

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072618\
 Data File : VX003683.D
 Acq On : 26 Jul 2018 21:06
 Operator : JC/SP
 Sample : J4069-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030SP005-180718

Quant Time: Jul 27 05:38:14 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	72359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	118769	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	141381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	67774	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	63816	59.54	ug/l	0.00
Spiked Amount			Recovery	=	119.08%	
35) Dibromofluoromethane	5.51	113	52095	53.66	ug/l	0.00
Spiked Amount			Recovery	=	107.32%	
50) Toluene-d8	8.72	98	210902	56.92	ug/l	0.00
Spiked Amount			Recovery	=	113.84%	
62) 4-Bromofluorobenzene	11.14	95	78746	58.27	ug/l	0.00
Spiked Amount			Recovery	=	116.54%	

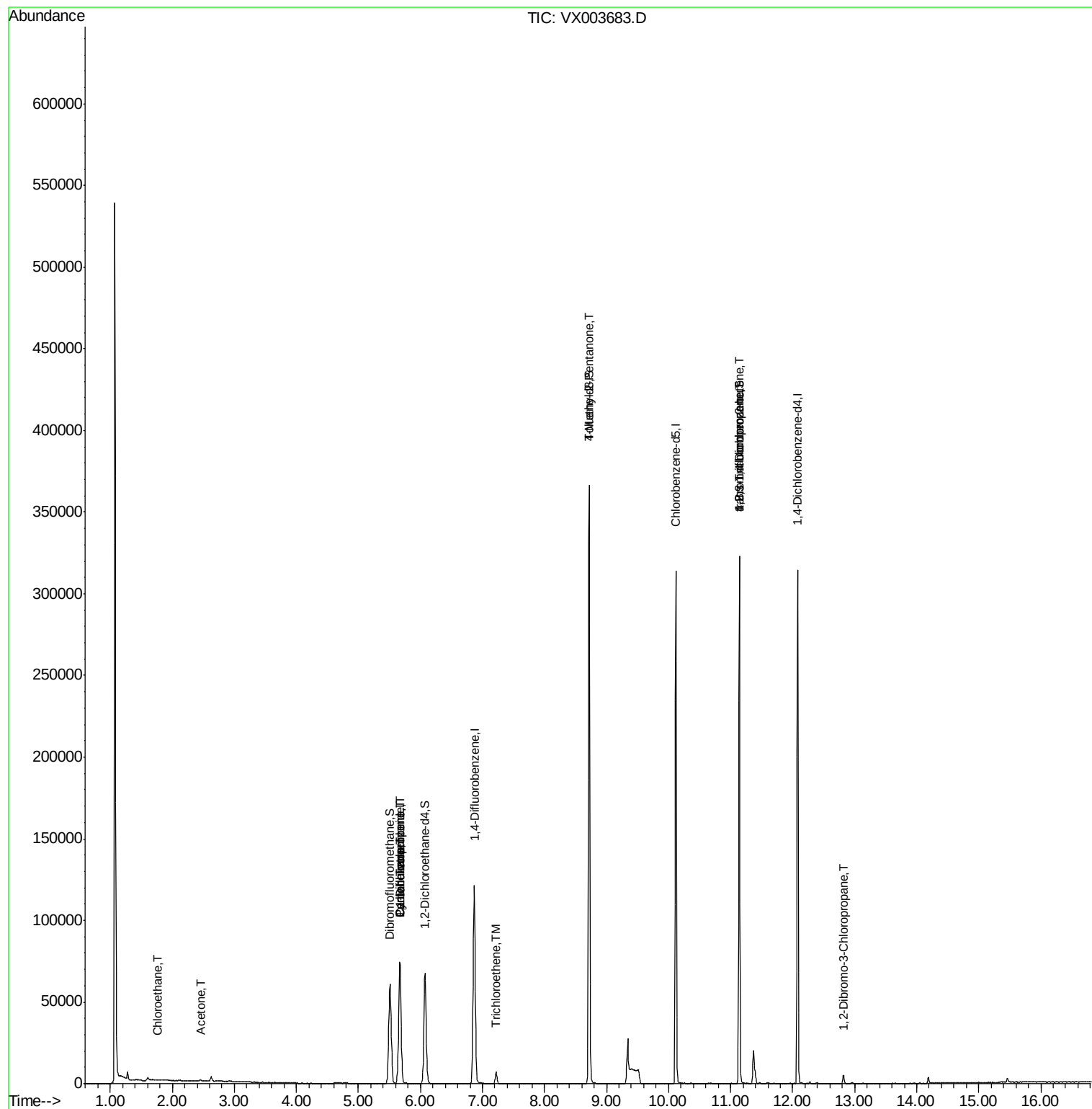
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.76	64	4423	6.87	ug/l #	42
16) Acetone	2.45	43	976	1.94	ug/l	94
31) Cyclohexane	5.66	56	1543	1.07	ug/l #	4
36) 1,1-Dichloropropene	5.67	75	5353	3.86	ug/l #	50
38) Carbon Tetrachloride	5.67	117	6793	5.08	ug/l #	15
44) Trichloroethene	7.21	130	2739	2.49	ug/l	90
51) 4-Methyl-2-Pentanone	8.72	43	938	0.57	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	38897	27.36	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.14	75	38897	84.78	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.82	75	81	0.23	ug/l #	1

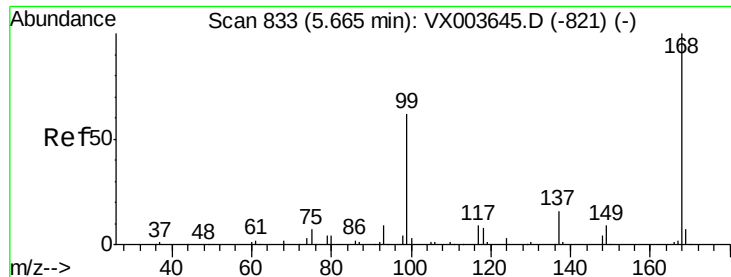
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 27 02:16:51 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: VX003683.D

Acq: 26 Jul 2018 21:06

Instrument :

MSVOA_X

ClientSampleId :

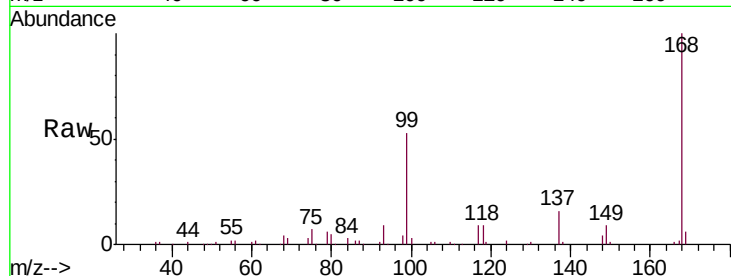
KY030SP005-180718

Tot Ion:168 Resp: 72359

Ion Ratio Lower Upper

168 100

99 52.6 49.5 74.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

25000

20000

15000

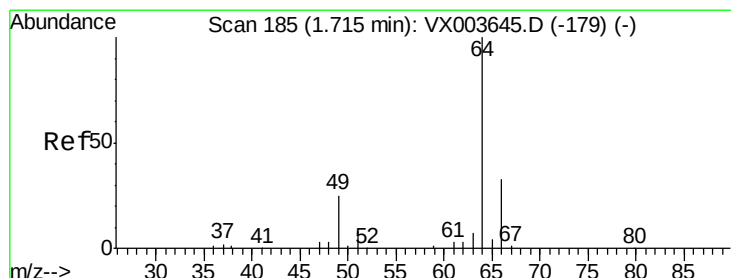
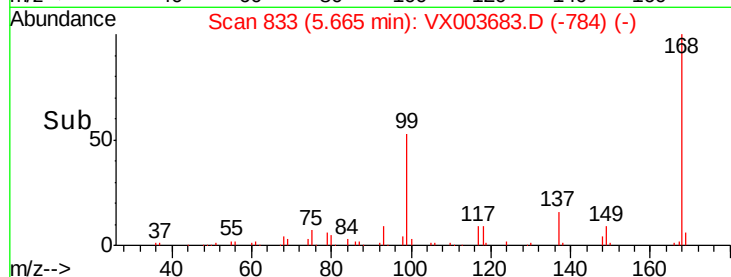
10000

5000

0

Time-->

5.60 5.70 5.80



#6

Chloroethane

Concen: 6.87 ug/l

RT: 1.76 min Scan# 192

Delta R.T. 0.04 min

Lab File: VX003683.D

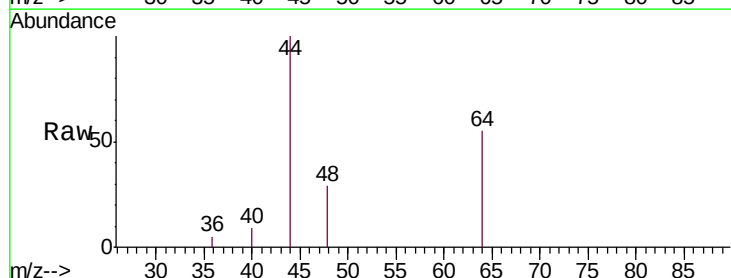
Acq: 26 Jul 2018 21:06

Tgt Ion: 64 Resp: 4423

Ion Ratio Lower Upper

64 100

66 0.0 26.3 39.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.76

600

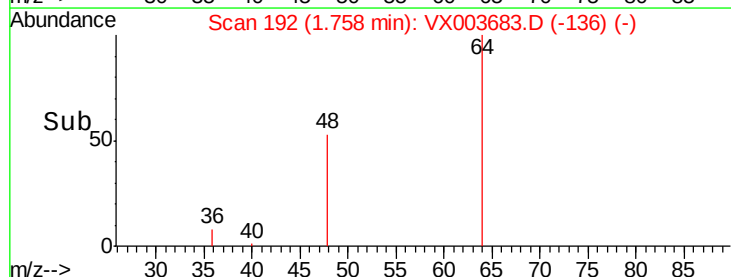
400

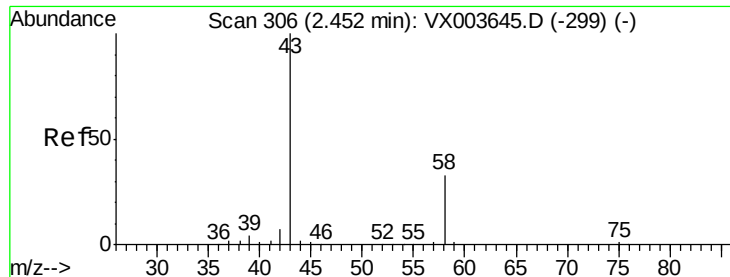
200

0

Time-->

1.50 1.60 1.70 1.80





#16

Acetone

Concen: 1.94 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX003683.D

Acq: 26 Jul 2018 21:06

Instrument :

MSVOA_X

ClientSampleId :

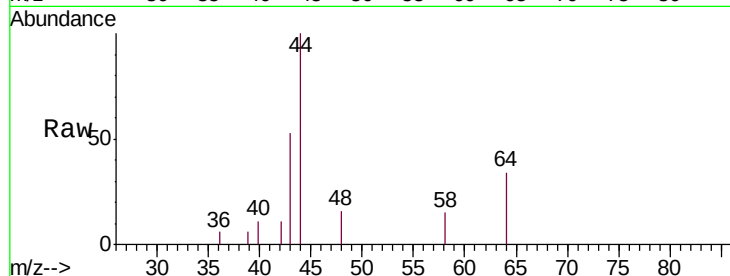
KY030SP005-180718

Tot Ion: 43 Resp: 976

Ion Ratio Lower Upper

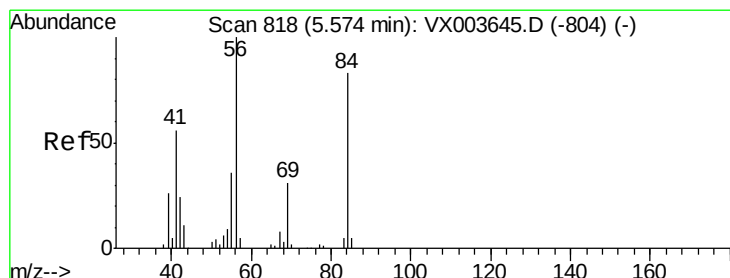
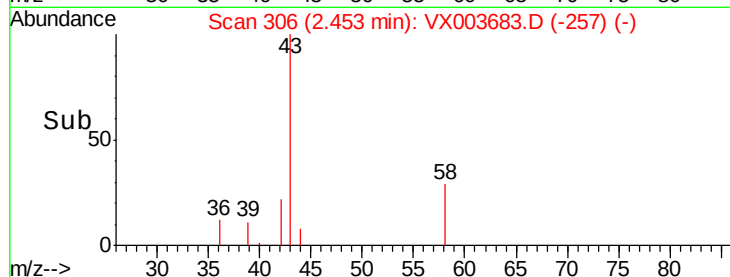
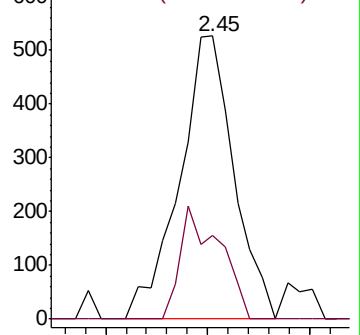
43 100

58 29.4 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#31

Cyclohexane

Concen: 1.07 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.09 min

Lab File: VX003683.D

Acq: 26 Jul 2018 21:06

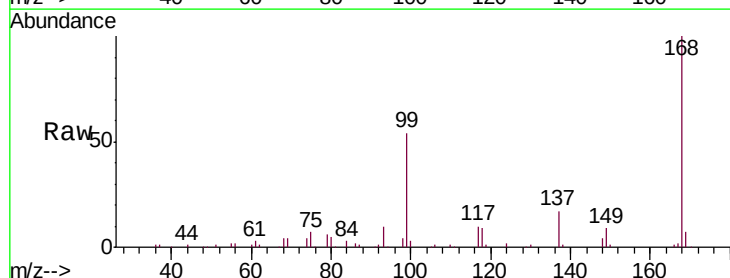
Tgt Ion: 56 Resp: 1543

Ion Ratio Lower Upper

56 100

69 166.2 25.0 37.6#

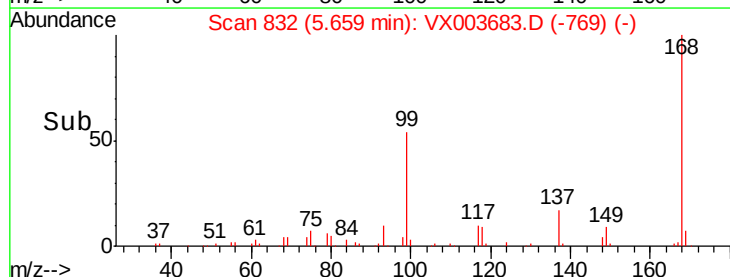
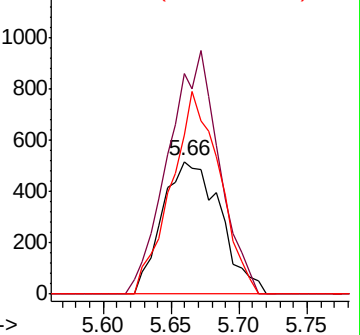
84 119.5 66.5 99.7#

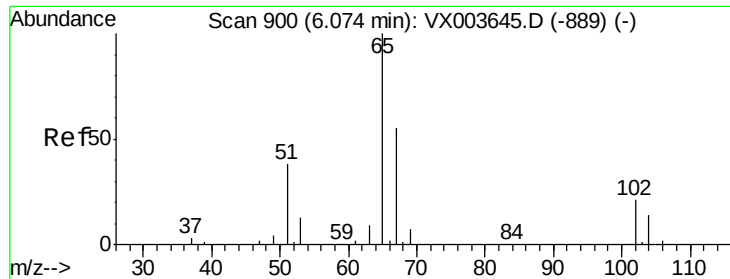


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

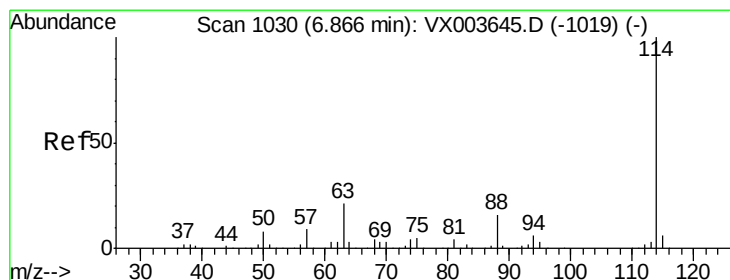
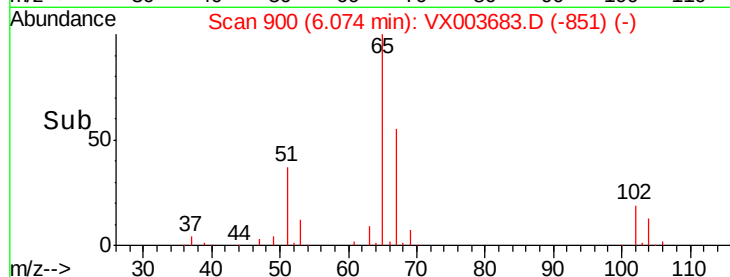
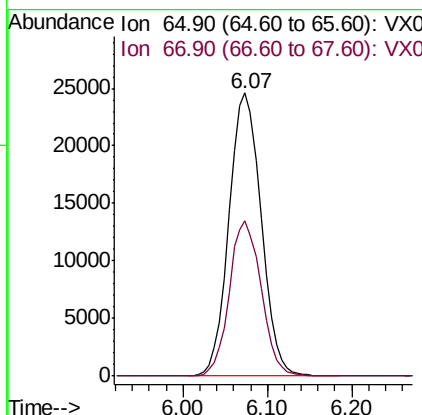
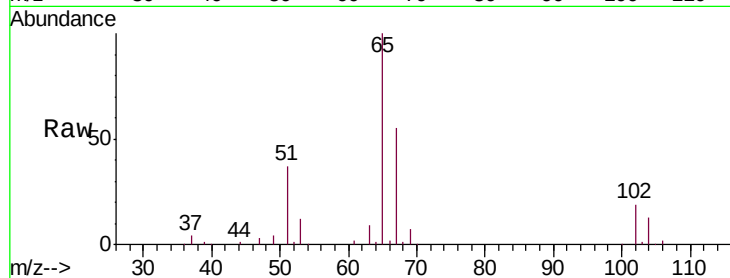




#33
 1,2-Dichloroethane-d4
 Concen: 59.54 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003683.D
 Acq: 26 Jul 2018 21:06

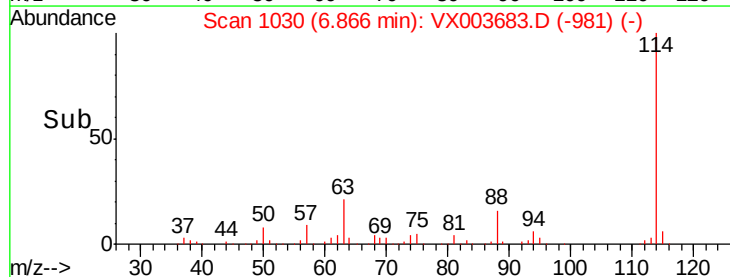
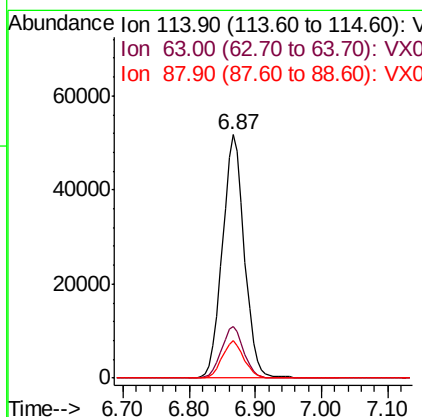
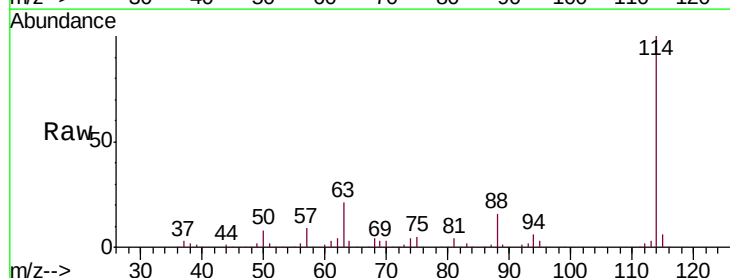
Instrument :
 MSVOA_X
 ClientSampleId :
 KY030SP005-180718

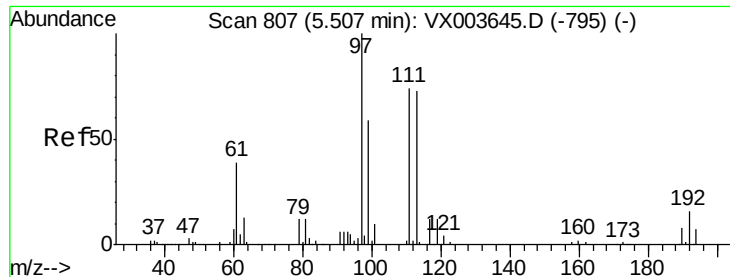
Tot Ion: 65 Resp: 63816
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003683.D
 Acq: 26 Jul 2018 21:06

Tgt Ion: 114 Resp: 118769
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.0
 88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 53.66 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003683.D

Acq: 26 Jul 2018 21:06

Instrument :

MSVOA_X

ClientSampleId :

KY030SP005-180718

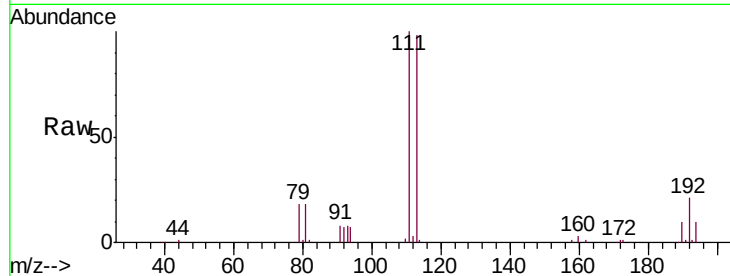
Tot Ion:113 Resp: 52095

Ion Ratio Lower Upper

113 100

111 101.0 81.2 121.8

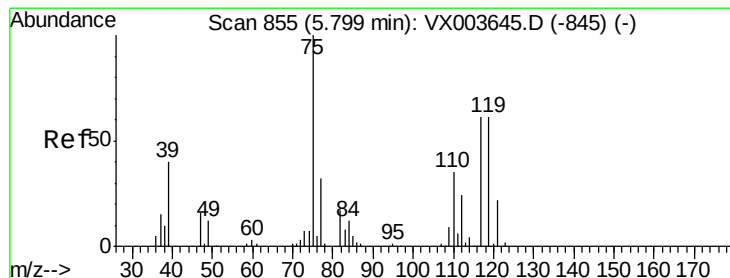
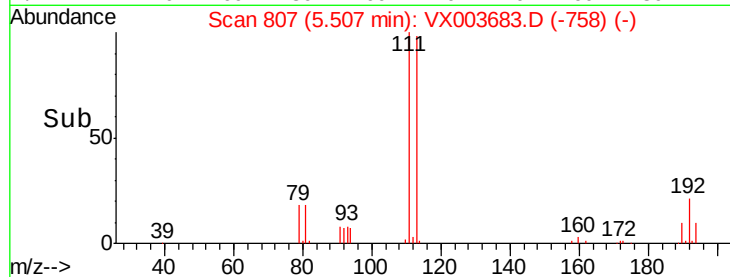
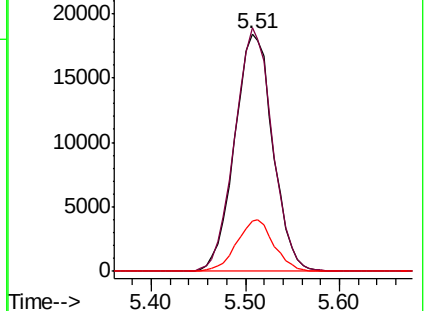
192 21.1 18.2 27.4



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: 3.86 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX003683.D

Acq: 26 Jul 2018 21:06

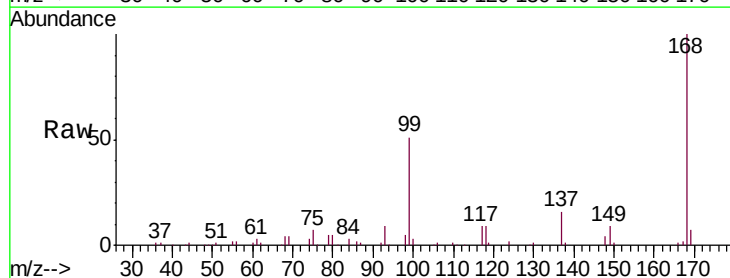
Tgt Ion: 75 Resp: 5353

Ion Ratio Lower Upper

75 100

110 9.6 18.1 54.1#

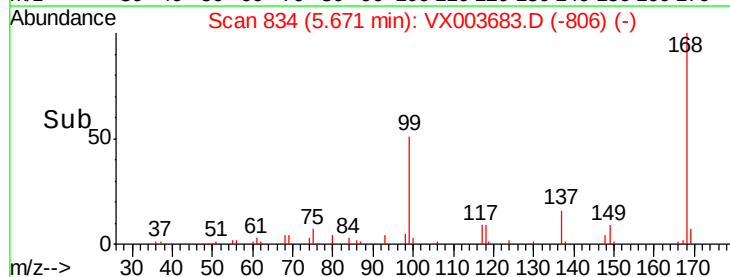
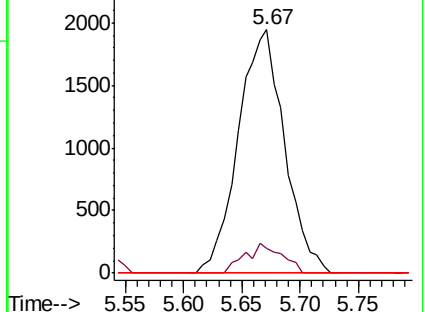
77 0.0 25.1 37.7#

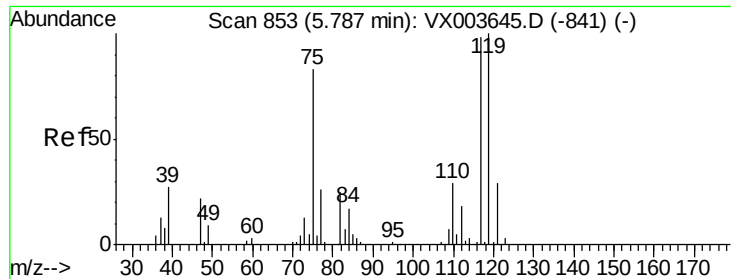


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

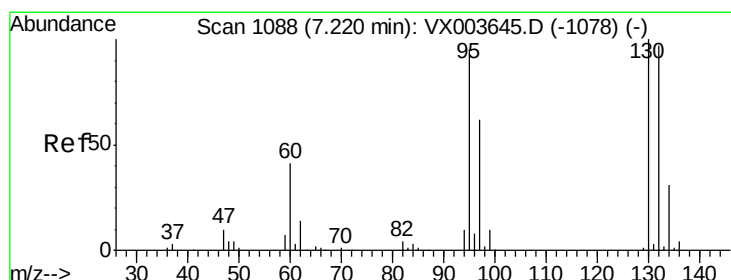
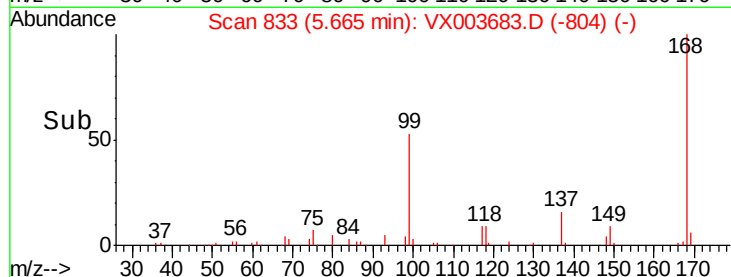
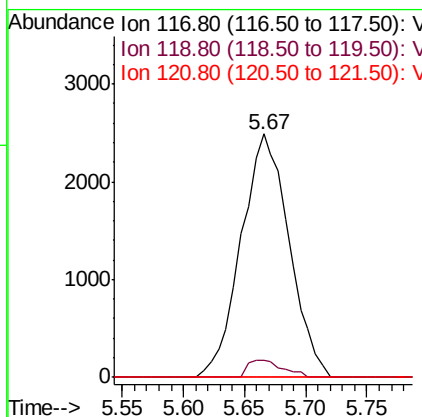
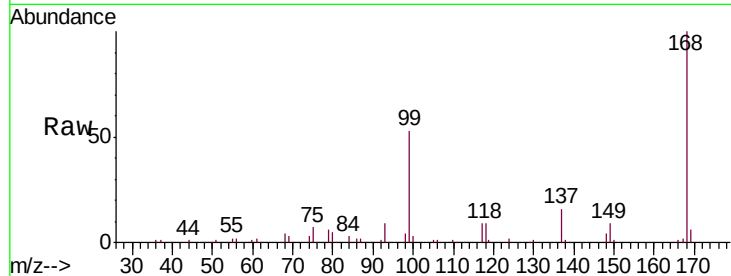




#38
Carbon Tetrachloride
Concen: 5.08 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX003683.D
Acq: 26 Jul 2018 21:06

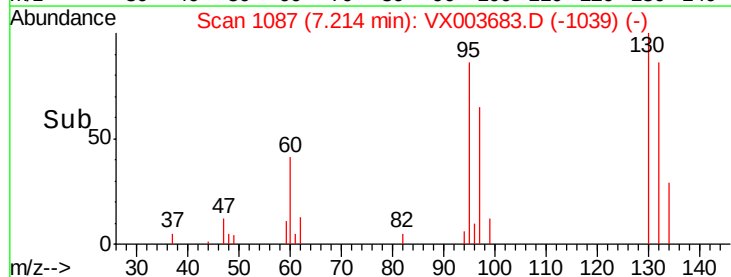
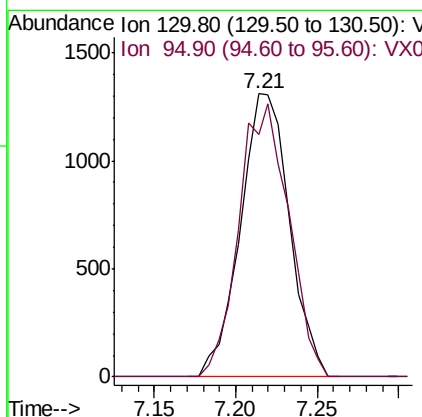
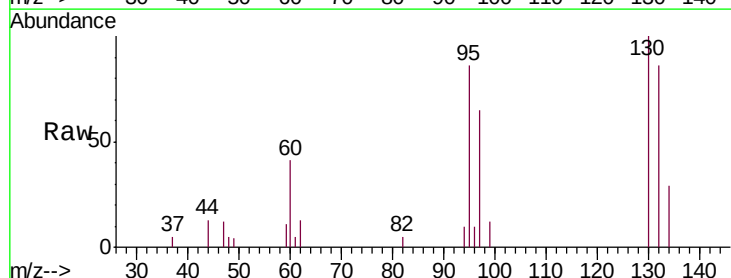
Instrument :
MSVOA_X
ClientSampleId :
KY030SP005-180718

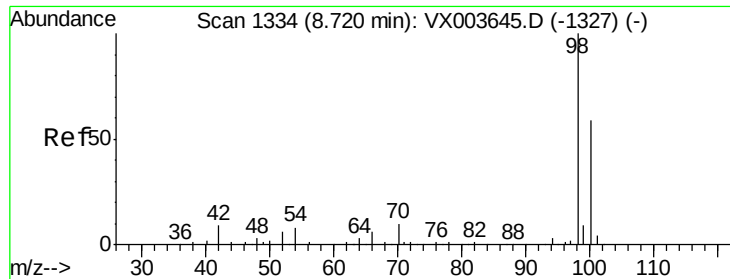
Tot Ion:117 Resp: 6793
Ion Ratio Lower Upper
117 100
119 6.7 81.0 121.4#
121 0.0 23.7 35.5#



#44
Trichloroethene
Concen: 2.49 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. -0.01 min
Lab File: VX003683.D
Acq: 26 Jul 2018 21:06

Tgt Ion:130 Resp: 2739
Ion Ratio Lower Upper
130 100
95 85.6 0.0 190.0





#50

Toluene-d8

Concen: 56.92 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003683.D

Acq: 26 Jul 2018 21:06

Instrument :

MSVOA_X

ClientSampleId :

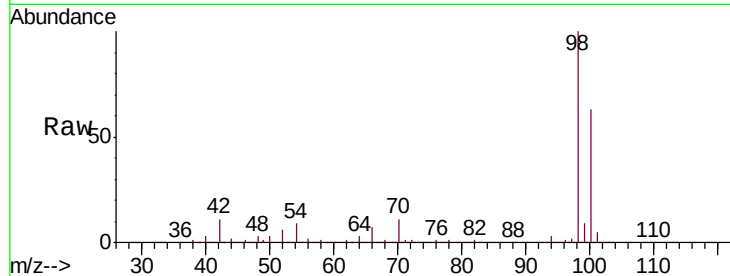
KY030SP005-180718

Tot Ion: 98 Resp: 210902

Ion Ratio Lower Upper

98 100

100 63.3 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

150000

100000

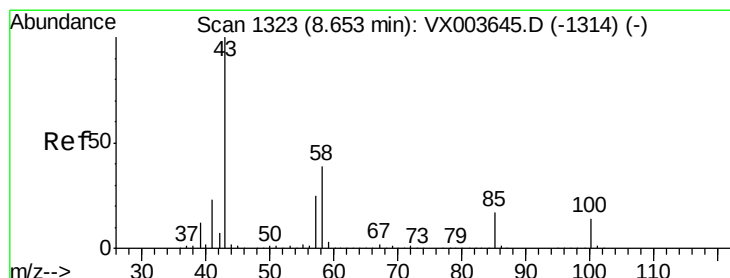
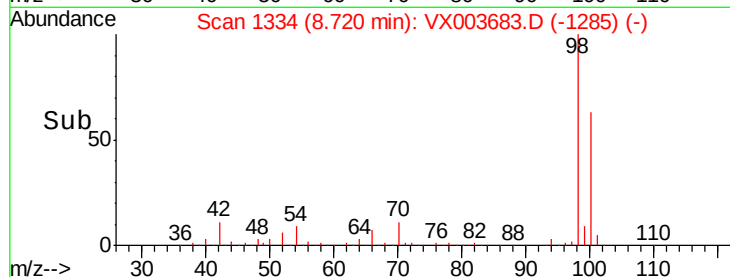
50000

0

8.60 8.70 8.80 8.90

8.72

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.57 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.07 min

Lab File: VX003683.D

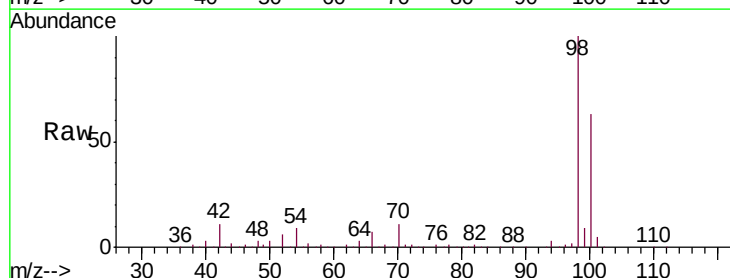
Acq: 26 Jul 2018 21:06

Tgt Ion: 43 Resp: 938

Ion Ratio Lower Upper

43 100

58 189.4 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1200

1000

800

600

400

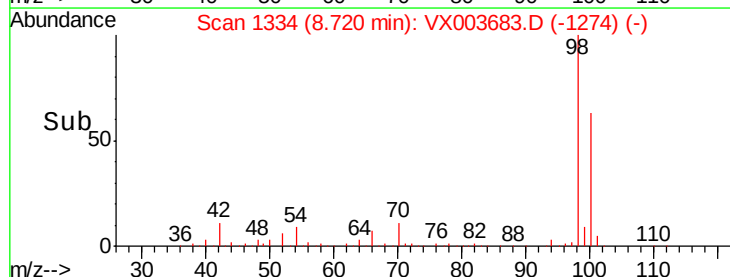
200

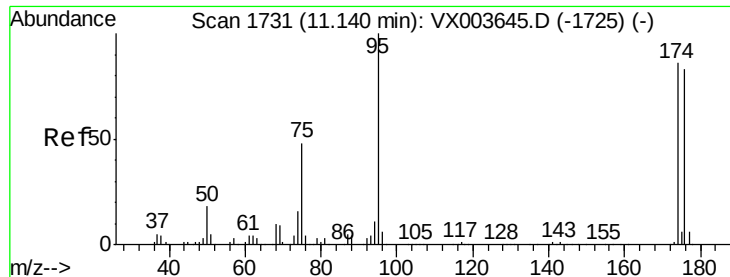
0

8.65 8.70 8.75

8.72

Time-->

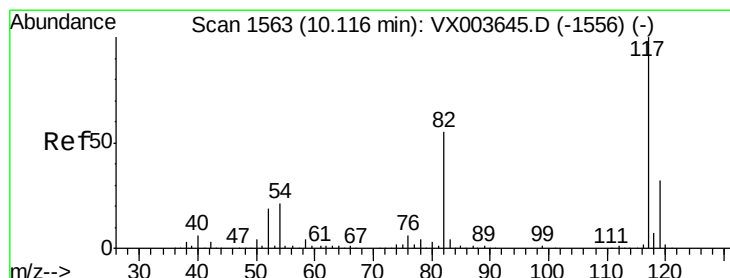
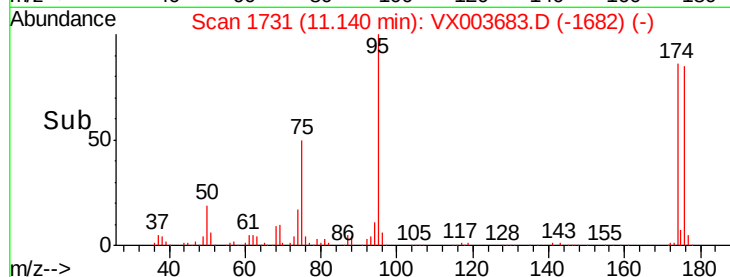
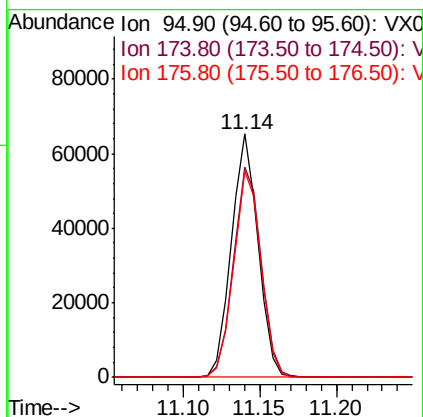
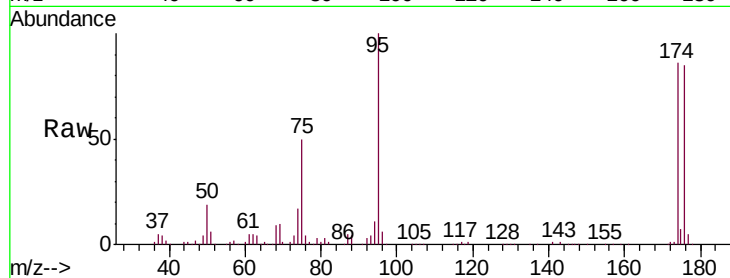




#62
4-Bromofluorobenzene
Concen: 58.27 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003683.D
Acq: 26 Jul 2018 21:06

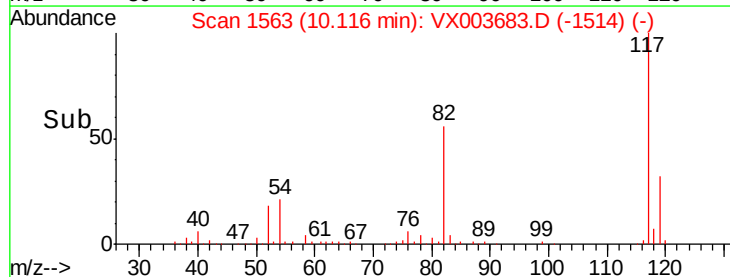
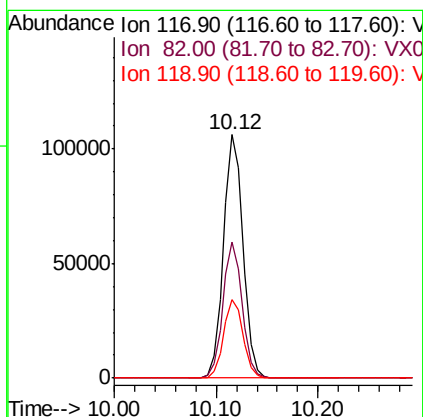
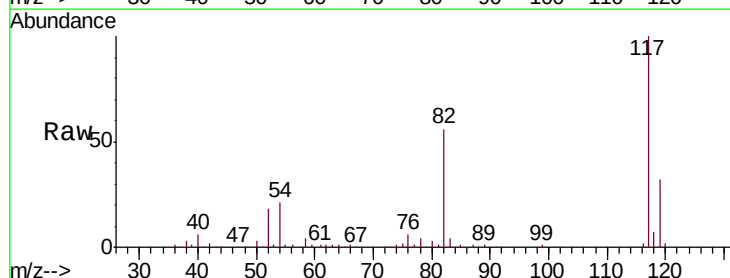
Instrument :
MSVOA_X
ClientSampleId :
KY030SP005-180718

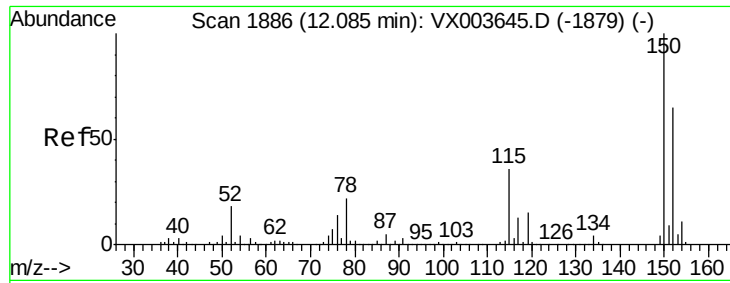
Tot Ion: 95 Resp: 78746
Ion Ratio Lower Upper
95 100
174 89.7 0.0 179.0
176 86.6 0.0 173.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003683.D
Acq: 26 Jul 2018 21:06

Tgt Ion: 117 Resp: 141381
Ion Ratio Lower Upper
117 100
82 56.1 44.3 66.5
119 32.5 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX003683.D

Acq: 26 Jul 2018 21:06

Instrument :

MSVOA_X

ClientSampleId :

KY030SP005-180718

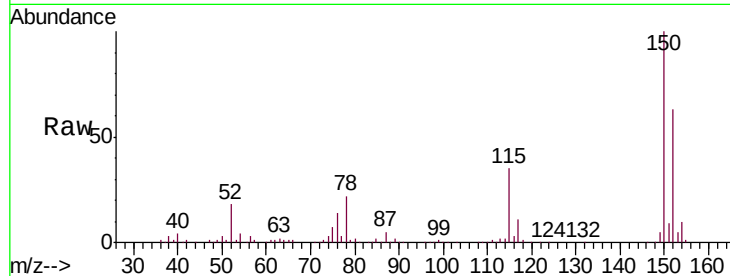
Tot Ion:152 Resp: 67774

Ion Ratio Lower Upper

152 100

115 57.3 40.0 119.9

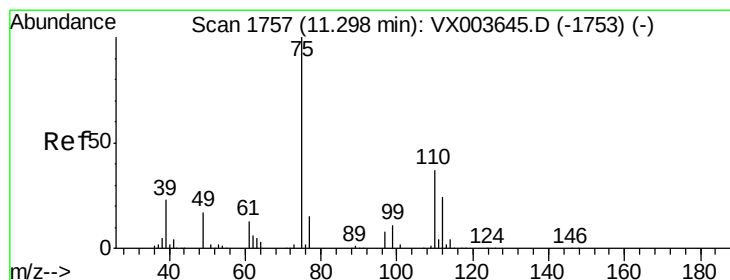
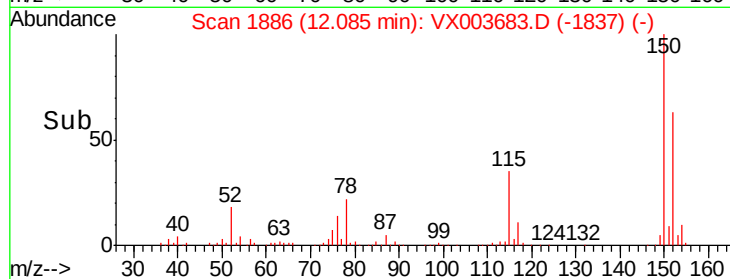
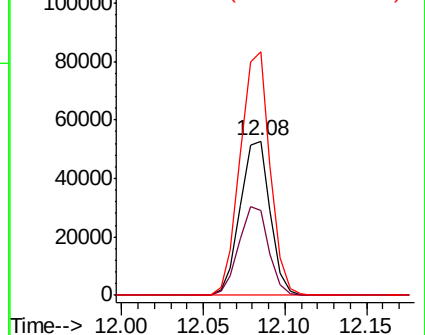
150 156.9 0.0 348.4



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: 27.36 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003683.D

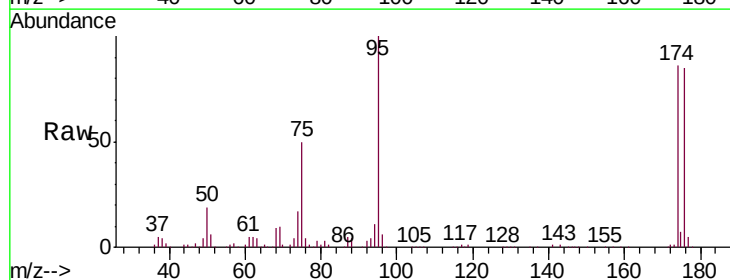
Acq: 26 Jul 2018 21:06

Tgt Ion: 75 Resp: 38897

Ion Ratio Lower Upper

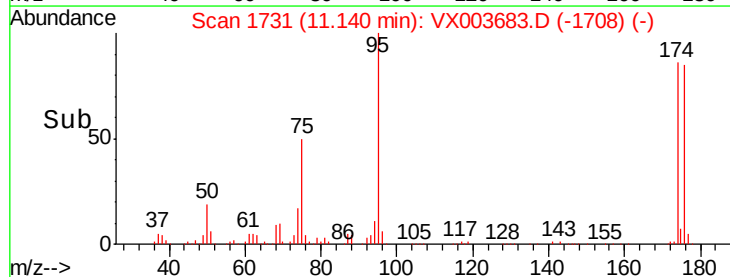
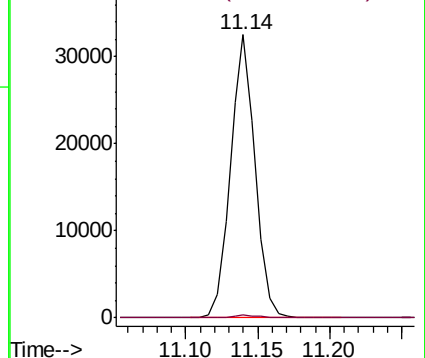
75 100

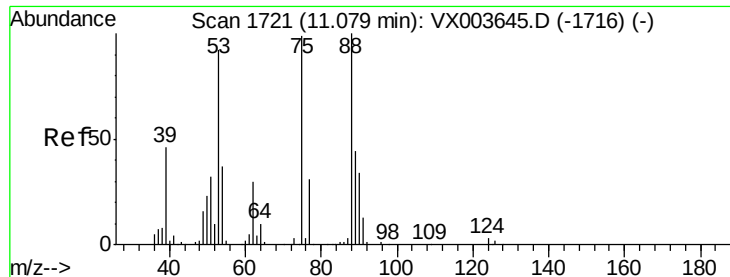
77 1.1 21.6 64.6#



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: 84.78 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003683.D

Acq: 26 Jul 2018 21:06

Instrument :

MSVOA_X

ClientSampleId :

KY030SP005-180718

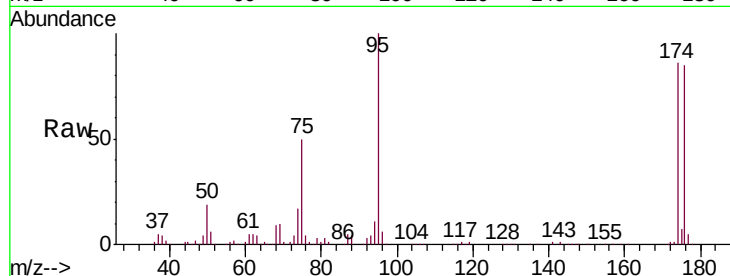
Tot Ion: 75 Resp: 38897

Ion Ratio Lower Upper

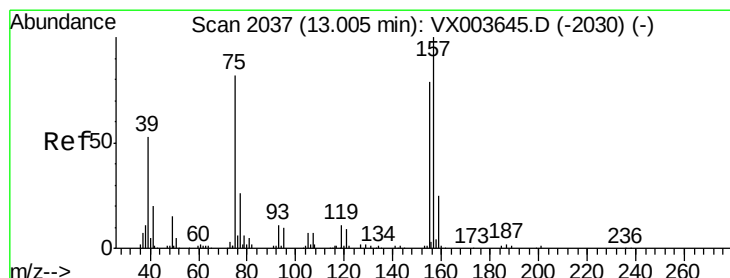
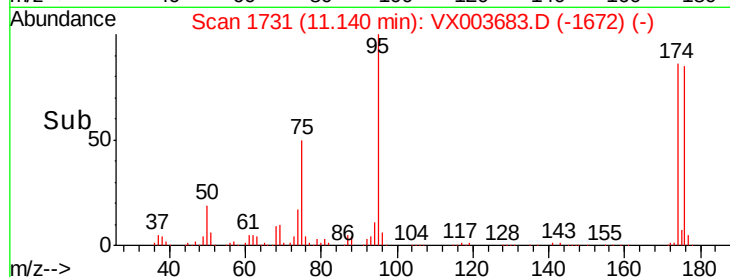
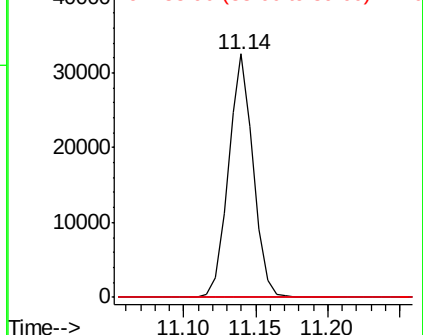
75 100

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: 0.23 ug/l

RT: 12.82 min Scan# 2006

Delta R.T. -0.19 min

Lab File: VX003683.D

Acq: 26 Jul 2018 21:06

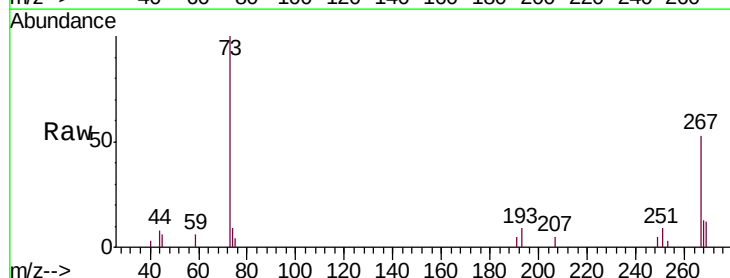
Tgt Ion: 75 Resp: 81

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

