

Data File : VX000161.D
Acq On : 28 Feb 2018 11:53
Operator : JC/MD
Sample : VX0228WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBL01

Quant Time: Mar 01 06:28:39 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 15 12:46:41 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	123778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	196526	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	179935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	90953	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	75599	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
35) Dibromofluoromethane	5.51	113	57313	46.21	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	92.42%	
50) Toluene-d8	8.72	98	236339	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
62) 4-Bromofluorobenzene	11.15	95	83723	43.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.28%	

Target Compounds			Qvalue			
5) Bromomethane	1.65	94	207	Below Cal	#	47
13) Acrolein	2.29	56	97	0.34	ug/l #	15
15) Acrylonitrile	3.15	53	573	0.56	ug/l #	85
16) Acetone	2.45	43	1180	1.18	ug/l #	76
17) Carbon Disulfide	2.57	76	984	0.26	ug/l #	52
20) Methylene Chloride	2.86	84	315	Below Cal	#	71
29) Tetrahydrofuran	5.19	42	515	0.57	ug/l #	42
31) Cyclohexane	5.67	56	3092	1.60	ug/l #	60
36) 1,1-Dichloropropene	5.67	75	9545	5.41	ug/l #	48
38) Carbon Tetrachloride	5.67	117	12580	6.60	ug/l #	18
41) Methacrylonitrile	5.07	41	113	Below Cal	#	39
76) 1,2,3-Trichloropropane	11.15	75	46744	24.81	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.15	75	46744	70.66	ug/l #	12

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

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ALS Vial : 3 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBL01

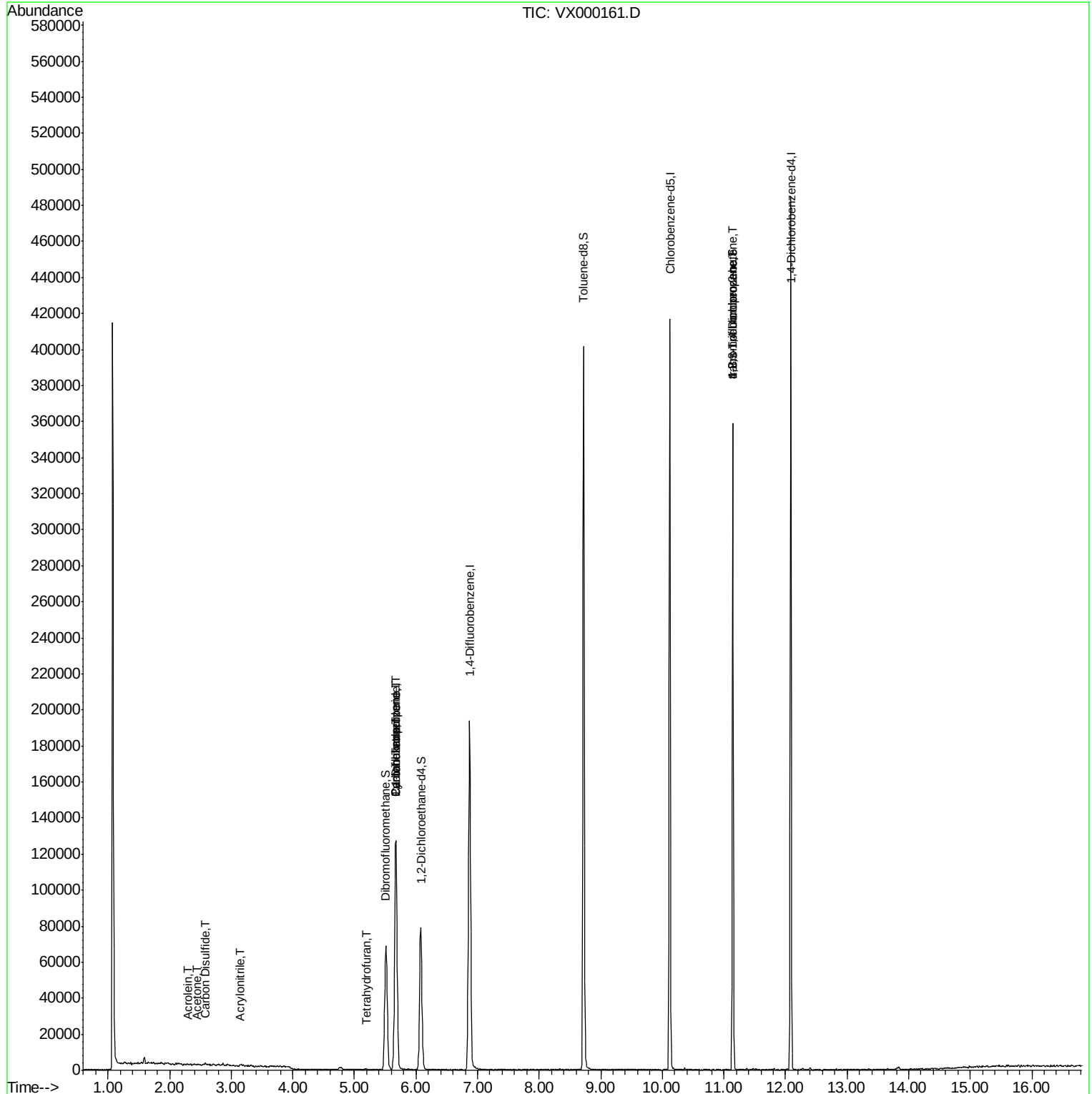
Quant Time: Mar 01 06:28:39 2018

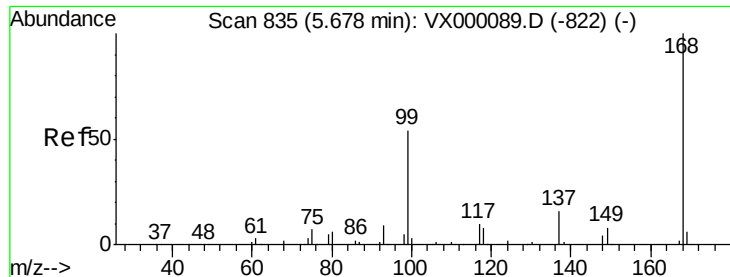
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M

Quant Title : SW846 8260

QLast Update : Thu Feb 15 12:46:41 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000161.D

Acq: 28 Feb 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

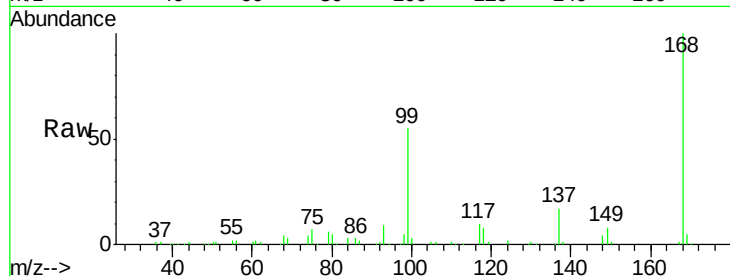
VX0228WBL01

Tgt Ion:168 Resp: 123778

Ion Ratio Lower Upper

168 100

99 55.0 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

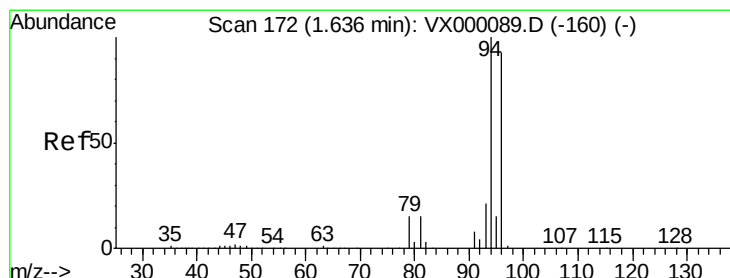
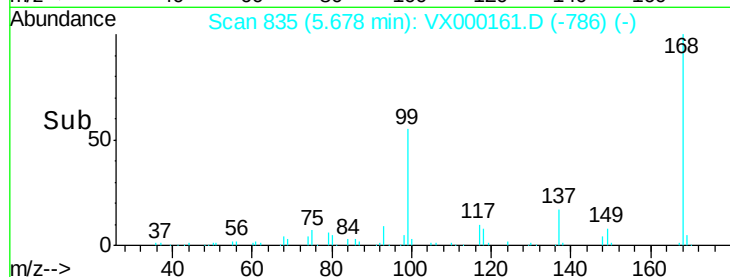
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX000161.D

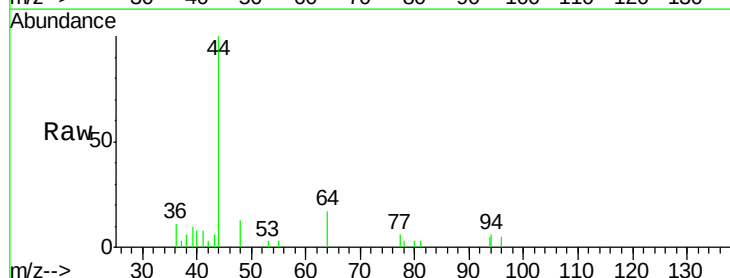
Acq: 28 Feb 2018 11:53

Tgt Ion: 94 Resp: 207

Ion Ratio Lower Upper

94 100

96 42.3 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

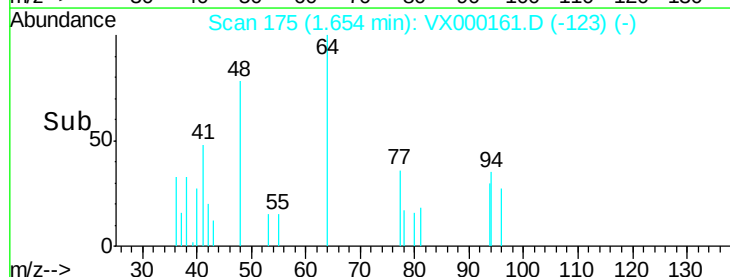
150

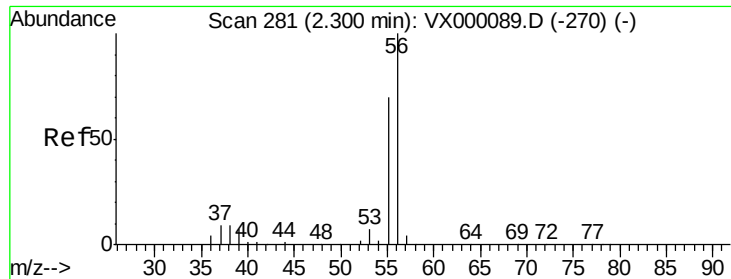
100

50

0

Time--> 1.62 1.64 1.66 1.68 1.70





#13

Acrolein

Concen: 0.34 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX000161.D

Acq: 28 Feb 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

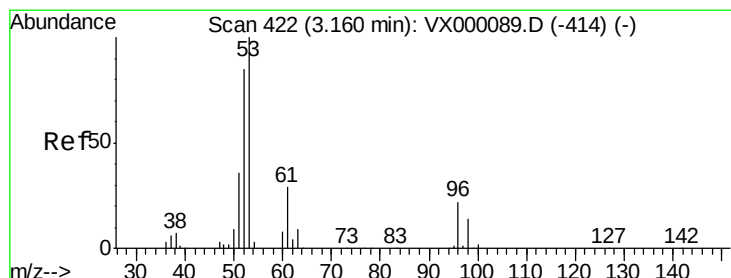
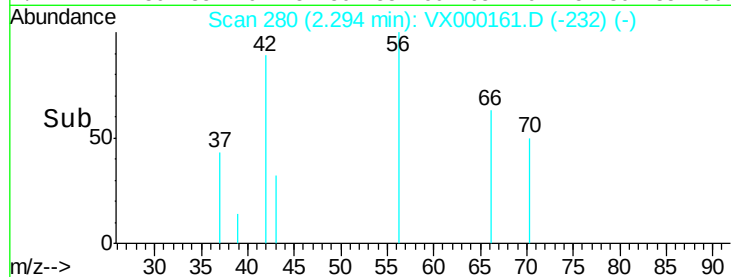
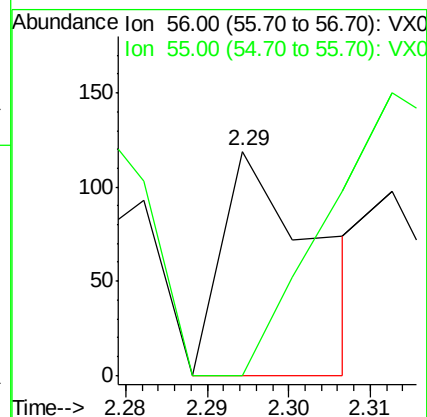
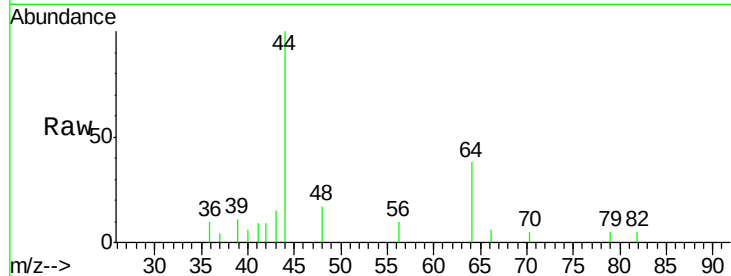
VX0228WBL01

Tgt Ion: 56 Resp: 97

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#



#15

Acrylonitrile

Concen: 0.56 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX000161.D

Acq: 28 Feb 2018 11:53

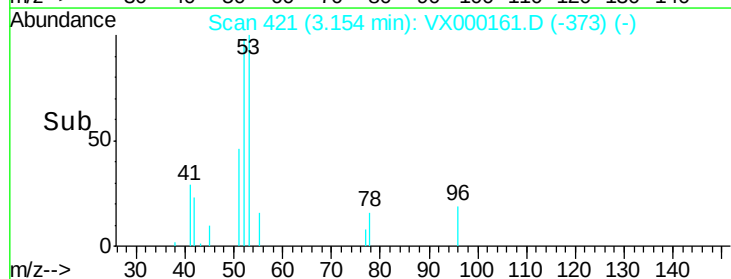
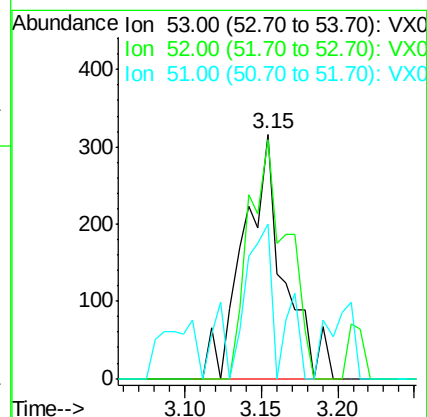
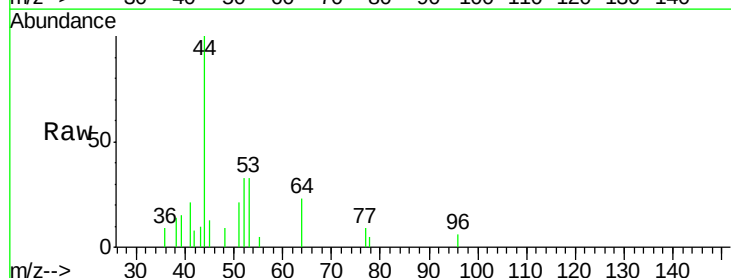
Tgt Ion: 53 Resp: 573

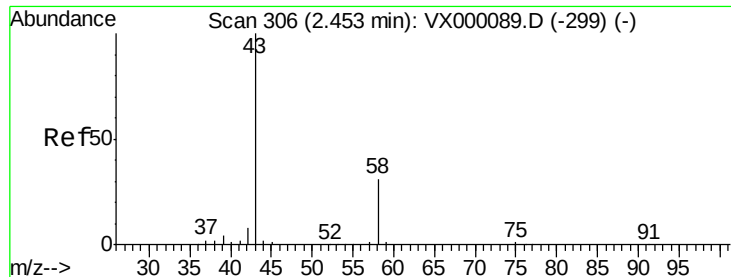
Ion Ratio Lower Upper

53 100

52 93.2 66.5 99.7

51 49.9 29.0 43.6#





#16

Acetone

Concen: 1.18 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000161.D

Acq: 28 Feb 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

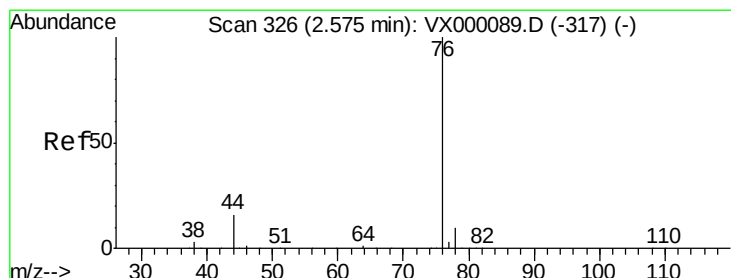
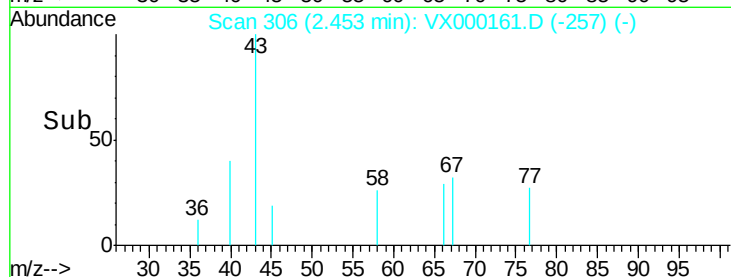
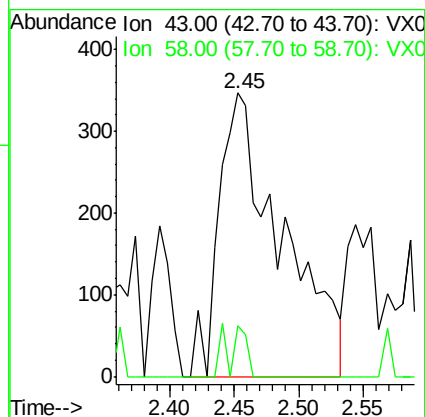
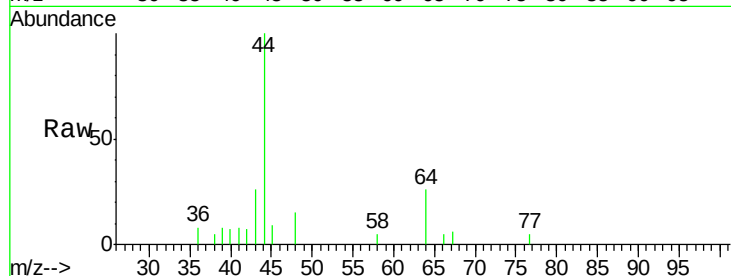
VX0228WBL01

Tgt Ion: 43 Resp: 1180

Ion Ratio Lower Upper

43 100

58 17.9 25.0 37.4#



#17

Carbon Disulfide

Concen: 0.26 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000161.D

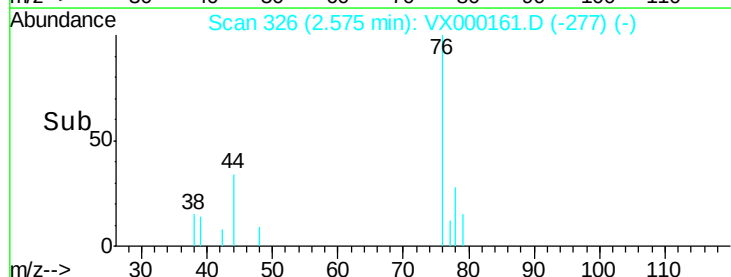
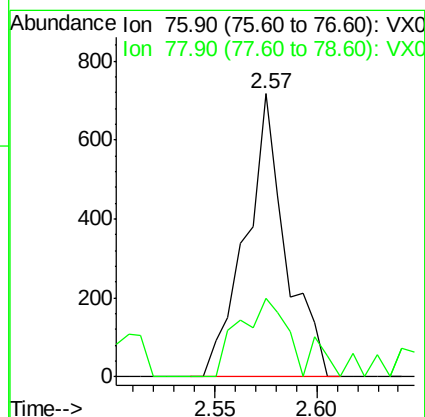
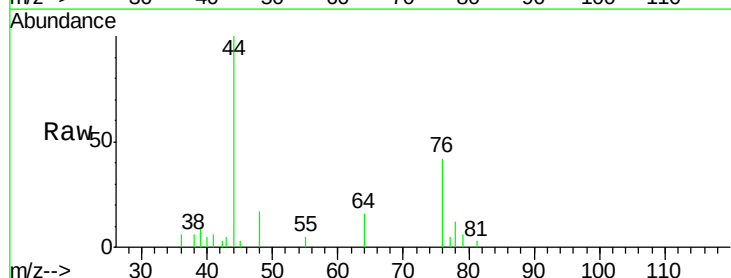
Acq: 28 Feb 2018 11:53

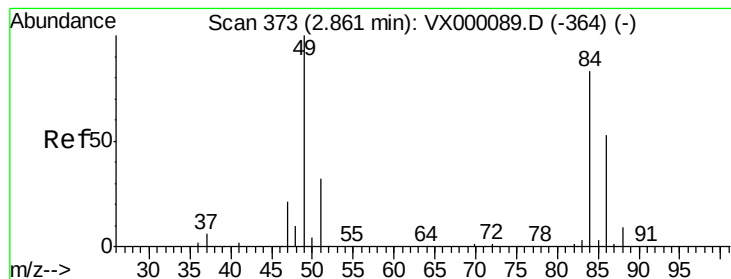
Tgt Ion: 76 Resp: 984

Ion Ratio Lower Upper

76 100

78 27.6 7.8 11.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX000161.D

Acq: 28 Feb 2018 11:53

Instrument :

MSVOA_X

ClientSampled :

VX0228WBL01

Tgt Ion: 84 Resp: 315

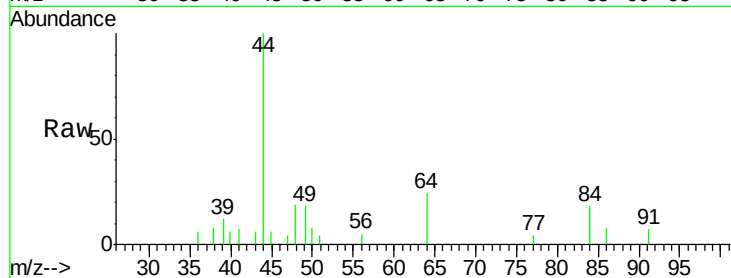
Ion Ratio Lower Upper

84 100

49 97.2 96.1 144.1

51 0.0 30.5 45.7#

86 44.0 51.3 76.9#

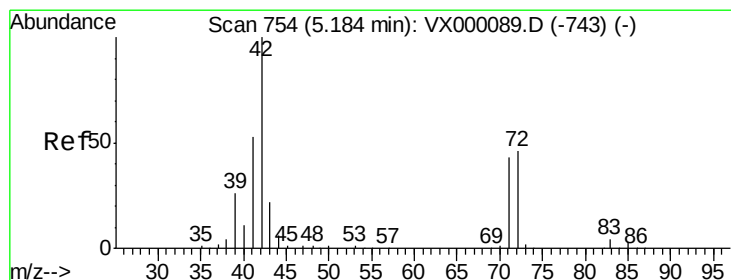
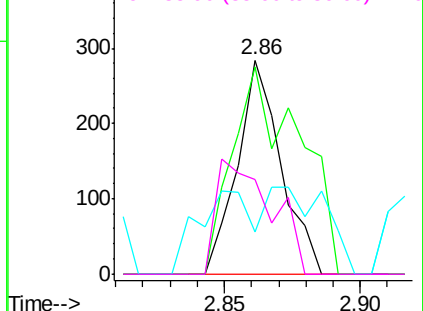
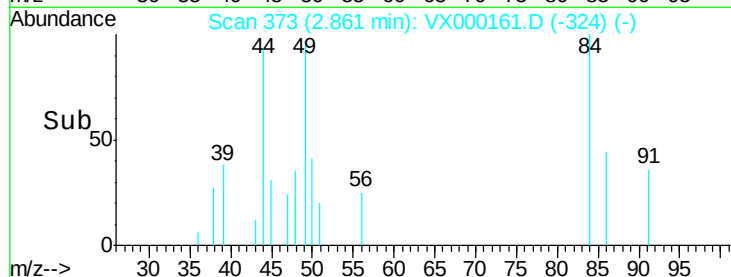


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#29

Tetrahydrofuran

Concen: 0.57 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX000161.D

Acq: 28 Feb 2018 11:53

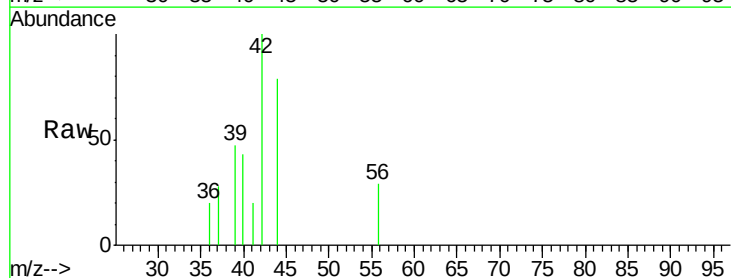
Tgt Ion: 42 Resp: 515

Ion Ratio Lower Upper

42 100

72 3.9 38.6 58.0#

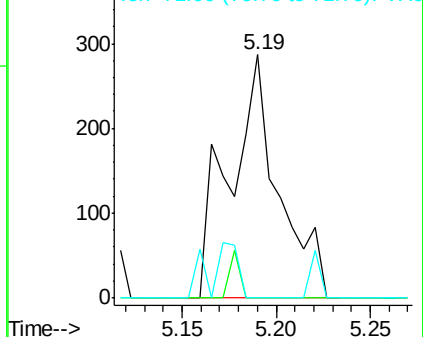
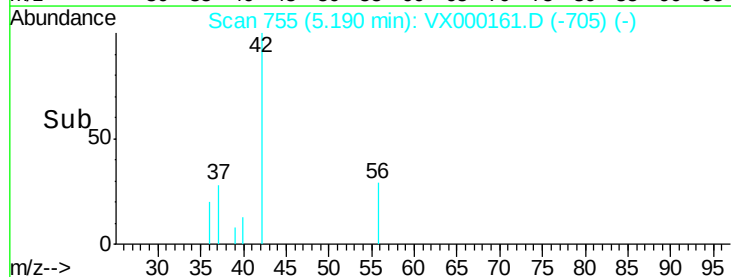
71 13.0 36.2 54.4#

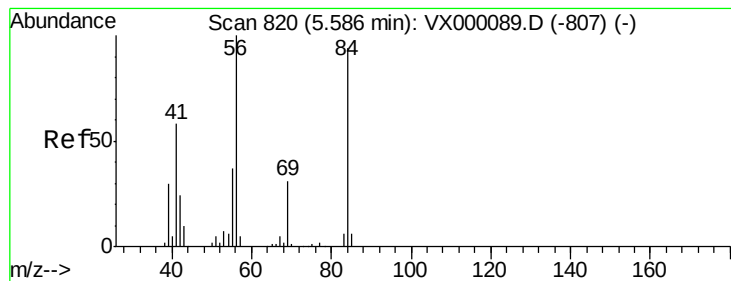


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.60 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.08 min

Lab File: VX000161.D

Acq: 28 Feb 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBL01

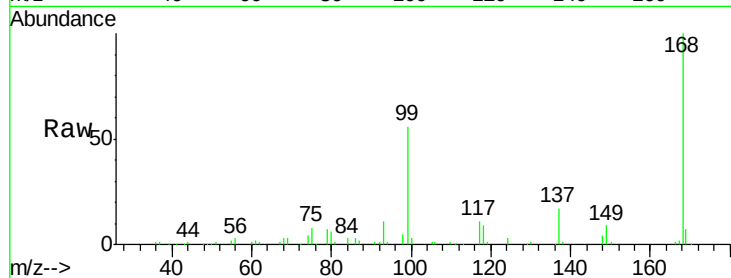
Tgt Ion: 56 Resp: 3092

Ion Ratio Lower Upper

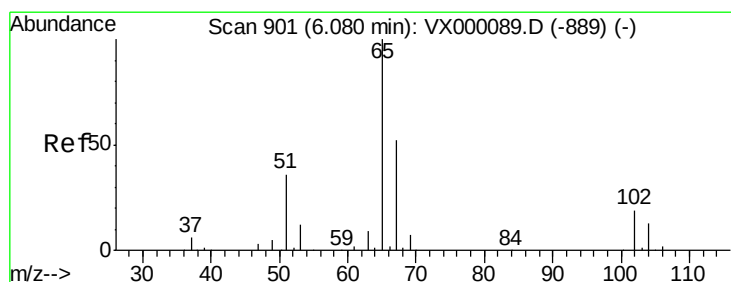
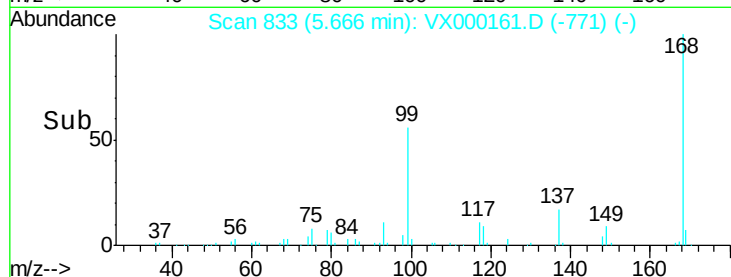
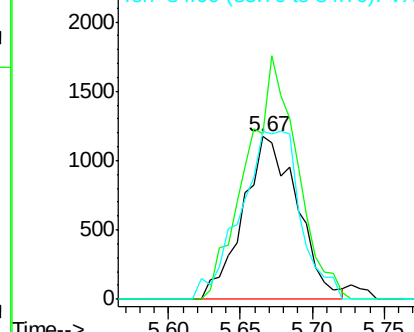
56 100

69 102.0 24.9 37.3#

84 103.3 75.0 112.4



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: 48.91 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000161.D

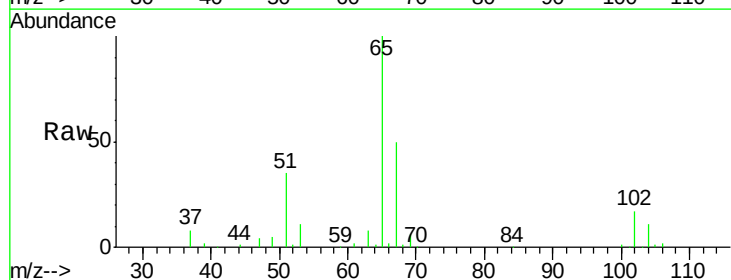
Acq: 28 Feb 2018 11:53

Tgt Ion: 65 Resp: 75599

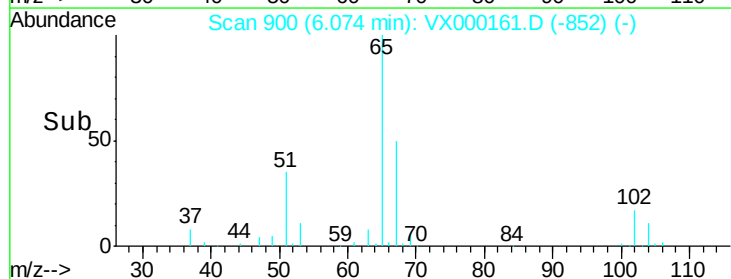
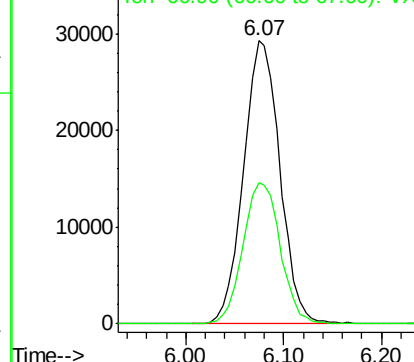
Ion Ratio Lower Upper

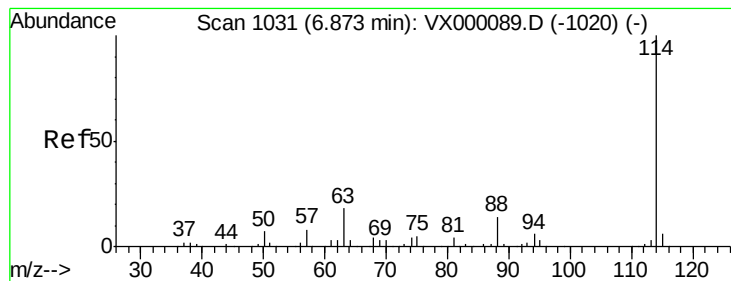
65 100

67 51.3 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VX000161.D

Acq: 28 Feb 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBL01

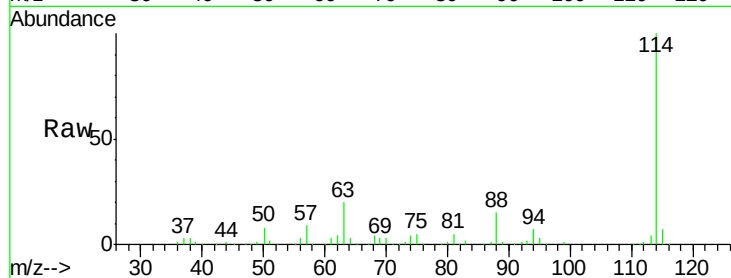
Tgt Ion:114 Resp: 196526

Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.4

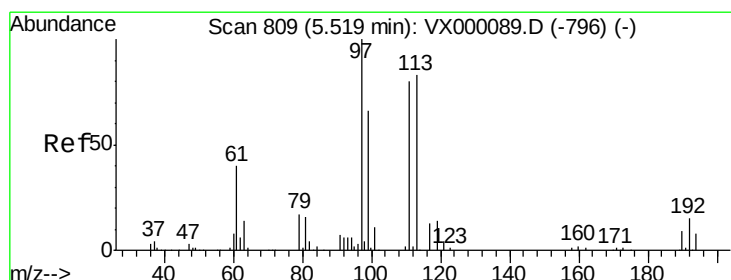
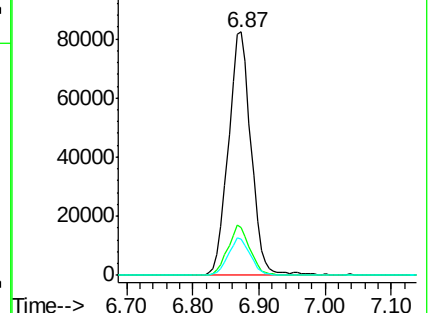
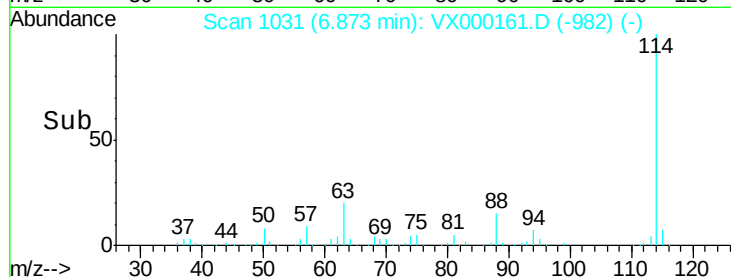
88 15.1 0.0 29.0



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: 46.21 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX000161.D

Acq: 28 Feb 2018 11:53

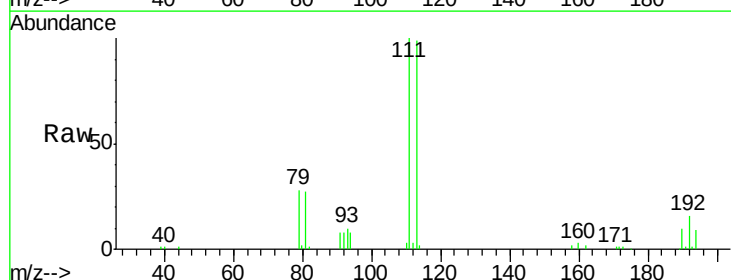
Tgt Ion:113 Resp: 57313

Ion Ratio Lower Upper

113 100

111 101.5 81.0 121.6

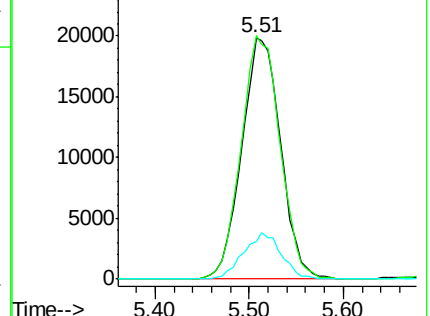
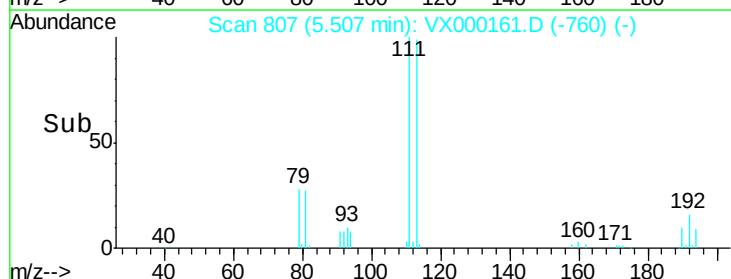
192 18.6 15.7 23.5

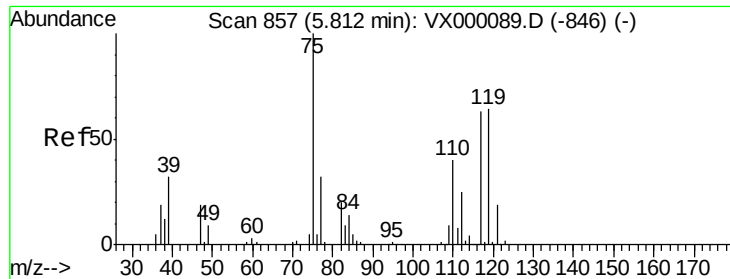


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

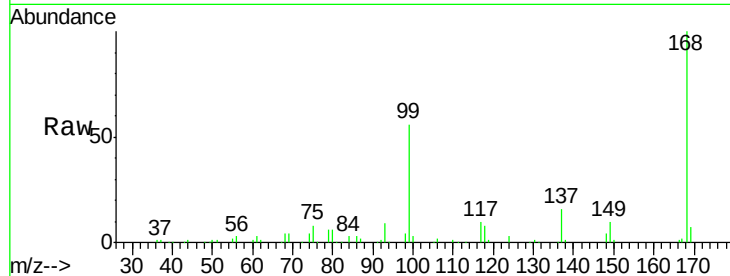




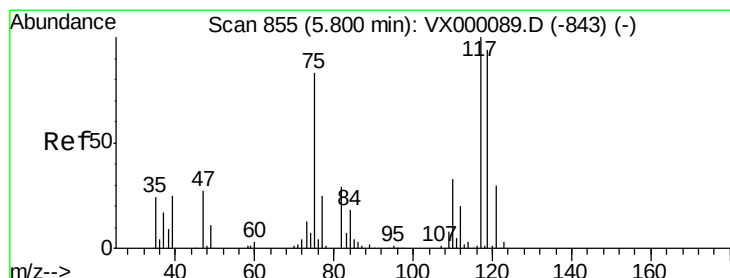
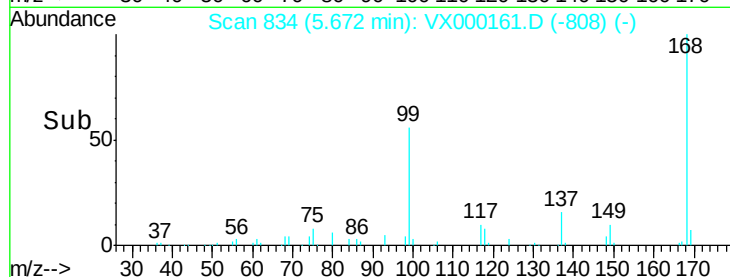
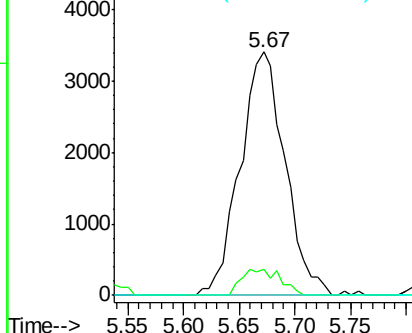
#36
 1,1-Dichloropropene
 Concen: 5.41 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000161.D
 Acq: 28 Feb 2018 11:53

Instrument :
 MSVOA_X
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 VX0228WBL01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	19.5	58.5#
77	0.0	24.7	37.1#

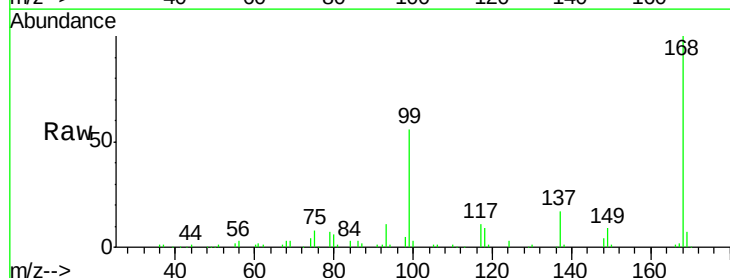


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

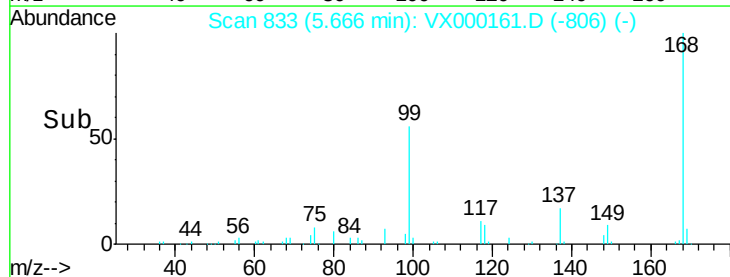
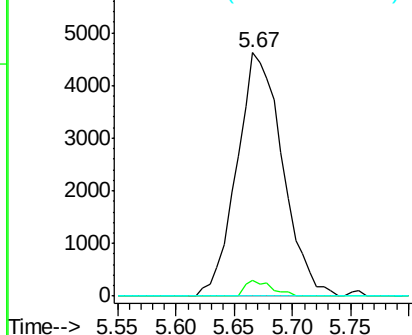


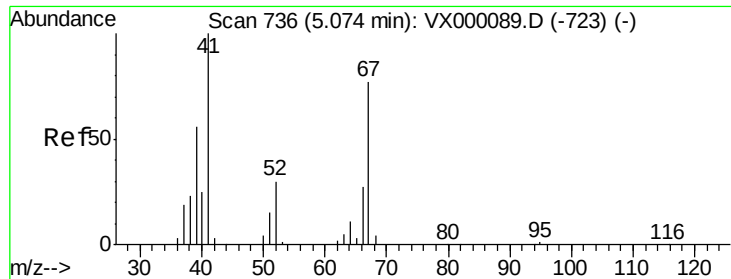
#38
 Carbon Tetrachloride
 Concen: 6.60 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX000161.D
 Acq: 28 Feb 2018 11:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	75.3	112.9#
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

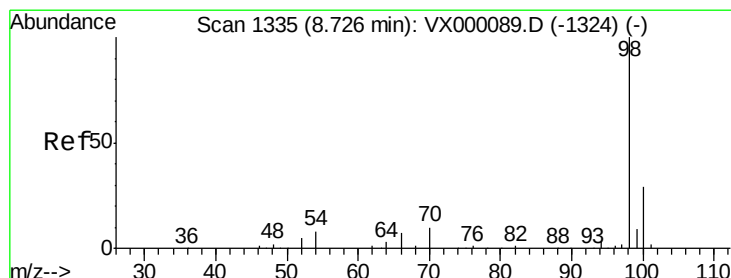
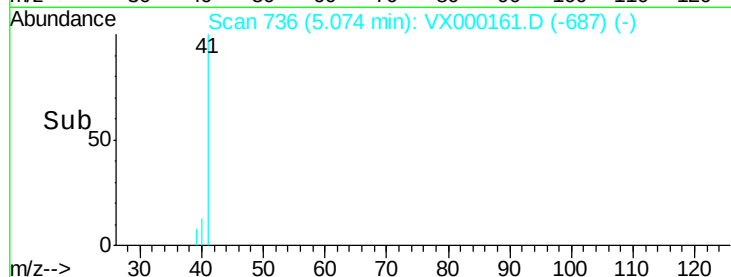
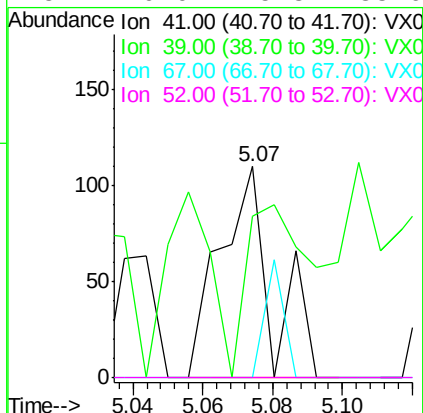
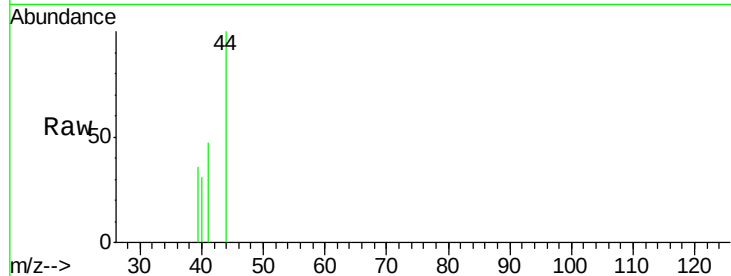




#41
Methacrylonitrile
Concen: Below Cal
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX000161.D
Acq: 28 Feb 2018 11:53

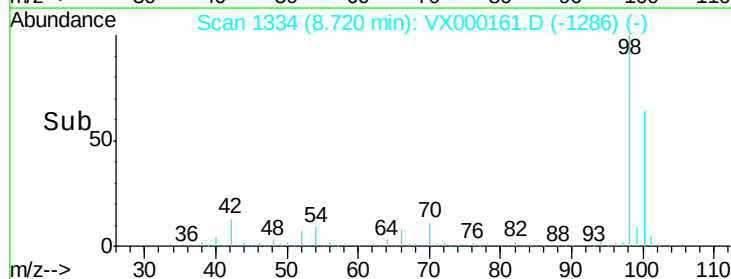
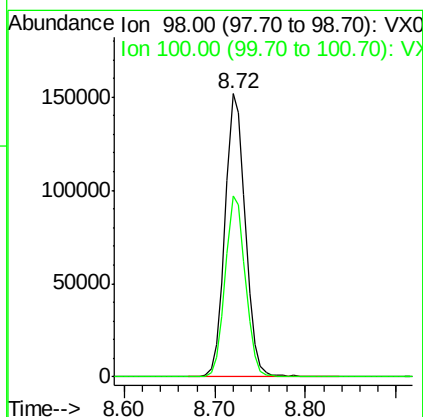
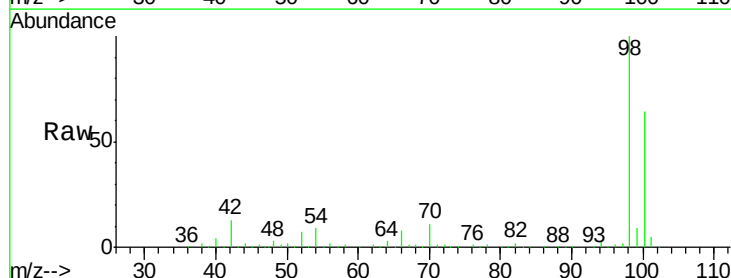
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBL01

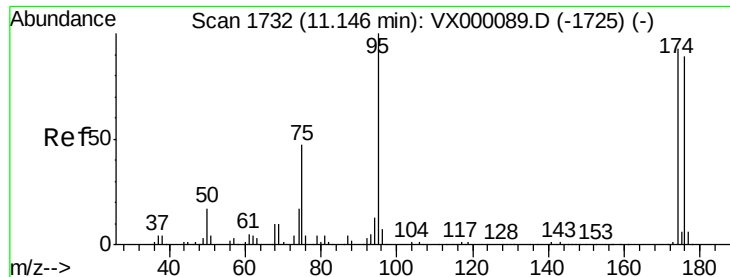
Tgt Ion:	41	Resp:	113
Ion	Ratio	Lower	Upper
41	100		
39	96.5	45.1	67.7#
67	19.5	61.0	91.4#
52	0.0	25.8	38.6#



#50
Toluene-d8
Concen: 48.30 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.01 min
Lab File: VX000161.D
Acq: 28 Feb 2018 11:53

Tgt Ion:	98	Resp:	236339
Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.2	78.2





#62

4-Bromofluorobenzene

Concen: 43.64 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000161.D

Acq: 28 Feb 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBL01

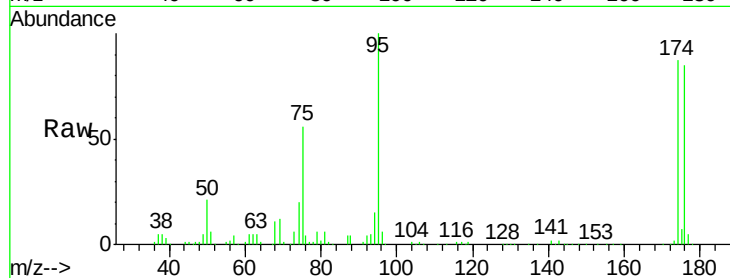
Tgt Ion: 95 Resp: 83723

Ion Ratio Lower Upper

95 100

174 83.2 0.0 187.8

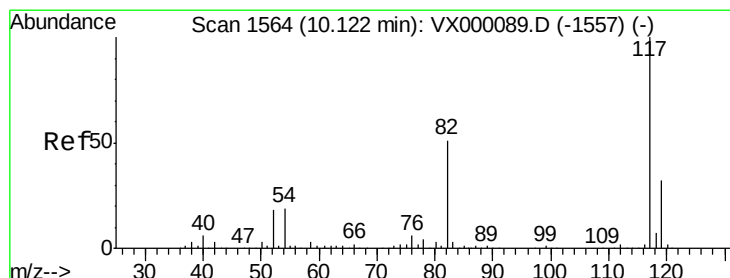
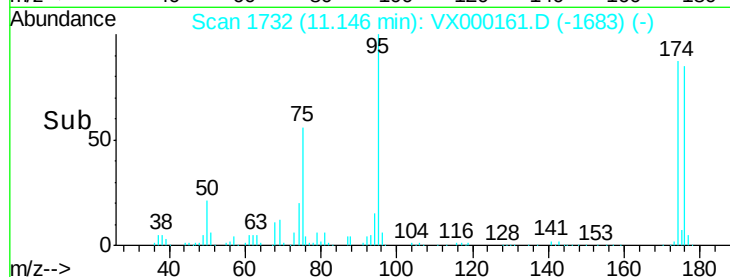
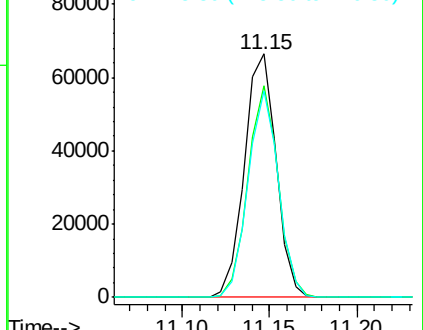
176 81.5 0.0 181.2



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# 1564

Delta R.T. 0.00 min

Lab File: VX000161.D

Acq: 28 Feb 2018 11:53

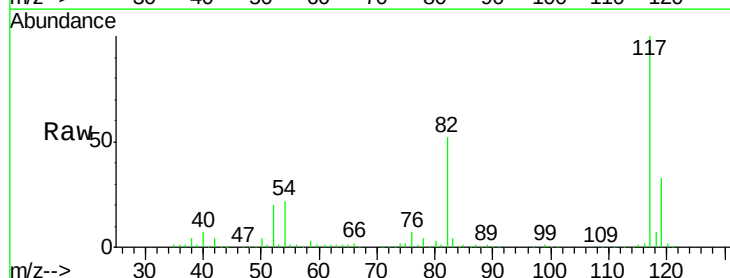
Tgt Ion: 117 Resp: 179935

Ion Ratio Lower Upper

117 100

82 52.3 41.0 61.6

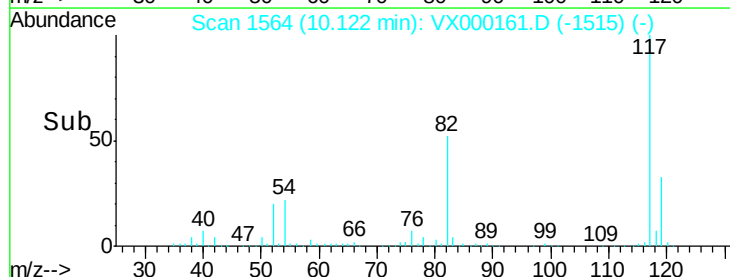
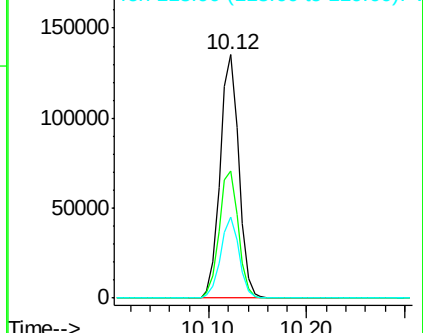
119 33.1 25.5 38.3

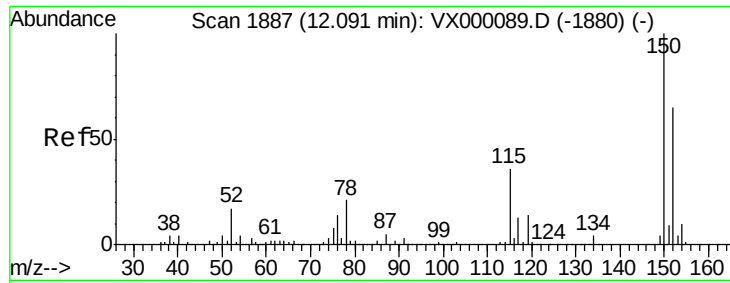


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX000161.D

Acq: 28 Feb 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBL01

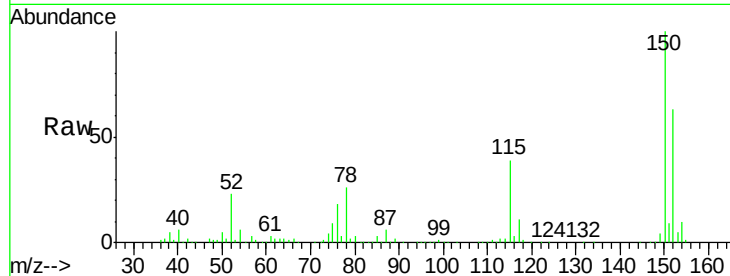
Tgt Ion:152 Resp: 90953

Ion Ratio Lower Upper

152 100

115 59.9 39.1 117.2

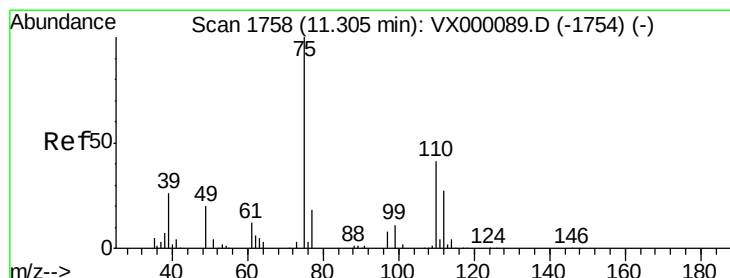
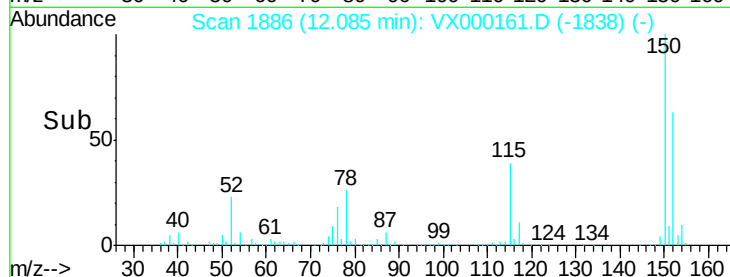
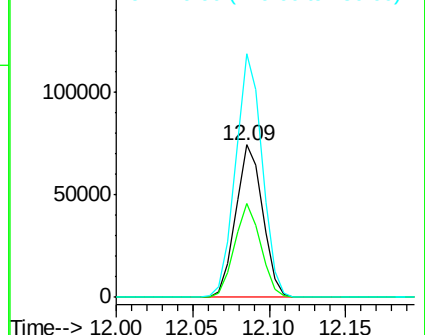
150 157.6 0.0 348.2



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: 24.81 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000161.D

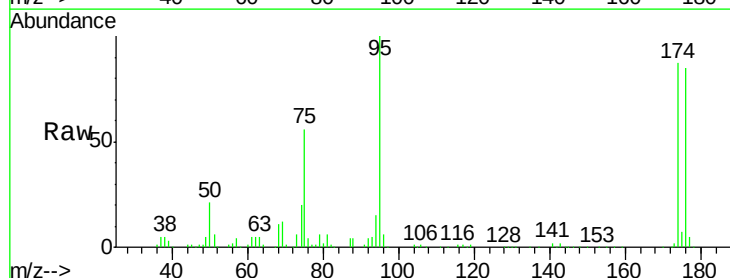
Acq: 28 Feb 2018 11:53

Tgt Ion: 75 Resp: 46744

Ion Ratio Lower Upper

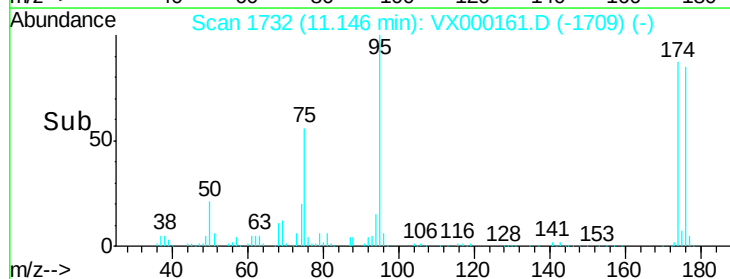
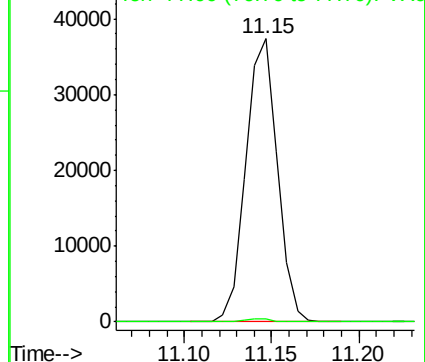
75 100

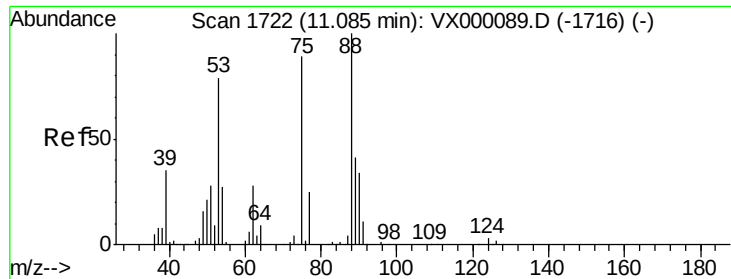
77 0.9 22.8 68.3#



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: 70.66 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000161.D

Acq: 28 Feb 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBL01

Tgt Ion: 75 Resp: 46744

Ion Ratio Lower Upper

75 100

53 0.0 72.3 108.5#

89 0.0 40.6 60.8#

