

Data File : VX001364.D
Acq On : 03 May 2018 17:29
Operator : JC/MD
Sample : J2706-06 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
003

Quant Time: May 04 07:14:34 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
Quant Title : SW846 8260
QLast Update : Wed May 02 01:48:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	152985	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	218595	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	195697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	98114	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	82777	39.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.18%	
35) Dibromofluoromethane	5.52	113	68628	36.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.88%	
50) Toluene-d8	8.73	98	256314	38.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.20%	
62) 4-Bromofluorobenzene	11.15	95	82675	30.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.46%	

Target Compounds			Qvalue			
5) Bromomethane	1.66	94	518	Below Cal	#	42
10) Methyl Iodide	2.52	142	555	4.60	ug/l #	80
11) Tert butyl alcohol	3.07	59	147	0.40	ug/l #	74
13) Acrolein	2.32	56	70	0.33	ug/l #	1
15) Acrylonitrile	3.14	53	317	0.38	ug/l #	28
16) Acetone	2.45	43	4402	4.87	ug/l #	89
18) Methyl Acetate	2.79	43	3707	1.74	ug/l	96
20) Methylene Chloride	2.86	84	26395	15.07	ug/l	97
25) 2-Butanone	4.73	43	1559	1.28	ug/l	92
29) Tetrahydrofuran	5.19	42	486	0.65	ug/l #	57
30) Chloroform	5.24	83	645	0.21	ug/l	84
31) Cyclohexane	5.67	56	2687	1.03	ug/l #	26
36) 1,1-Dichloropropene	5.67	75	9849	3.90	ug/l #	50
38) Carbon Tetrachloride	5.67	117	13189	4.99	ug/l #	17
76) 1,2,3-Trichloropropane	11.15	75	42519	23.44	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.15	75	42519	73.99	ug/l #	6
95) Naphthalene	13.84	128	2608	0.36	ug/l	96

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

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ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
003

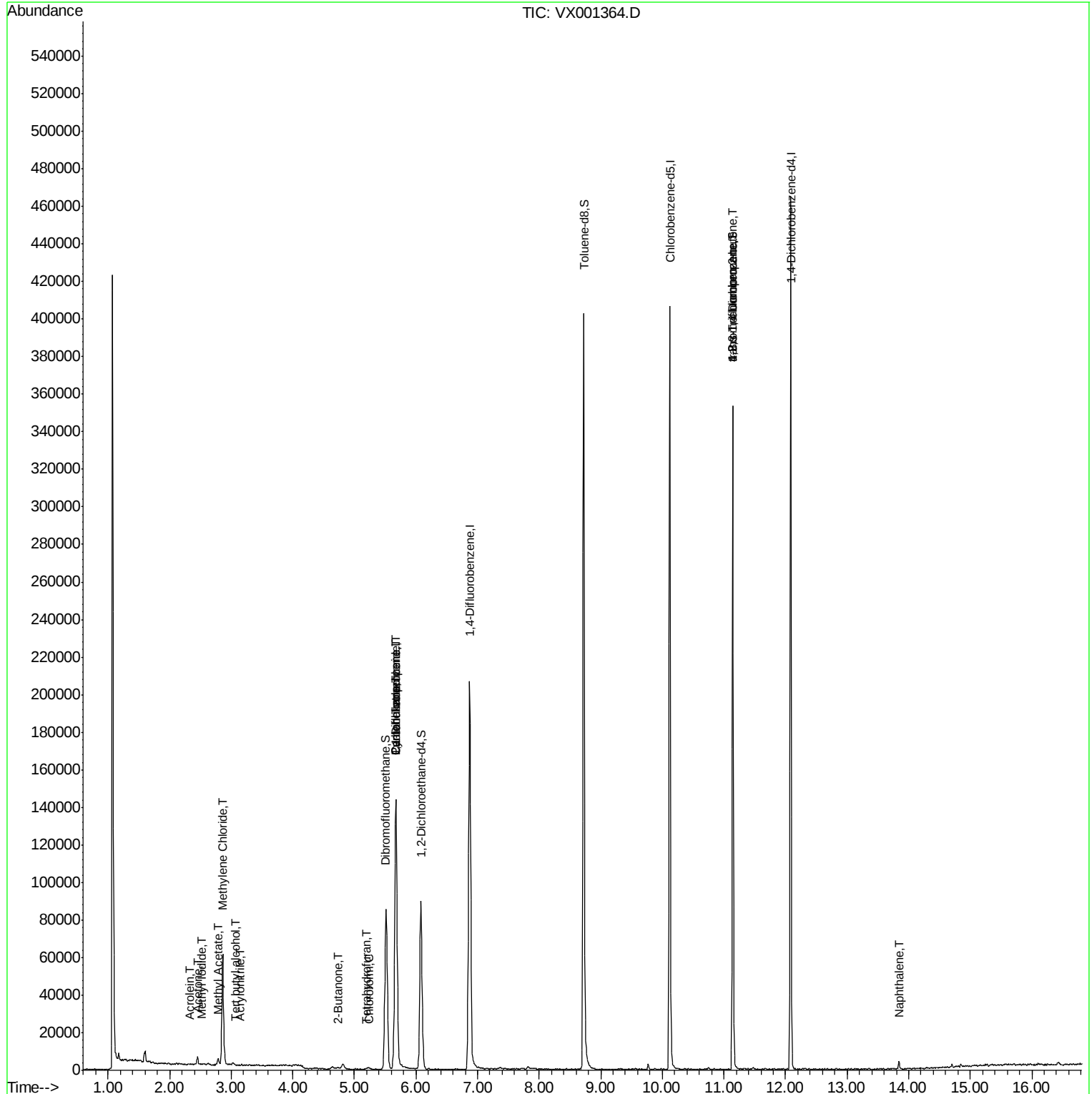
Quant Time: May 04 07:14:34 2018

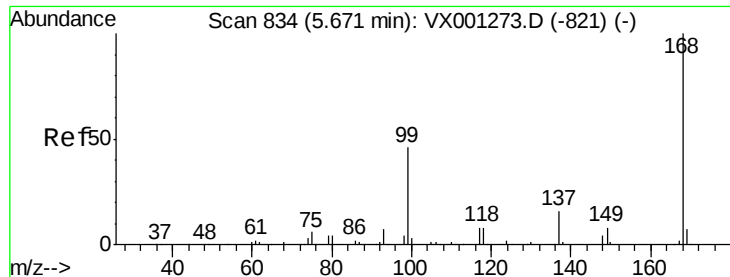
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M

Quant Title : SW846 8260

QLast Update : Wed May 02 01:48:25 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001364.D

Acq: 03 May 2018 17:29

Instrument :

MSVOA_X

ClientSampleId :

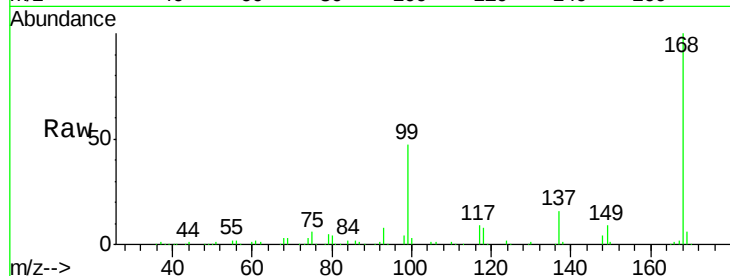
003

Tgt Ion:168 Resp: 152985

Ion Ratio Lower Upper

168 100

99 47.2 36.5 54.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

30000

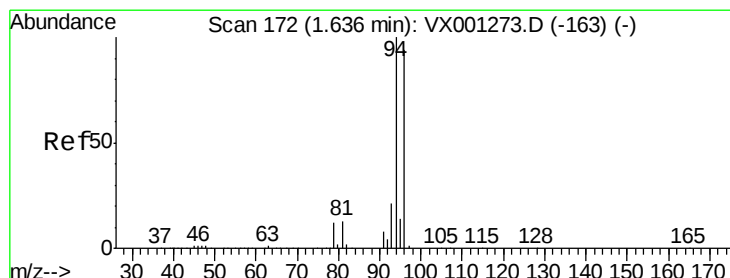
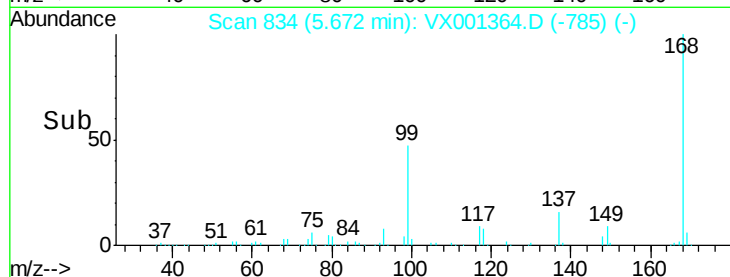
20000

10000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001364.D

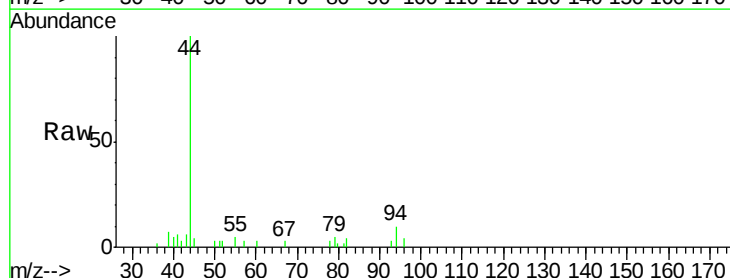
Acq: 03 May 2018 17:29

Tgt Ion: 94 Resp: 518

Ion Ratio Lower Upper

94 100

96 38.4 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

250

200

150

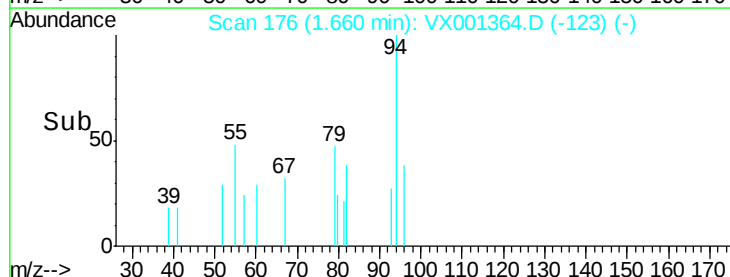
100

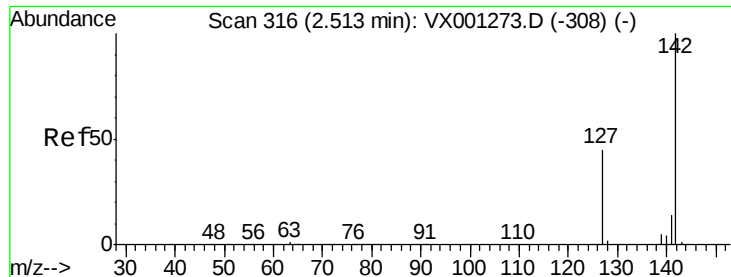
50

0

Time-->

1.60 1.65 1.70

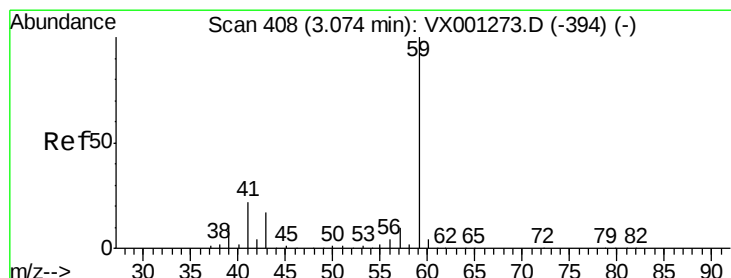
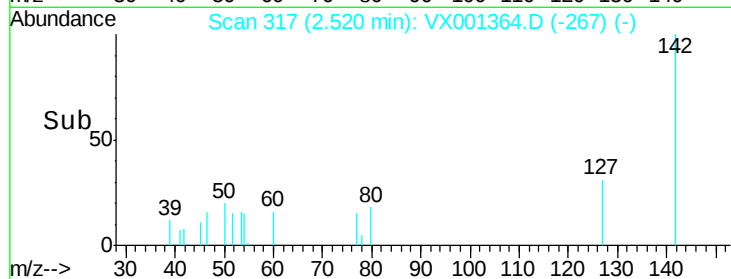
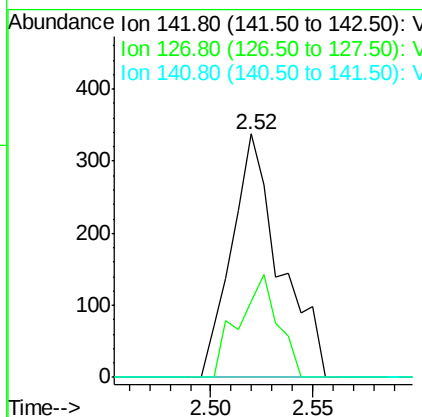
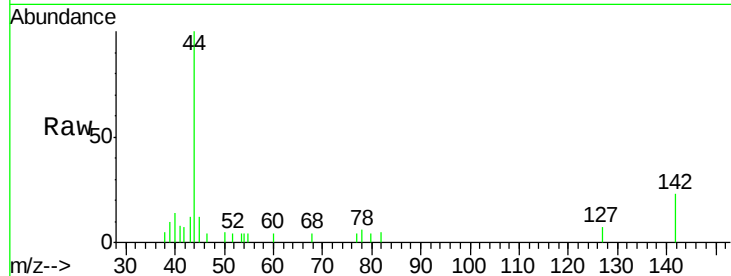




#10
Methyl Iodide
Concen: 4.60 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001364.D
Acq: 03 May 2018 17:29

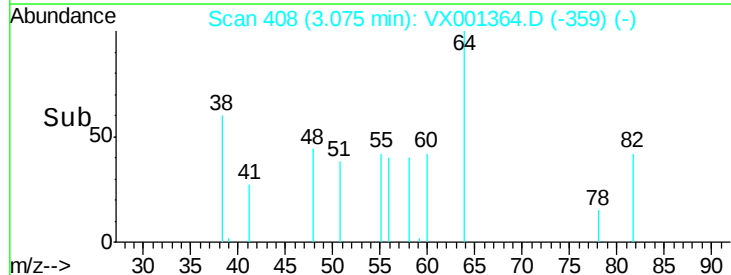
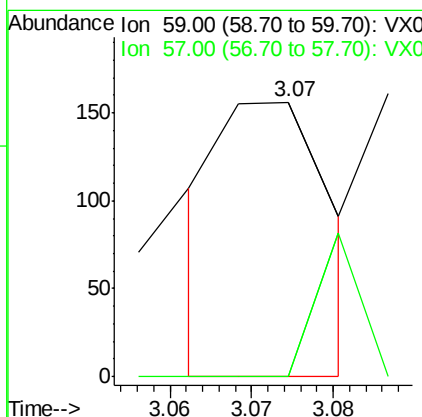
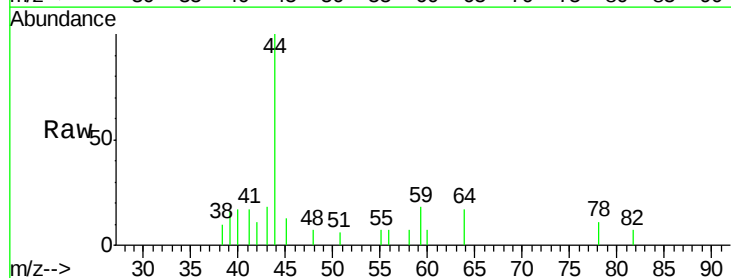
Instrument :
MSVOA_X
ClientSampleId :
003

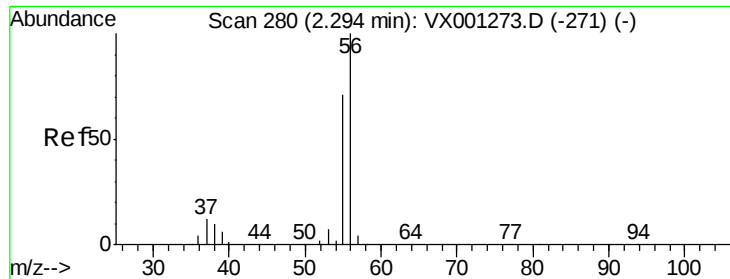
Tgt Ion: 142 Resp: 555
Ion Ratio Lower Upper
142 100
127 34.6 35.7 53.5#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.40 ug/l
RT: 3.07 min Scan# 408
Delta R.T. 0.00 min
Lab File: VX001364.D
Acq: 03 May 2018 17:29

Tgt Ion: 59 Resp: 147
Ion Ratio Lower Upper
59 100
57 20.4 8.6 12.8#

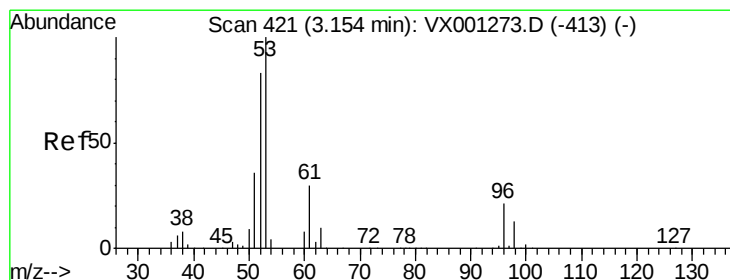
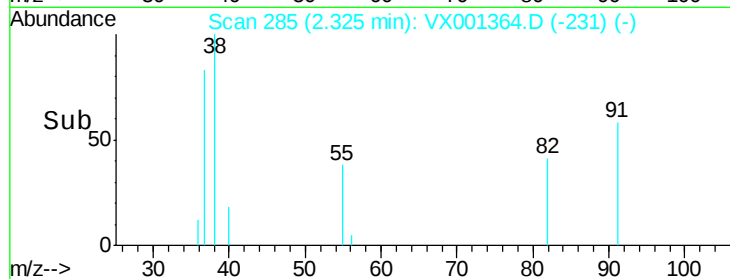
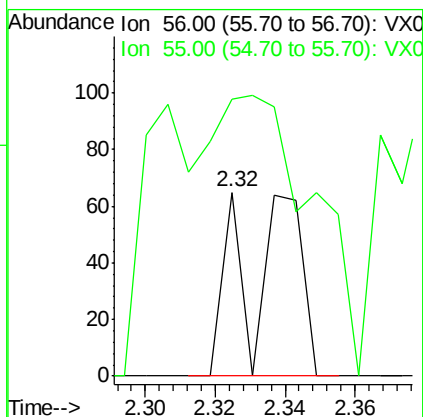
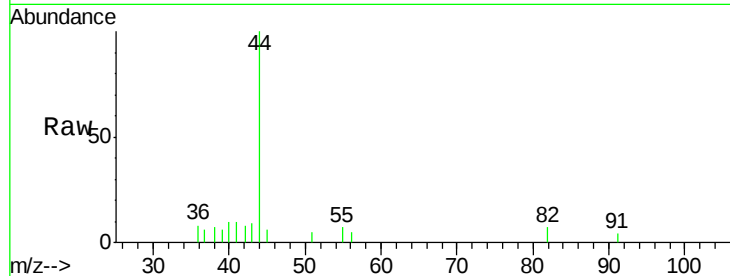




#13
Acrolein
Concen: 0.33 ug/l
RT: 2.32 min Scan# 285
Delta R.T. 0.03 min
Lab File: VX001364.D
Acq: 03 May 2018 17:29

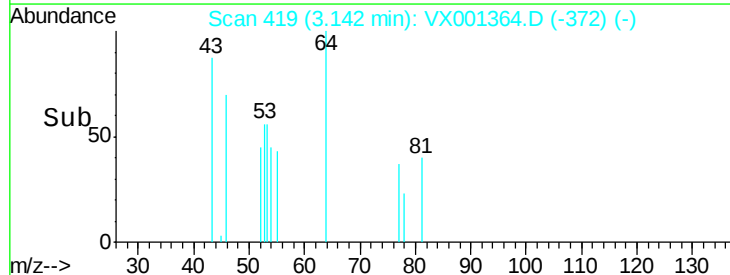
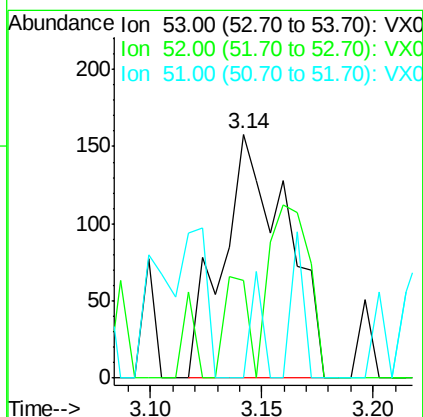
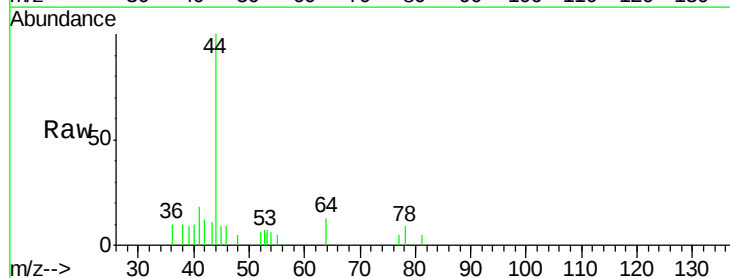
Instrument :
MSVOA_X
ClientSampled :
003

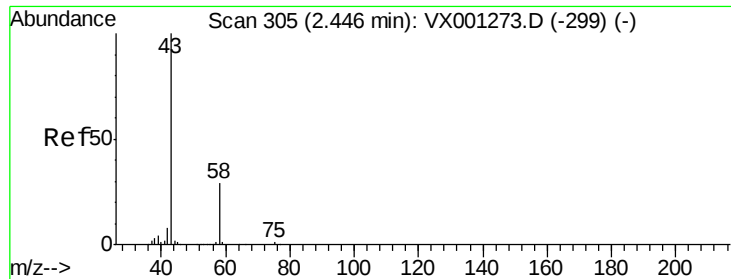
Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 247.1 57.2 85.8#



#15
Acrylonitrile
Concen: 0.38 ug/l
RT: 3.14 min Scan# 419
Delta R.T. -0.01 min
Lab File: VX001364.D
Acq: 03 May 2018 17:29

Tgt Ion: 53 Resp: 317
Ion Ratio Lower Upper
53 100
52 14.8 67.0 100.4#
51 0.0 29.9 44.9#





#16

Acetone

Concen: 4.87 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001364.D

Acq: 03 May 2018 17:29

Instrument :

MSVOA_X

ClientSampled :

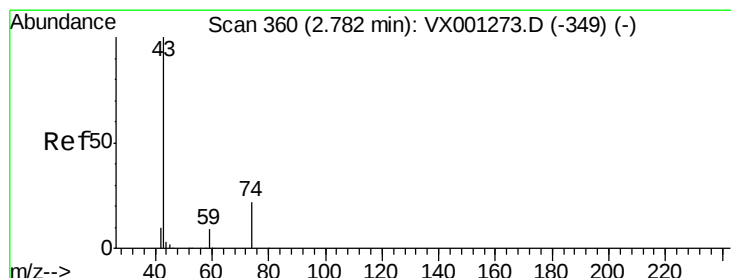
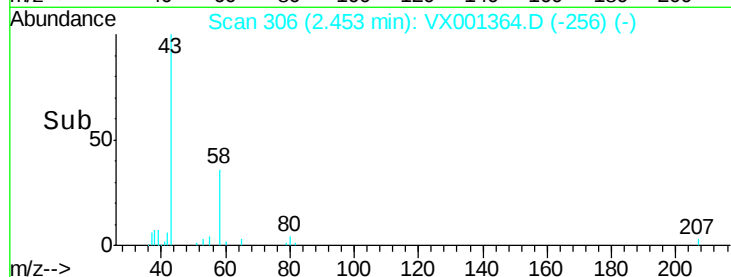
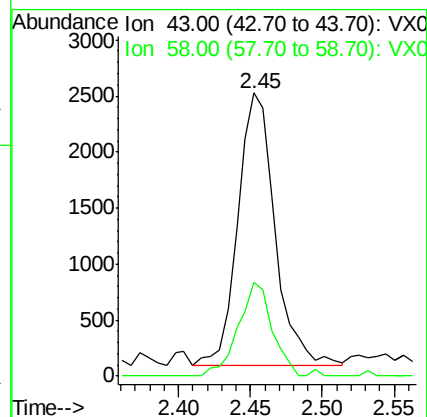
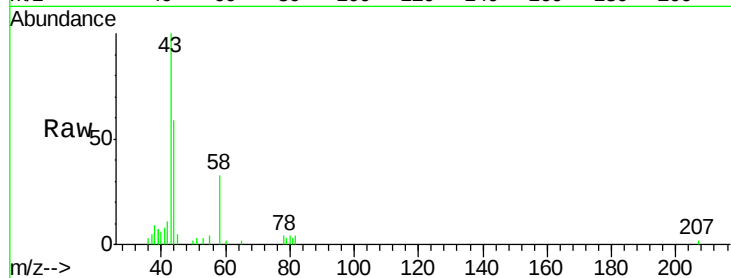
003

Tgt Ion: 43 Resp: 4402

Ion Ratio Lower Upper

43 100

58 34.3 22.8 34.2#



#18

Methyl Acetate

Concen: 1.74 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX001364.D

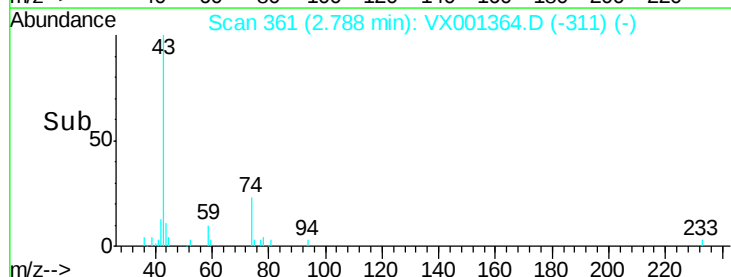
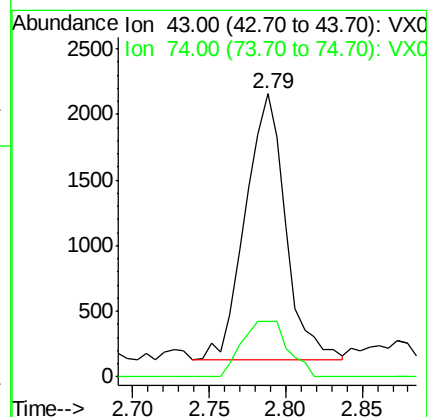
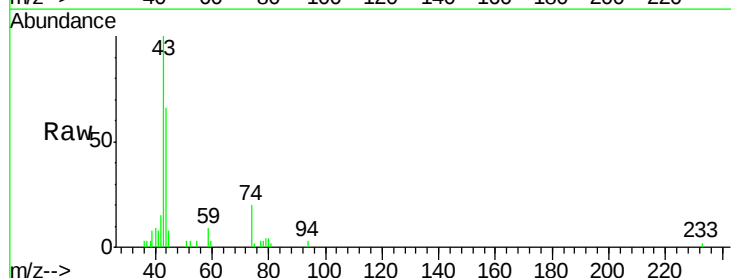
Acq: 03 May 2018 17:29

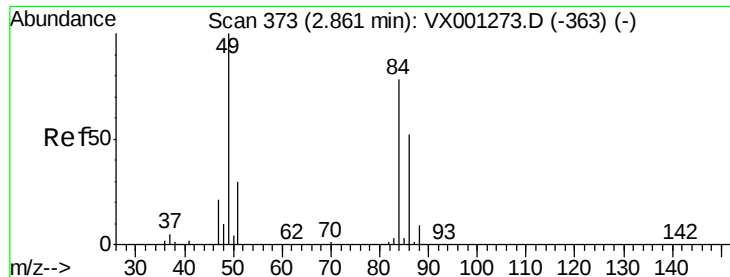
Tgt Ion: 43 Resp: 3707

Ion Ratio Lower Upper

43 100

74 24.0 17.8 26.6

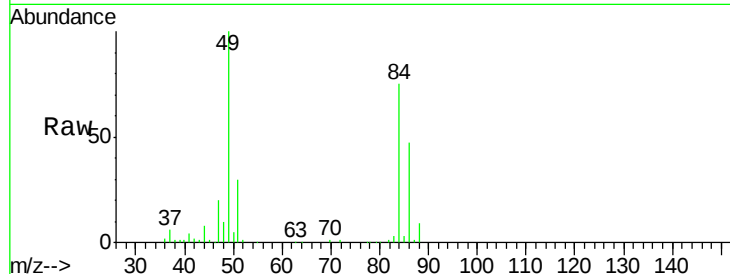




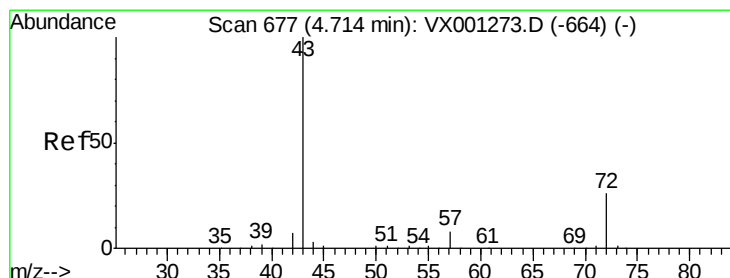
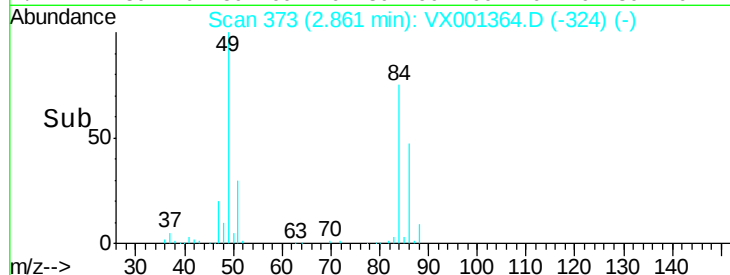
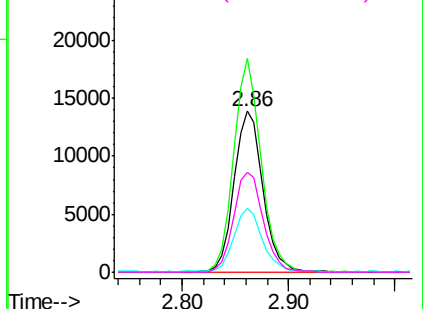
#20
Methylene Chloride
Concen: 15.07 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001364.D
Acq: 03 May 2018 17:29

Instrument :
MSVOA_X
ClientSampleId :
003

Tgt Ion: 84 Resp: 26395
Ion Ratio Lower Upper
84 100
49 132.4 102.8 154.2
51 39.7 30.9 46.3
86 62.5 53.0 79.4

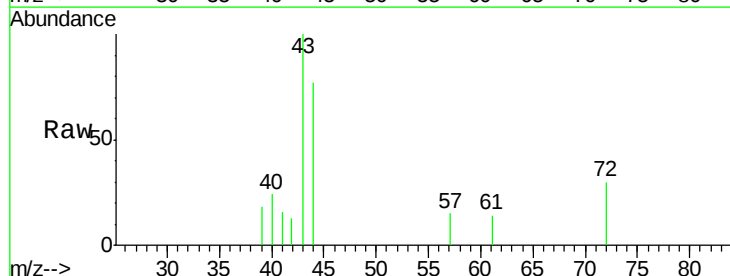


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

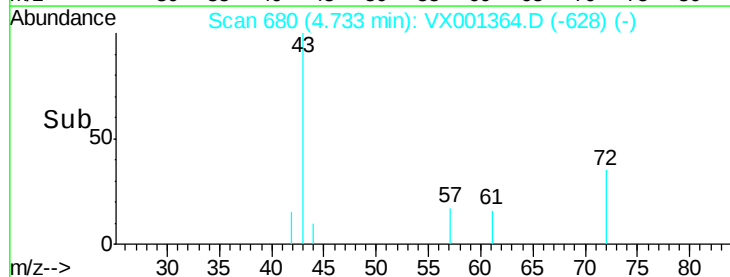
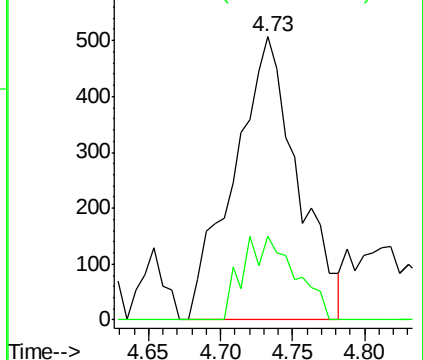


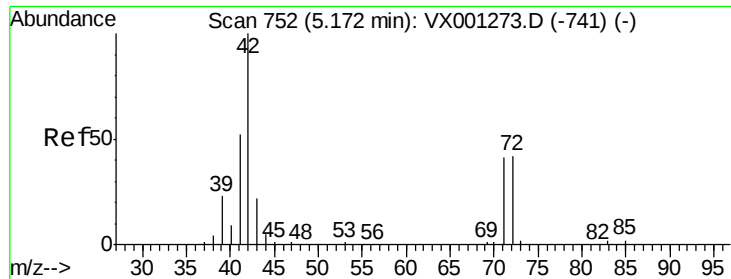
#25
2-Butanone
Concen: 1.28 ug/l
RT: 4.73 min Scan# 680
Delta R.T. 0.02 min
Lab File: VX001364.D
Acq: 03 May 2018 17:29

Tgt Ion: 43 Resp: 1559
Ion Ratio Lower Upper
43 100
72 29.8 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.65 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.02 min

Lab File: VX001364.D

Acq: 03 May 2018 17:29

Instrument :

MSVOA_X

ClientSampled :

003

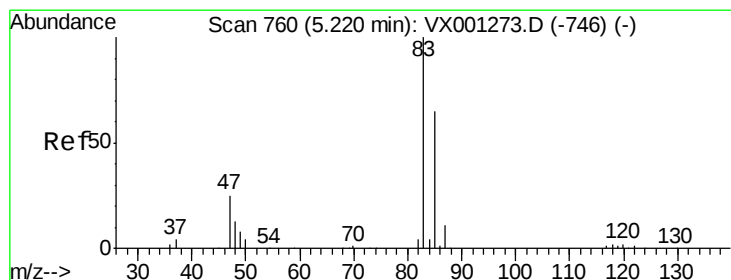
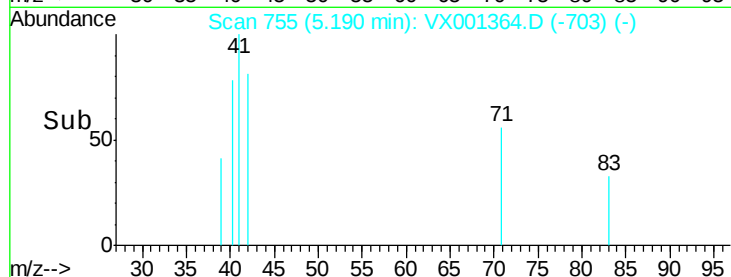
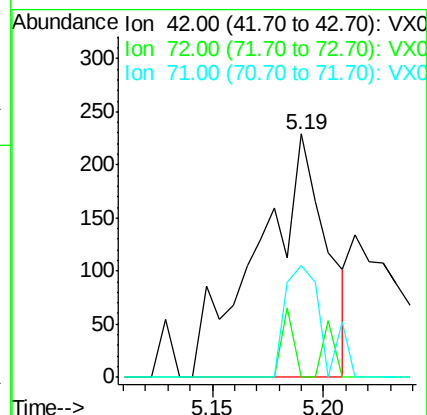
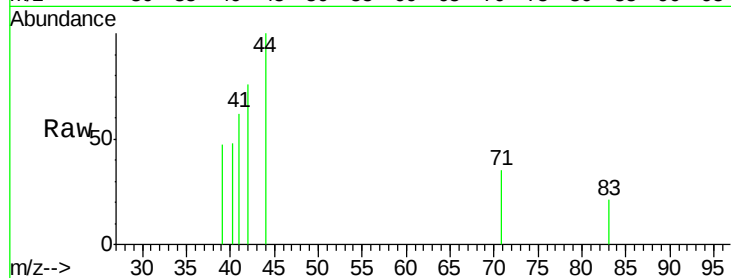
Tgt Ion: 42 Resp: 486

Ion Ratio Lower Upper

42 100

72 4.9 34.6 52.0#

71 25.3 32.7 49.1#



#30

Chloroform

Concen: 0.21 ug/l

RT: 5.24 min Scan# 763

Delta R.T. 0.02 min

Lab File: VX001364.D

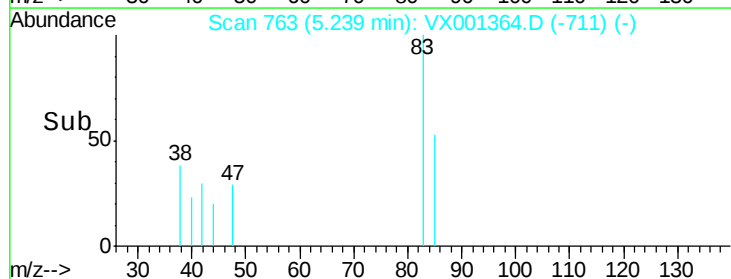
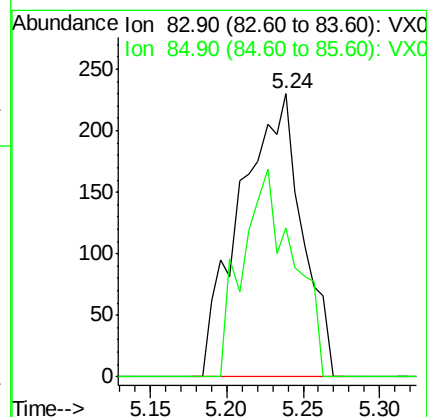
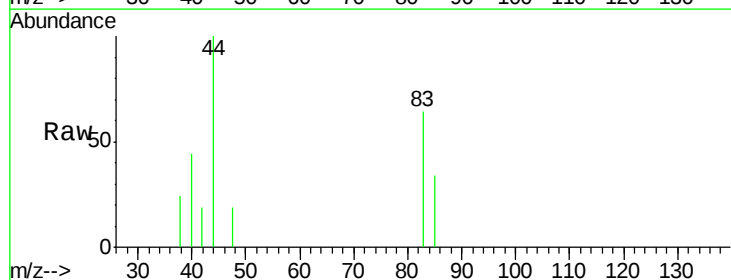
Acq: 03 May 2018 17:29

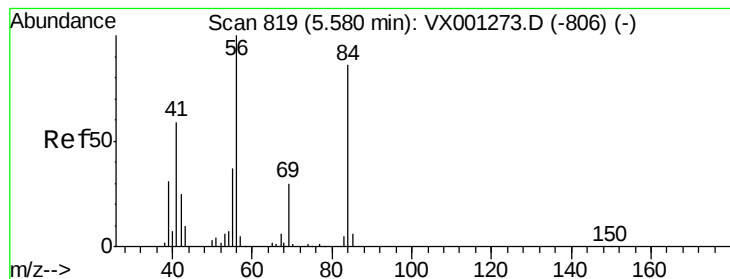
Tgt Ion: 83 Resp: 645

Ion Ratio Lower Upper

83 100

85 52.6 52.2 78.2





#31

Cyclohexane

Concen: 1.03 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001364.D

Acq: 03 May 2018 17:29

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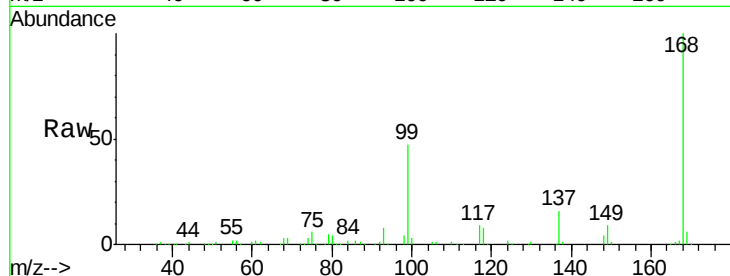
Tgt Ion: 56 Resp: 2687

Ion Ratio Lower Upper

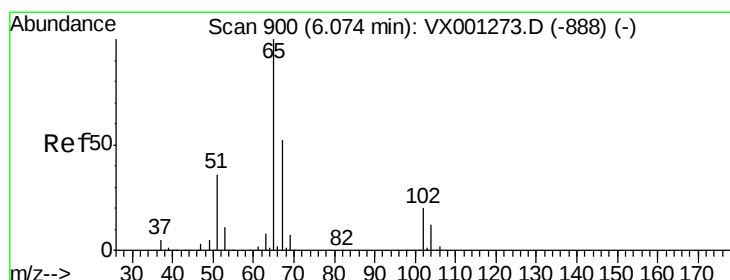
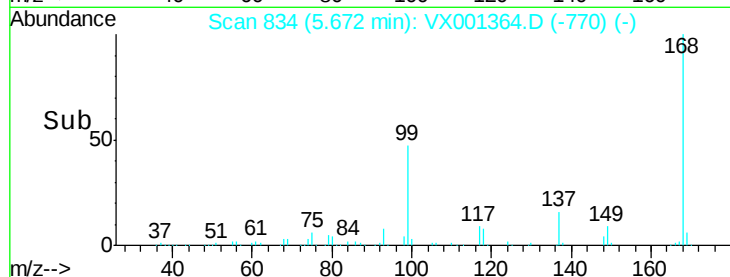
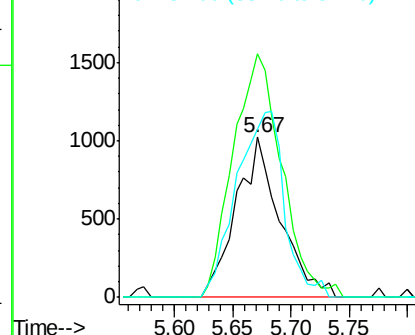
56 100

69 152.1 24.0 36.0#

84 105.3 69.0 103.4#



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: 39.09 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001364.D

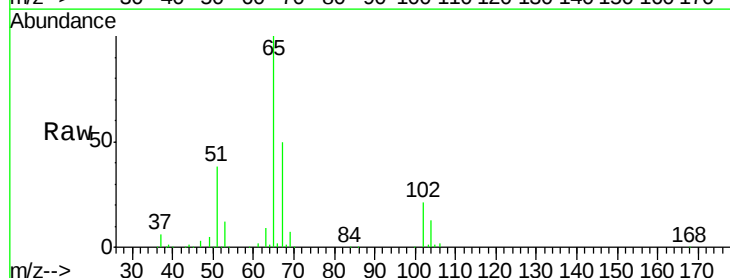
Acq: 03 May 2018 17:29

Tgt Ion: 65 Resp: 82777

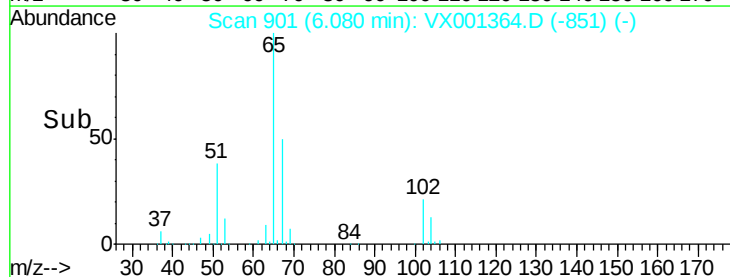
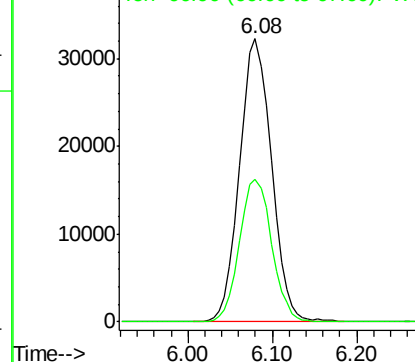
Ion Ratio Lower Upper

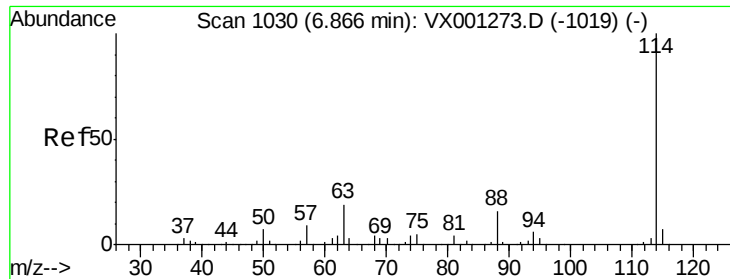
65 100

67 50.9 0.0 102.8



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

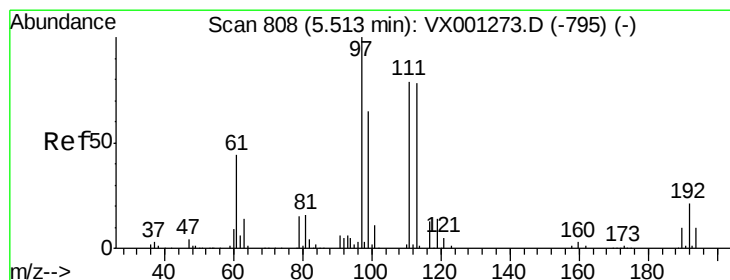
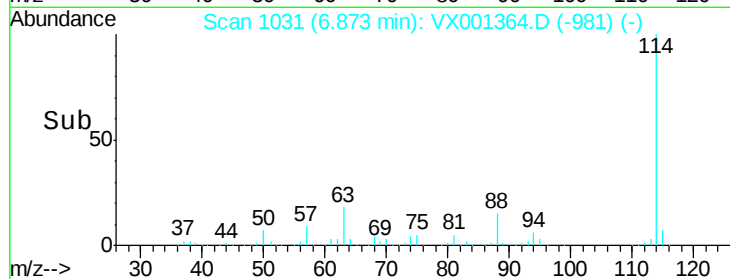
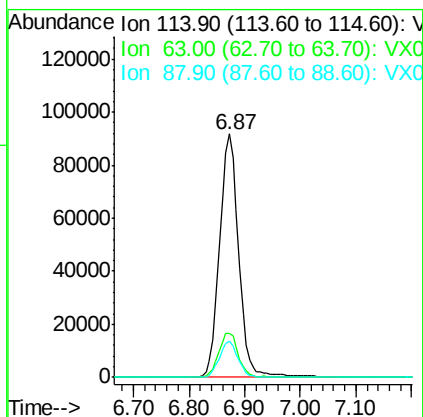
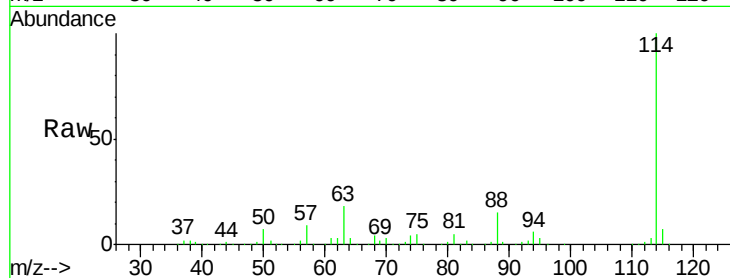




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001364.D
 Acq: 03 May 2018 17:29

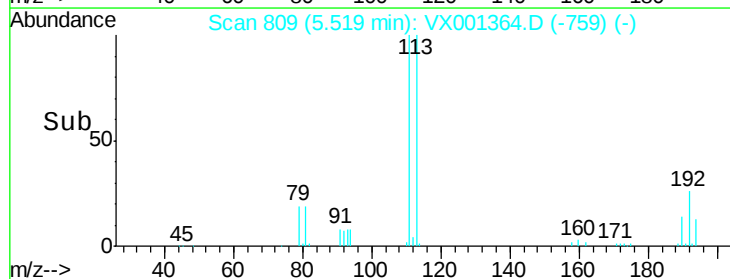
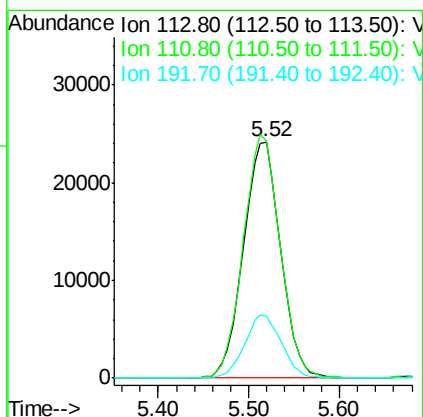
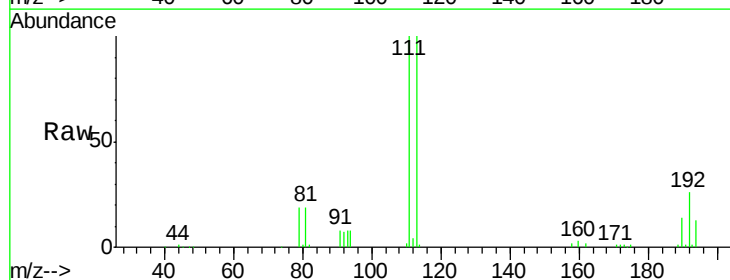
Instrument :
 MSVOA_X
 ClientSampleId :
 003

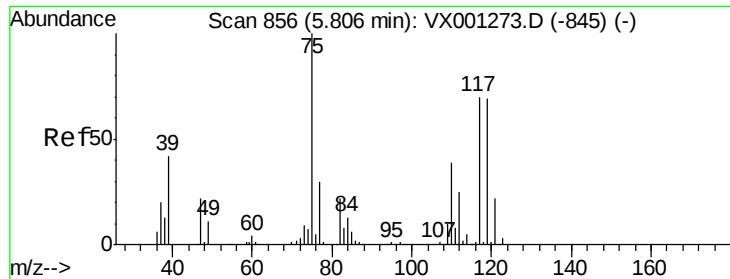
Tgt Ion:114 Resp: 218595
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 38.8
 88 14.7 0.0 32.2



#35
 Dibromofluoromethane
 Concen: 36.44 ug/l
 RT: 5.52 min Scan# 809
 Delta R.T. 0.01 min
 Lab File: VX001364.D
 Acq: 03 May 2018 17:29

Tgt Ion:113 Resp: 68628
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.2 121.8
 192 26.4 20.7 31.1

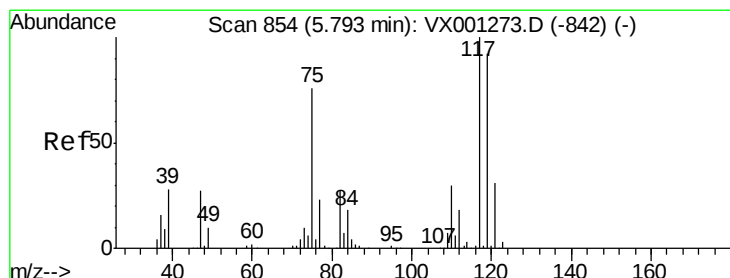
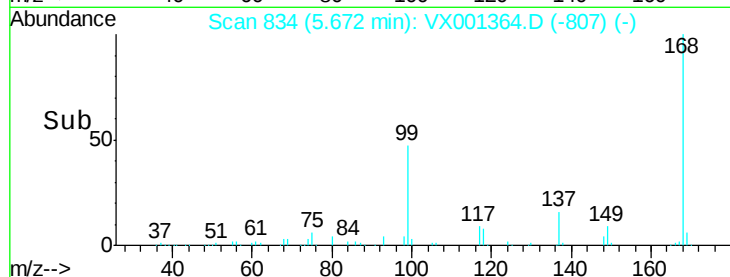
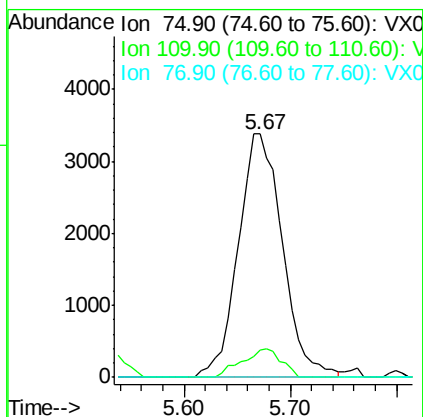
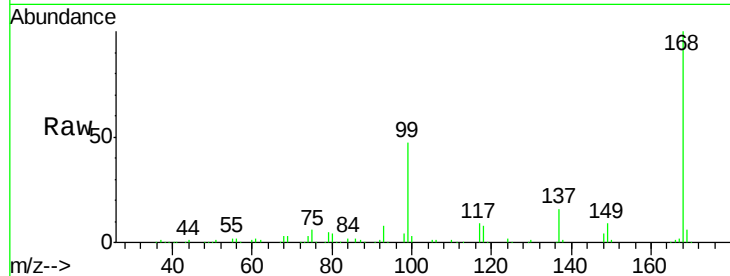




#36
 1,1-Dichloropropene
 Concen: 3.90 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001364.D
 Acq: 03 May 2018 17:29

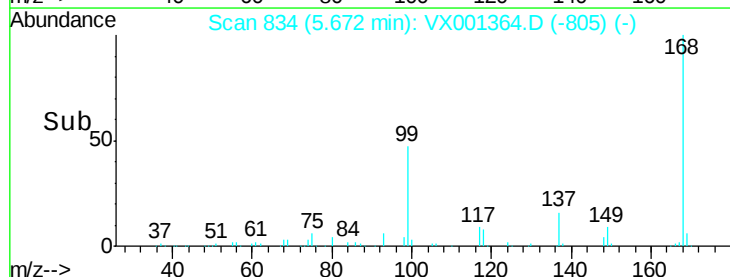
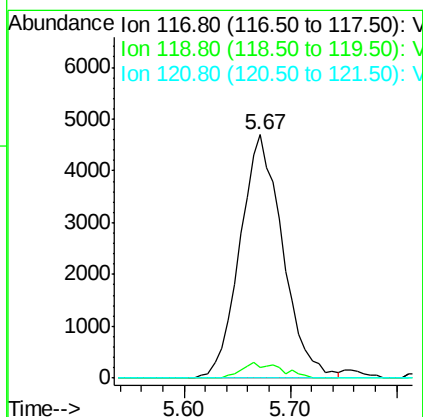
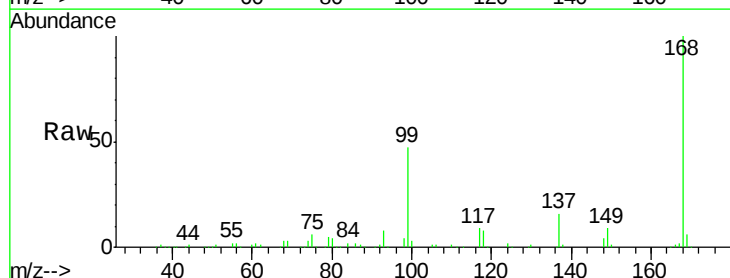
Instrument :
 MSVOA_X
 ClientSampleId :
 003

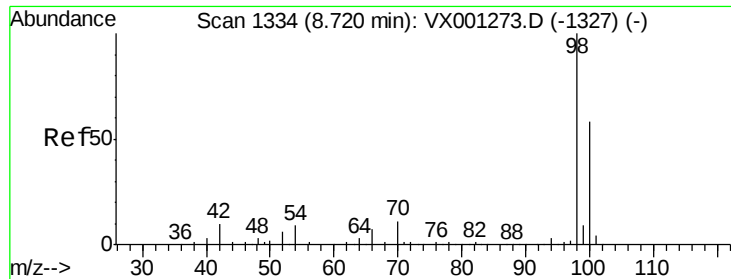
Tgt Ion: 75 Resp: 9849
 Ion Ratio Lower Upper
 75 100
 110 10.4 18.9 56.9#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 4.99 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001364.D
 Acq: 03 May 2018 17:29

Tgt Ion: 117 Resp: 13189
 Ion Ratio Lower Upper
 117 100
 119 4.5 73.4 110.2#
 121 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 38.10 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VX001364.D

Acq: 03 May 2018 17:29

Instrument :

MSVOA_X

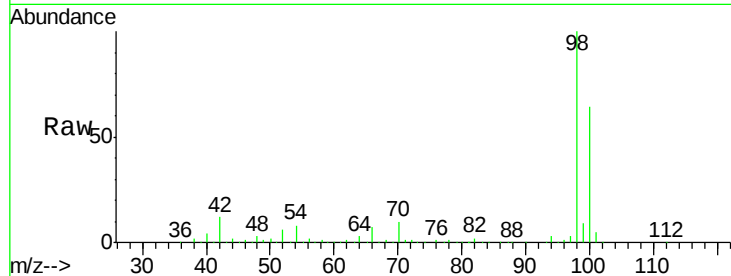
ClientSampleId :
003

Tgt Ion: 98 Resp: 256314

Ion Ratio Lower Upper

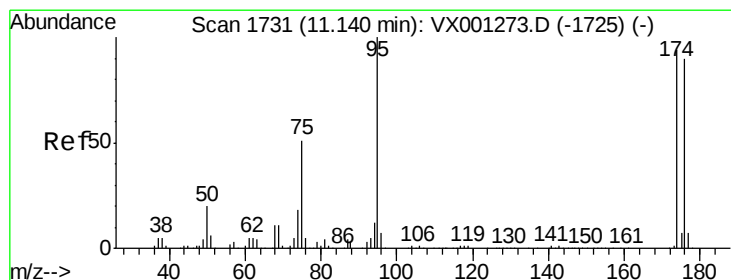
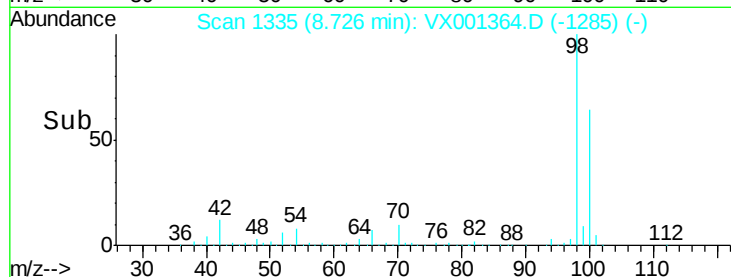
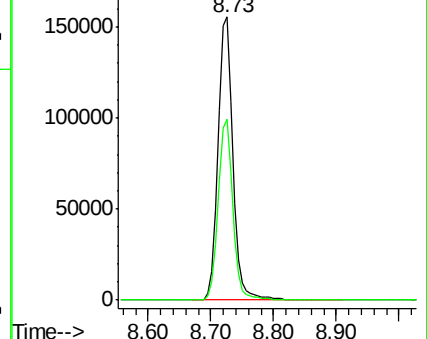
98 100

100 63.2 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 30.73 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001364.D

Acq: 03 May 2018 17:29

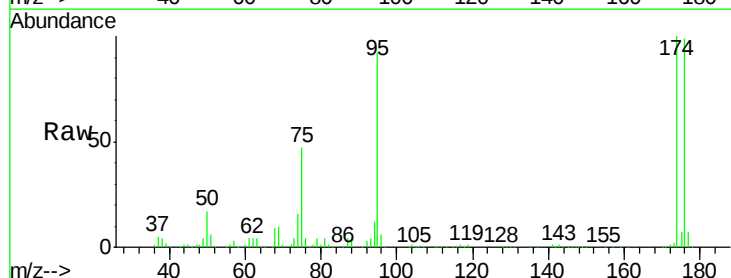
Tgt Ion: 95 Resp: 82675

Ion Ratio Lower Upper

95 100

174 105.6 0.0 201.8

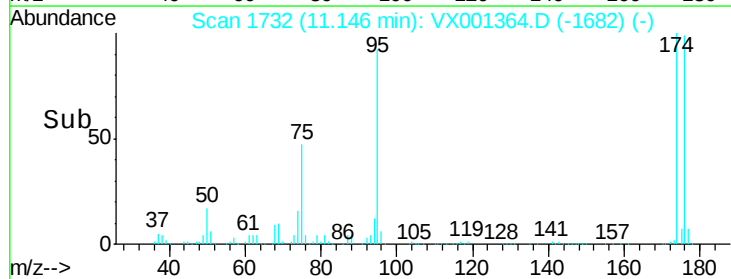
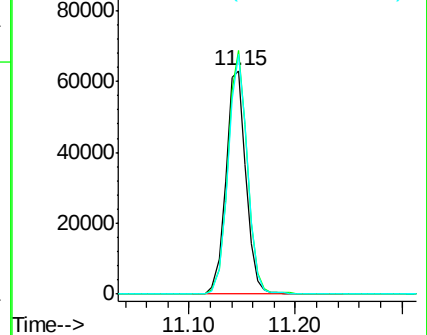
176 103.5 0.0 197.2

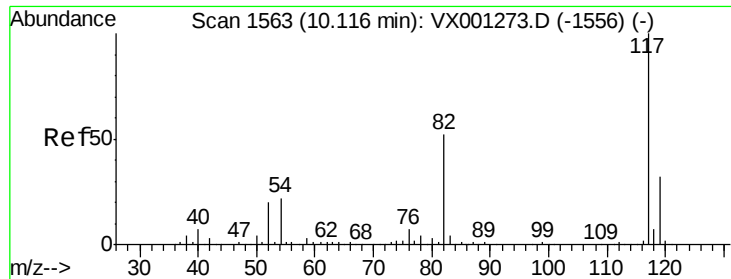


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

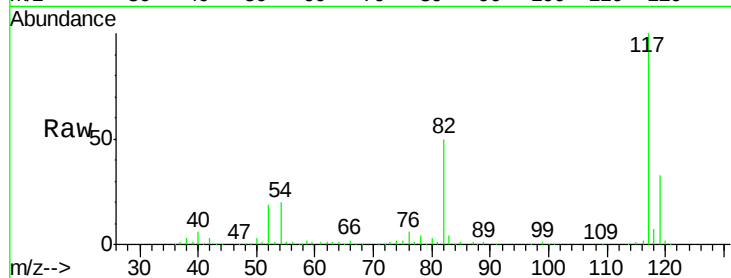




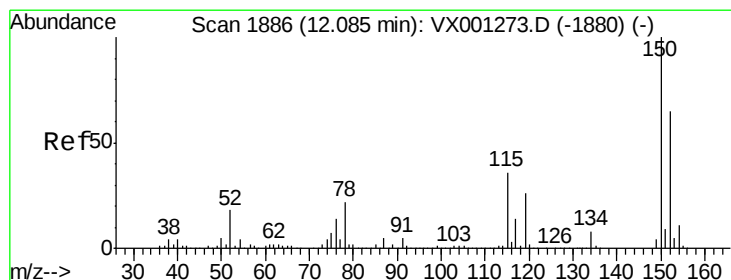
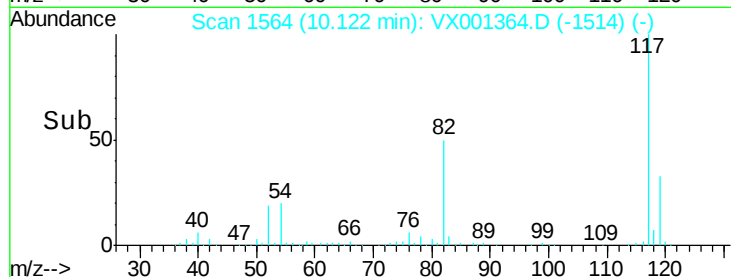
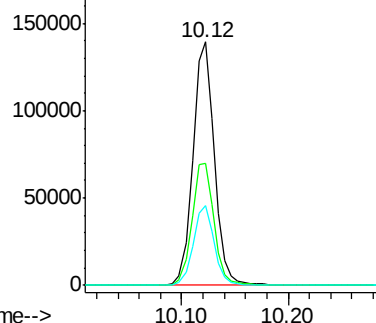
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001364.D
Acq: 03 May 2018 17:29

Instrument :
MSVOA_X
ClientSampled :
003

Tgt Ion:117 Resp: 195697
Ion Ratio Lower Upper
117 100
82 50.1 41.4 62.0
119 32.5 25.5 38.3

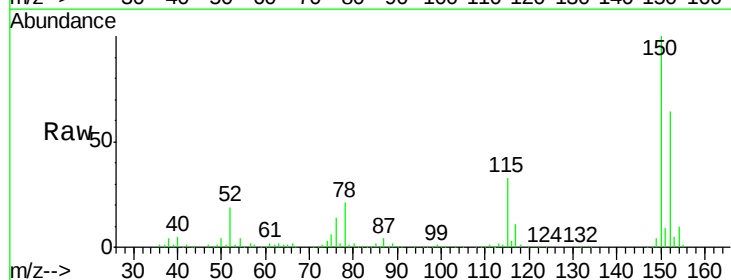


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

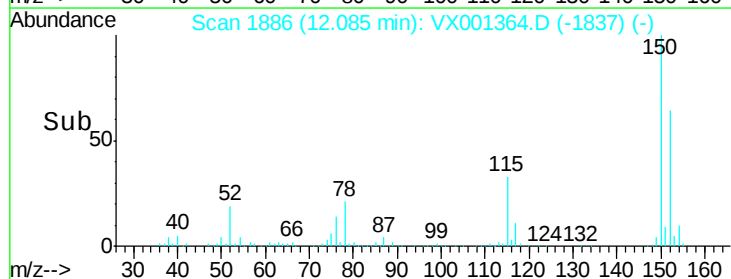
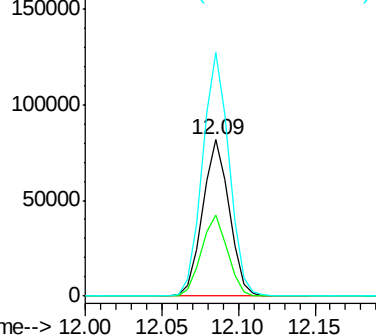


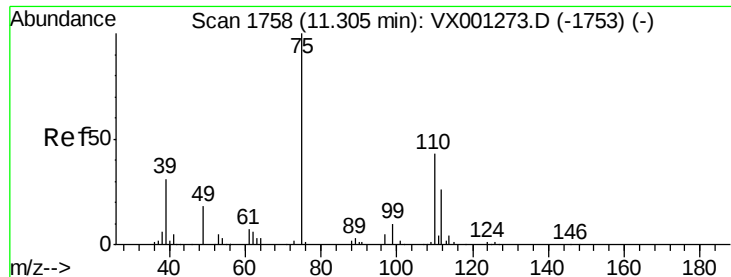
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001364.D
Acq: 03 May 2018 17:29

Tgt Ion:152 Resp: 98114
Ion Ratio Lower Upper
152 100
115 51.6 38.6 115.7
150 155.7 0.0 349.2



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: 23.44 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX001364.D

Acq: 03 May 2018 17:29

Instrument :

MSVOA_X

ClientSampleId :

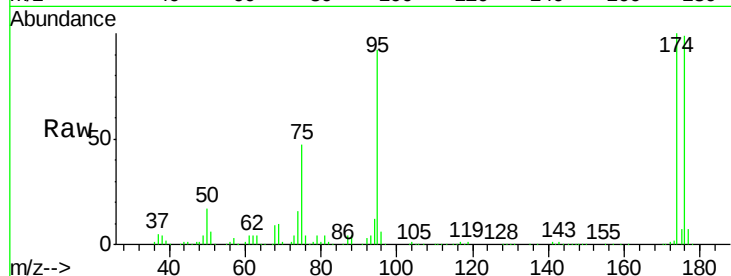
003

Tgt Ion: 75 Resp: 42519

Ion Ratio Lower Upper

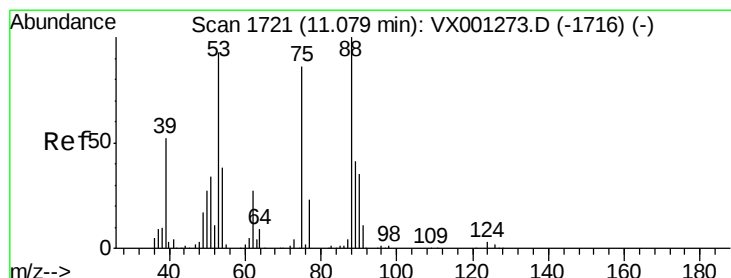
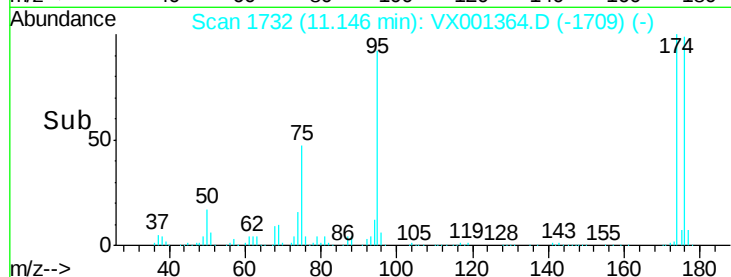
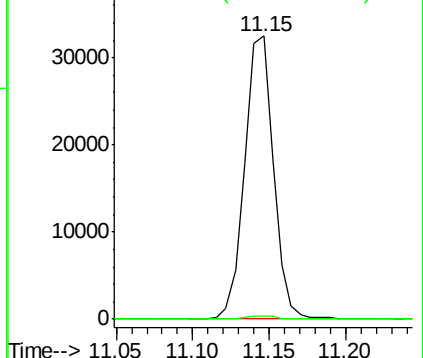
75 100

77 1.3 18.9 56.5#



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: 73.99 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX001364.D

Acq: 03 May 2018 17:29

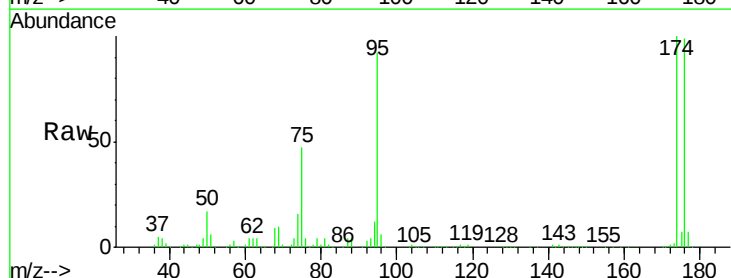
Tgt Ion: 75 Resp: 42519

Ion Ratio Lower Upper

75 100

53 0.0 87.1 130.7#

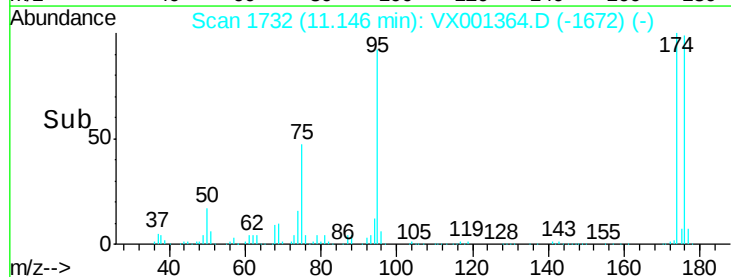
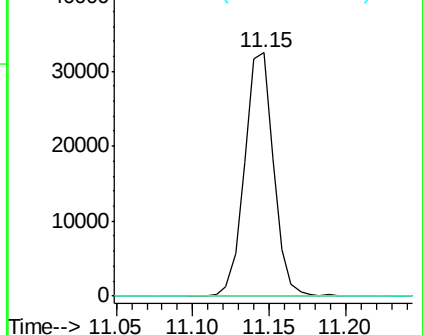
89 0.0 38.9 58.3#

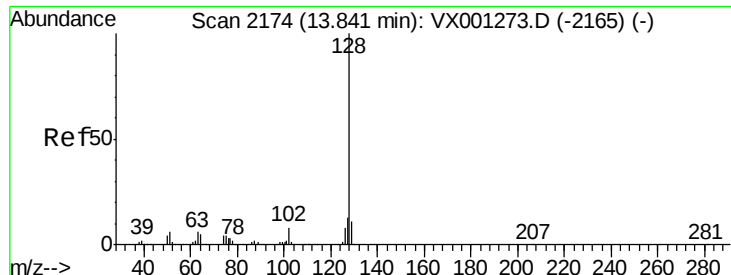


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95
Naphthalene
Concen: 0.36 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001364.D
Acq: 03 May 2018 17:29

Instrument :
MSVOA_X
ClientSampleId :
003

Tgt Ion:128 Resp: 2608
Ion Ratio Lower Upper
128 100
127 14.8 10.5 15.7
129 9.5 8.7 13.1

