

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031219\
 Data File : VX008011.D
 Acq On : 12 Mar 2019 12:53
 Operator : JC/SP
 Sample : VX0312WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBL01

Quant Time: Mar 13 05:18:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

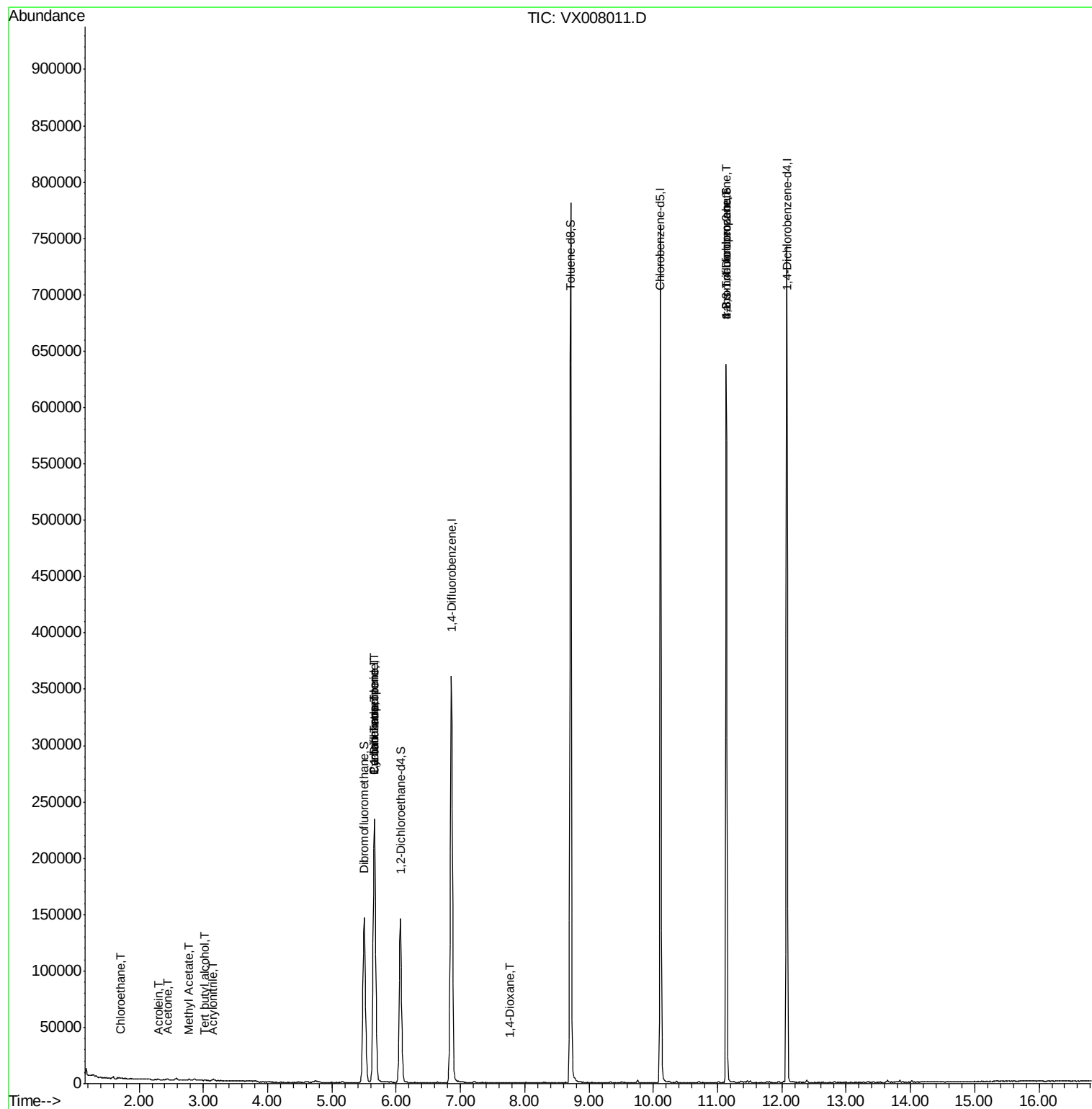
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	245751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	383698	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	361717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	172694	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	133883	51.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.28%	
35) Dibromofluoromethane	5.50	113	124778	50.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.68%	
50) Toluene-d8	8.71	98	466490	51.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.50%	
62) 4-Bromofluorobenzene	11.13	95	169592	53.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.32%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.67	94	604	Below Cal	#	65
6) Chloroethane	1.71	64	1338	0.749	ug/l #	71
11) Tert butyl alcohol	3.01	59	540	0.931	ug/l #	73
13) Acrolein	2.30	56	251	2.302	ug/l	94
15) Acrylonitrile	3.15	53	510	0.349	ug/l	97
16) Acetone	2.45	43	1304	0.869	ug/l	97
17) Carbon Disulfide	2.57	76	1735	Below Cal	#	77
18) Methyl Acetate	2.78	43	885	0.278	ug/l #	85
31) Cyclohexane	5.67	56	3772	0.947	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15259	4.392	ug/l #	48
38) Carbon Tetrachloride	5.66	117	20783	6.301	ug/l #	17
49) 1,4-Dioxane	7.77	88	19	0.288	ug/l #	22
76) 1,2,3-Trichloropropane	11.13	75	77717	21.446	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	77717	68.552	ug/l #	11

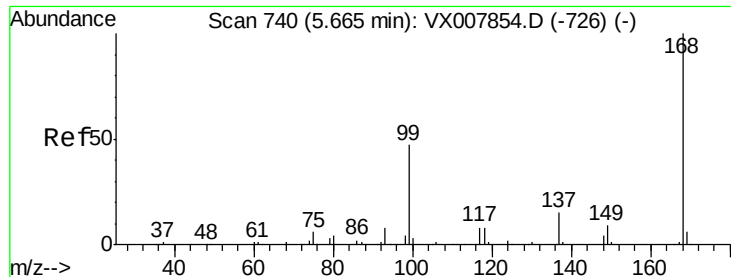
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
VX0312WBL01

Quant Time: Mar 13 05:18:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008011.D

Acq: 12 Mar 2019 12:53

Instrument :

MSVOA_X

ClientSampled :

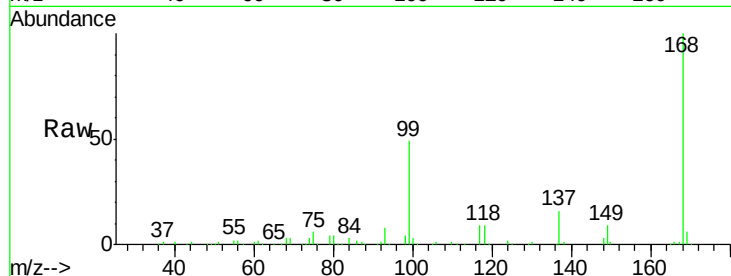
VX0312WBL01

Tot Ion:168 Resp: 245751

Ion Ratio Lower Upper

168 100

99 48.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

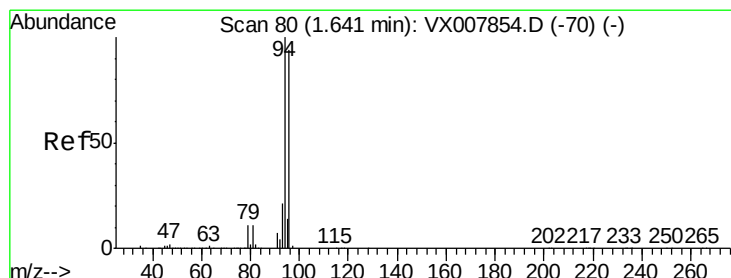
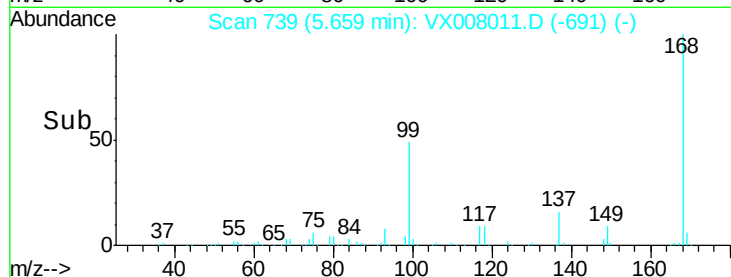
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 84

Delta R.T. 0.02 min

Lab File: VX008011.D

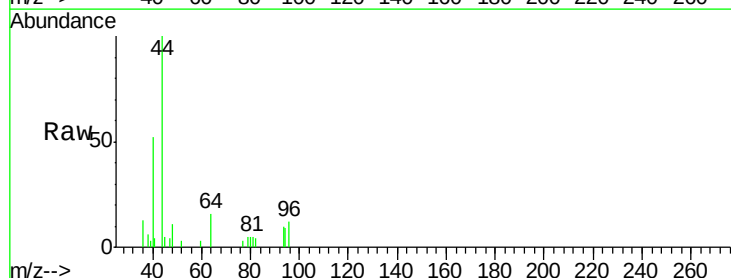
Acq: 12 Mar 2019 12:53

Tgt Ion: 94 Resp: 604

Ion Ratio Lower Upper

94 100

96 60.3 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.67

400

300

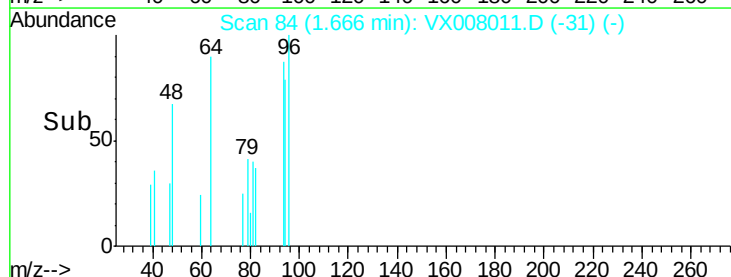
200

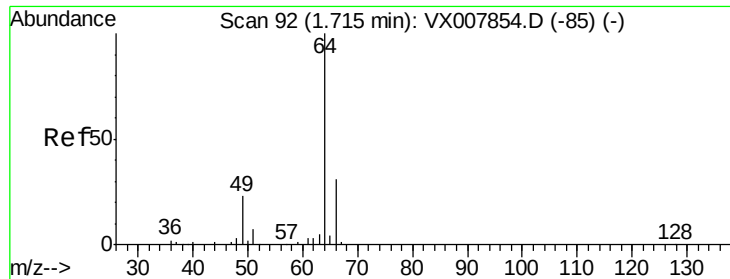
100

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.749 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008011.D

Acq: 12 Mar 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

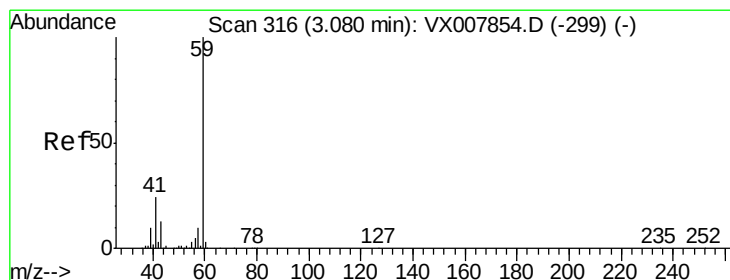
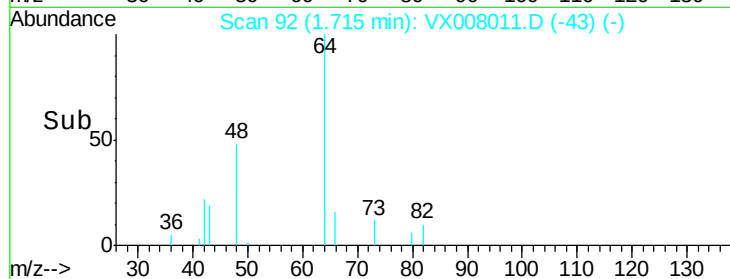
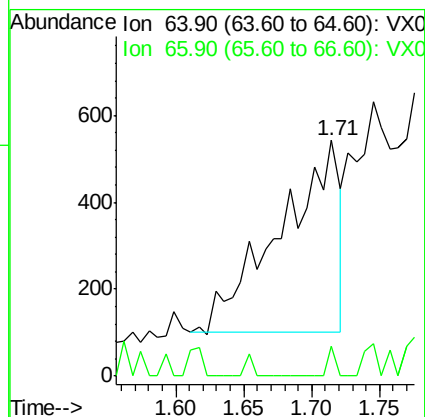
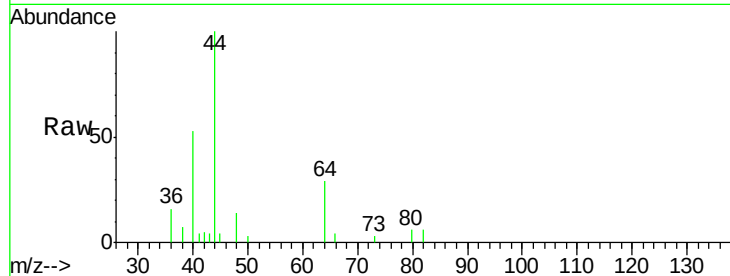
VX0312WBL01

Tot Ion: 64 Resp: 1338

Ion Ratio Lower Upper

64 100

66 15.4 25.2 37.8#



#11

Tert butyl alcohol

Concen: 0.931 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.07 min

Lab File: VX008011.D

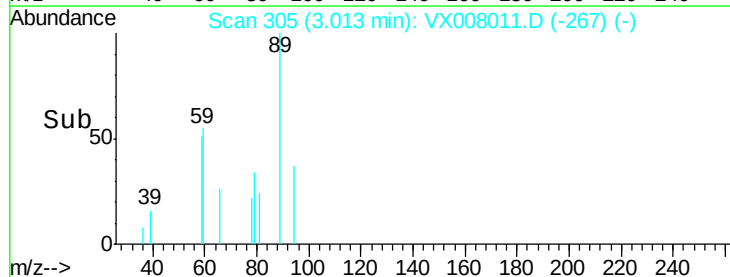
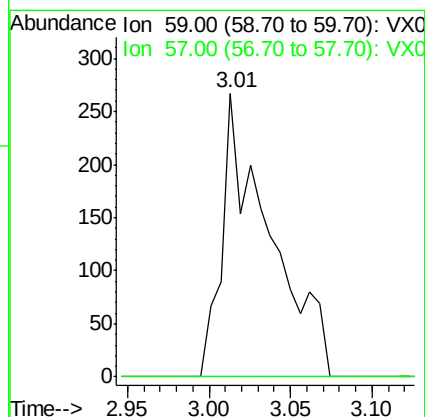
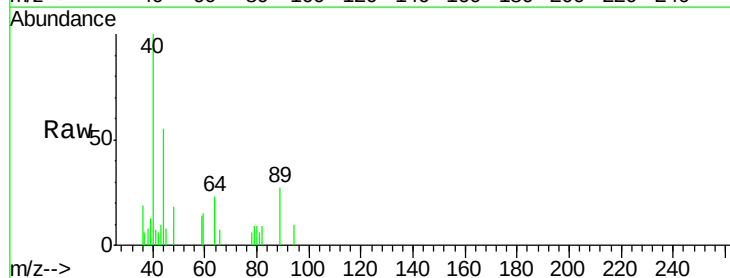
Acq: 12 Mar 2019 12:53

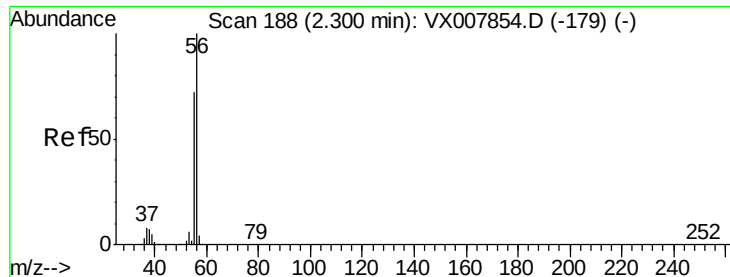
Tgt Ion: 59 Resp: 540

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#





#13

Acrolein

Concen: 2.302 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX008011.D

Acq: 12 Mar 2019 12:53

Instrument :

MSVOA_X

ClientSampled :

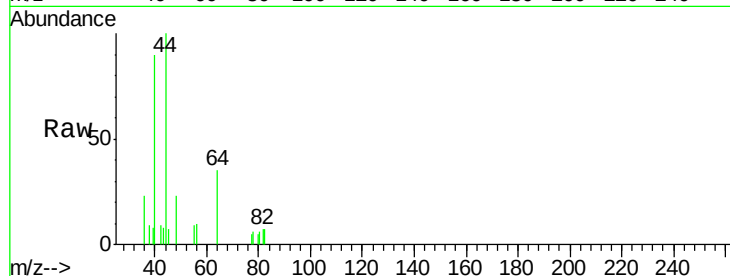
VX0312WBL01

Tot Ion: 56 Resp: 251

Ion Ratio Lower Upper

56 100

55 77.3 57.8 86.6



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.30

120

100

80

60

40

20

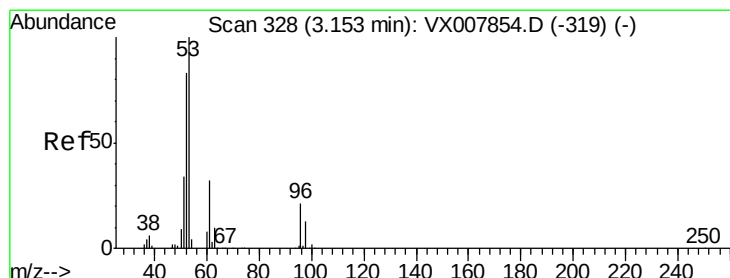
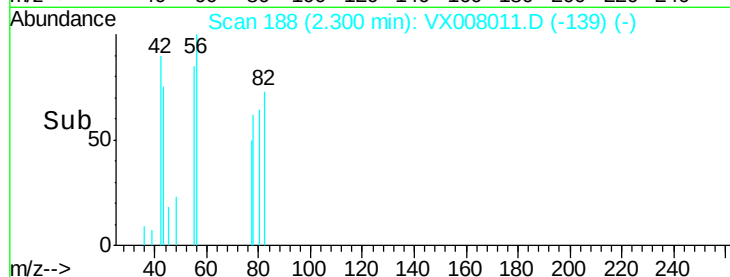
0

Time-->

2.25

2.30

2.35



#15

Acrylonitrile

Concen: 0.349 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX008011.D

Acq: 12 Mar 2019 12:53

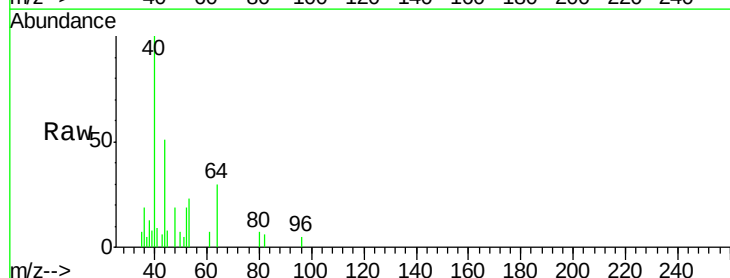
Tgt Ion: 53 Resp: 510

Ion Ratio Lower Upper

53 100

52 82.5 66.0 99.0

51 28.8 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

300

250

200

150

100

50

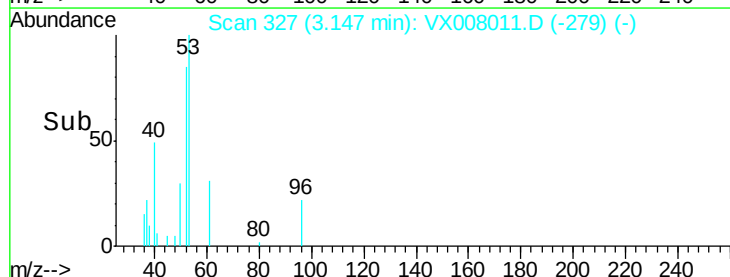
0

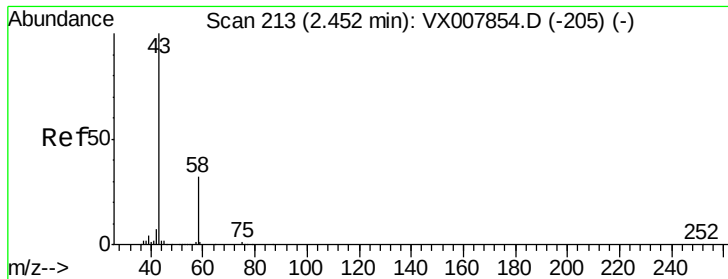
Time-->

3.10

3.15

3.20





#16

Acetone

Concen: 0.869 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX008011.D

Acq: 12 Mar 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

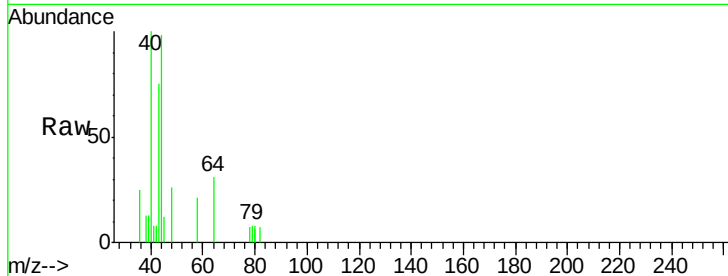
VX0312WBL01

Tot Ion: 43 Resp: 1304

Ion Ratio Lower Upper

43 100

58 30.4 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

800

600

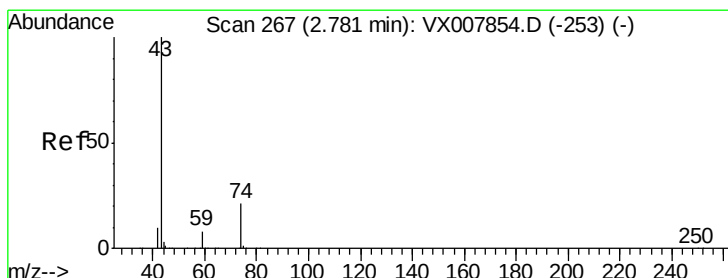
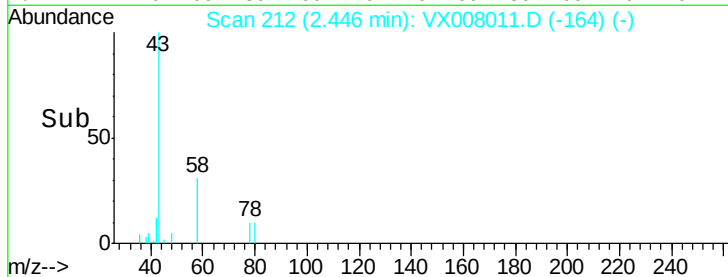
400

200

0

2.40 2.45 2.50 2.55

Time-->



#18

Methyl Acetate

Concen: 0.278 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX008011.D

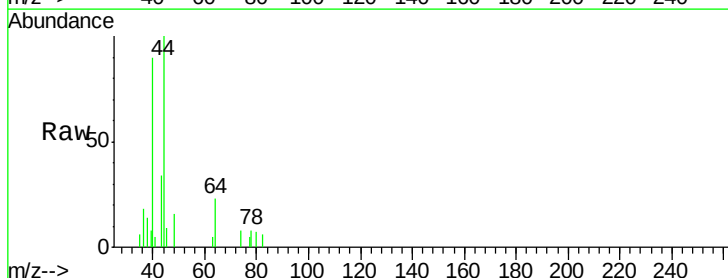
Acq: 12 Mar 2019 12:53

Tgt Ion: 43 Resp: 885

Ion Ratio Lower Upper

43 100

74 15.3 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

400

300

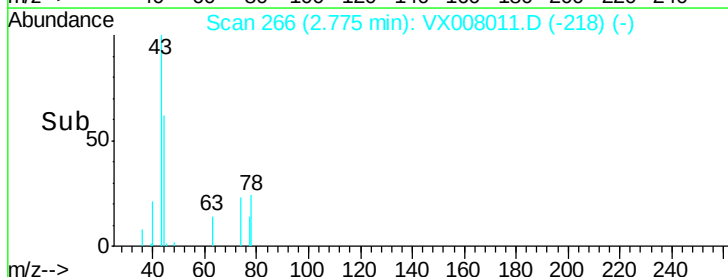
200

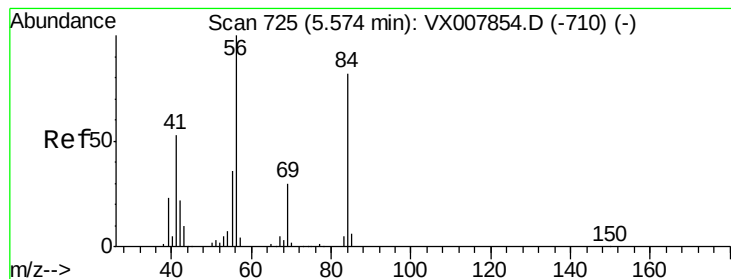
100

0

2.70 2.75 2.80

Time-->





#31

Cyclohexane

Concen: 0.947 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008011.D

Acq: 12 Mar 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBL01

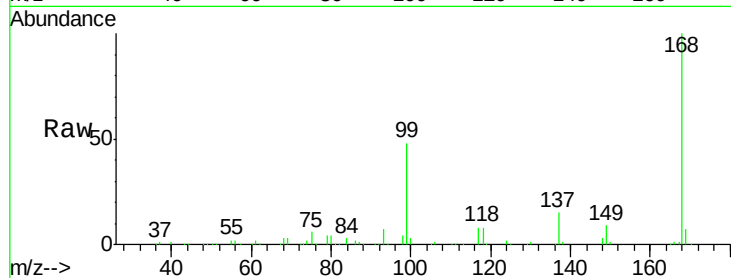
Tot Ion: 56 Resp: 3772

Ion Ratio Lower Upper

56 100

69 165.5 24.0 36.0#

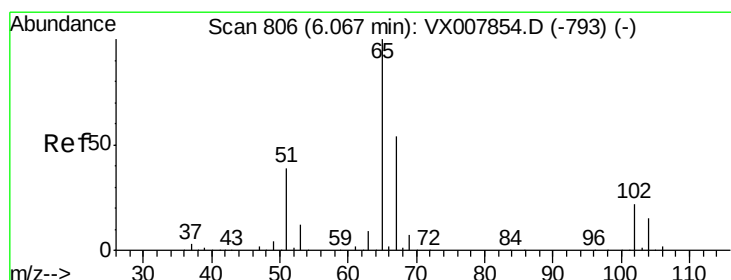
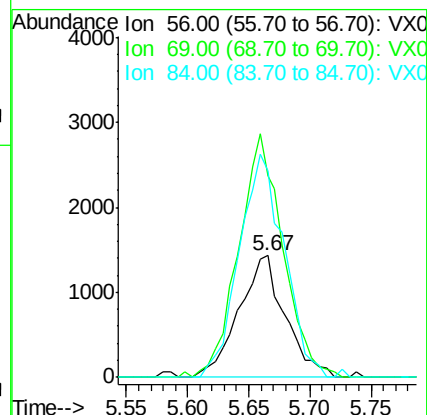
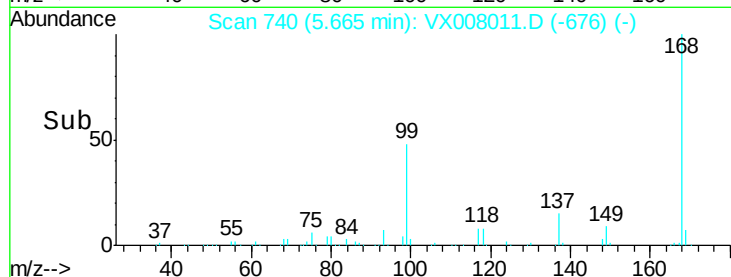
84 169.6 65.3 97.9#



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: 51.644 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008011.D

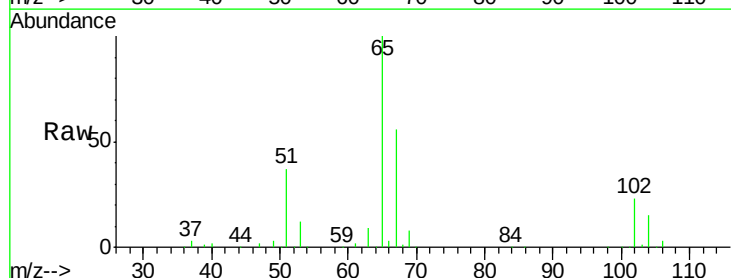
Acq: 12 Mar 2019 12:53

Tgt Ion: 65 Resp: 133883

Ion Ratio Lower Upper

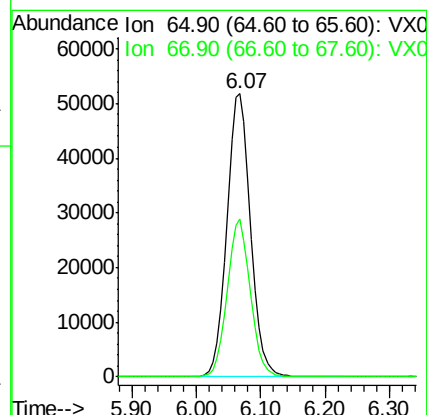
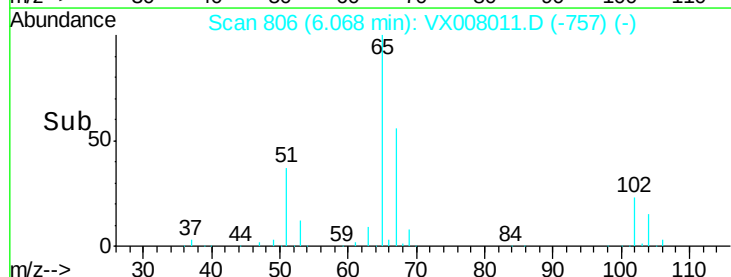
65 100

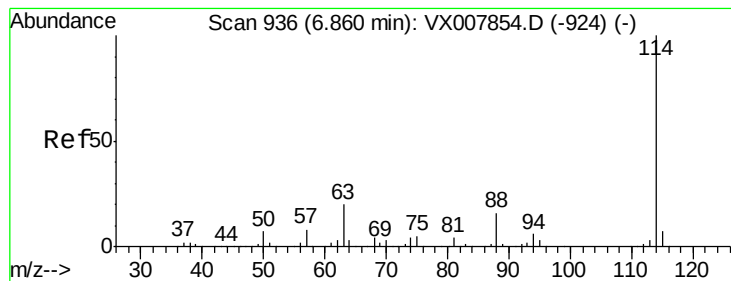
67 54.5 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008011.D

Acq: 12 Mar 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBL01

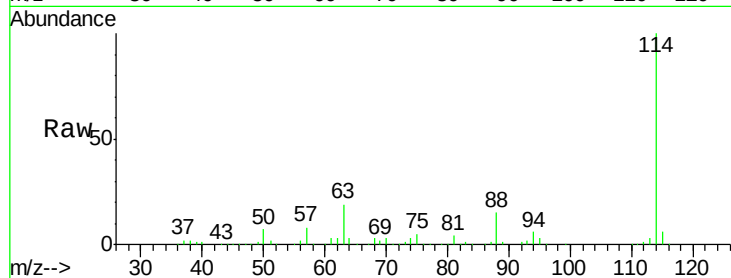
Tot Ion:114 Resp: 383698

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.8

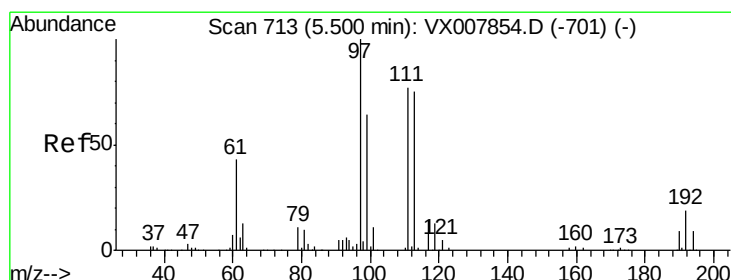
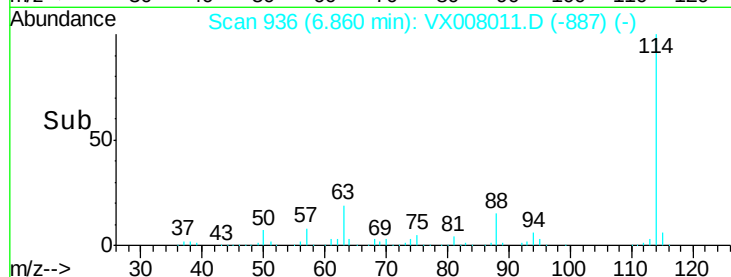
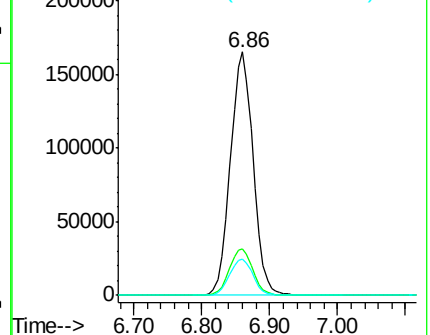
88 15.0 0.0 31.4



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: 50.839 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008011.D

Acq: 12 Mar 2019 12:53

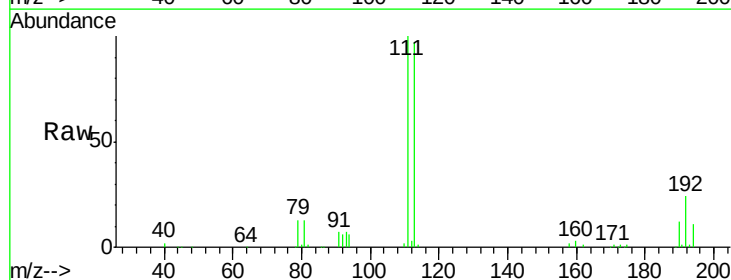
Tgt Ion:113 Resp: 124778

Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

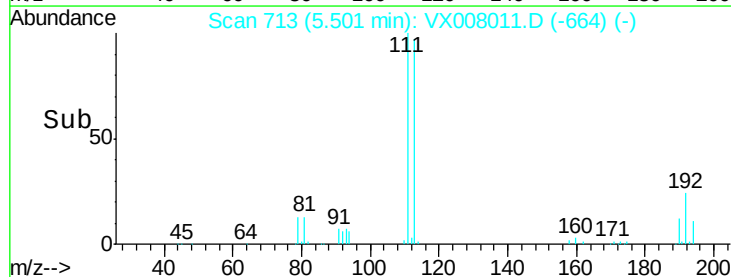
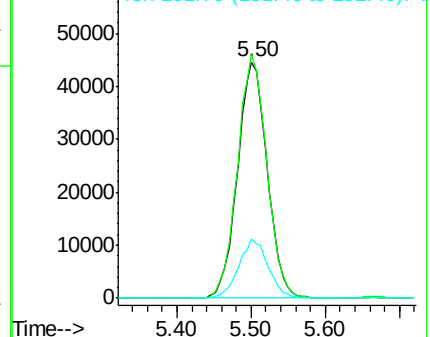
192 24.6 19.4 29.0

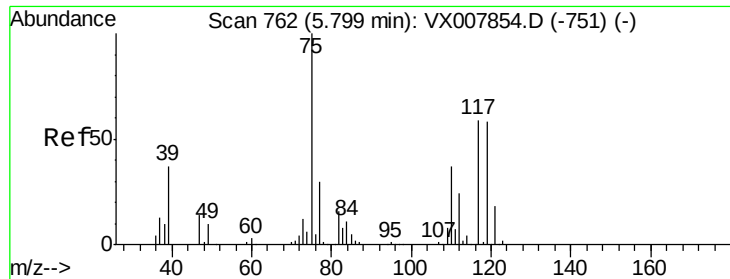


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.392 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008011.D

Acq: 12 Mar 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBL01

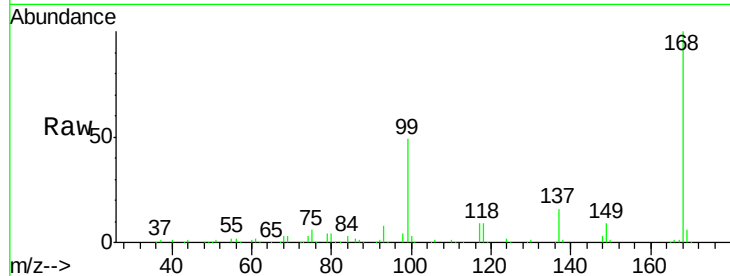
Tot Ion: 75 Resp: 15259

Ion Ratio Lower Upper

75 100

110 8.3 18.4 55.0#

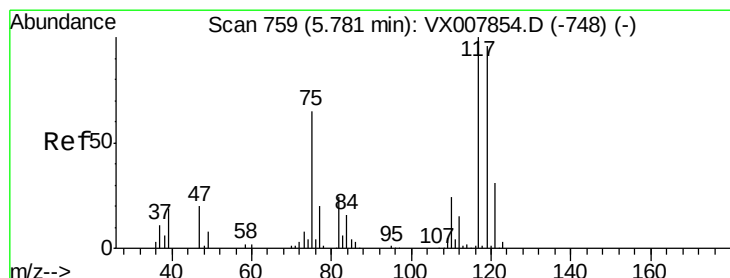
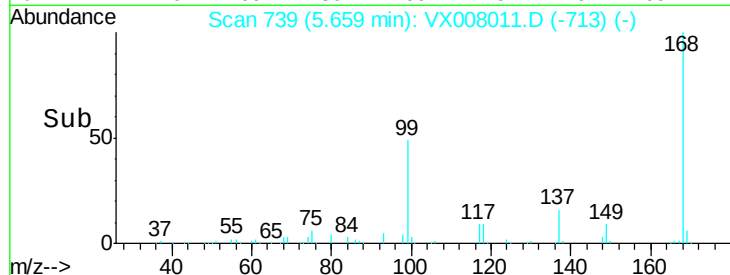
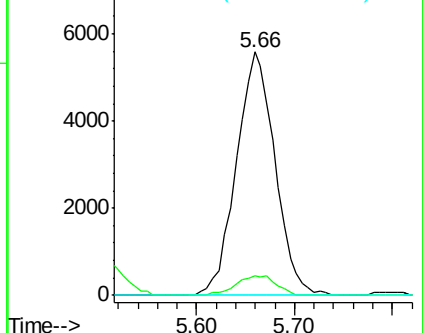
77 0.0 25.0 37.4#



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: 6.301 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX008011.D

Acq: 12 Mar 2019 12:53

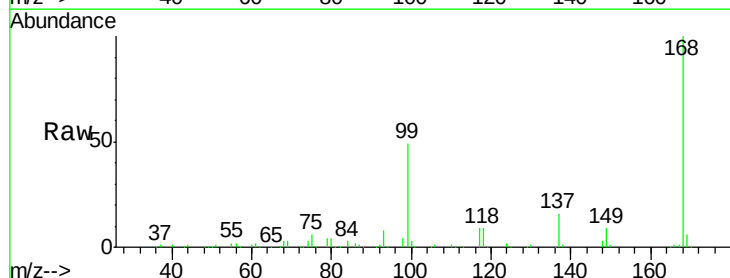
Tgt Ion:117 Resp: 20783

Ion Ratio Lower Upper

117 100

119 5.5 76.2 114.2#

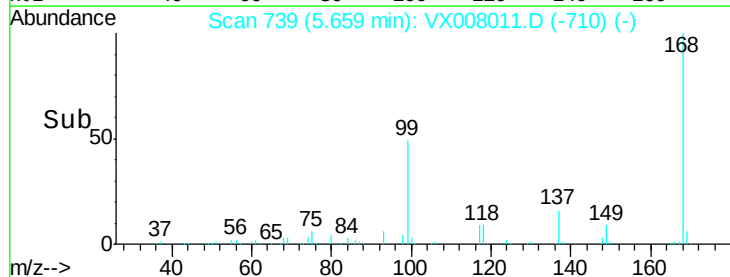
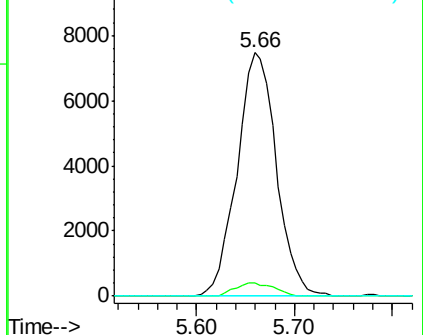
121 0.0 24.6 36.8#

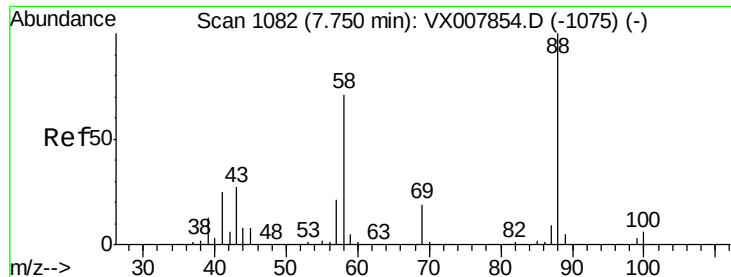


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

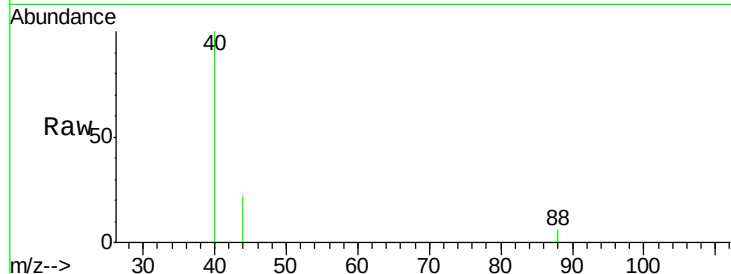




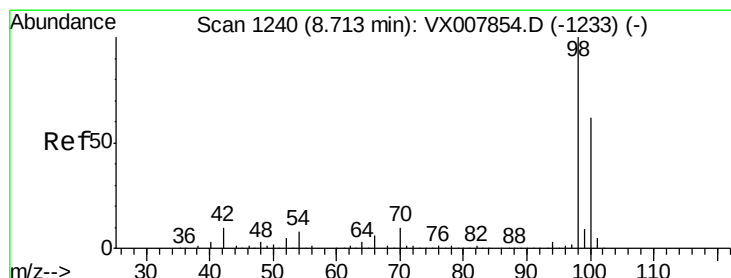
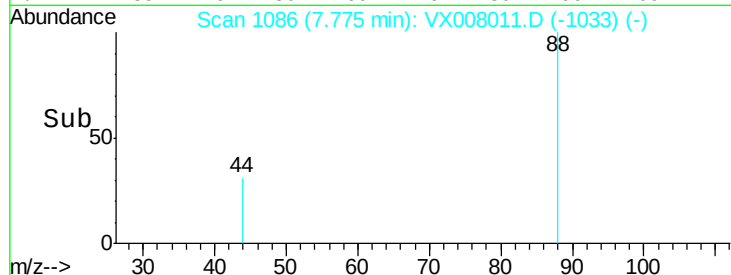
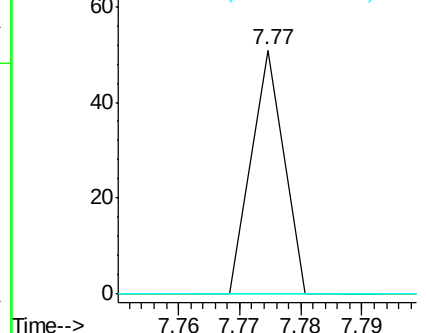
#49
 1,4-Dioxane
 Concen: 0.288 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. 0.02 min
 Lab File: VX008011.D
 Acq: 12 Mar 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBL01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.1	37.7#
58	0.0	57.8	86.6#

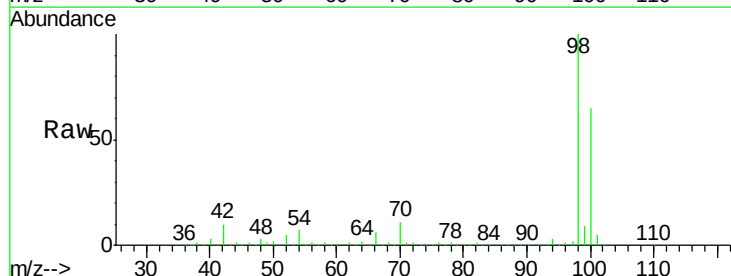


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

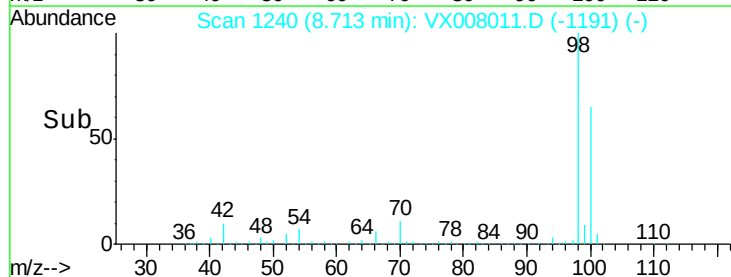
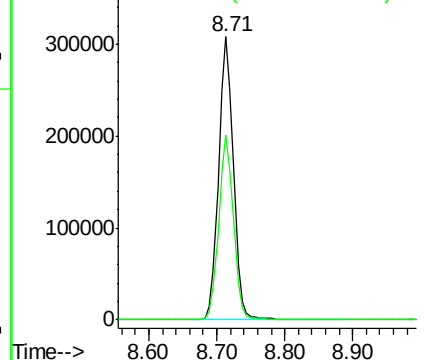


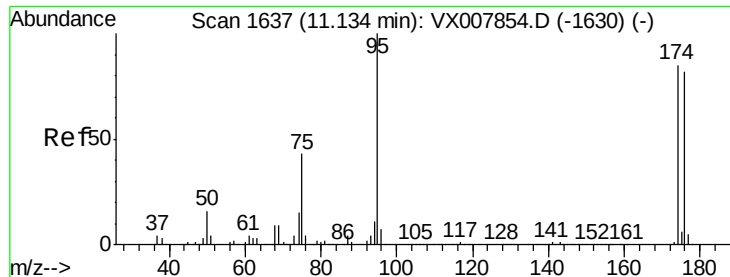
#50
 Toluene-d8
 Concen: 51.753 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX008011.D
 Acq: 12 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.7	77.5



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





#62

4-Bromofluorobenzene

Concen: 53.664 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008011.D

Acq: 12 Mar 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBL01

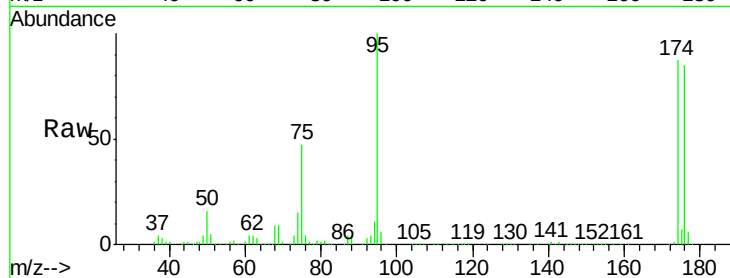
Tot Ion: 95 Resp: 169592

Ion Ratio Lower Upper

95 100

174 91.8 0.0 182.8

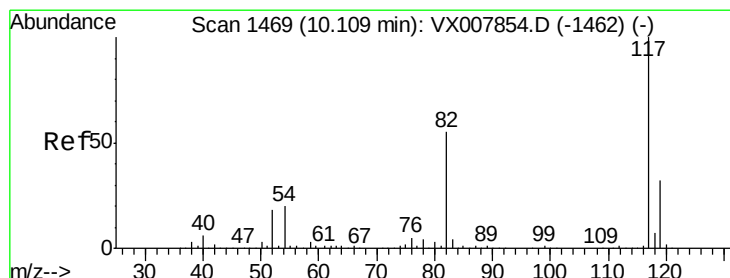
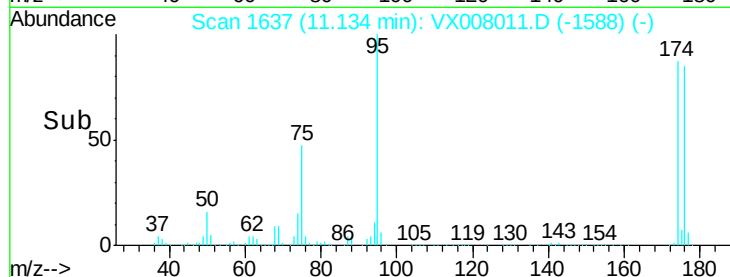
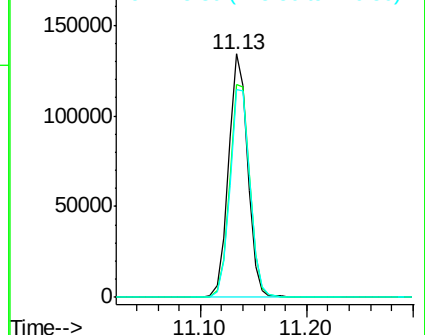
176 89.5 0.0 178.0



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: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008011.D

Acq: 12 Mar 2019 12:53

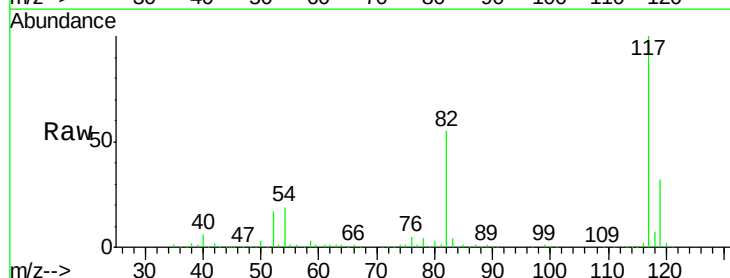
Tgt Ion: 117 Resp: 361717

Ion Ratio Lower Upper

117 100

82 54.6 44.3 66.5

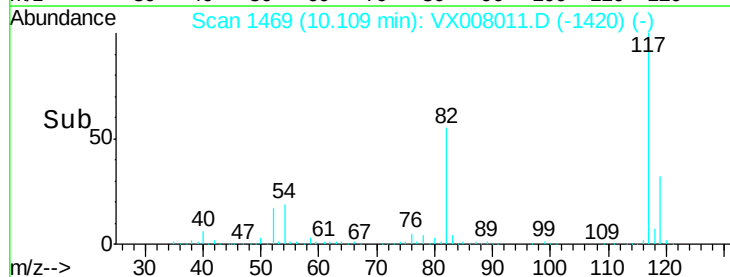
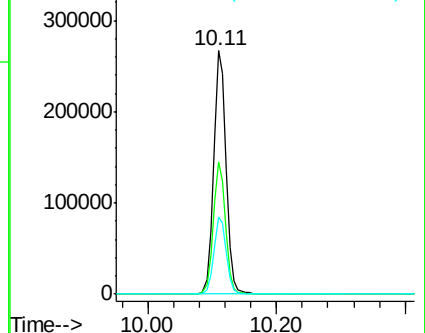
119 31.6 25.3 37.9

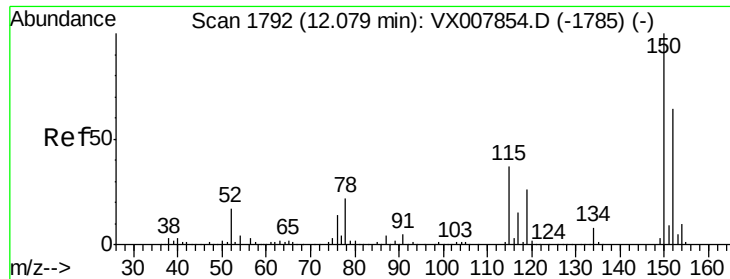


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008011.D

Acq: 12 Mar 2019 12:53

Instrument :

MSVOA_X

ClientSampled :

VX0312WBL01

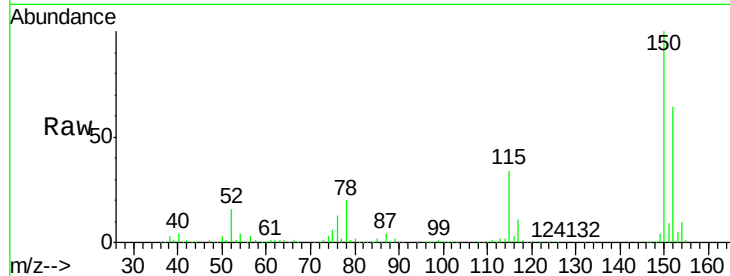
Tot Ion:152 Resp: 172694

Ion Ratio Lower Upper

152 100

115 55.0 38.6 115.7

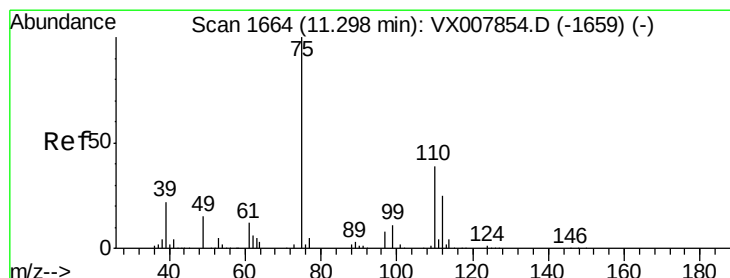
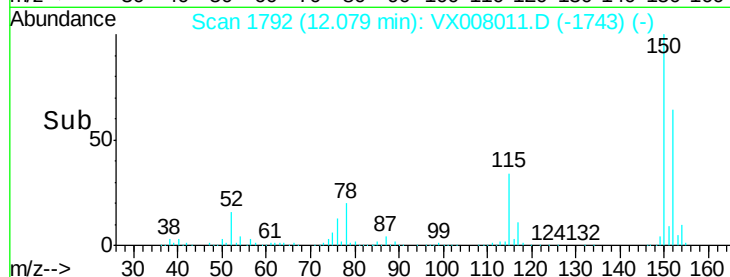
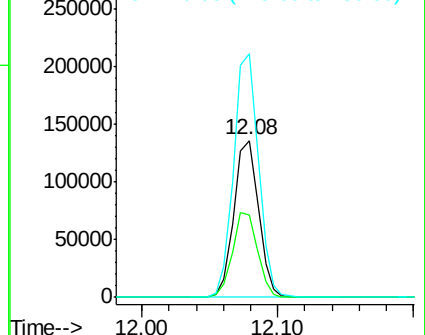
150 156.4 0.0 348.4



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: 21.446 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008011.D

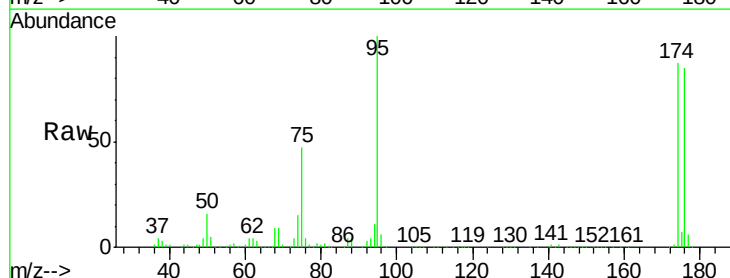
Acq: 12 Mar 2019 12:53

Tgt Ion: 75 Resp: 77717

Ion Ratio Lower Upper

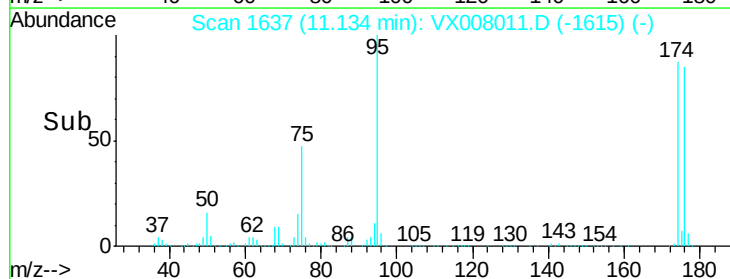
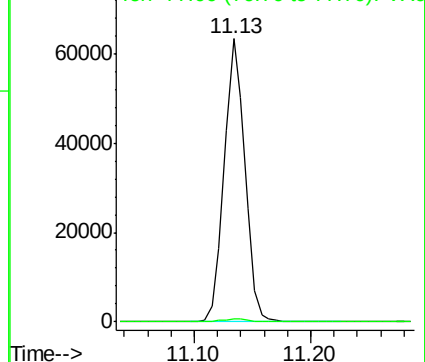
75 100

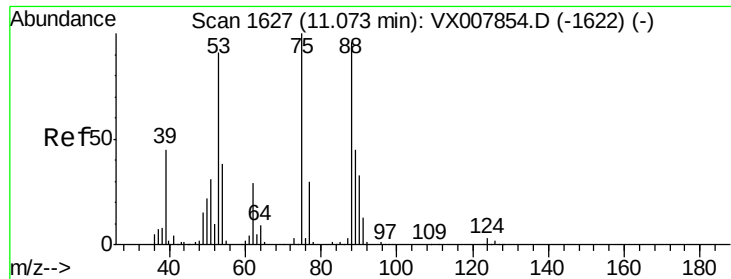
77 1.3 18.9 56.7#



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: 68.552 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008011.D

Acq: 12 Mar 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBL01

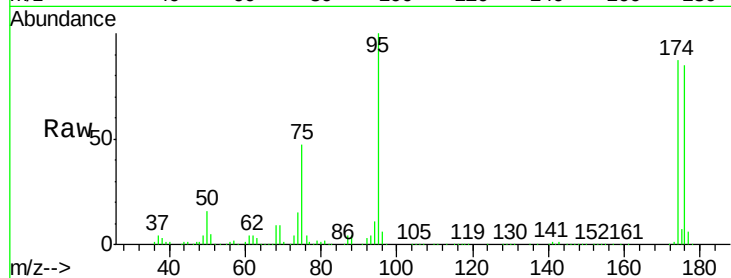
Tot Ion: 75 Resp: 77717

Ion Ratio Lower Upper

75 100

53 0.1 76.1 114.1#

89 0.0 36.3 54.5#



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

