

Data File : VX000397.D

Acq On : 22 Mar 2018 11:16

Operator : JC/MD

Sample : VX0322WBL01

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBL01

Quant Time: Mar 23 05:40:37 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M

Quant Title : SW846 8260

QLast Update : Wed Mar 21 04:52:42 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	97705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	170614	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	165149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	76136	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	69936	54.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.66%	
35) Dibromofluoromethane	5.51	113	54215	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
50) Toluene-d8	8.72	98	217500	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
62) 4-Bromofluorobenzene	11.15	95	70544	39.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.08%	

Target Compounds

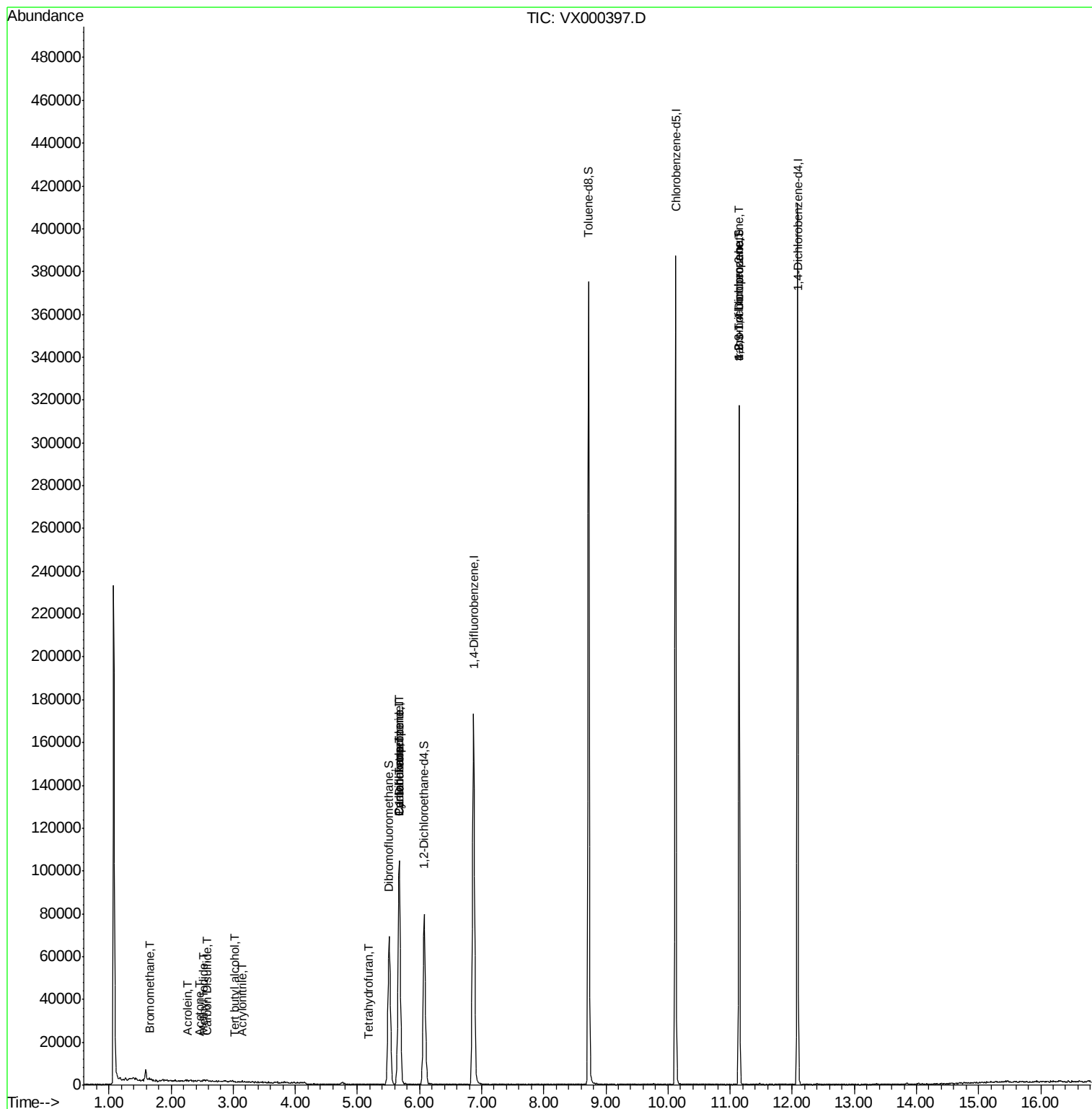
						Qvalue
5) Bromomethane	1.66	94	314	0.26	ug/l #	57
6) Chloroethane	1.70	64	21	Below	Cal #	44
10) Methyl Iodide	2.51	142	263	4.48	ug/l #	51
11) Tert butyl alcohol	3.03	59	90	0.21	ug/l #	72
13) Acrolein	2.26	56	26	14.75	ug/l	96
14) Allyl chloride	2.73	41	131	Below	Cal #	81
15) Acrylonitrile	3.15	53	262	0.29	ug/l #	61
16) Acetone	2.46	43	556	0.52	ug/l #	44
17) Carbon Disulfide	2.58	76	521	0.20	ug/l #	76
29) Tetrahydrofuran	5.18	42	168	0.23	ug/l #	63
31) Cyclohexane	5.67	56	2392	1.49	ug/l #	52
36) 1,1-Dichloropropene	5.67	75	7598	4.75	ug/l #	51
38) Carbon Tetrachloride	5.67	117	9791	5.84	ug/l #	15
74) N-amyl acetate	6.38	43	22	Below	Cal #	59
76) 1,2,3-Trichloropropane	11.15	75	39873	24.37	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	39873	78.89	ug/l #	9

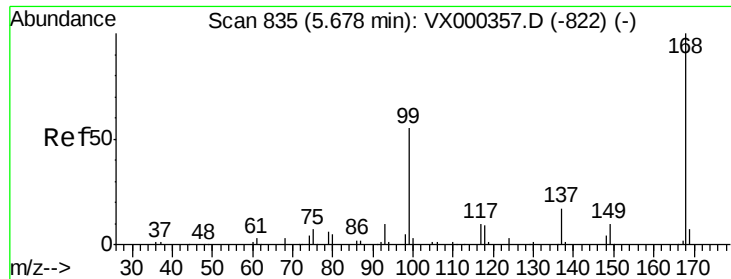
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VX000397.D
Acq On : 22 Mar 2018 11:16
Operator : JC/MD
Sample : VX0322WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBL01

Quant Time: Mar 23 05:40:37 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000397.D

Acq: 22 Mar 2018 11:16

Instrument :

MSVOA_X

ClientSampleId :

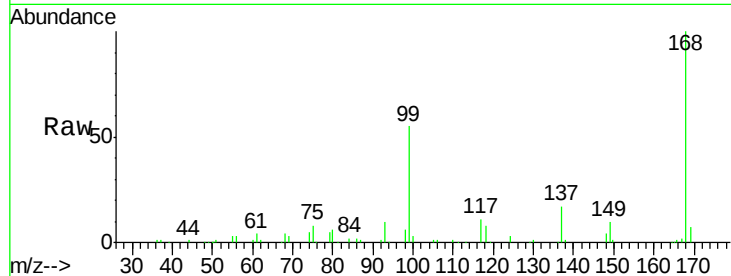
VX0322WBL01

Tgt Ion:168 Resp: 97705

Ion Ratio Lower Upper

168 100

99 54.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

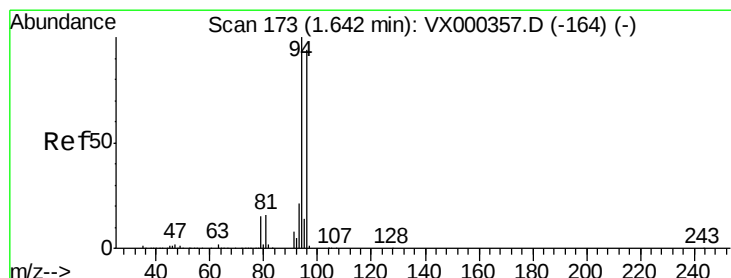
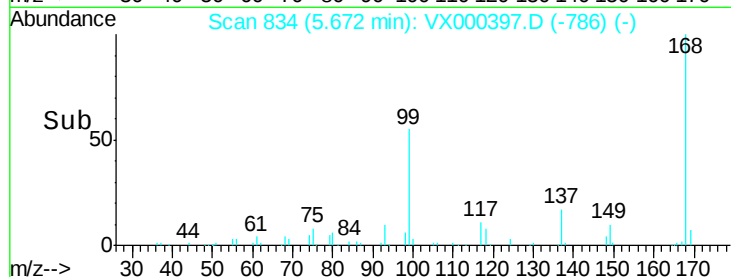
20000

10000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: 0.26 ug/l

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000397.D

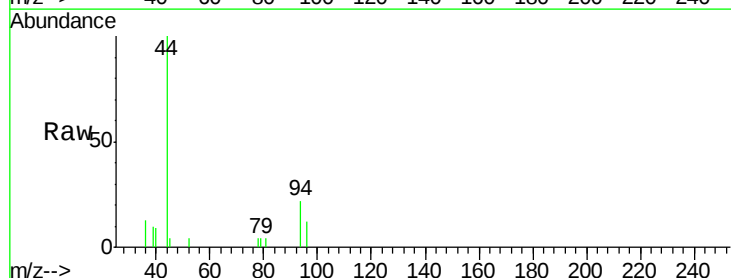
Acq: 22 Mar 2018 11:16

Tgt Ion: 94 Resp: 314

Ion Ratio Lower Upper

94 100

96 54.7 77.7 116.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

300

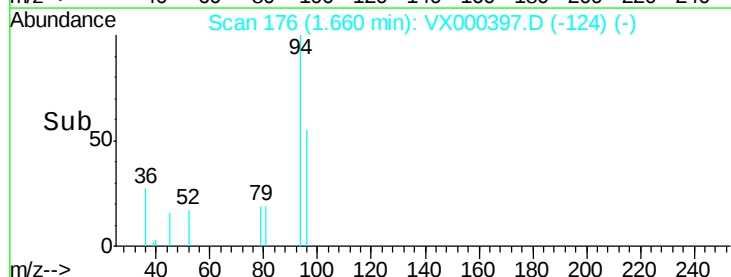
200

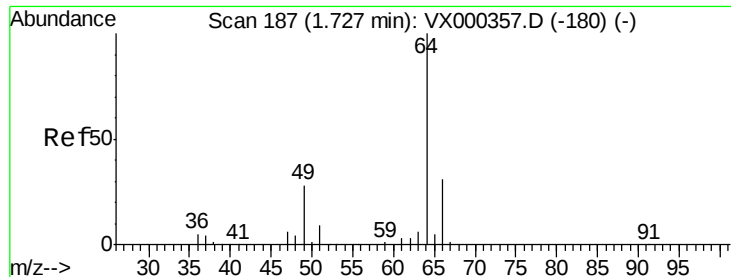
100

0

Time-->

1.62 1.64 1.66 1.68 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX000397.D

Acq: 22 Mar 2018 11:16

Instrument :

MSVOA_X

ClientSampleId :

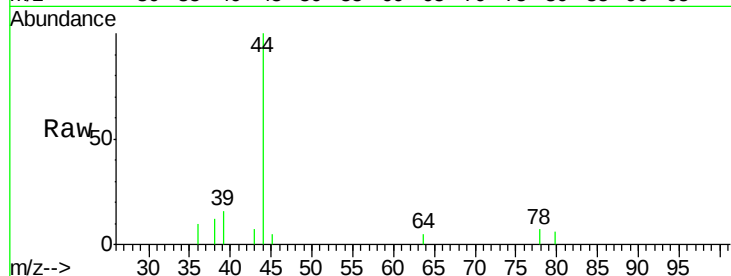
VX0322WBL01

Tgt Ion: 64 Resp: 21

Ion Ratio Lower Upper

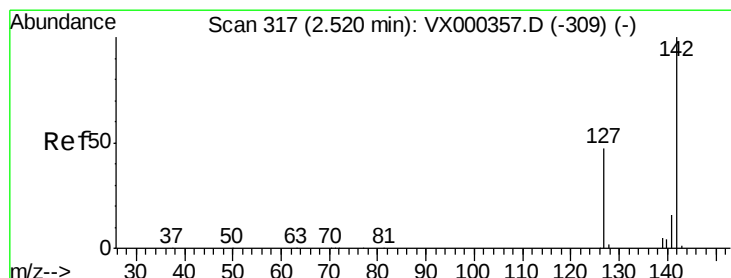
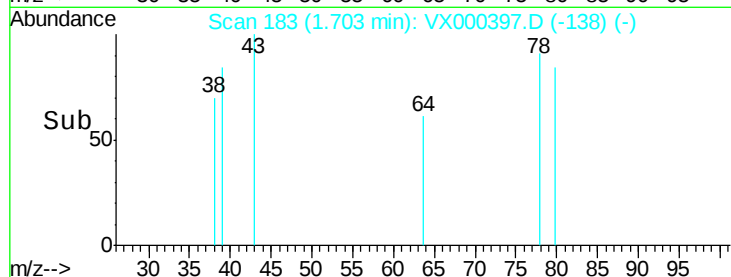
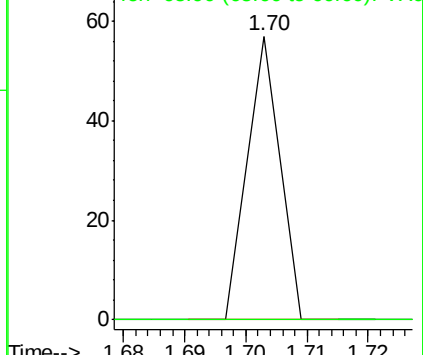
64 100

66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.48 ug/l

RT: 2.51 min Scan# 316

Delta R.T. -0.01 min

Lab File: VX000397.D

Acq: 22 Mar 2018 11:16

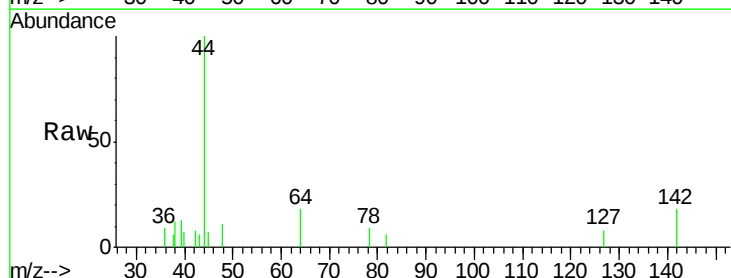
Tgt Ion: 142 Resp: 263

Ion Ratio Lower Upper

142 100

127 12.5 39.2 58.8#

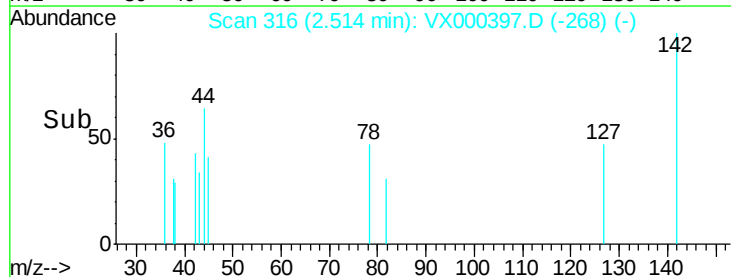
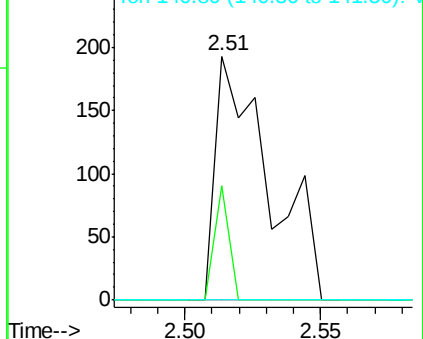
141 0.0 11.7 17.5#

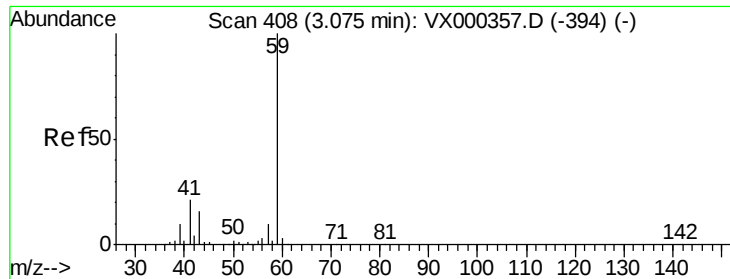


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

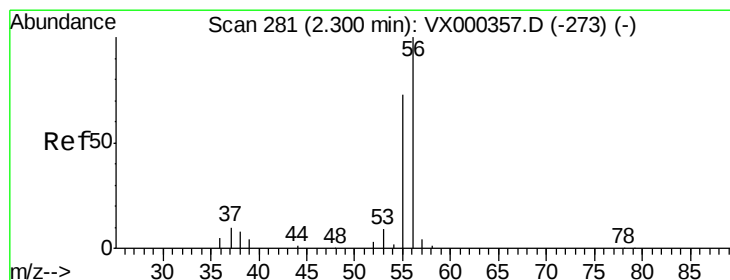
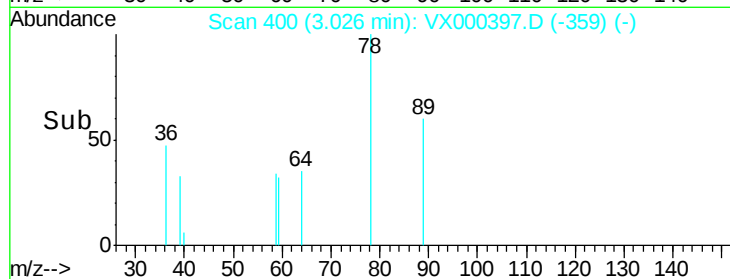
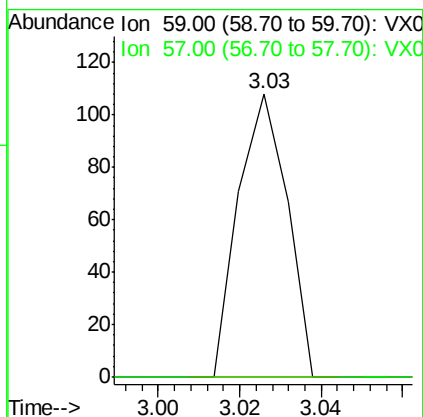
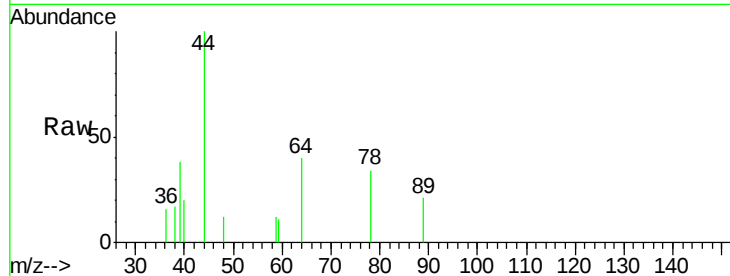




#11
Tert butyl alcohol
Concen: 0.21 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX000397.D
Acq: 22 Mar 2018 11:16

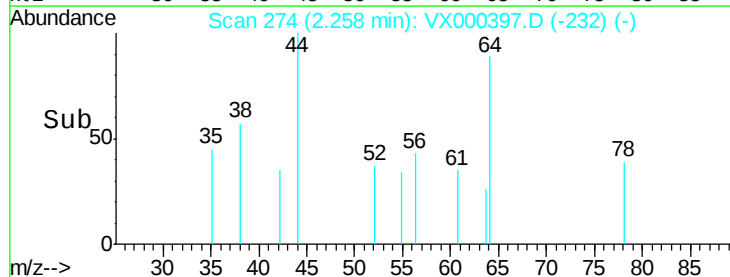
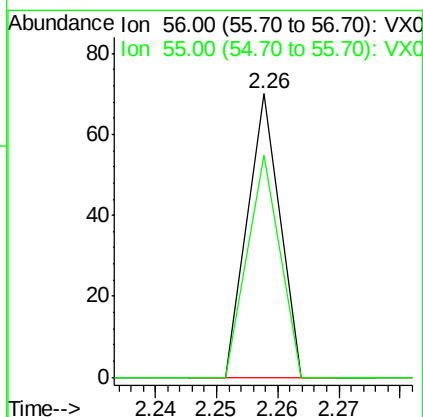
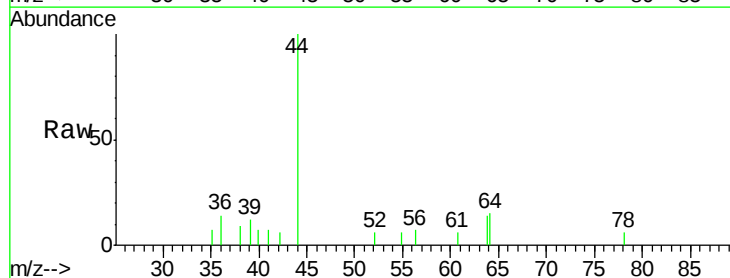
Instrument :
MSVOA_X
ClientSampleId :
VX0322WBL01

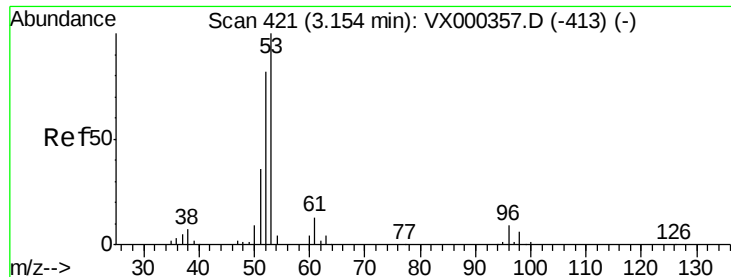
Tgt Ion: 59 Resp: 90
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#13
Acrolein
Concen: 14.75 ug/l
RT: 2.26 min Scan# 274
Delta R.T. -0.04 min
Lab File: VX000397.D
Acq: 22 Mar 2018 11:16

Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 76.9 58.8 88.2





#15

Acrylonitrile

Concen: 0.29 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000397.D

Acq: 22 Mar 2018 11:16

Instrument :

MSVOA_X

ClientSampled :

VX0322WBL01

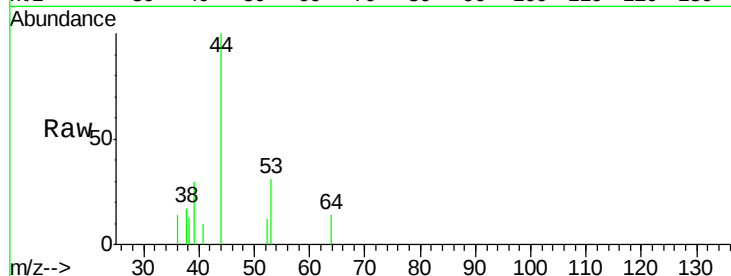
Tgt Ion: 53 Resp: 262

Ion Ratio Lower Upper

53 100

52 109.9 66.6 99.8#

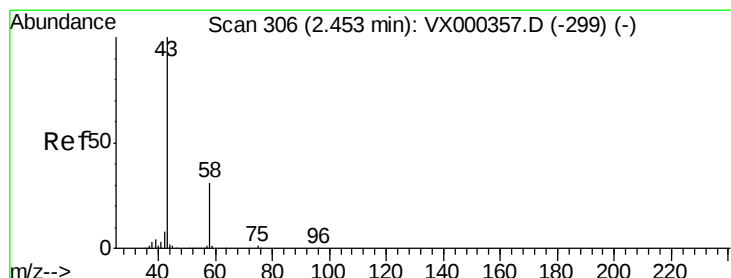
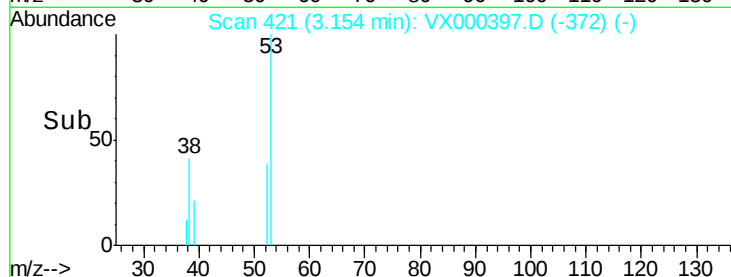
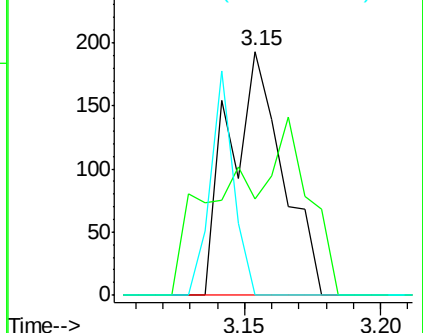
51 0.0 29.3 43.9#



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



#16

Acetone

Concen: 0.52 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX000397.D

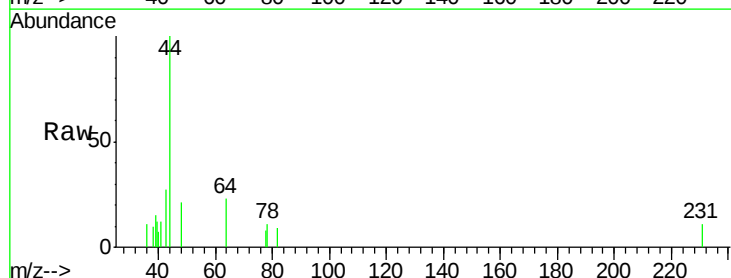
Acq: 22 Mar 2018 11:16

Tgt Ion: 43 Resp: 556

Ion Ratio Lower Upper

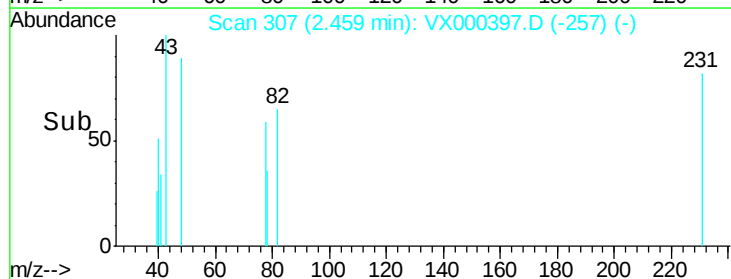
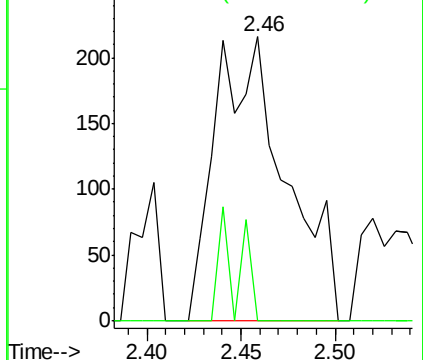
43 100

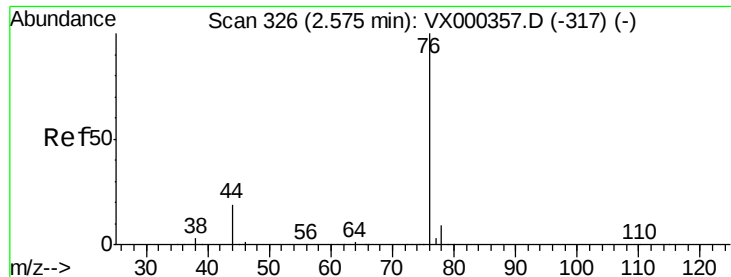
58 0.0 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.20 ug/l

RT: 2.58 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX000397.D

Acq: 22 Mar 2018 11:16

Instrument :

MSVOA_X

ClientSampled :

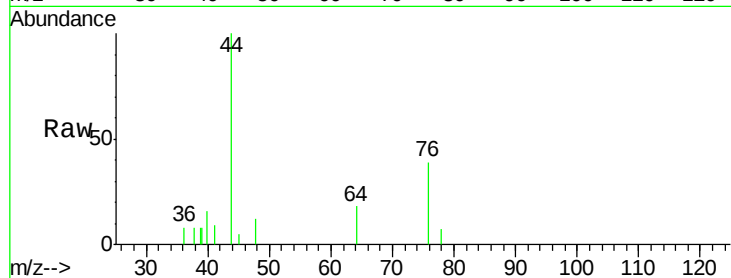
VX0322WBL01

Tgt Ion: 76 Resp: 521

Ion Ratio Lower Upper

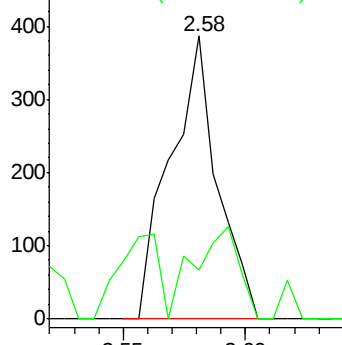
76 100

78 17.3 7.0 10.6#

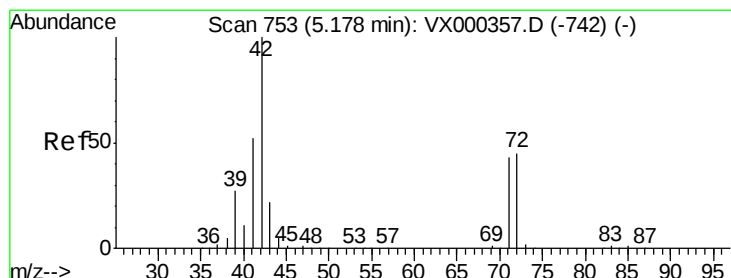
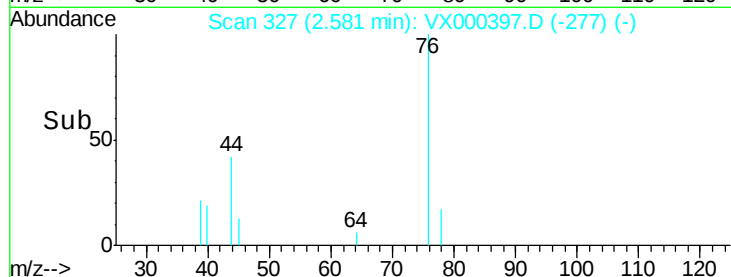


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.23 ug/l

RT: 5.18 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX000397.D

Acq: 22 Mar 2018 11:16

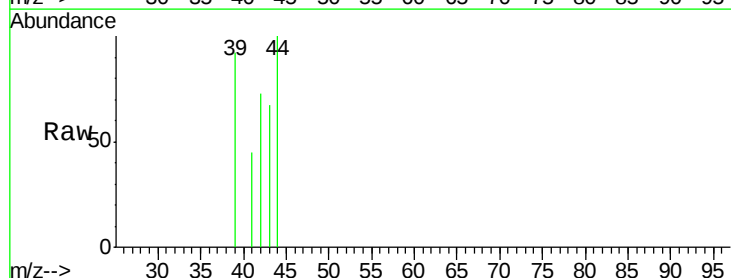
Tgt Ion: 42 Resp: 168

Ion Ratio Lower Upper

42 100

72 26.8 37.9 56.9#

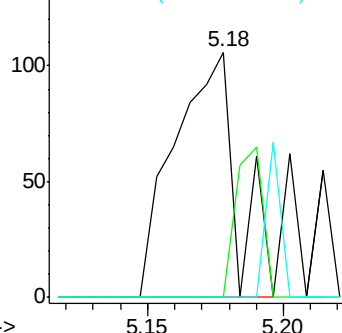
71 14.9 34.4 51.6#



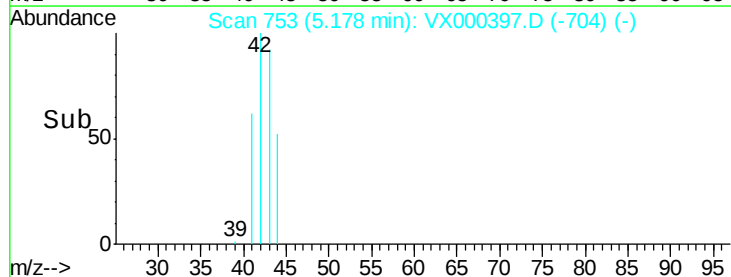
Abundance Ion 42.00 (41.70 to 42.70): VX0

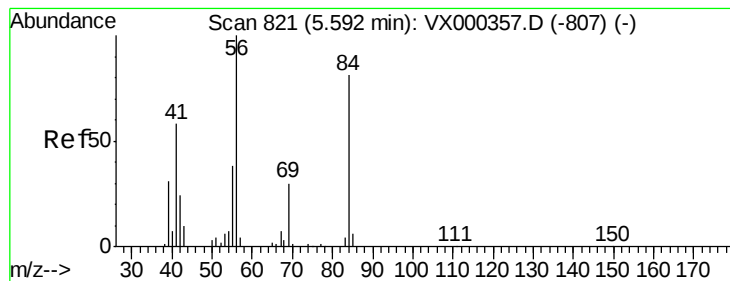
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->





#31

Cyclohexane

Concen: 1.49 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.08 min

Lab File: VX000397.D

Acq: 22 Mar 2018 11:16

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBL01

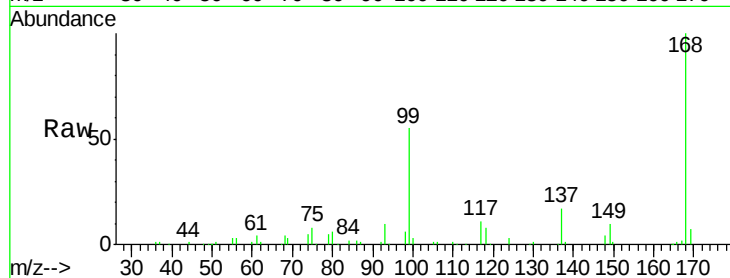
Tgt Ion: 56 Resp: 2392

Ion Ratio Lower Upper

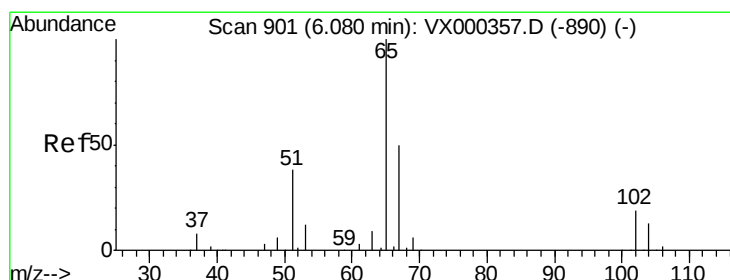
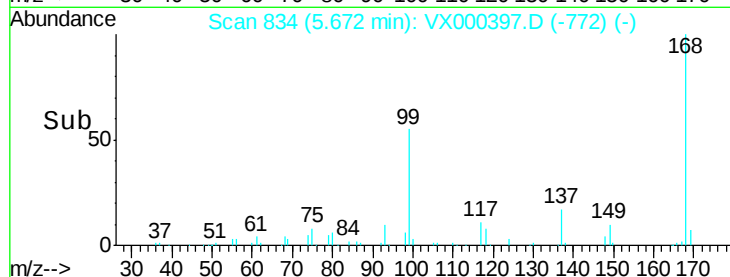
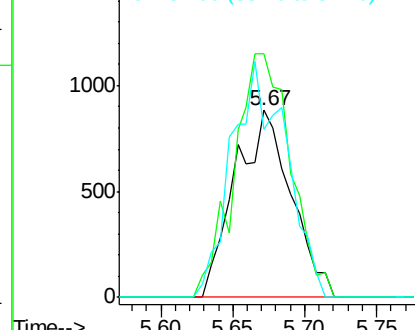
56 100

69 130.2 23.4 35.0#

84 90.1 71.0 106.4



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: 54.83 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000397.D

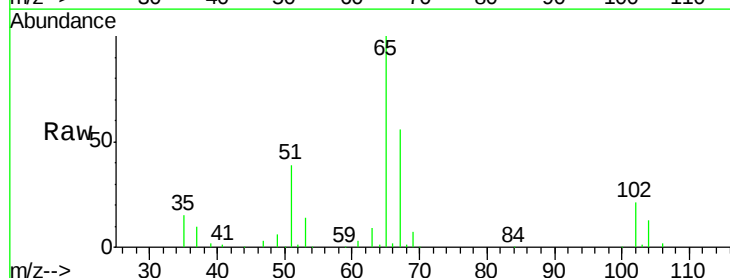
Acq: 22 Mar 2018 11:16

Tgt Ion: 65 Resp: 69936

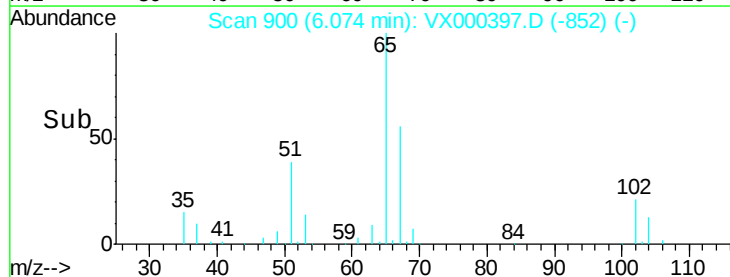
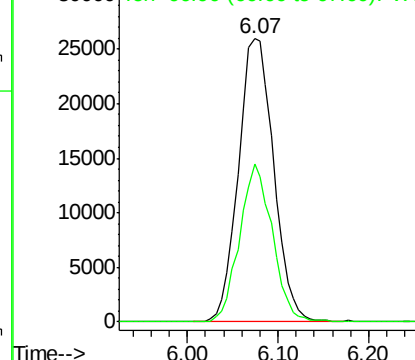
Ion Ratio Lower Upper

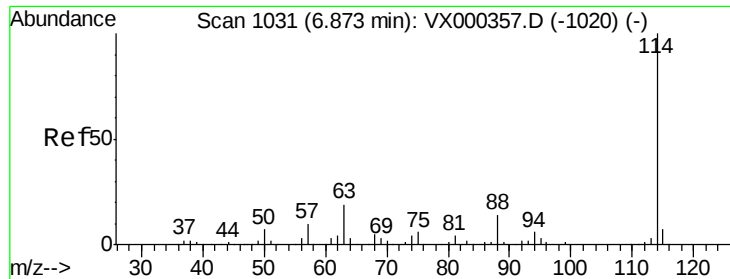
65 100

67 51.7 0.0 103.2



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# 1030

Delta R.T. -0.01 min

Lab File: VX000397.D

Acq: 22 Mar 2018 11:16

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBL01

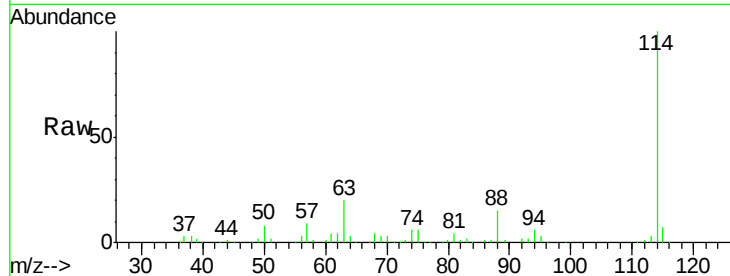
Tgt Ion:114 Resp: 170614

Ion Ratio Lower Upper

114 100

63 20.5 0.0 38.4

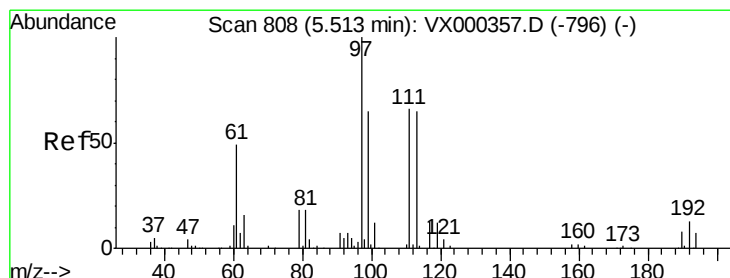
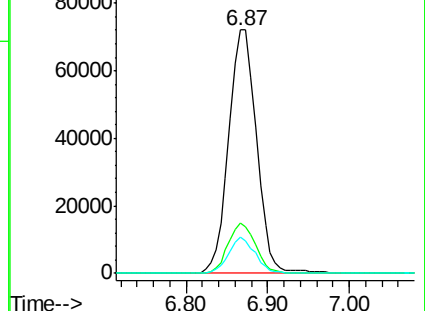
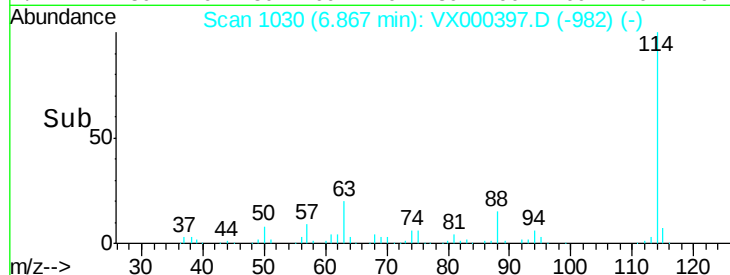
88 14.6 0.0 27.0



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: 50.43 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000397.D

Acq: 22 Mar 2018 11:16

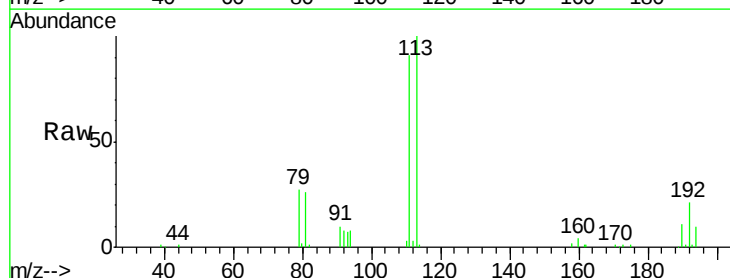
Tgt Ion:113 Resp: 54215

Ion Ratio Lower Upper

113 100

111 101.0 82.4 123.6

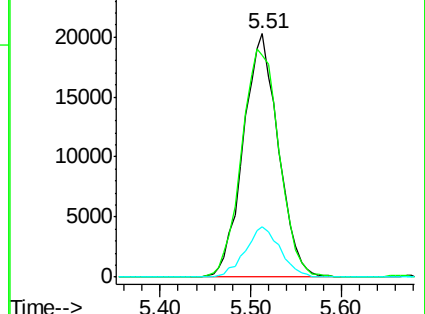
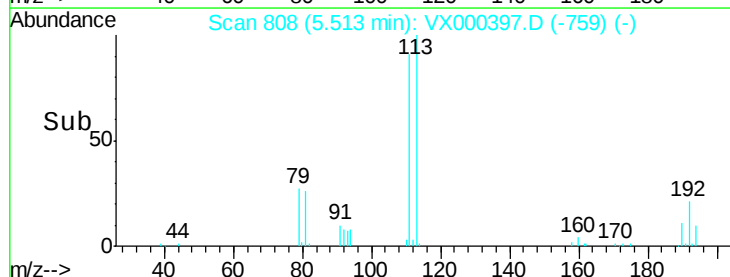
192 20.5 15.8 23.6

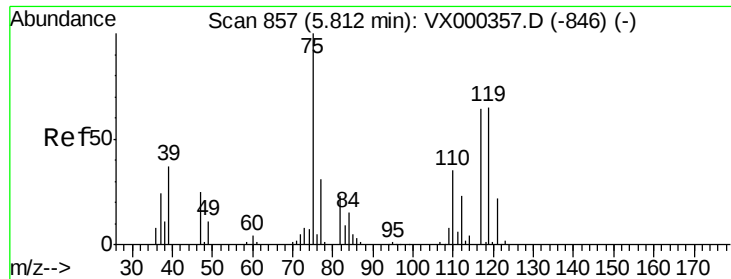


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

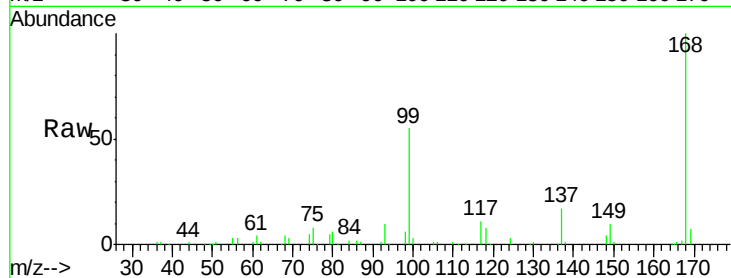




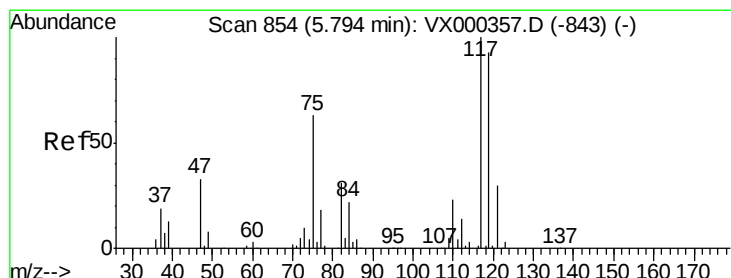
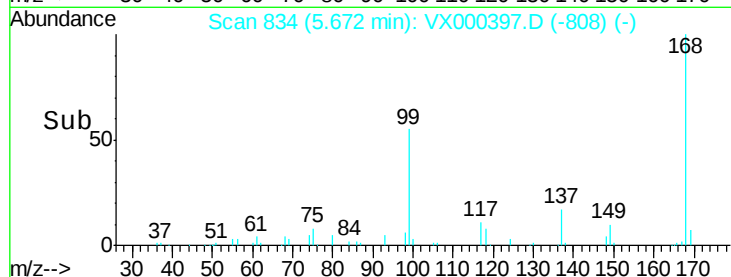
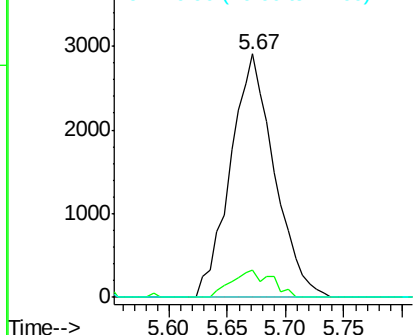
#36
 1,1-Dichloropropene
 Concen: 4.75 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000397.D
 Acq: 22 Mar 2018 11:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBL01

Tgt Ion: 75 Resp: 7598
 Ion Ratio Lower Upper
 75 100
 110 10.3 17.9 53.7#
 77 0.0 24.0 36.0#

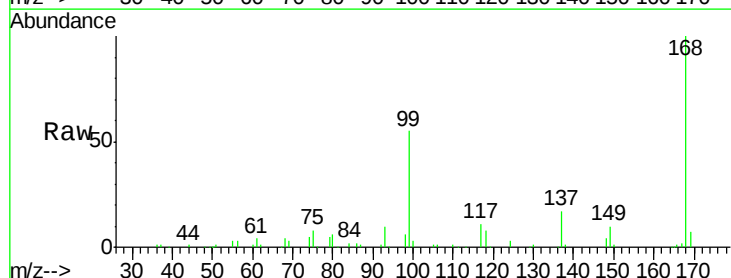


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

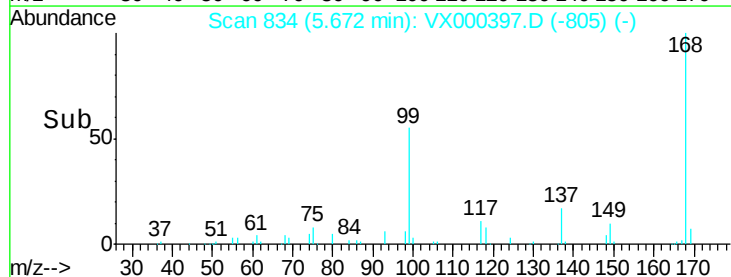
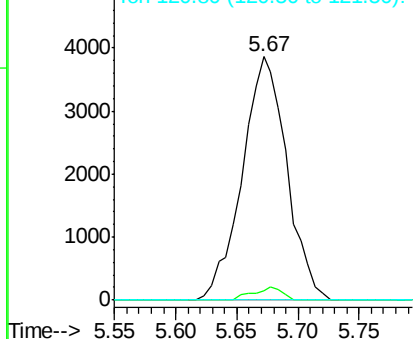


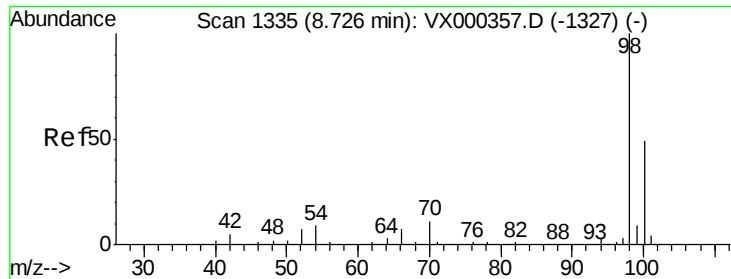
#38
 Carbon Tetrachloride
 Concen: 5.84 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000397.D
 Acq: 22 Mar 2018 11:16

Tgt Ion: 117 Resp: 9791
 Ion Ratio Lower Upper
 117 100
 119 3.8 77.4 116.2#
 121 0.0 24.8 37.2#



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. -0.01 min

Lab File: VX000397.D

Acq: 22 Mar 2018 11:16

Instrument :

MSVOA_X

ClientSampleId :

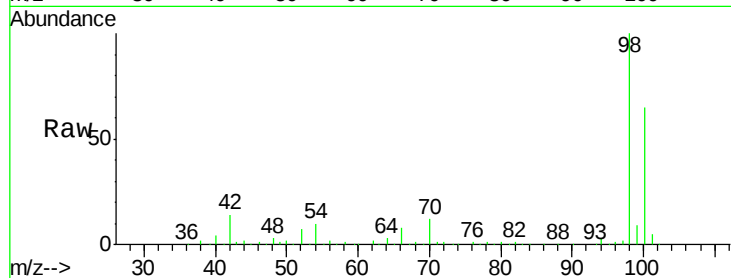
VX0322WBL01

Tgt Ion: 98 Resp: 217500

Ion Ratio Lower Upper

98 100

100 63.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

150000

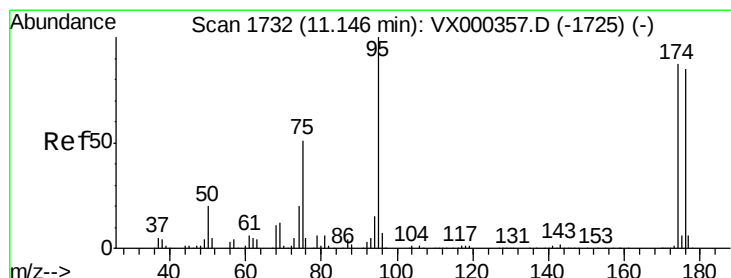
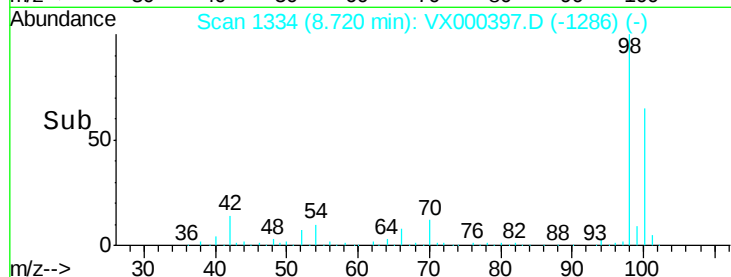
100000

50000

0

8.65 8.70 8.75 8.80 8.85

Time-->



#62

4-Bromofluorobenzene

Concen: 39.04 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000397.D

Acq: 22 Mar 2018 11:16

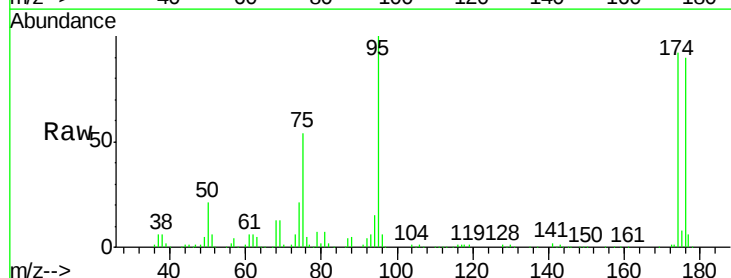
Tgt Ion: 95 Resp: 70544

Ion Ratio Lower Upper

95 100

174 88.7 0.0 173.6

176 87.1 0.0 164.6



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

60000

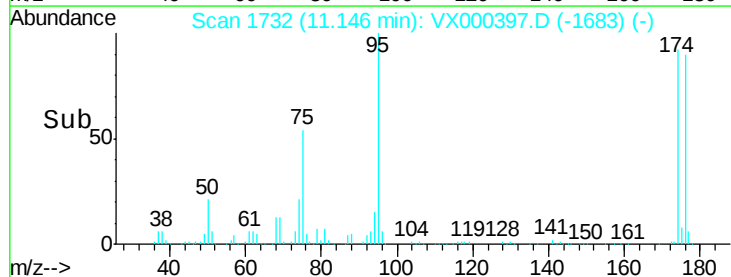
40000

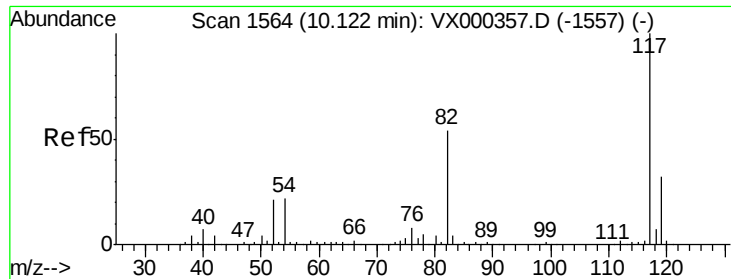
20000

0

11.10 11.15 11.20

Time-->

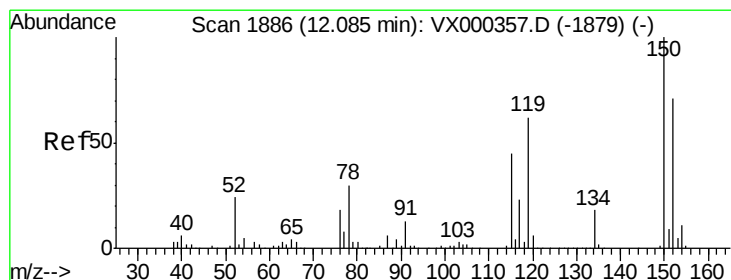
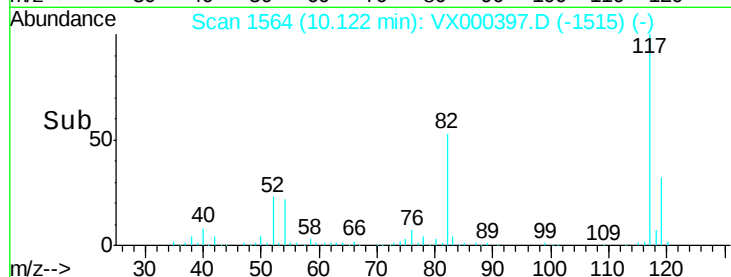
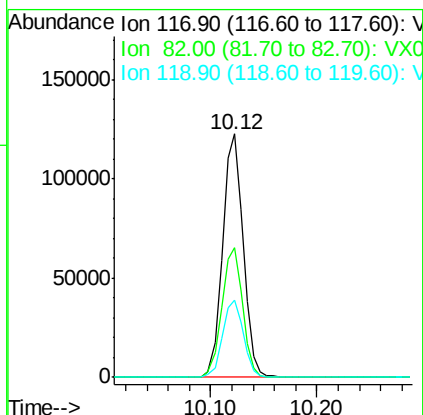
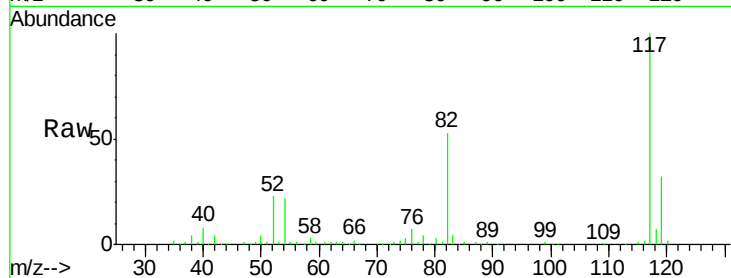




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000397.D
Acq: 22 Mar 2018 11:16

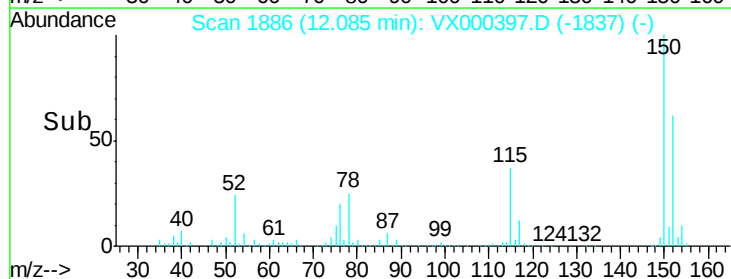
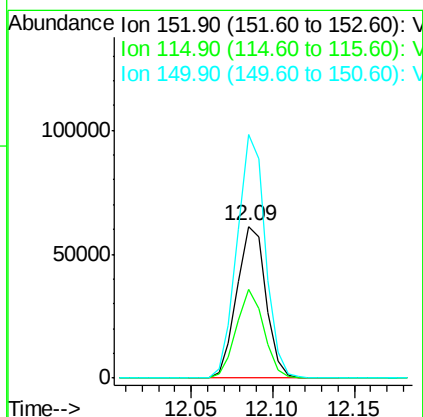
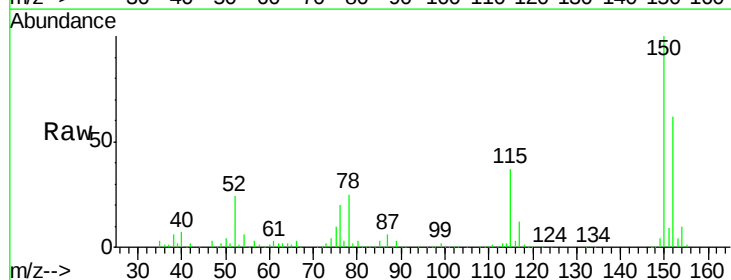
Instrument :
MSVOA_X
ClientSampleId :
VX0322WBL01

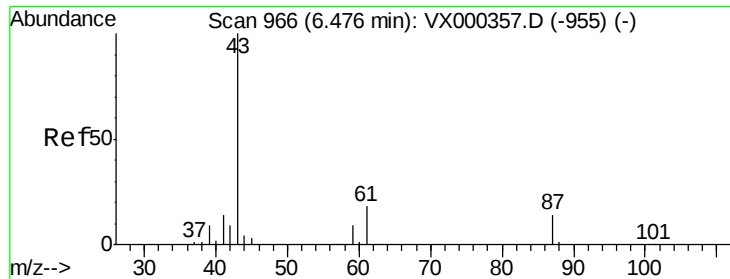
Tgt Ion:117 Resp: 165149
Ion Ratio Lower Upper
117 100
82 53.2 43.8 65.8
119 31.6 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000397.D
Acq: 22 Mar 2018 11:16

Tgt Ion:152 Resp: 76136
Ion Ratio Lower Upper
152 100
115 55.6 39.8 119.3
150 156.3 0.0 344.4





#74

N-amyI acetate

Concen: Below Cal

RT: 6.38 min Scan# 951

Delta R.T. -0.09 min

Lab File: VX000397.D

Acq: 22 Mar 2018 11:16

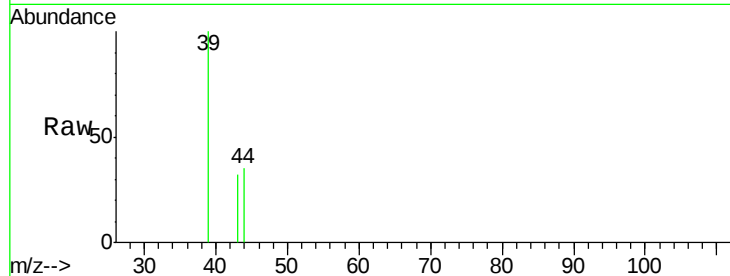
Instrument :

MSVOA_X

ClientSampleId :

VX0322WBL01

Tgt Ion:	43	Resp:	22
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	0.0	14.4	21.6#

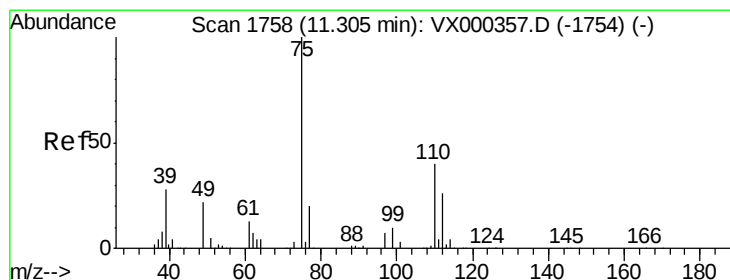
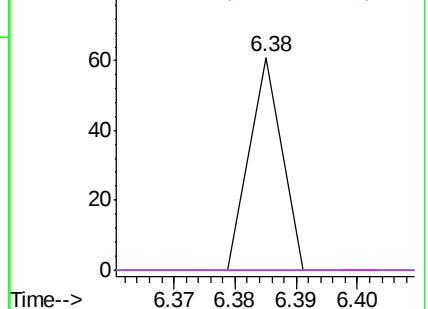
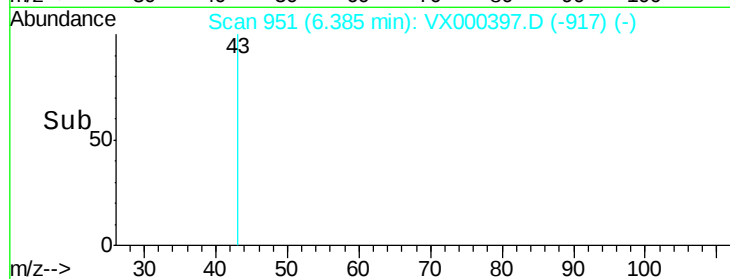


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 24.37 ug/l

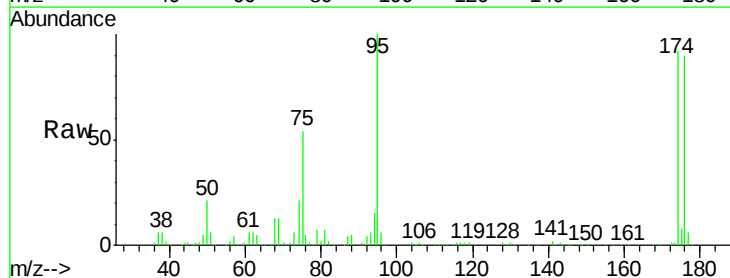
RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000397.D

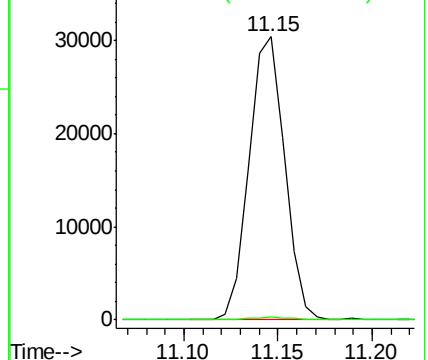
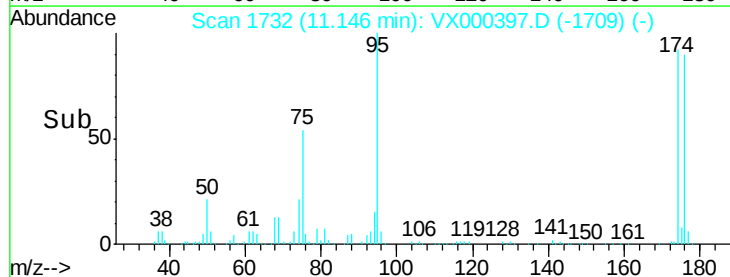
Acq: 22 Mar 2018 11:16

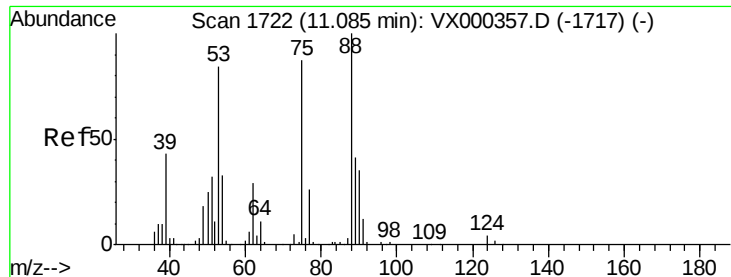
Tgt Ion:	75	Resp:	39873
Ion	Ratio	Lower	Upper
75	100		
77	1.2	21.4	64.2#



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: 78.89 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000397.D

Acq: 22 Mar 2018 11:16

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBL01

Tgt Ion: 75 Resp: 39873

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.1 39.4 59.0#

