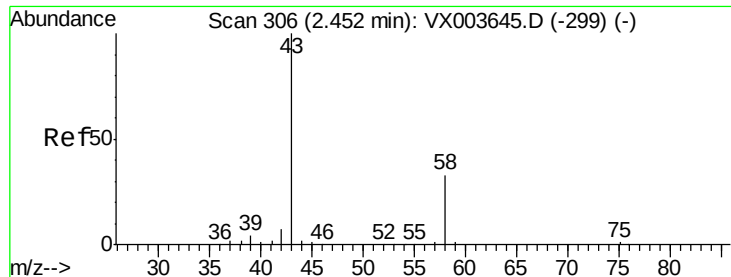
20

0

3.04 3.06 3.08 3.10

Time-->





#16

Acetone

Concen: 2.62 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX003681.D

Acq: 26 Jul 2018 20:12

Instrument :

MSVOA_X

ClientSampleId :

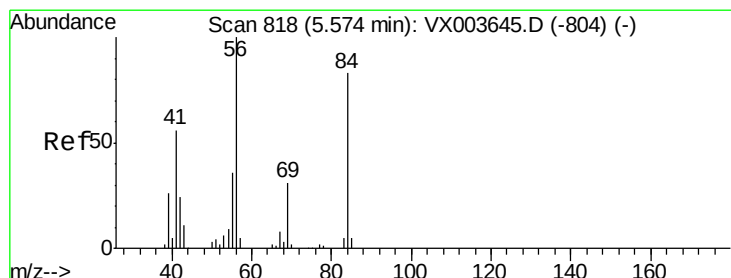
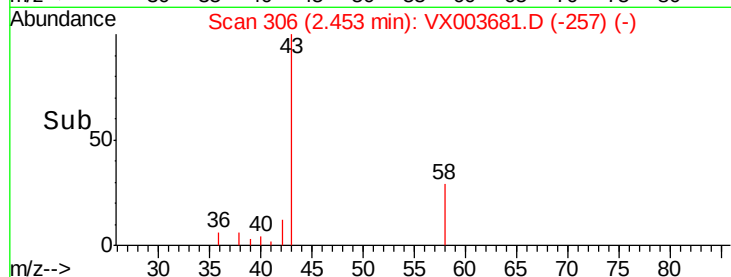
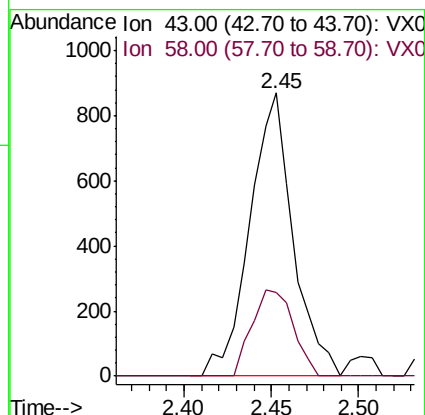
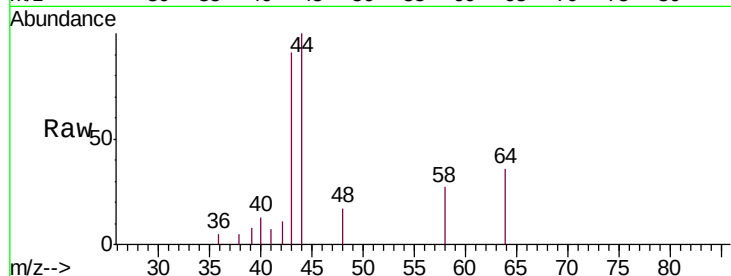
KY0300F003-180718

Tot Ion: 43 Resp: 1497

Ion Ratio Lower Upper

43 100

58 29.5 26.1 39.1



#31

Cyclohexane

Concen: 1.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.10 min

Lab File: VX003681.D

Acq: 26 Jul 2018 20:12

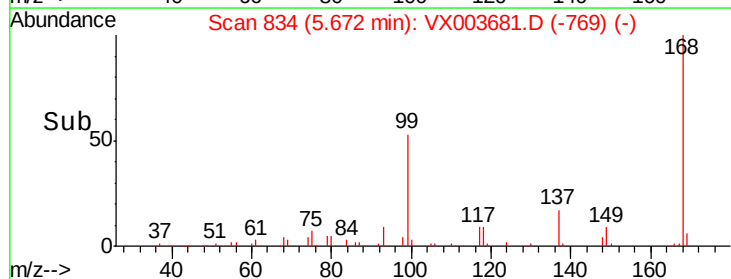
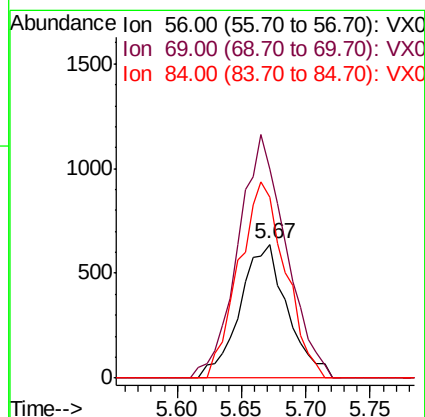
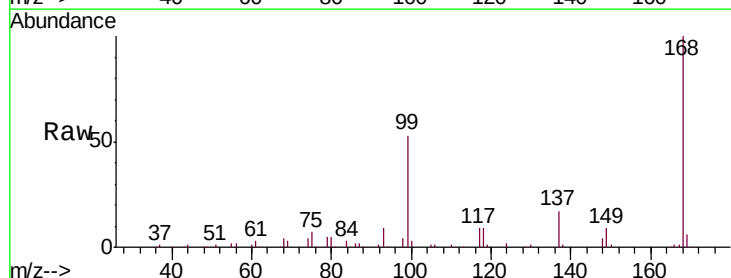
Tgt Ion: 56 Resp: 1631

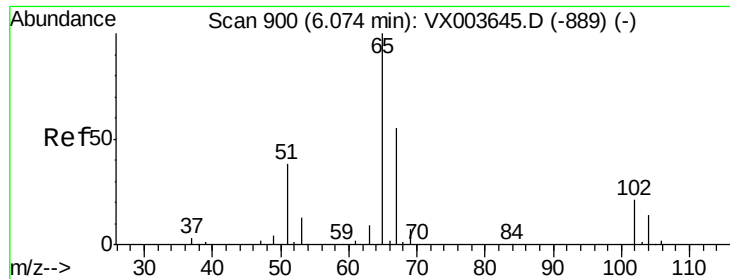
Ion Ratio Lower Upper

56 100

69 155.7 25.0 37.6#

84 134.7 66.5 99.7#

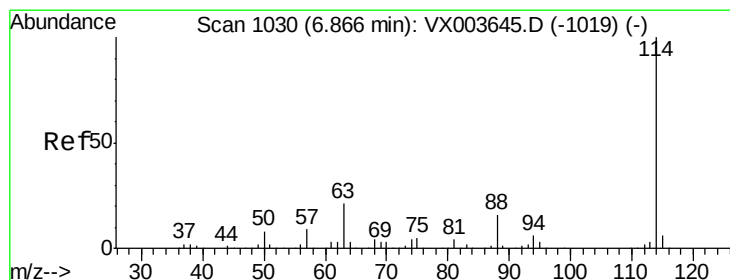
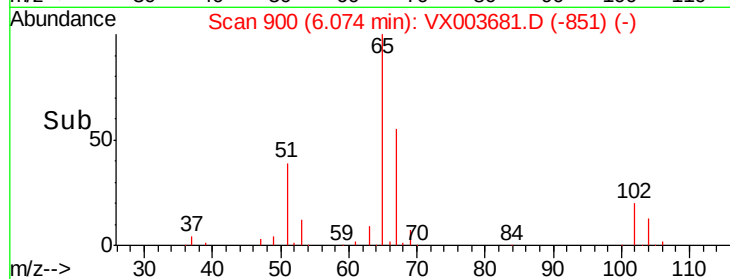
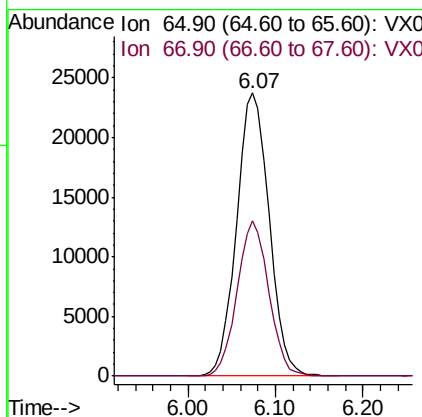
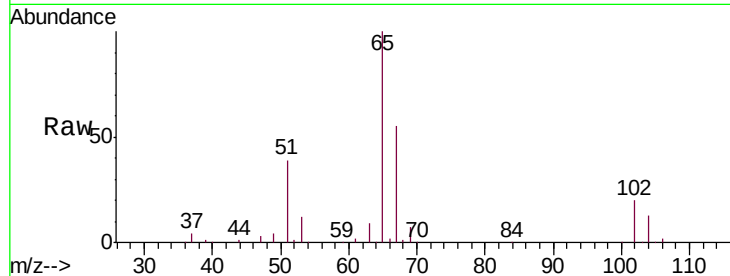




#33
 1,2-Dichloroethane-d4
 Concen: 50.59 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003681.D
 Acq: 26 Jul 2018 20:12

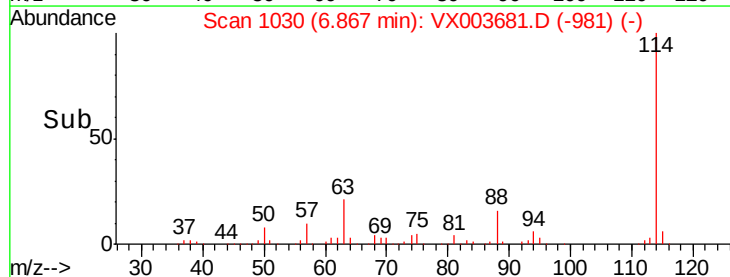
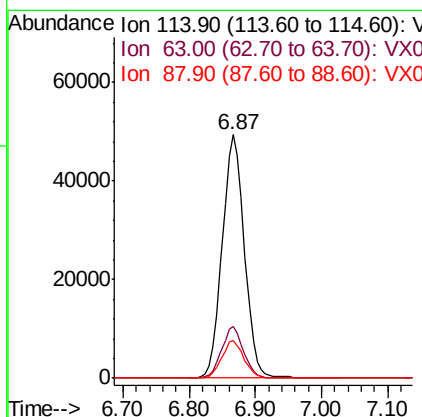
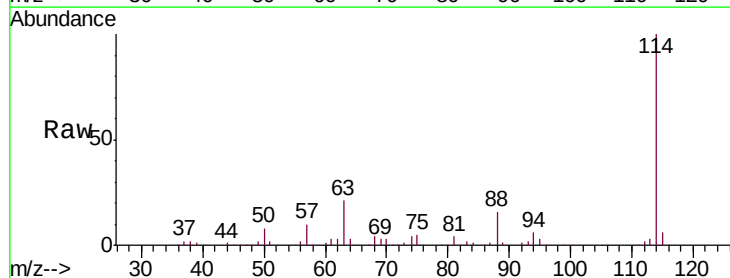
Instrument :
 MSVOA_X
 ClientSampleId :
 KY0300F003-180718

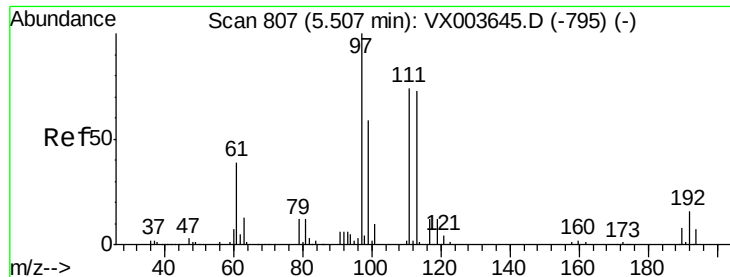
Tot Ion: 65 Resp: 61482
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003681.D
 Acq: 26 Jul 2018 20:12

Tgt Ion: 114 Resp: 114664
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.0
 88 15.6 0.0 31.8

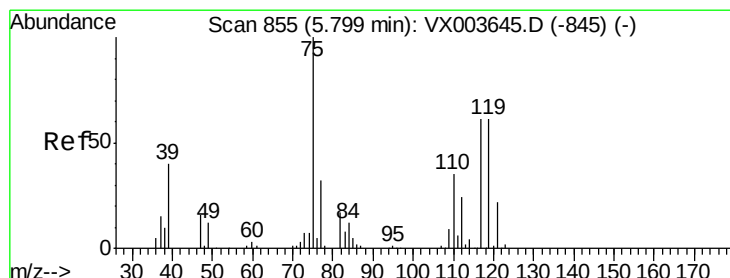
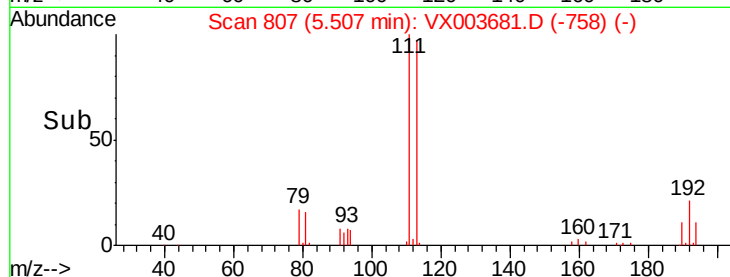
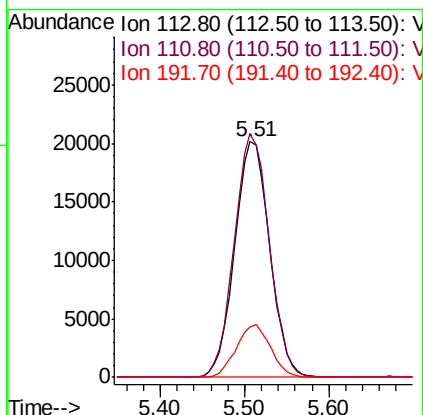
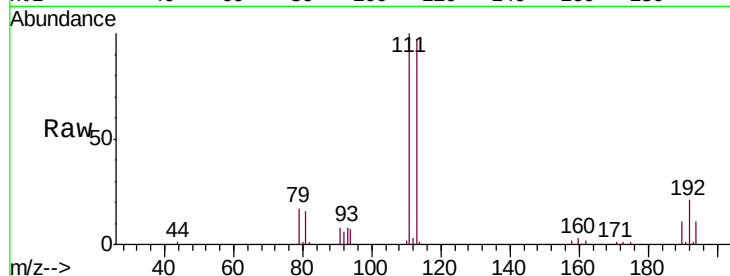




#35
Dibromofluoromethane
Concen: 60.46 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX003681.D
Acq: 26 Jul 2018 20:12

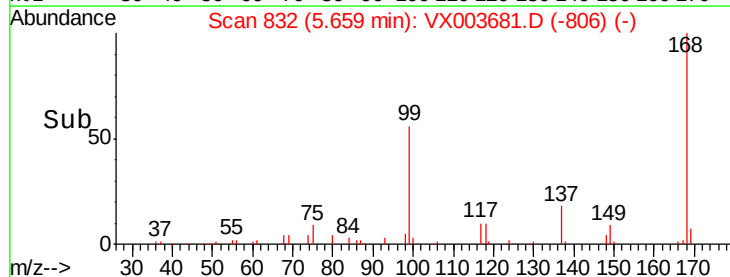
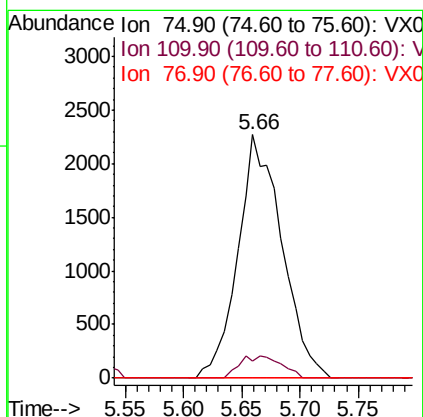
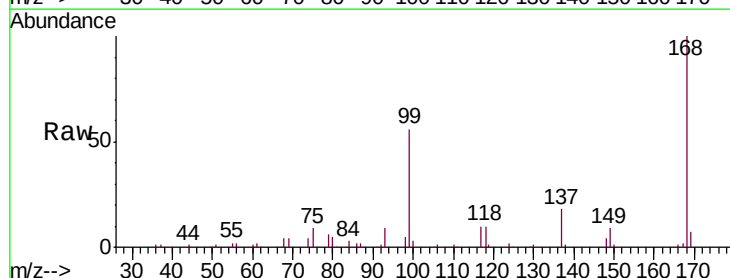
Instrument :
MSVOA_X
ClientSampleId :
KY0300F003-180718

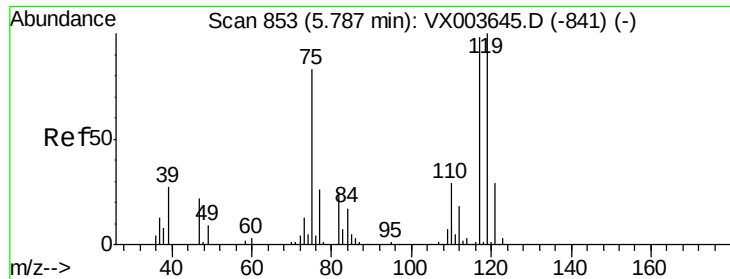
Tot Ion:113 Resp: 56672
Ion Ratio Lower Upper
113 100
111 103.1 81.2 121.8
192 22.0 18.2 27.4



#36
1,1-Dichloropropene
Concen: 4.44 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.14 min
Lab File: VX003681.D
Acq: 26 Jul 2018 20:12

Tgt Ion: 75 Resp: 5946
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.1#
77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.96 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003681.D

Acq: 26 Jul 2018 20:12

Instrument :

MSVOA_X

ClientSampleId :

KY0300F003-180718

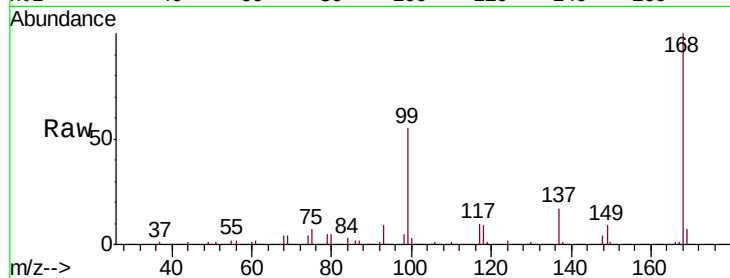
Tot Ion:117 Resp: 7704

Ion Ratio Lower Upper

117 100

119 7.7 81.0 121.4#

121 0.0 23.7 35.5#



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

3000

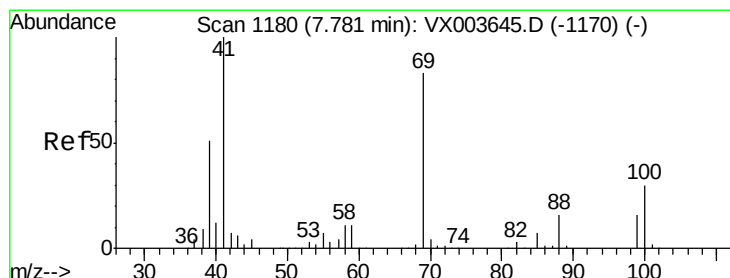
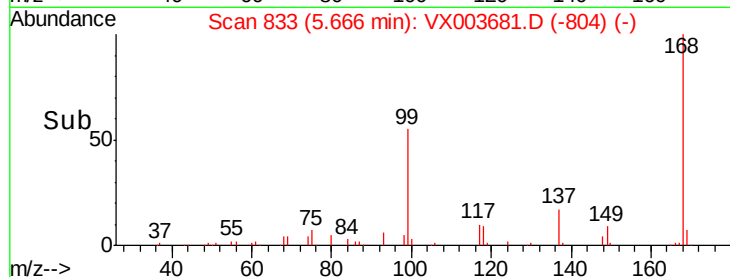
2000

1000

0

5.67

Time--> 5.55 5.60 5.65 5.70 5.75



#48

Methyl methacrylate

Concen: 0.41 ug/l

RT: 7.99 min Scan# 1214

Delta R.T. 0.21 min

Lab File: VX003681.D

Acq: 26 Jul 2018 20:12

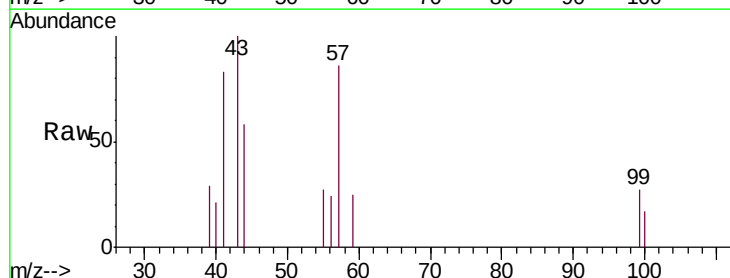
Tgt Ion: 41 Resp: 488

Ion Ratio Lower Upper

41 100

69 0.0 66.9 100.3#

39 35.7 41.2 61.8#



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

300

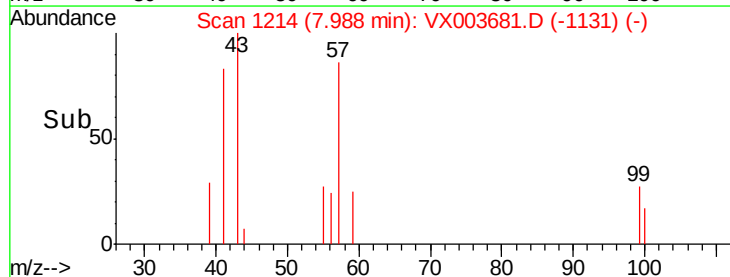
200

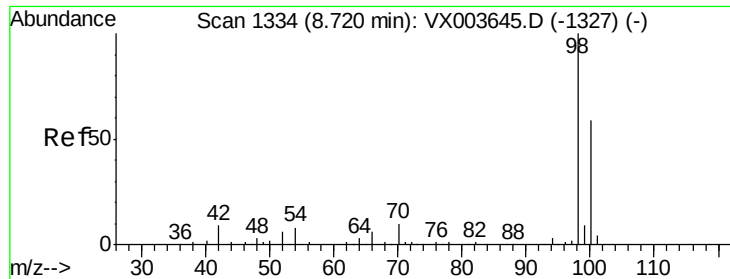
100

0

7.99

Time--> 7.95 8.00 8.05





#50

Toluene-d8

Concen: 56.54 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003681.D

Acq: 26 Jul 2018 20:12

Instrument :

MSVOA_X

ClientSampleId :

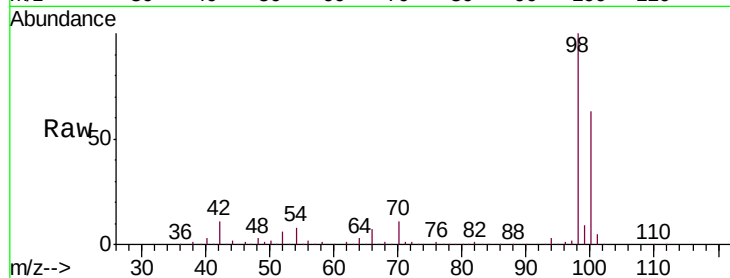
KY0300F003-180718

Tot Ion: 98 Resp: 202264

Ion Ratio Lower Upper

98 100

100 63.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

150000

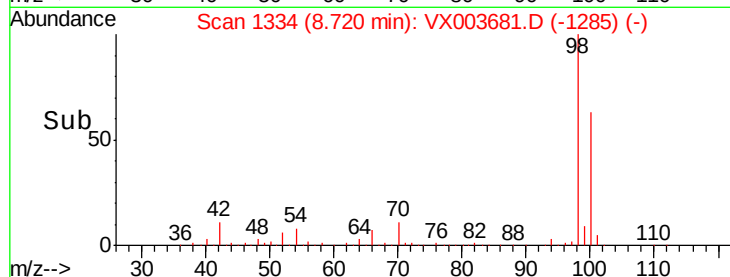
100000

50000

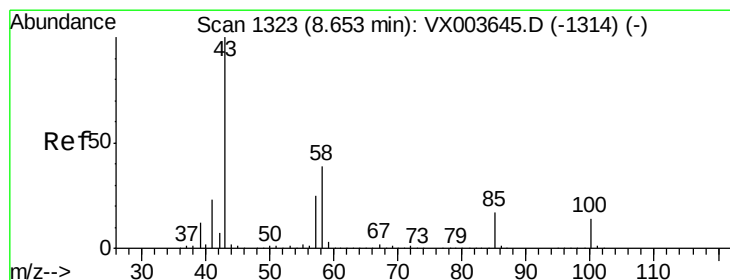
0

8.60 8.70 8.80 8.90

8.72



Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.59 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.07 min

Lab File: VX003681.D

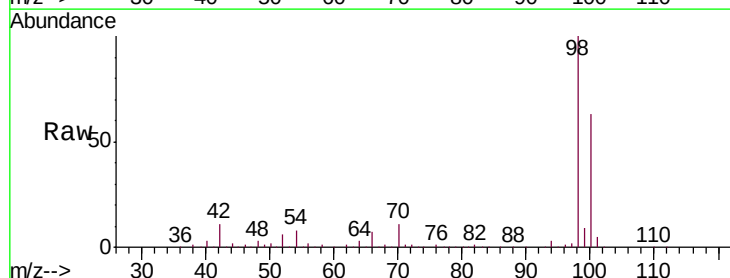
Acq: 26 Jul 2018 20:12

Tgt Ion: 43 Resp: 937

Ion Ratio Lower Upper

43 100

58 176.7 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1000

800

600

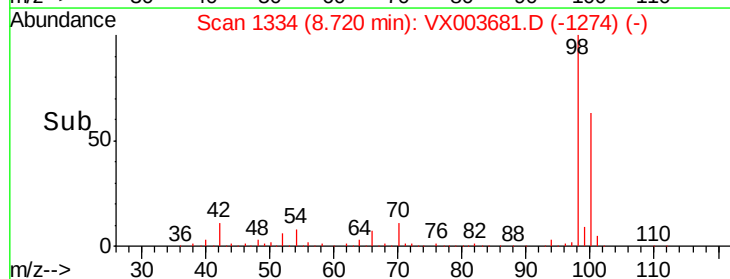
400

200

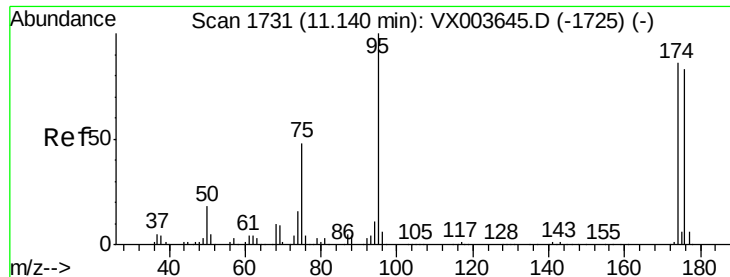
0

8.65 8.70 8.75

8.72



Time-->



#62

4-Bromofluorobenzene

Concen: 48.40 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003681.D

Acq: 26 Jul 2018 20:12

Instrument :

MSVOA_X

ClientSampleId :

KY0300F003-180718

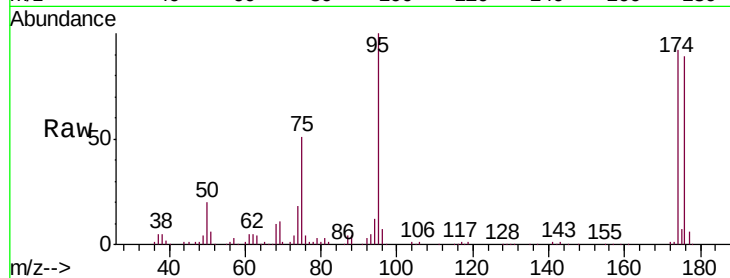
Tot Ion: 95 Resp: 63155

Ion Ratio Lower Upper

95 100

174 92.5 0.0 179.0

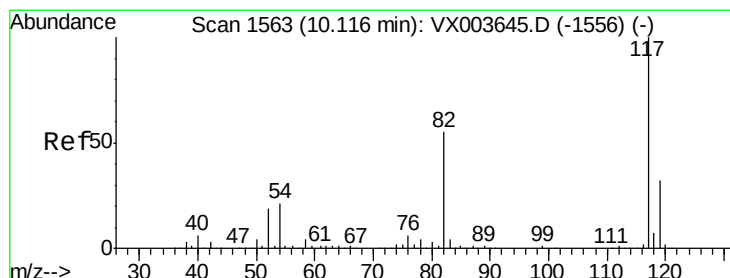
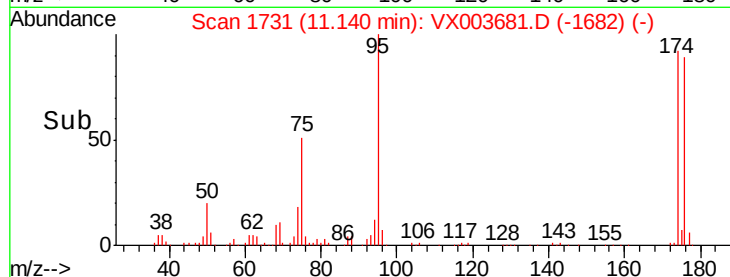
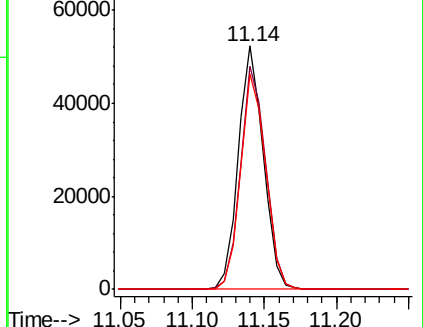
176 89.3 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX003645.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX003645.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX003645.D (-1725) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003681.D

Acq: 26 Jul 2018 20:12

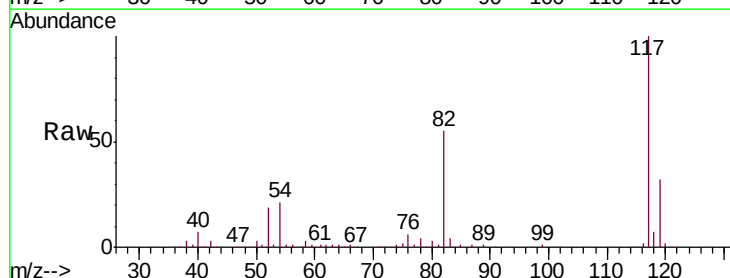
Tgt Ion: 117 Resp: 112680

Ion Ratio Lower Upper

117 100

82 54.5 44.3 66.5

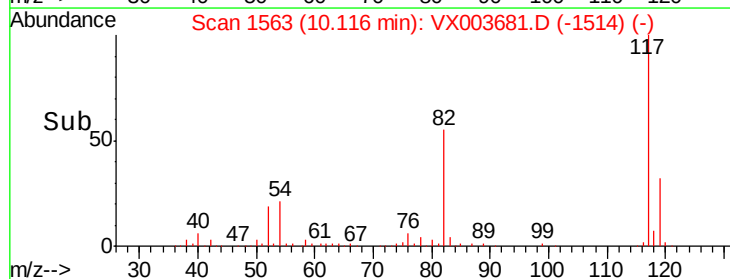
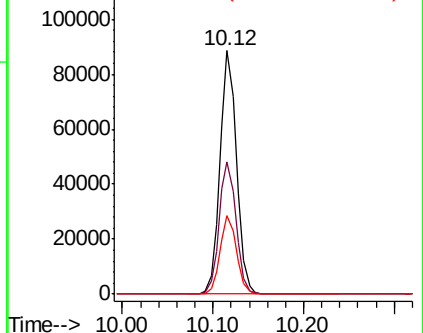
119 32.0 25.6 38.4

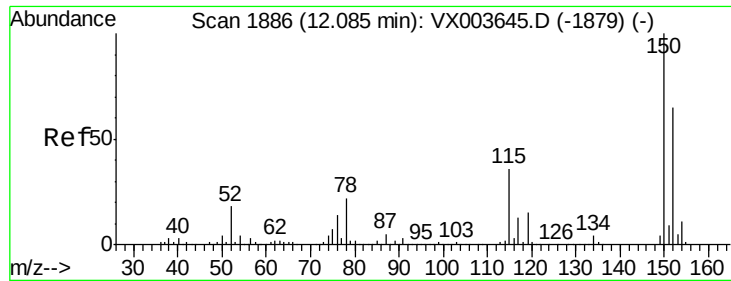


Abundance Ion 116.90 (116.60 to 117.60): VX003645.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX003645.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX003645.D (-1556) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003681.D

Acq: 26 Jul 2018 20:12

Instrument :

MSVOA_X

ClientSampleId :

KY0300F003-180718

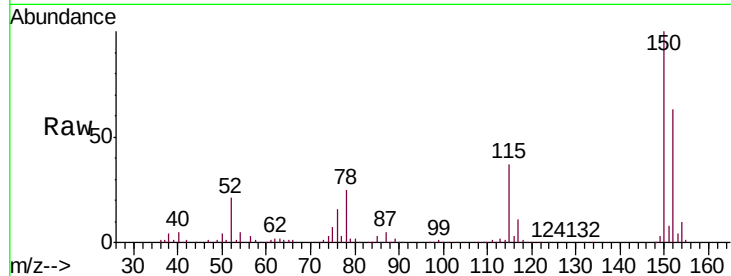
Tot Ion:152 Resp: 63843

Ion Ratio Lower Upper

152 100

115 56.1 40.0 119.9

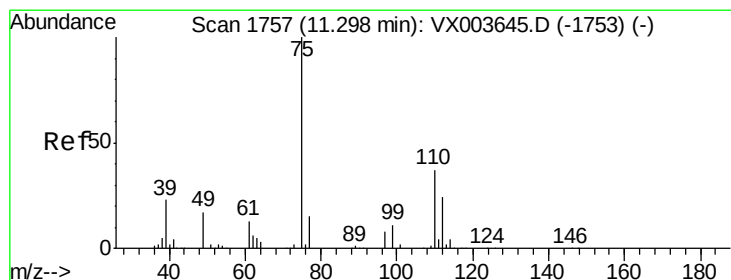
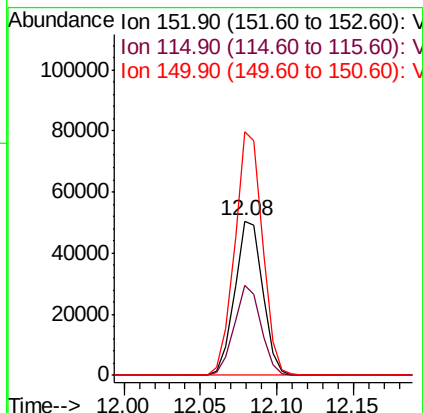
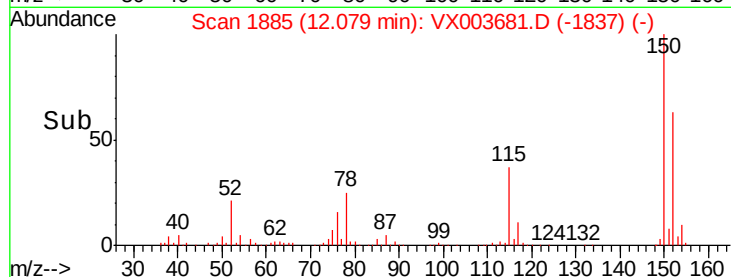
150 156.3 0.0 348.4



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: 24.31 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003681.D

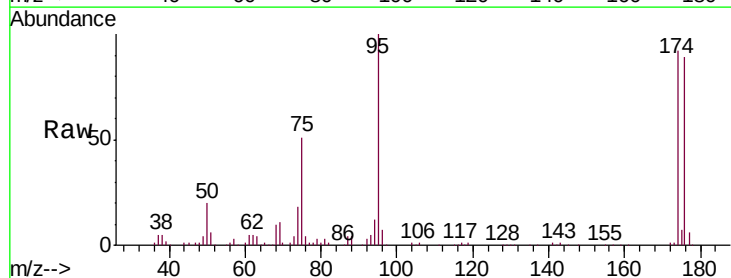
Acq: 26 Jul 2018 20:12

Tgt Ion: 75 Resp: 32550

Ion Ratio Lower Upper

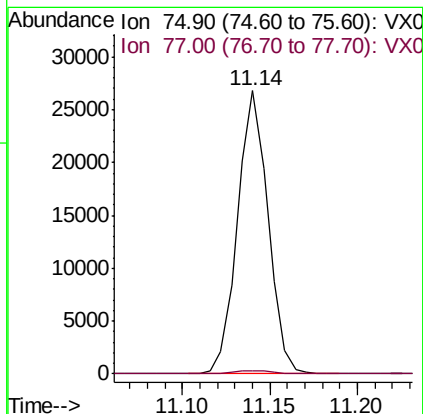
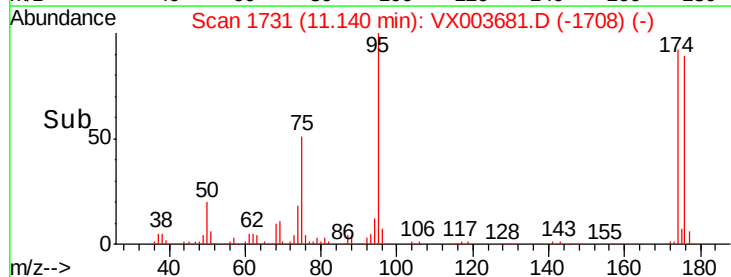
75 100

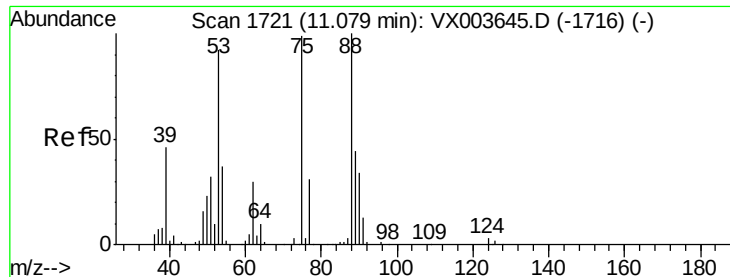
77 1.3 21.6 64.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 75.31 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003681.D

Acq: 26 Jul 2018 20:12

Instrument :

MSVOA_X

ClientSampleId :

KY0300F003-180718

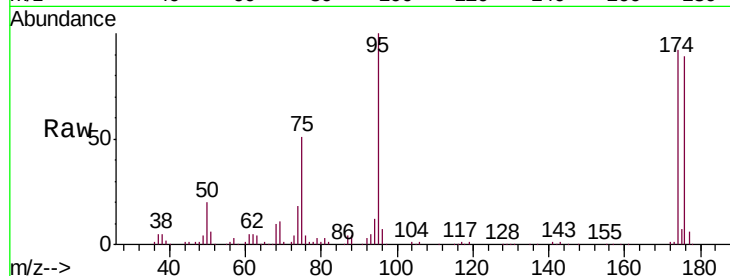
Tot Ion: 75 Resp: 32550

Ion Ratio Lower Upper

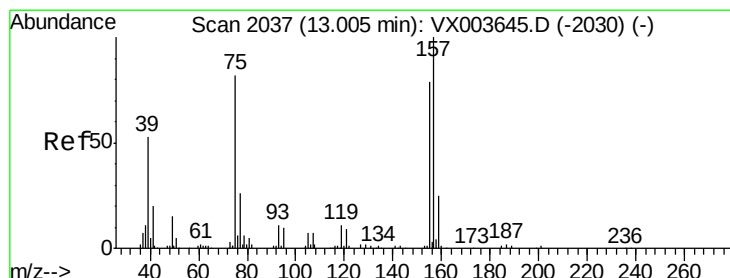
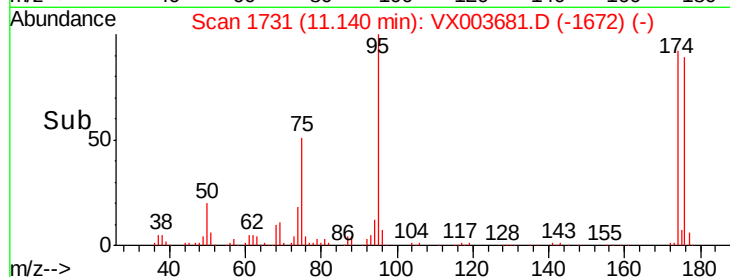
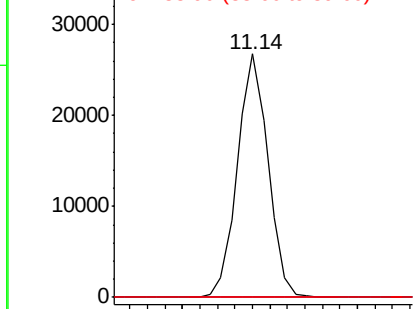
75 100

53 0.0 77.8 116.8#

89 0.0 36.6 54.8#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.35 ug/l

RT: 12.82 min Scan# 2007

Delta R.T. -0.18 min

Lab File: VX003681.D

Acq: 26 Jul 2018 20:12

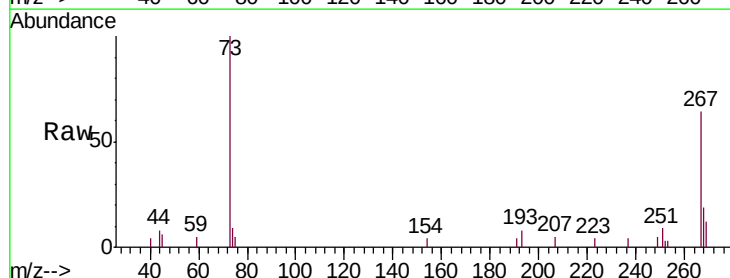
Tgt Ion: 75 Resp: 117

Ion Ratio Lower Upper

75 100

155 0.0 46.1 138.3#

157 0.0 59.7 179.0#



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

