

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072118\
 Data File : VX003586.D
 Acq On : 22 Jul 2018 06:21
 Operator : JC/SP
 Sample : J4050-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY0300F001-180717

Quant Time: Jul 23 03:51:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	277007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	410086	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	384972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	216663	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	165410	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
35) Dibromofluoromethane	5.51	113	158609	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
50) Toluene-d8	8.72	98	573550	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
62) 4-Bromofluorobenzene	11.14	95	197430	46.08	ug/l	0.00
Spiked Amount			Recovery	=	92.16%	

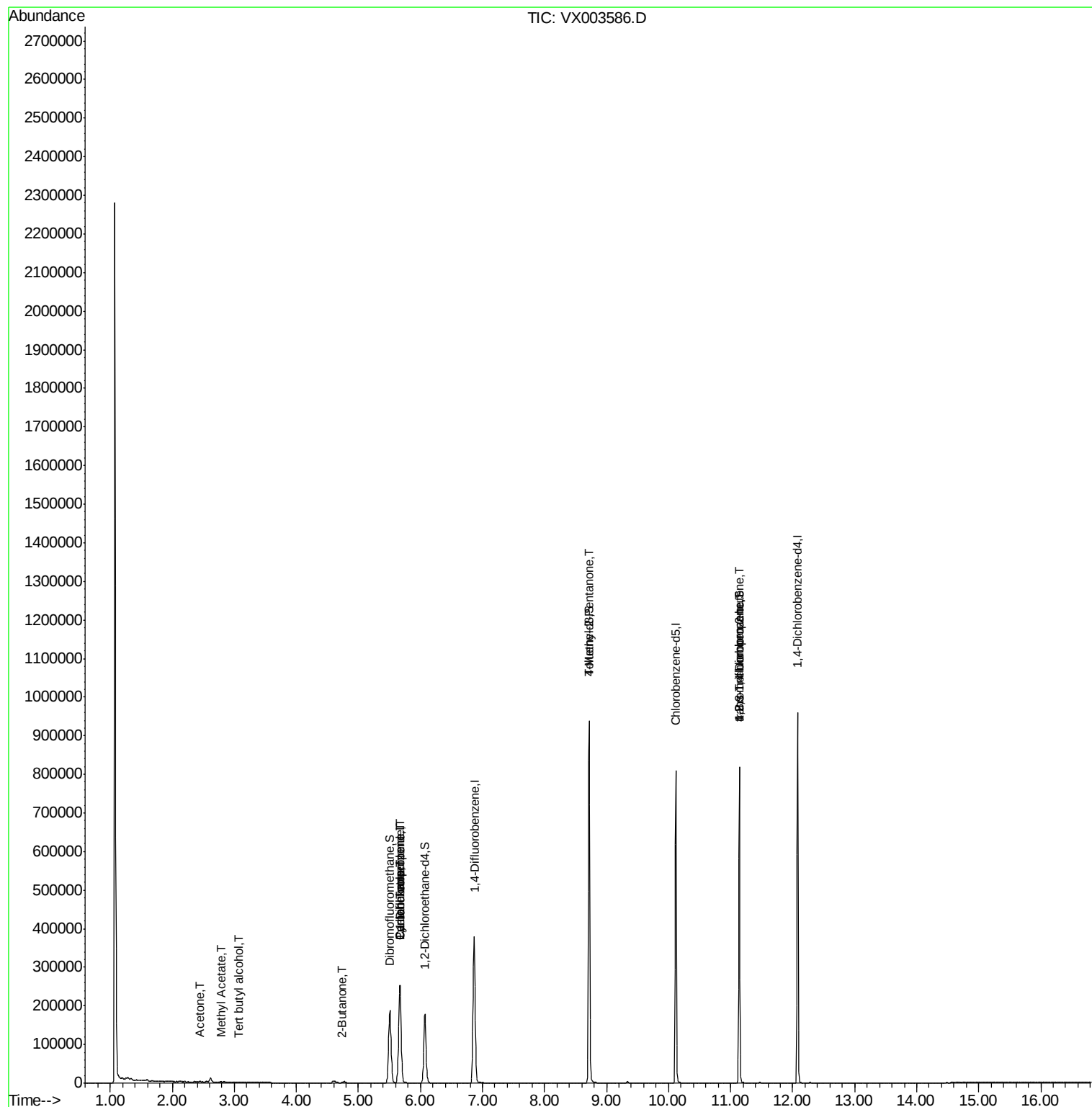
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	352	Below Cal	#	85
5) Bromomethane	1.67	94	963	Below Cal		97
11) Tert butyl alcohol	3.07	59	512	0.79	ug/l #	73
16) Acetone	2.44	43	1642	1.33	ug/l #	79
18) Methyl Acetate	2.79	43	844	0.22	ug/l #	77
20) Methylene Chloride	2.85	84	75	Below Cal	#	13
25) 2-Butanone	4.73	43	475	0.23	ug/l #	52
31) Cyclohexane	5.67	56	4215	0.85	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17118	3.87	ug/l #	50
38) Carbon Tetrachloride	5.67	117	23789	5.48	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	2079	0.49	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	90477	23.25	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	90477	65.26	ug/l #	7

(#) = 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: VX003586.D

Acq: 22 Jul 2018 06:21

Instrument :

MSVOA_X

ClientSampleId :

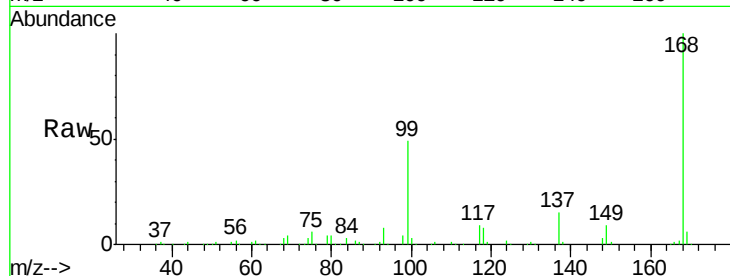
KY0300F001-180717

Tot Ion:168 Resp: 277007

Ion Ratio Lower Upper

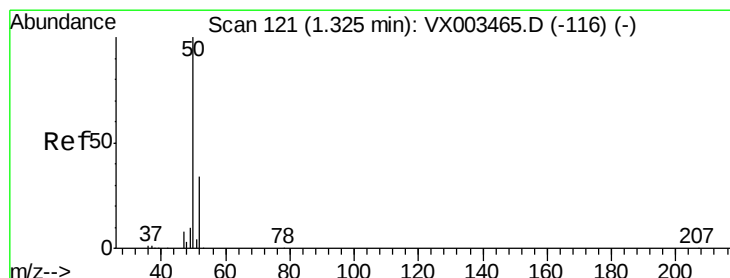
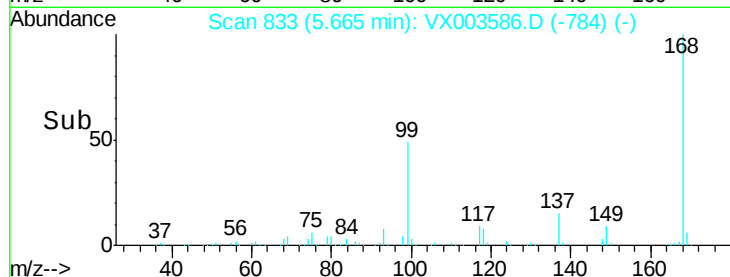
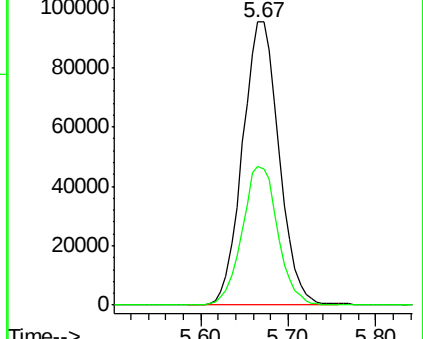
168 100

99 48.8 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003586.D

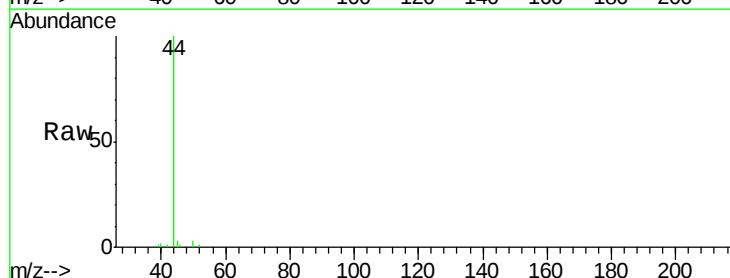
Acq: 22 Jul 2018 06:21

Tgt Ion: 50 Resp: 352

Ion Ratio Lower Upper

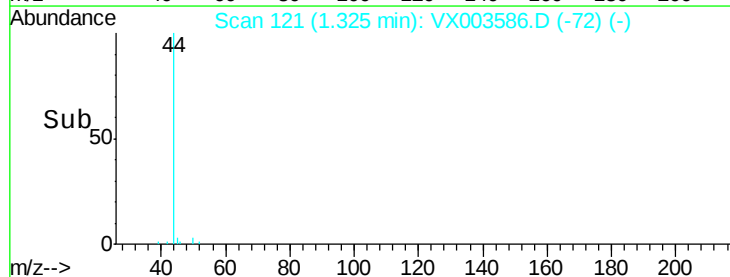
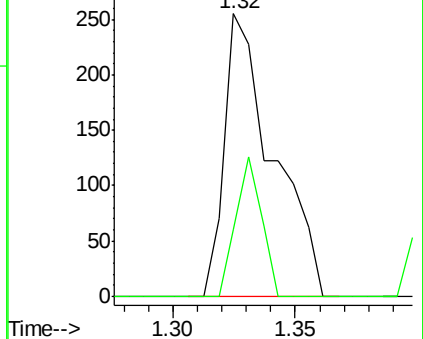
50 100

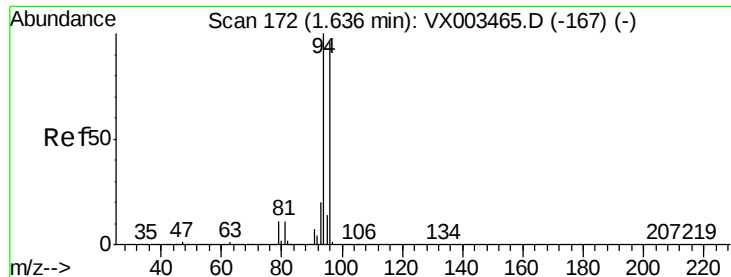
52 23.5 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX003586.D

Acq: 22 Jul 2018 06:21

Instrument :

MSVOA_X

ClientSampleId :

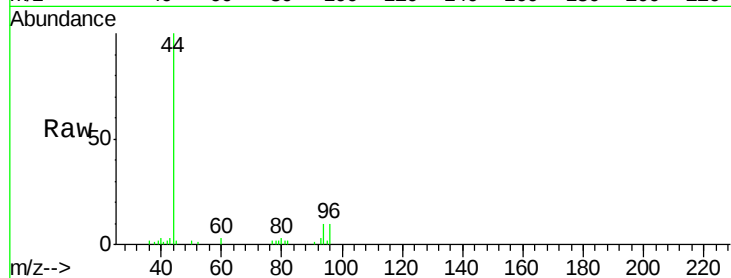
KY0300F001-180717

Tot Ion: 94 Resp: 963

Ion Ratio Lower Upper

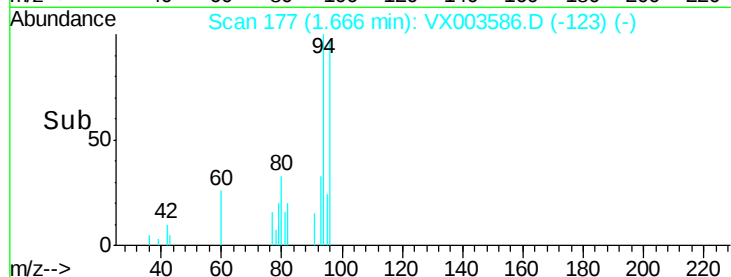
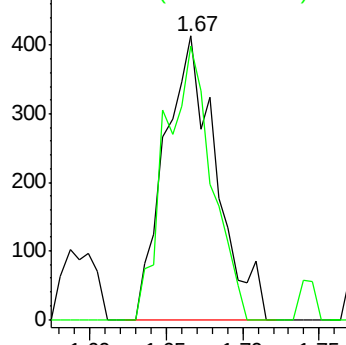
94 100

96 96.6 74.9 112.3

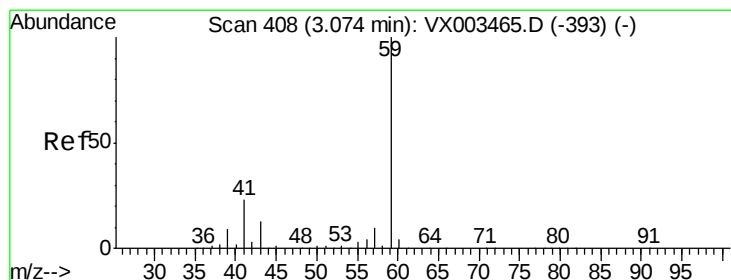


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#11

Tert butyl alcohol

Concen: 0.79 ug/l

RT: 3.07 min Scan# 408

Delta R.T. 0.00 min

Lab File: VX003586.D

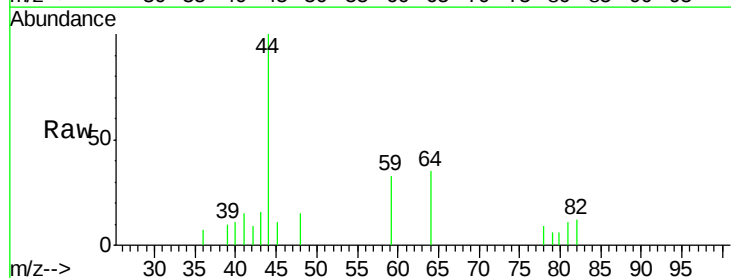
Acq: 22 Jul 2018 06:21

Tgt Ion: 59 Resp: 512

Ion Ratio Lower Upper

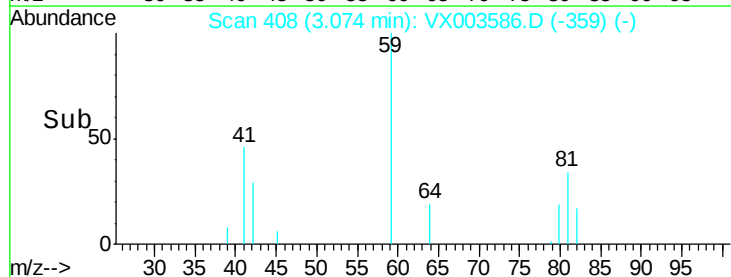
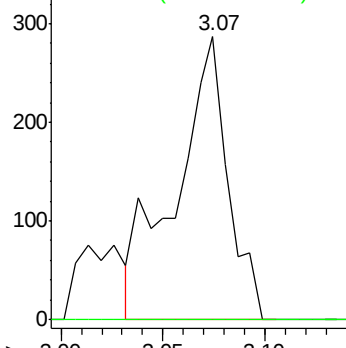
59 100

57 0.0 8.2 12.2#

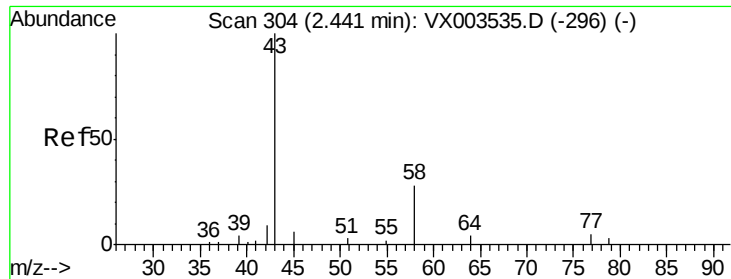


Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



Time-->



#16

Acetone

Concen: 1.33 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX003586.D

Acq: 22 Jul 2018 06:21

Instrument :

MSVOA_X

ClientSampleId :

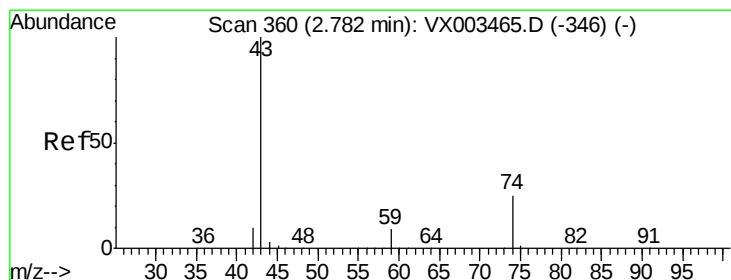
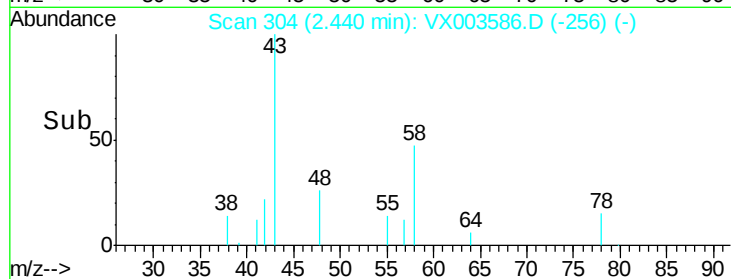
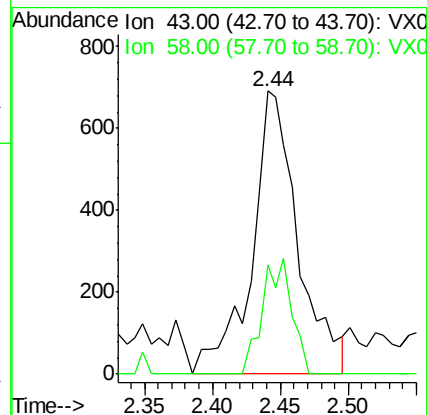
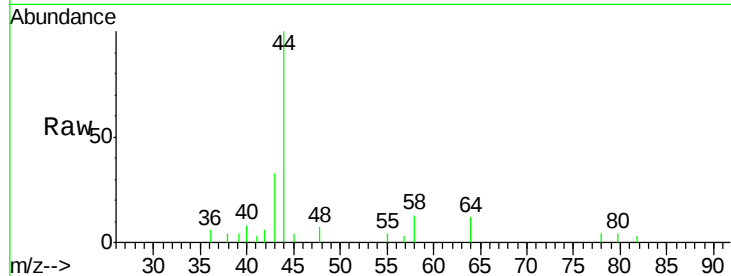
KY0300F001-180717

Tot Ion: 43 Resp: 1642

Ion Ratio Lower Upper

43 100

58 38.5 22.1 33.1#



#18

Methyl Acetate

Concen: 0.22 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX003586.D

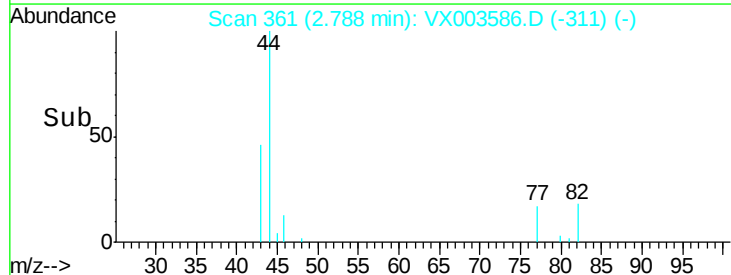
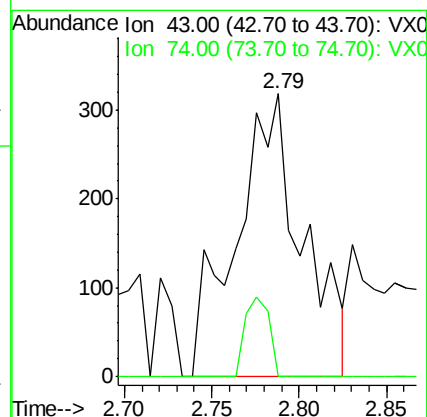
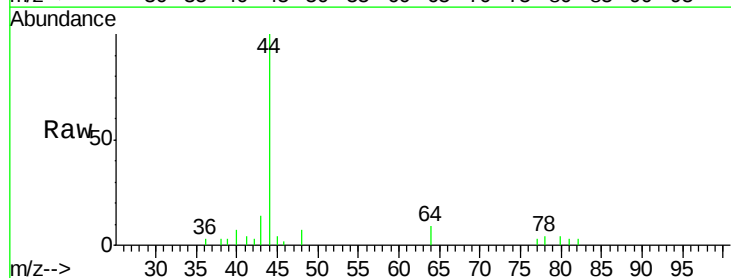
Acq: 22 Jul 2018 06:21

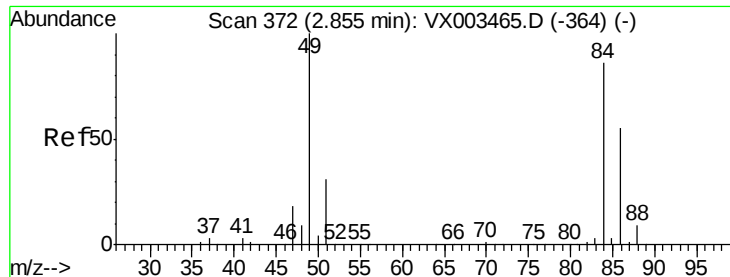
Tgt Ion: 43 Resp: 844

Ion Ratio Lower Upper

43 100

74 10.1 16.7 25.1#





#20

Methvlene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX003586.D

Acq: 22 Jul 2018 06:21

Instrument :

MSVOA_X

ClientSampleId :

KY0300F001-180717

Tot Ion: 84 Resp: 75

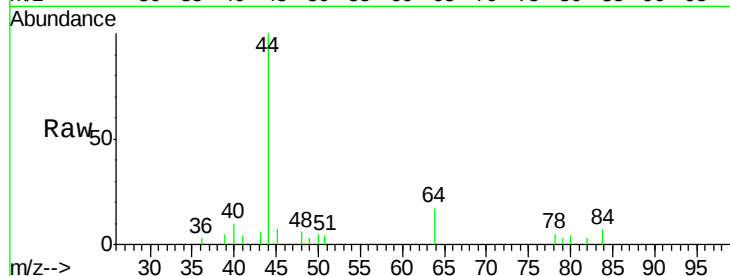
Ion Ratio Lower Upper

84 100

49 9.0 107.8 161.6#

51 18.9 32.8 49.2#

86 0.0 52.5 78.7#

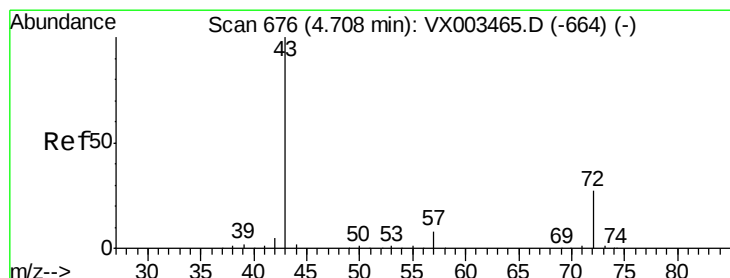
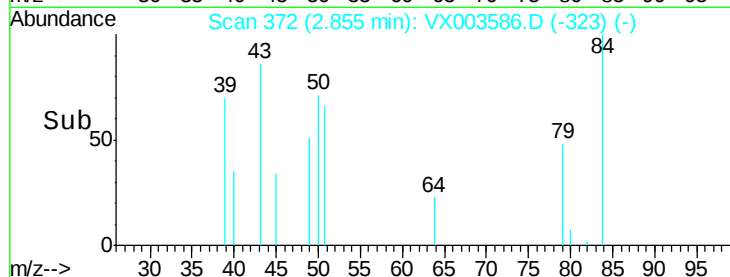
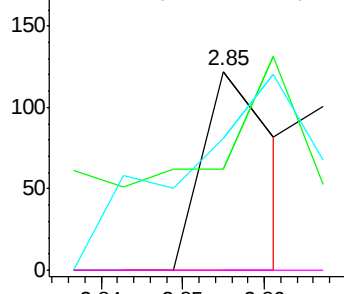


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.23 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.02 min

Lab File: VX003586.D

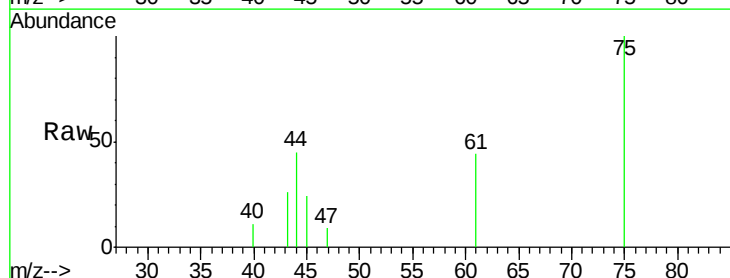
Acq: 22 Jul 2018 06:21

Tgt Ion: 43 Resp: 475

Ion Ratio Lower Upper

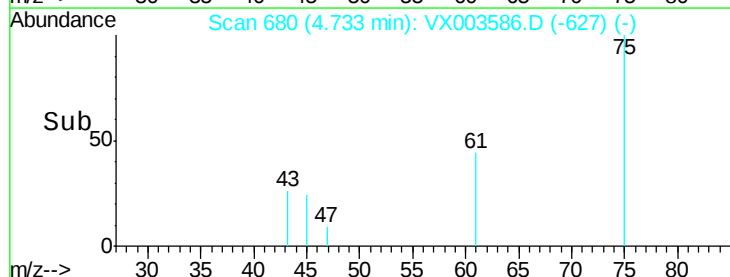
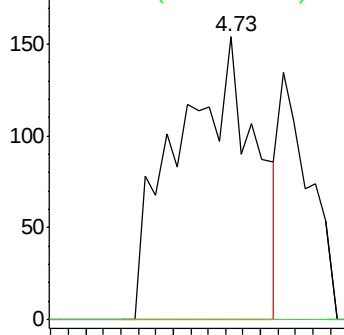
43 100

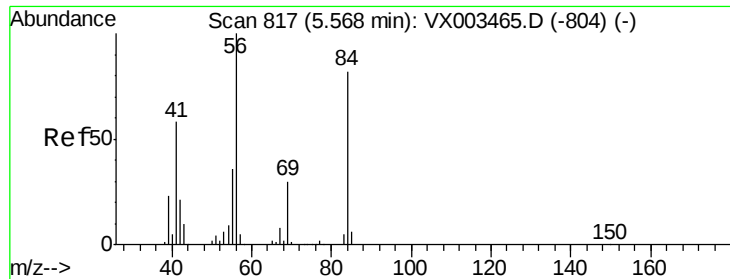
72 0.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

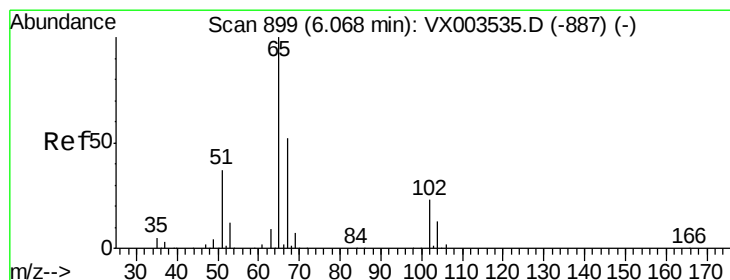
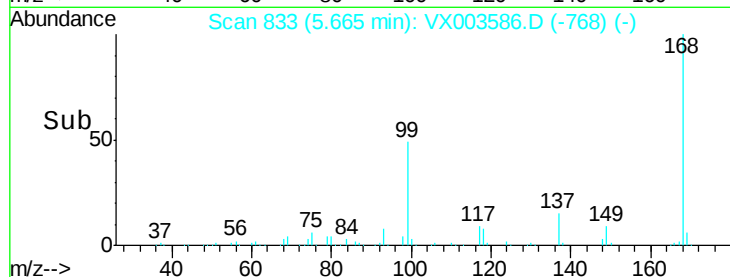
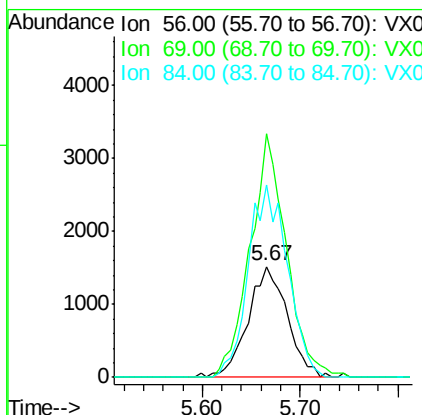
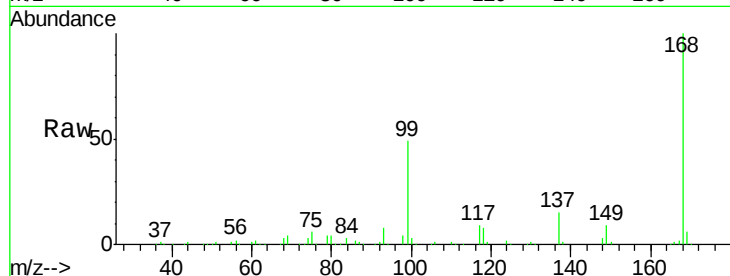




#31
Cyclohexane
Concen: 0.85 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.10 min
Lab File: VX003586.D
Acq: 22 Jul 2018 06:21

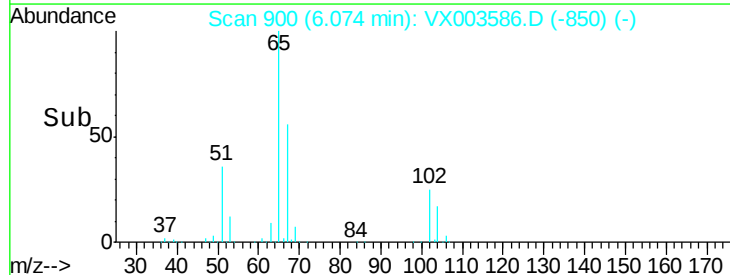
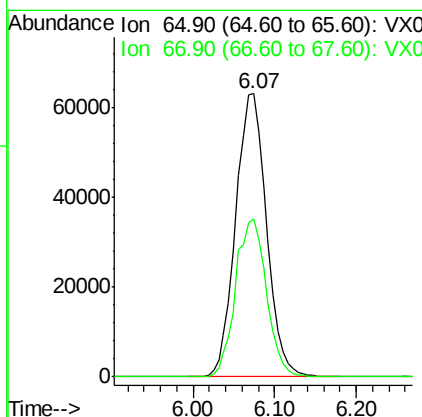
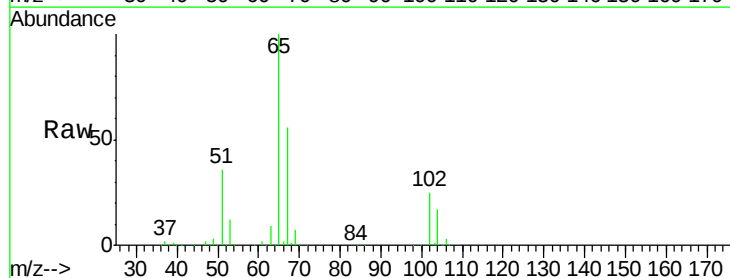
Instrument :
MSVOA_X
ClientSampleId :
KY0300F001-180717

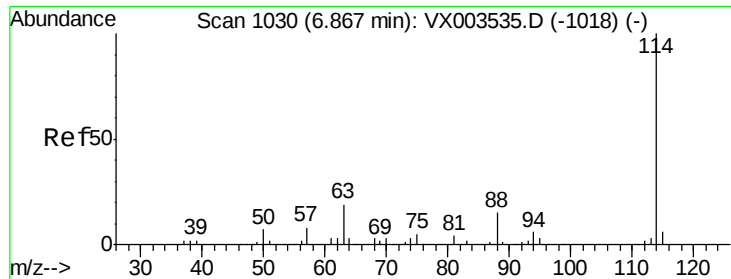
Tot Ion: 56 Resp: 4215
Ion Ratio Lower Upper
56 100
69 220.1 23.7 35.5#
84 173.8 64.1 96.1#



#33
1,2-Dichloroethane-d4
Concen: 50.45 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.01 min
Lab File: VX003586.D
Acq: 22 Jul 2018 06:21

Tgt Ion: 65 Resp: 165410
Ion Ratio Lower Upper
65 100
67 56.0 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: VX003586.D

Acq: 22 Jul 2018 06:21

Instrument :

MSVOA_X

ClientSampleId :

KY0300F001-180717

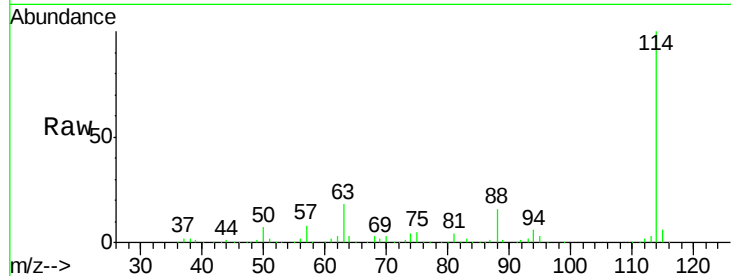
Tot Ion:114 Resp: 410086

Ion Ratio Lower Upper

114 100

63 18.1 0.0 41.4

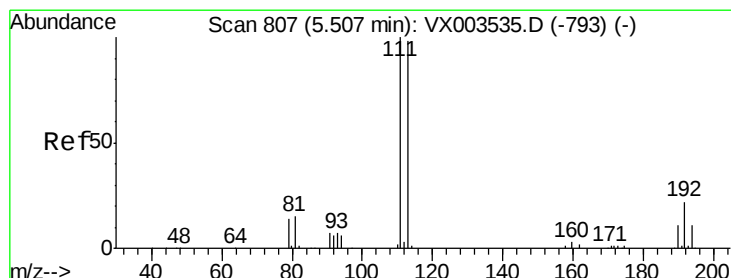
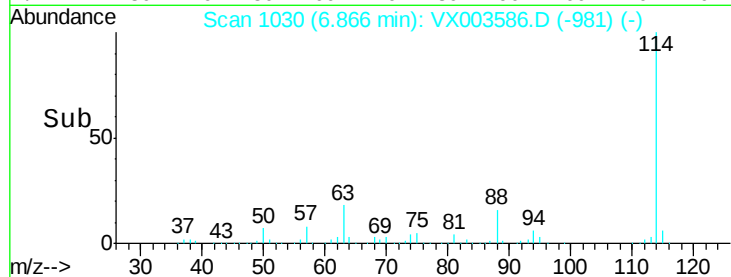
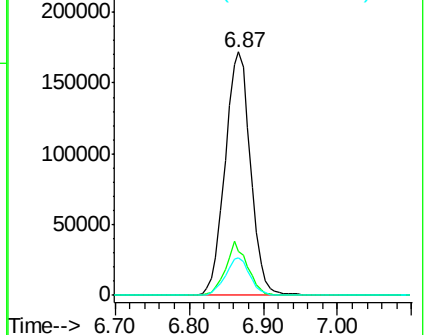
88 15.5 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 50.78 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003586.D

Acq: 22 Jul 2018 06:21

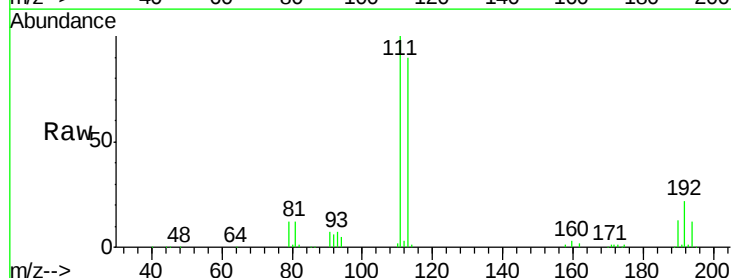
Tgt Ion:113 Resp: 158609

Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.0

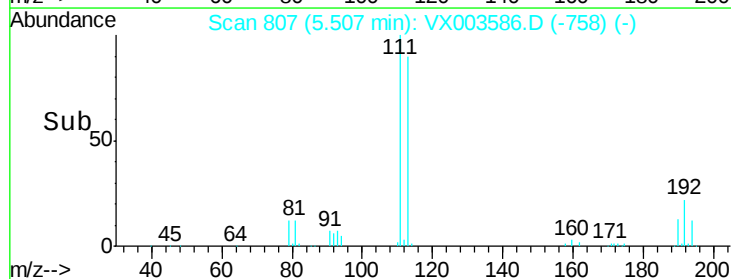
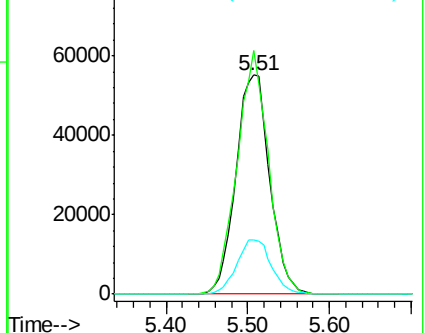
192 25.3 19.1 28.7

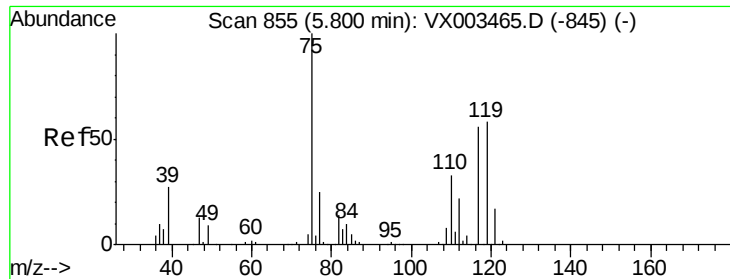


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.87 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX003586.D

Acq: 22 Jul 2018 06:21

Instrument :

MSVOA_X

ClientSampleId :

KY0300F001-180717

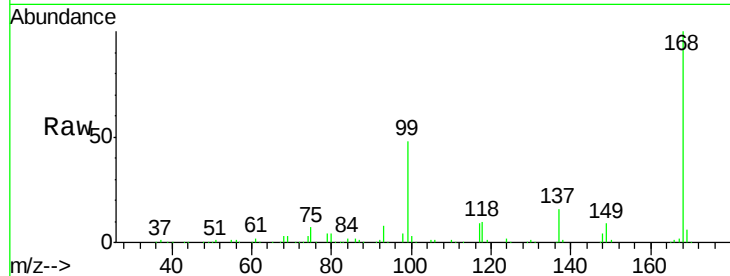
Tot Ion: 75 Resp: 17118

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.4#

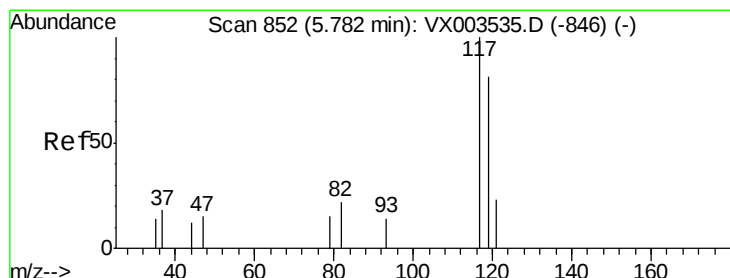
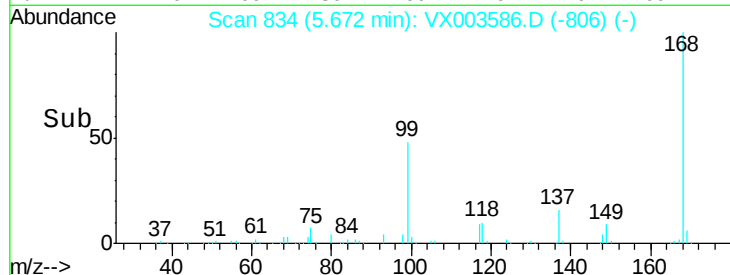
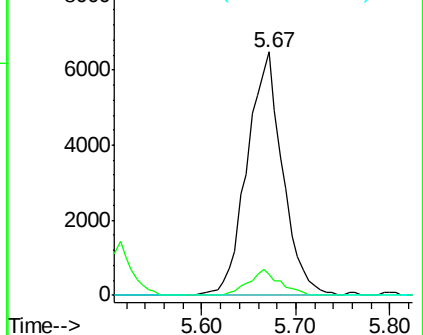
77 0.0 24.3 36.5#



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: 5.48 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.11 min

Lab File: VX003586.D

Acq: 22 Jul 2018 06:21

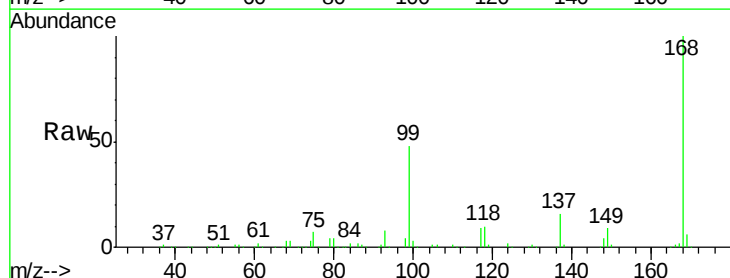
Tgt Ion: 117 Resp: 23789

Ion Ratio Lower Upper

117 100

119 6.3 77.4 116.0#

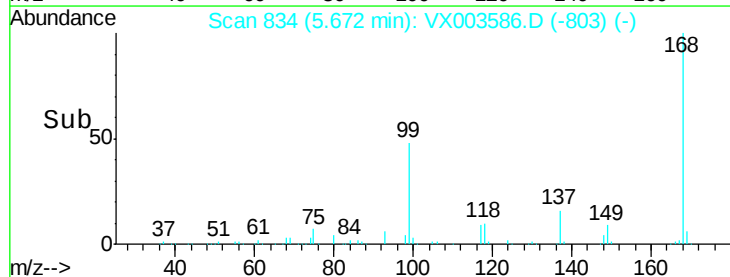
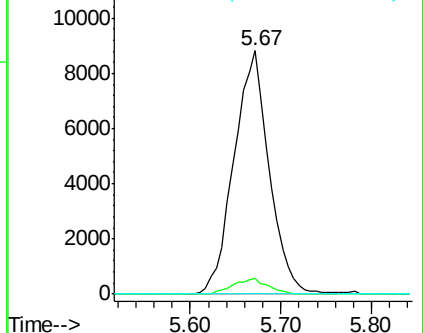
121 0.0 24.4 36.6#

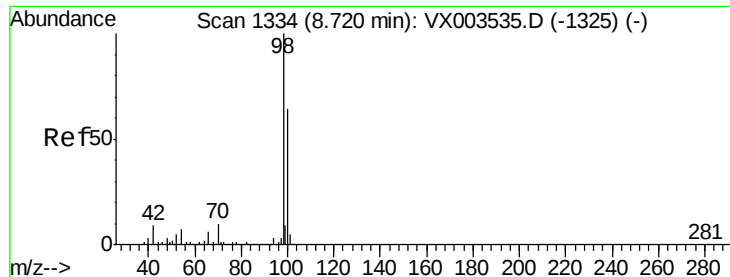


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 48.85 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003586.D

Acq: 22 Jul 2018 06:21

Instrument :

MSVOA_X

ClientSampleId :

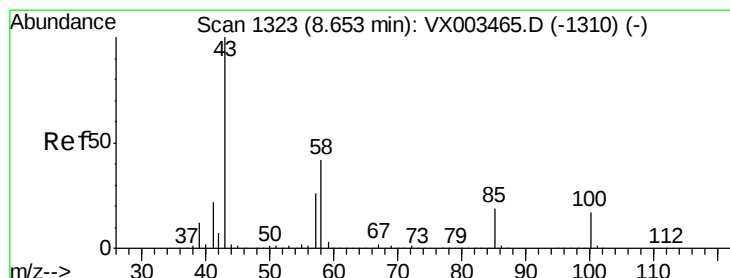
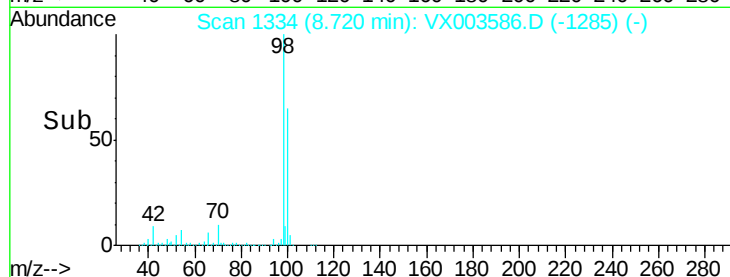
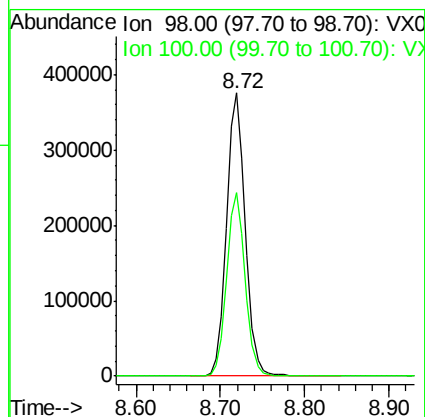
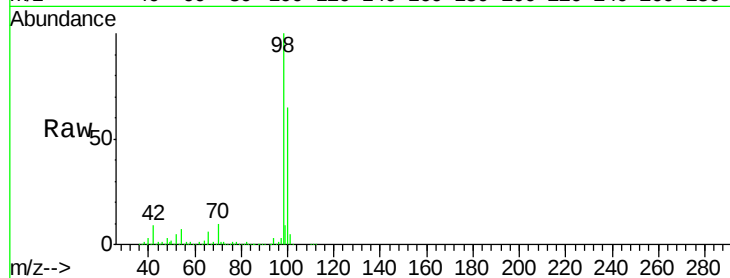
KY0300F001-180717

Tot Ion: 98 Resp: 573550

Ion Ratio Lower Upper

98 100

100 64.3 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.49 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. 0.06 min

Lab File: VX003586.D

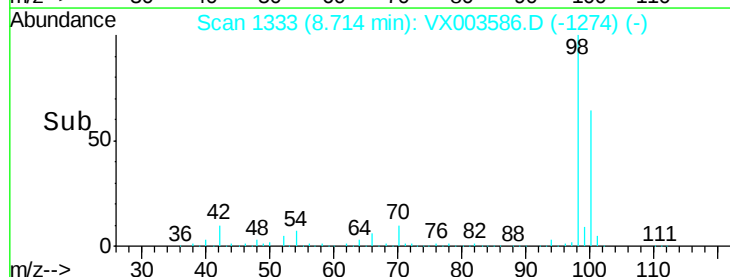
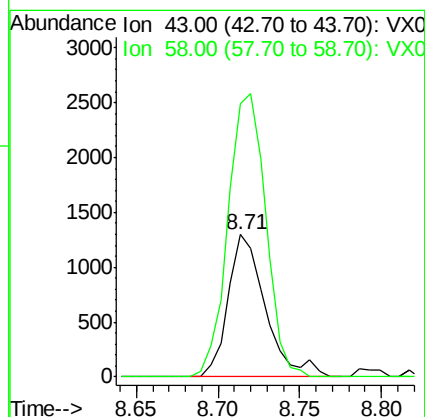
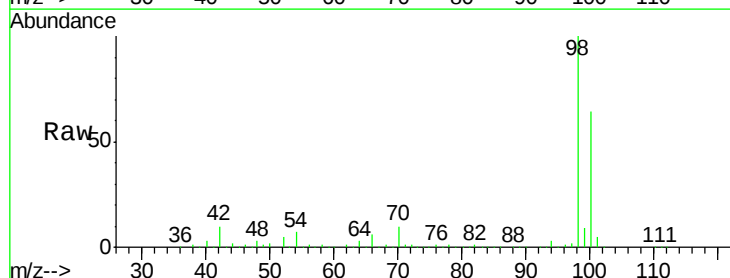
Acq: 22 Jul 2018 06:21

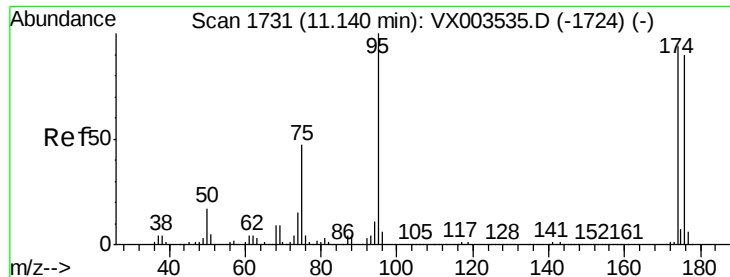
Tgt Ion: 43 Resp: 2079

Ion Ratio Lower Upper

43 100

58 200.1 28.6 42.8#





#62

4-Bromofluorobenzene

Concen: 46.08 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003586.D

Acq: 22 Jul 2018 06:21

Instrument :

MSVOA_X

ClientSampleId :

KY0300F001-180717

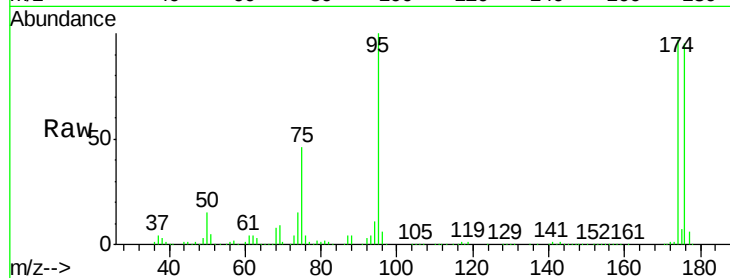
Tot Ion: 95 Resp: 197430

Ion Ratio Lower Upper

95 100

174 99.5 0.0 187.4

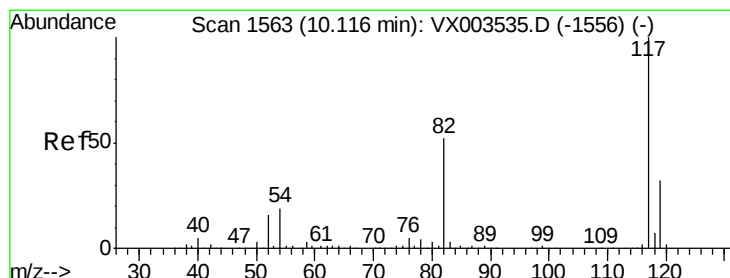
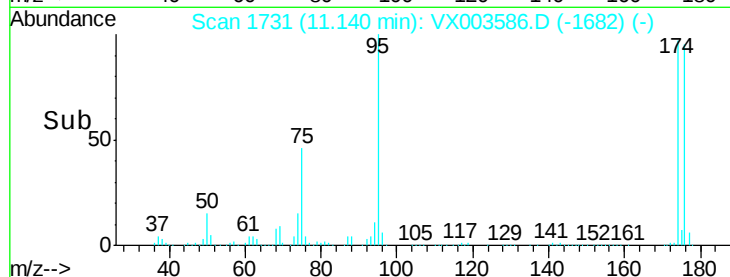
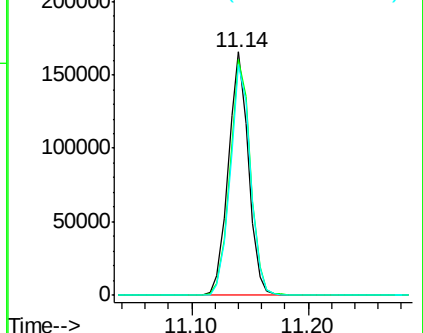
176 96.0 0.0 181.0



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



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003586.D

Acq: 22 Jul 2018 06:21

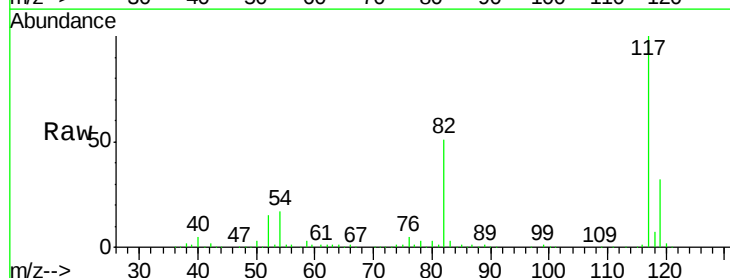
Tgt Ion: 117 Resp: 384972

Ion Ratio Lower Upper

117 100

82 51.4 45.0 67.4

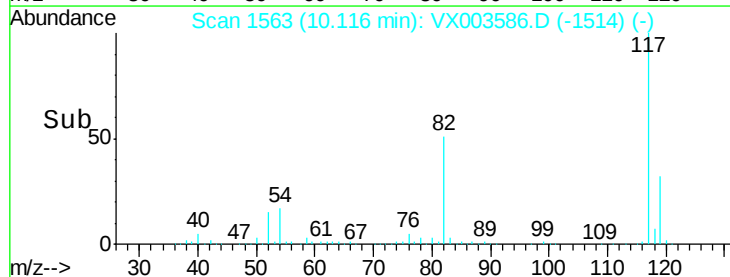
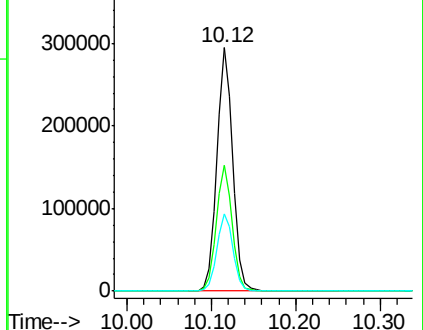
119 32.0 25.8 38.6

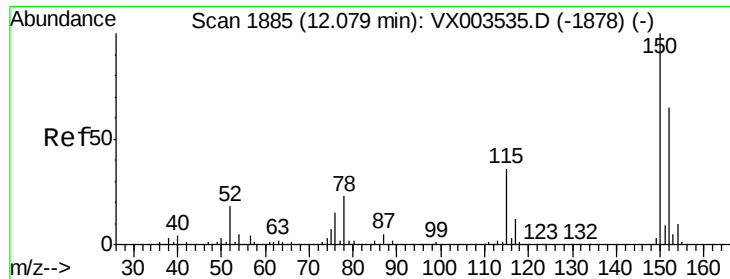


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003586.D

Acq: 22 Jul 2018 06:21

Instrument :

MSVOA_X

ClientSampleId :

KY0300F001-180717

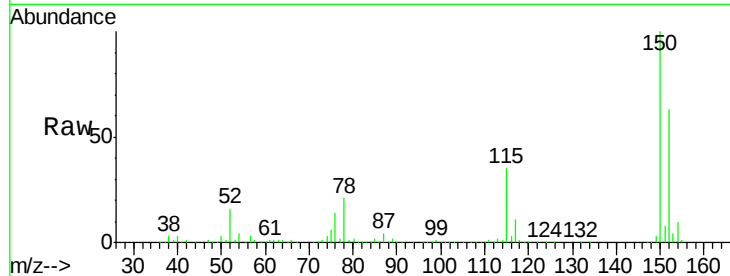
Tot Ion:152 Resp: 216663

Ion Ratio Lower Upper

152 100

115 53.7 40.1 120.2

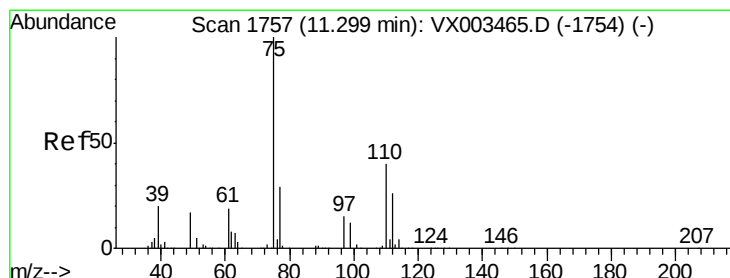
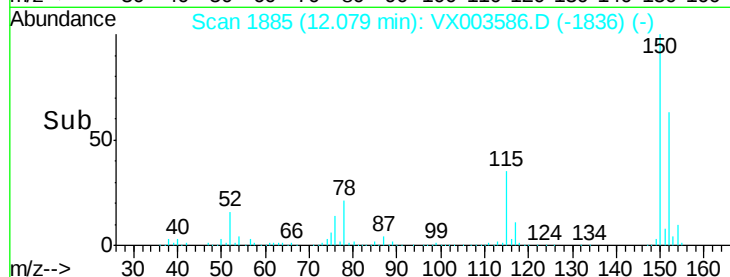
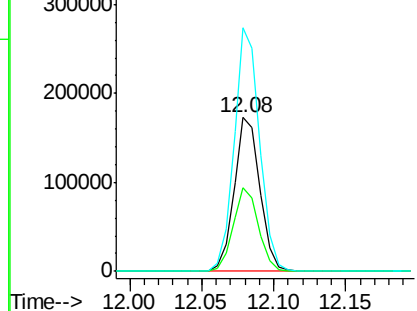
150 155.9 0.0 347.2



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: 23.25 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003586.D

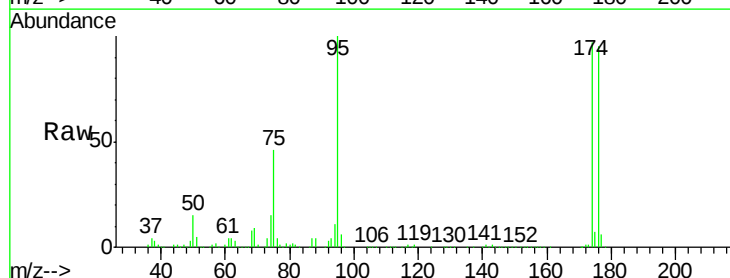
Acq: 22 Jul 2018 06:21

Tgt Ion: 75 Resp: 90477

Ion Ratio Lower Upper

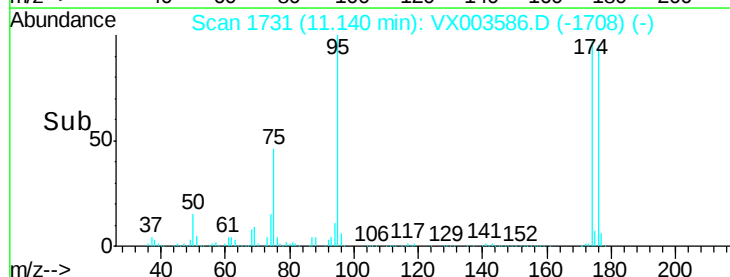
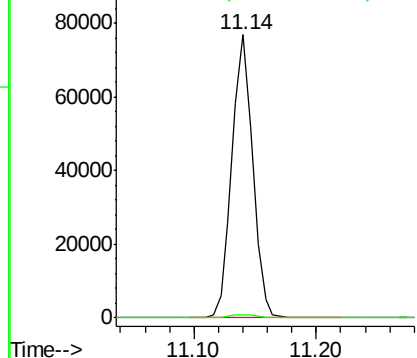
75 100

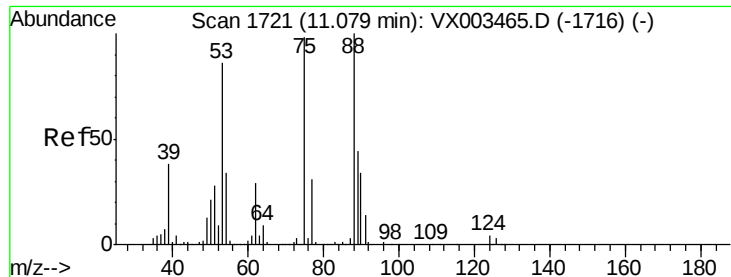
77 1.4 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 65.26 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003586.D

Acq: 22 Jul 2018 06:21

Instrument :

MSVOA_X

ClientSampleId :

KY0300F001-180717

Tot Ion: 75 Resp: 90477

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#

