

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042018\
 Data File : VX001020.D
 Acq On : 20 Apr 2018 20:06
 Operator : JC/MD
 Sample : J2349-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 21 05:37:53 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	231656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	328262	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	305434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	205314	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	152237	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
35) Dibromofluoromethane	5.51	113	116124	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	
50) Toluene-d8	8.72	98	460376	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
62) 4-Bromofluorobenzene	11.14	95	181088	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	

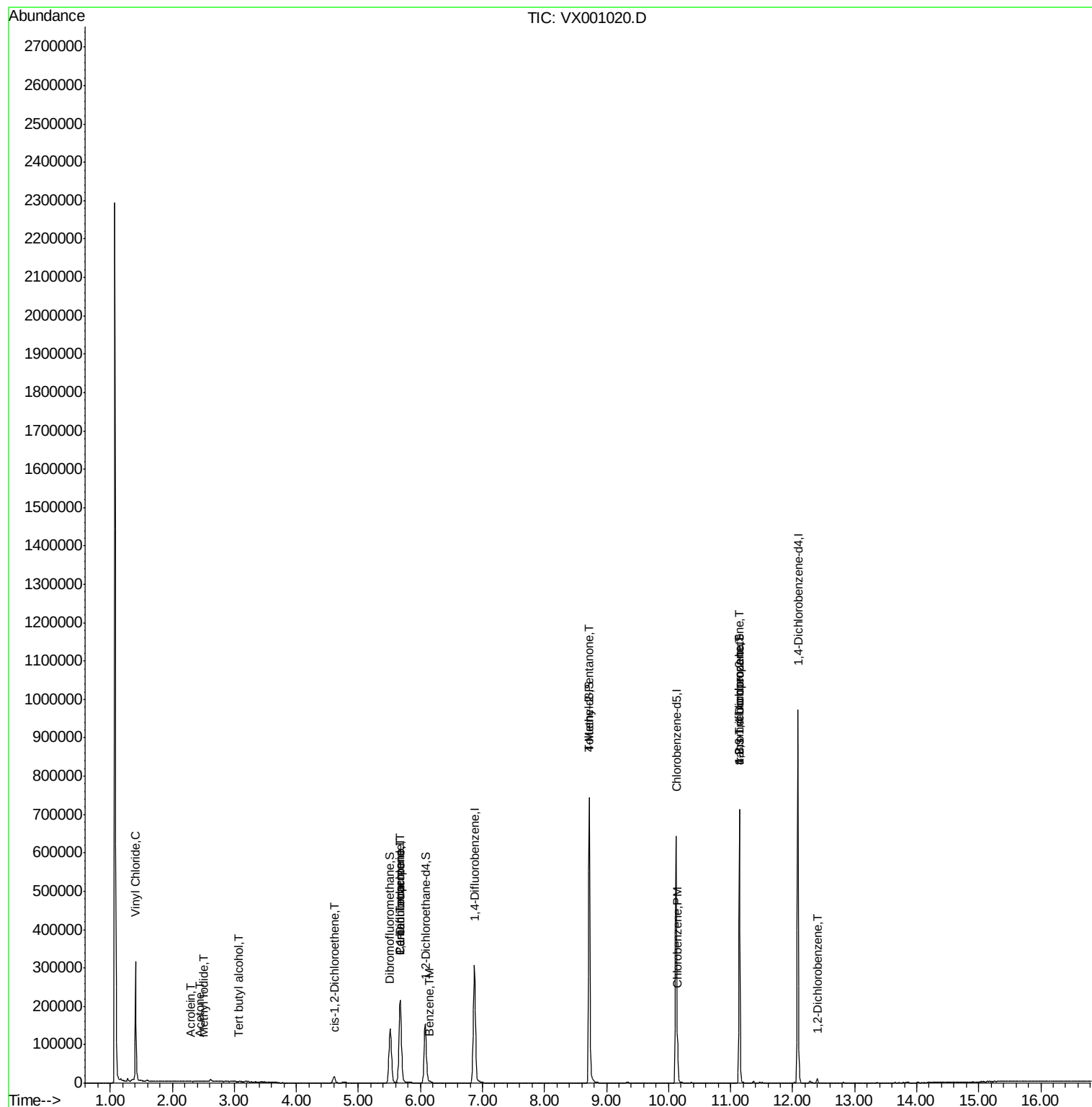
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	205964	74.28	ug/l	98
5) Bromomethane	1.65	94	179	Below	Cal	94
10) Methyl Iodide	2.50	142	19	7.61	ug/l #	41
11) Tert butyl alcohol	3.07	59	314	0.71	ug/l #	67
13) Acrolein	2.30	56	67	11.40	ug/l #	66
16) Acetone	2.45	43	815	0.74	ug/l #	46
27) cis-1,2-Dichloroethene	4.60	96	10171	3.63	ug/l	87
36) 1,1-Dichloropropene	5.67	75	14413	3.74	ug/l #	50
38) Carbon Tetrachloride	5.67	117	20137	5.16	ug/l #	16
40) Benzene	6.15	78	4761	0.44	ug/l	99
51) 4-Methyl-2-Pentanone	8.73	43	2294	0.62	ug/l #	1
65) Chlorobenzene	10.15	112	38544	4.74	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	90497	25.41	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	90497	76.15	ug/l #	8
91) 1,2-Dichlorobenzene	12.40	146	3586	0.51	ug/l	99

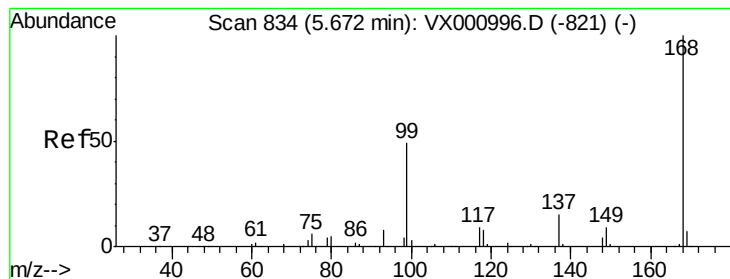
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001020.D

Acq: 20 Apr 2018 20:06

Instrument :

MSVOA_X

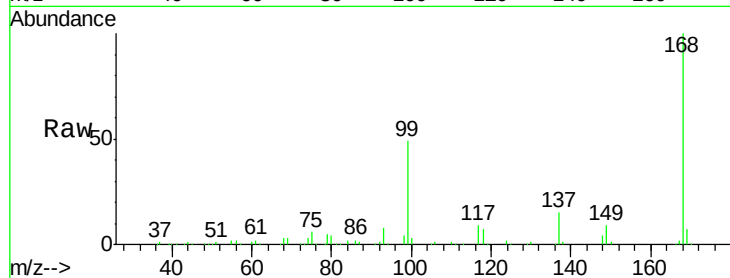
ClientSampleId :

Tot Ion:168 Resp: 231656

Ion Ratio Lower Upper

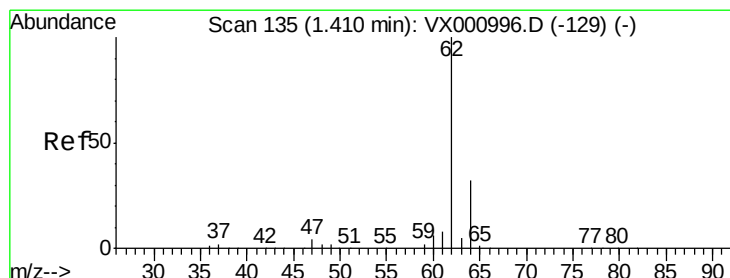
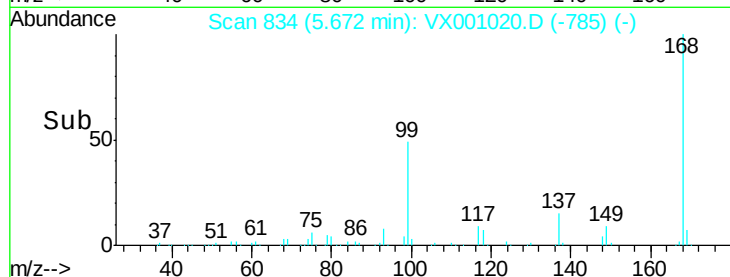
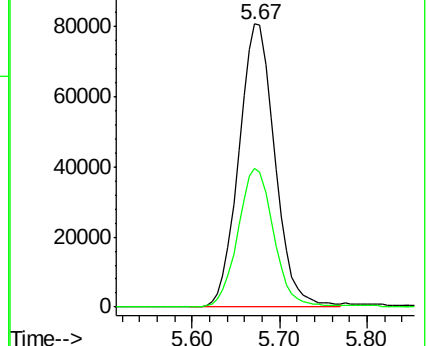
168 100

99 49.2 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 74.28 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX001020.D

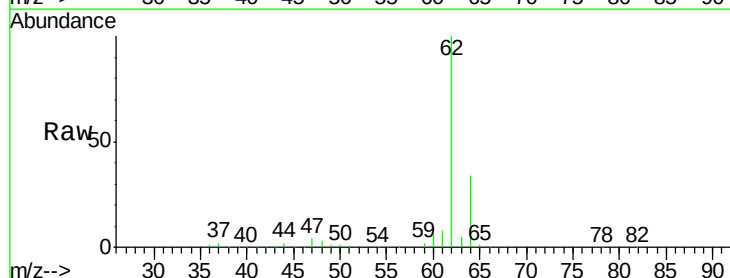
Acq: 20 Apr 2018 20:06

Tgt Ion: 62 Resp: 205964

Ion Ratio Lower Upper

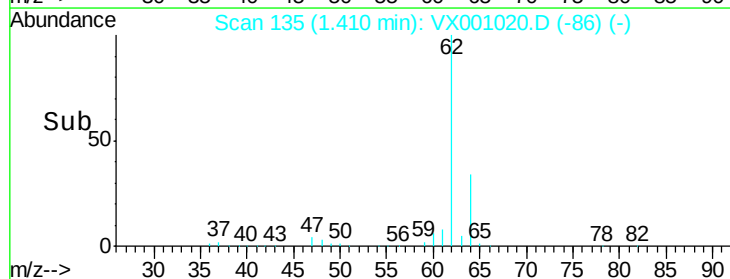
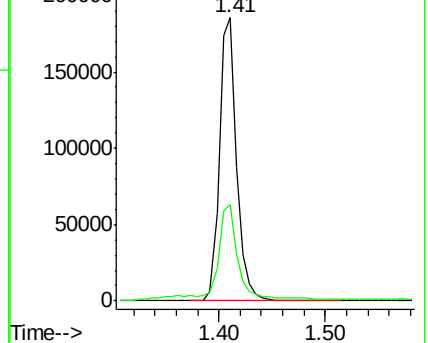
62 100

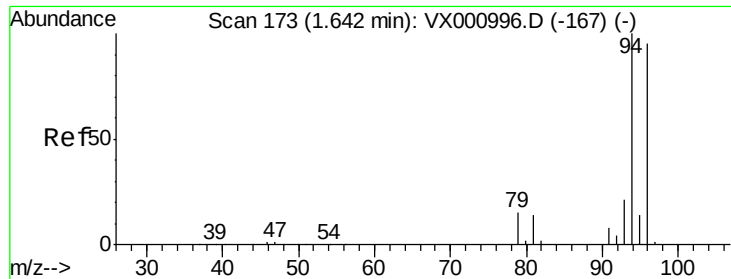
64 33.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX001020.D

Acq: 20 Apr 2018 20:06

Instrument :

MSVOA_X

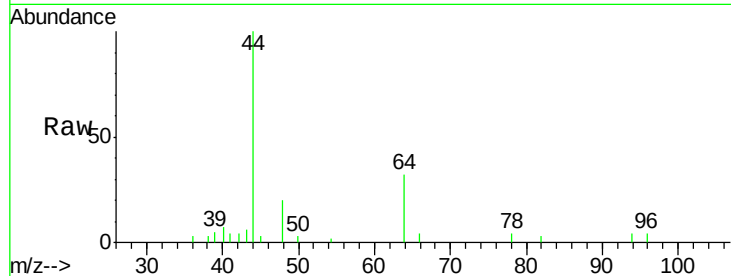
ClientSampled :

Tot Ion: 94 Resp: 179

Ion Ratio Lower Upper

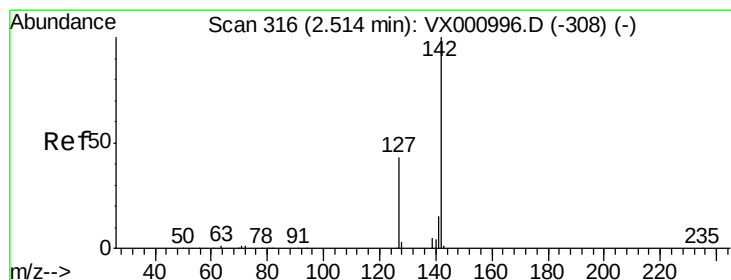
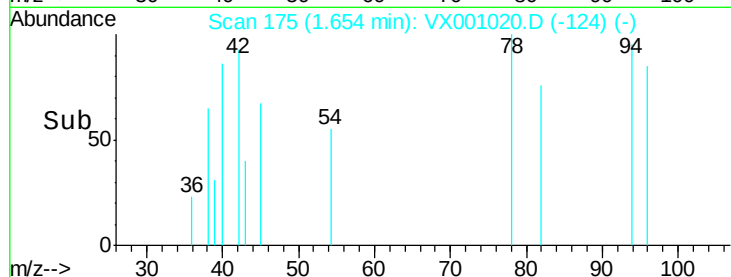
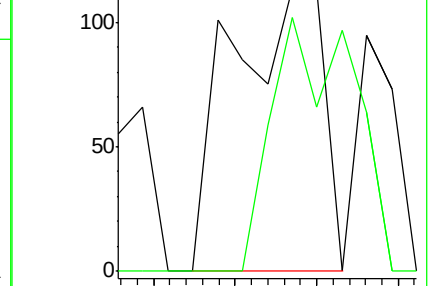
94 100

96 89.5 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 7.61 ug/l

RT: 2.50 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX001020.D

Acq: 20 Apr 2018 20:06

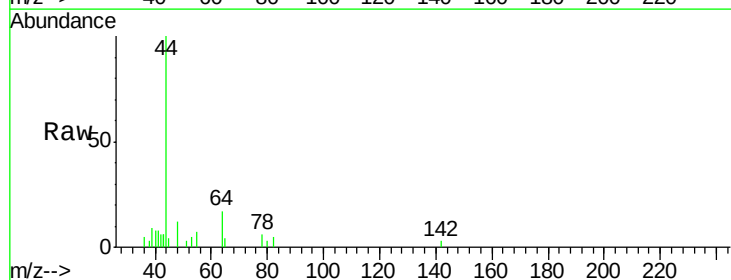
Tgt Ion: 142 Resp: 19

Ion Ratio Lower Upper

142 100

127 0.0 34.0 51.0#

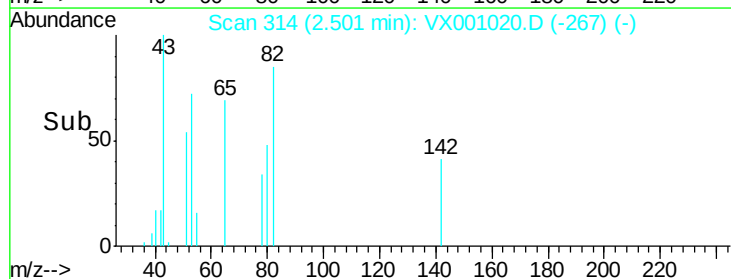
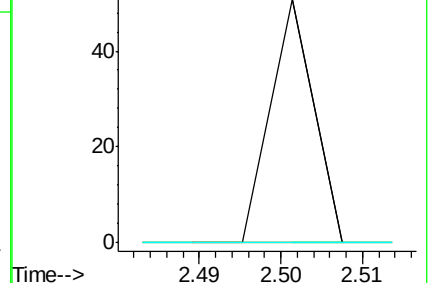
141 0.0 11.4 17.2#

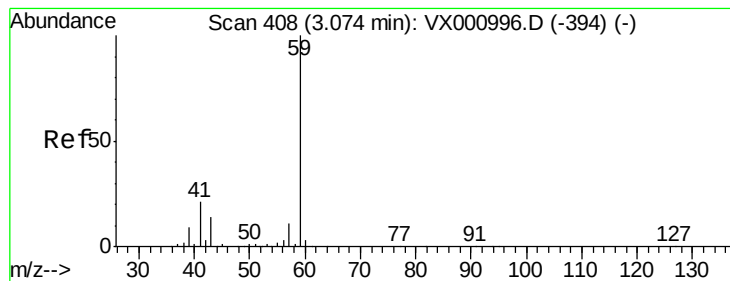


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 0.71 ug/l

RT: 3.07 min Scan# 407

Delta R.T. -0.01 min

Lab File: VX001020.D

Acq: 20 Apr 2018 20:06

Instrument :

MSVOA_X

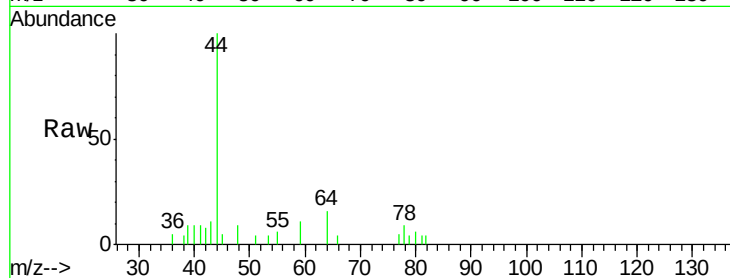
ClientSampleId :

Tot Ion: 59 Resp: 314

Ion Ratio Lower Upper

59 100

57 22.9 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.07

150

100

50

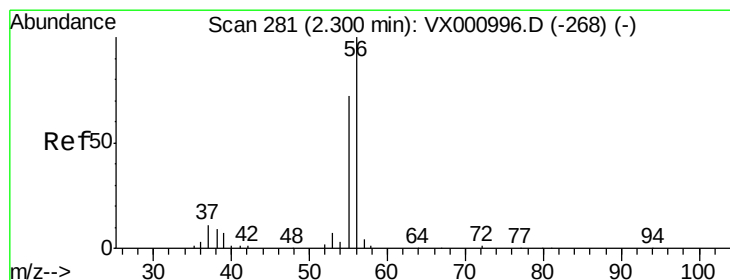
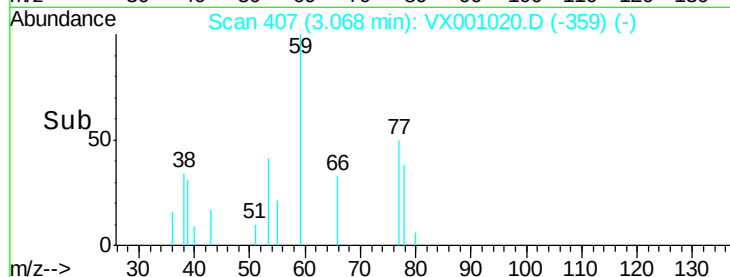
0

Time--> 3.00

3.05

3.10

3.15



#13

Acrolein

Concen: 11.40 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001020.D

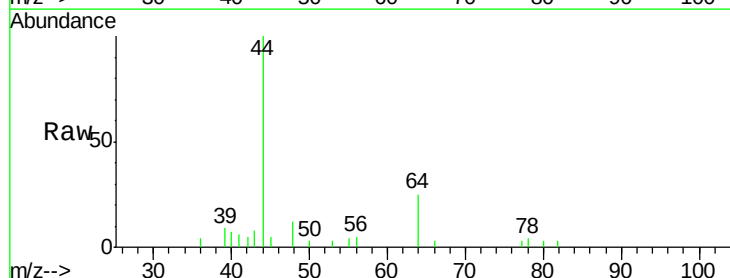
Acq: 20 Apr 2018 20:06

Tgt Ion: 56 Resp: 67

Ion Ratio Lower Upper

56 100

55 43.3 57.4 86.2#



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

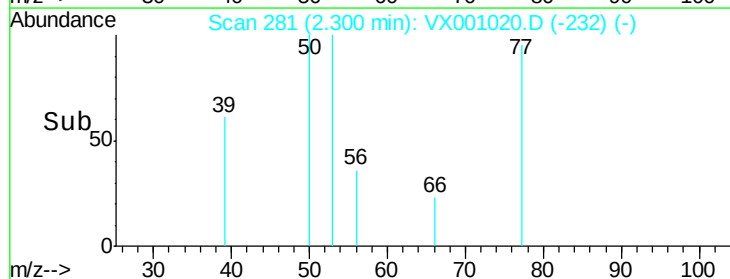
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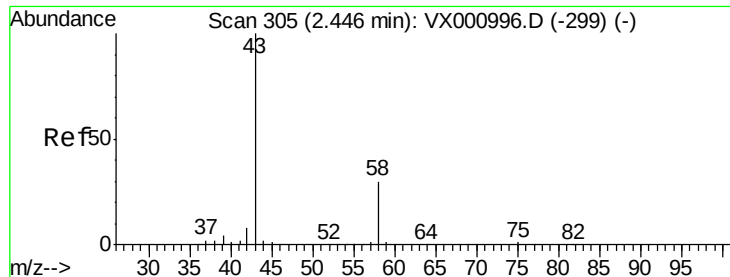
Time--> 2.28

2.29

2.30

2.31





#16

Acetone

Concen: 0.74 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001020.D

Acq: 20 Apr 2018 20:06

Instrument :

MSVOA_X

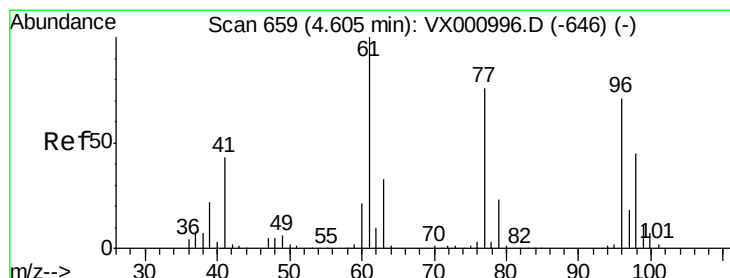
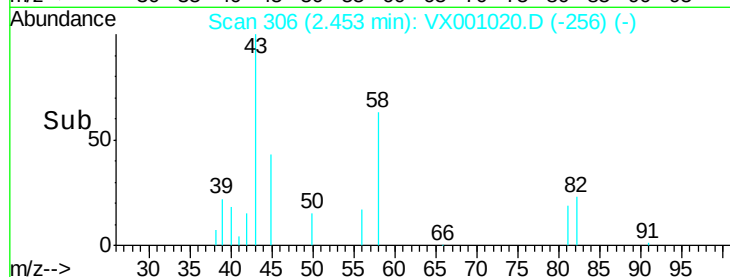
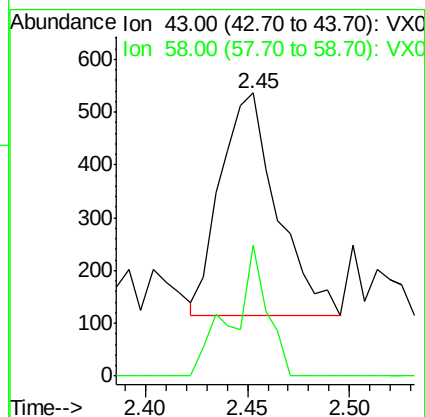
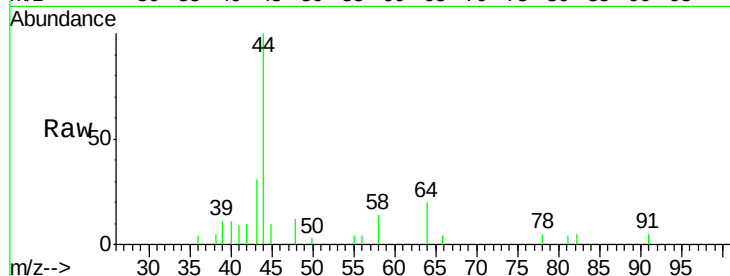
ClientSampled :

Tot Ion: 43 Resp: 815

Ion Ratio Lower Upper

43 100

58 58.5 23.7 35.5#



#27

cis-1,2-Dichloroethene

Concen: 3.63 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001020.D

Acq: 20 Apr 2018 20:06

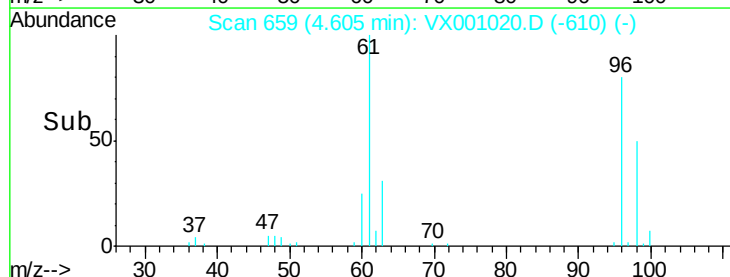
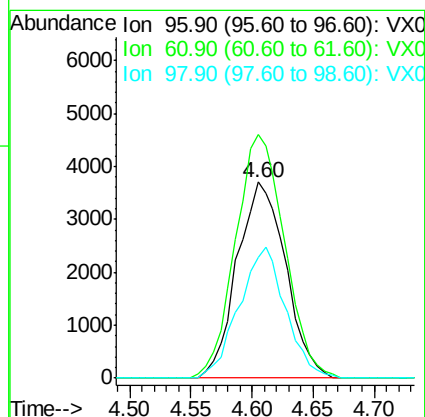
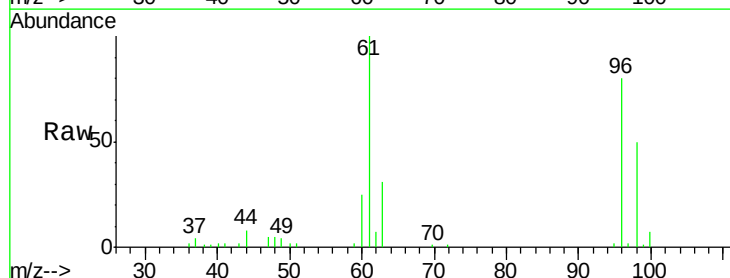
Tgt Ion: 96 Resp: 10171

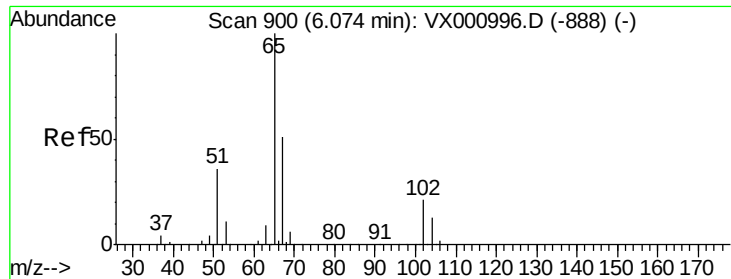
Ion Ratio Lower Upper

96 100

61 125.8 0.0 297.0

98 64.3 0.0 130.0

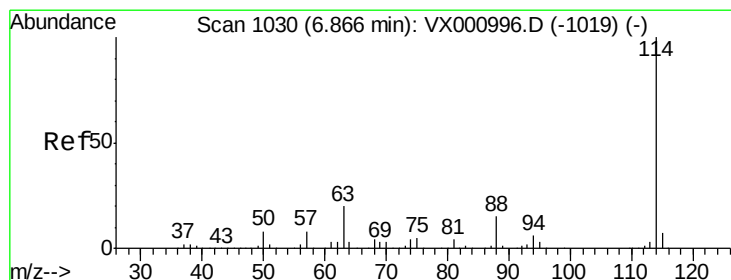
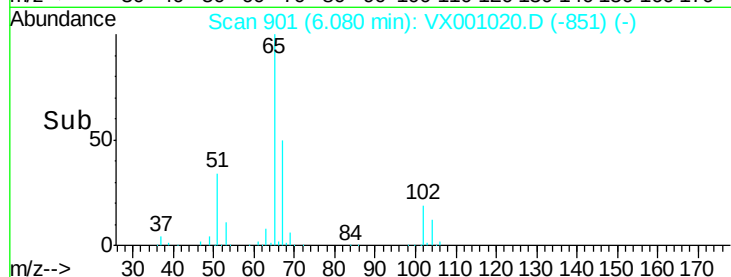
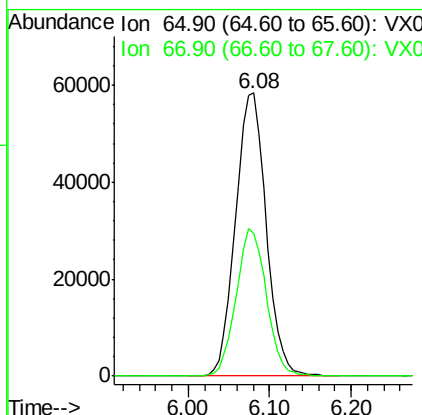
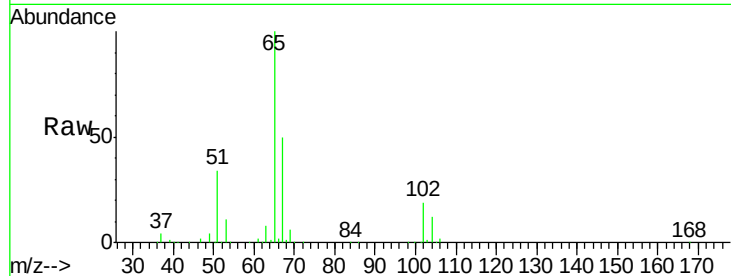




#33
 1,2-Dichloroethane-d4
 Concen: 51.84 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001020.D
 Acq: 20 Apr 2018 20:06

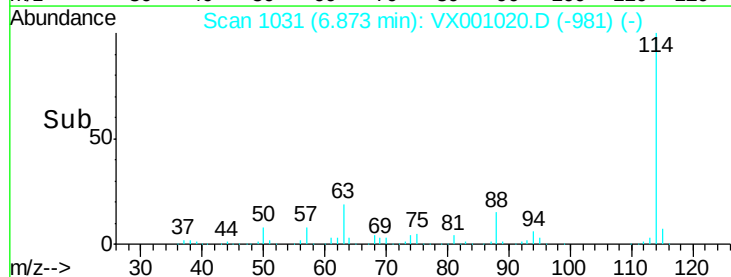
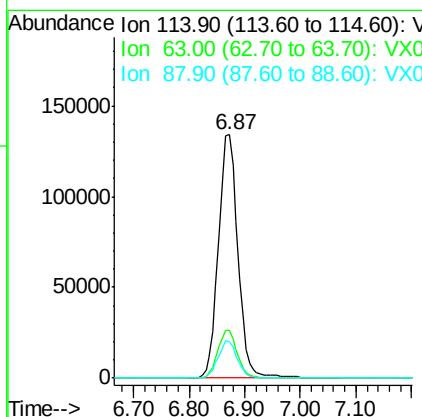
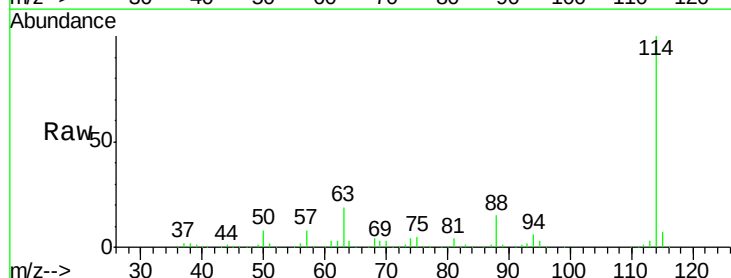
Instrument :
 MSVOA_X
 ClientSampleId :

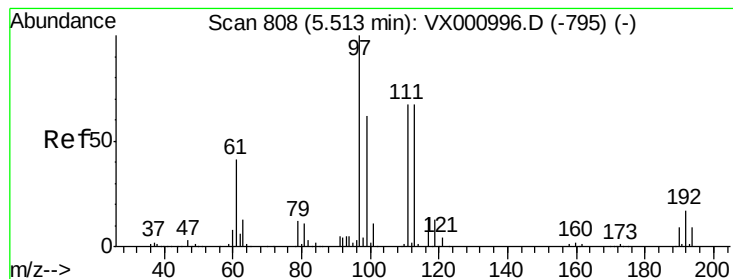
Tot Ion: 65 Resp: 152237
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001020.D
 Acq: 20 Apr 2018 20:06

Tgt Ion: 114 Resp: 328262
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.4
 88 15.1 0.0 29.8





#35

Dibromofluoromethane

Concen: 46.39 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001020.D

Acq: 20 Apr 2018 20:06

Instrument :

MSVOA_X

ClientSampleId :

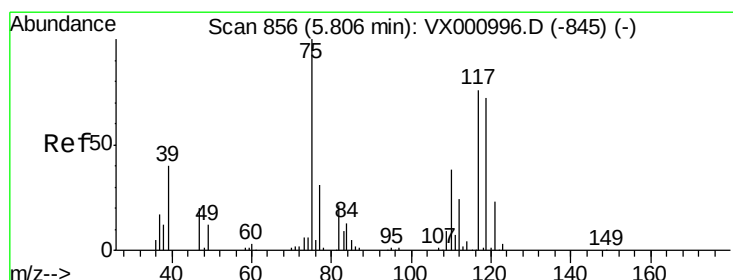
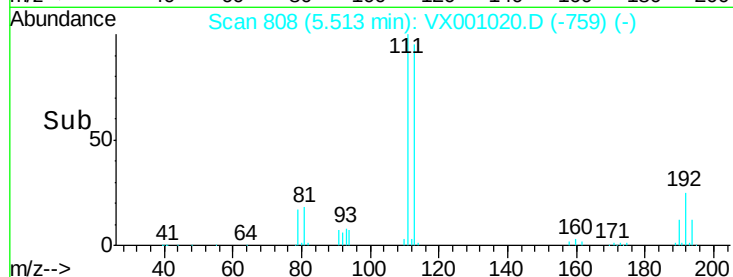
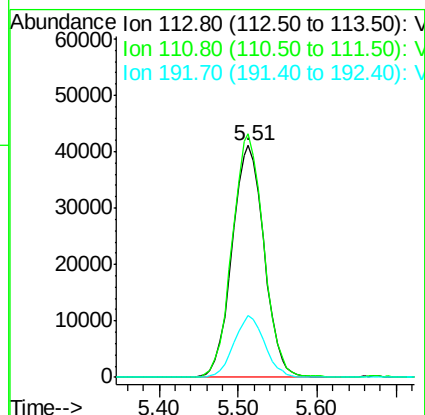
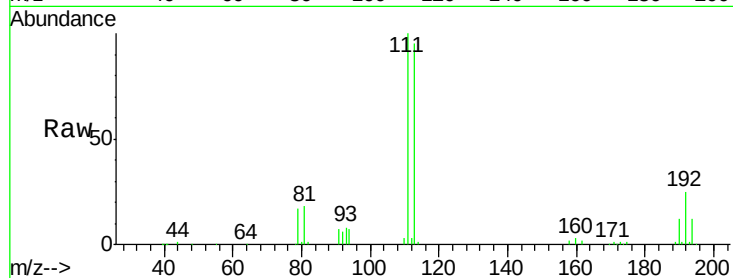
Tot Ion:113 Resp: 116124

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.2

192 25.6 20.4 30.6



#36

1,1-Dichloropropene

Concen: 3.74 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001020.D

Acq: 20 Apr 2018 20:06

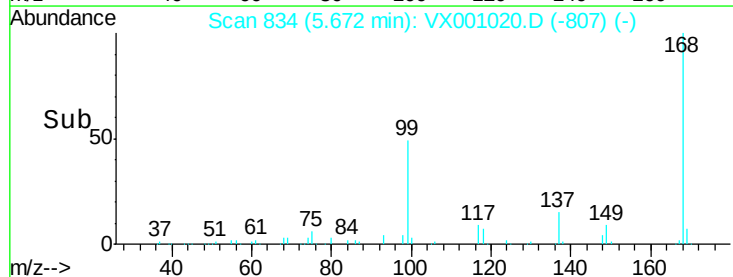
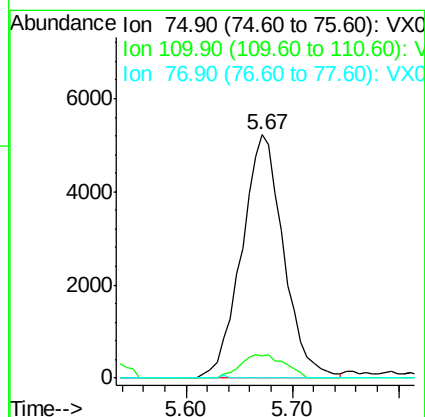
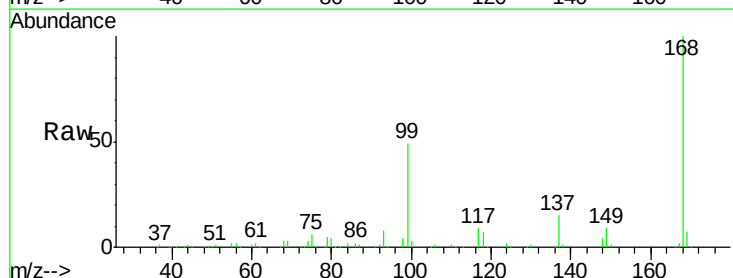
Tgt Ion: 75 Resp: 14413

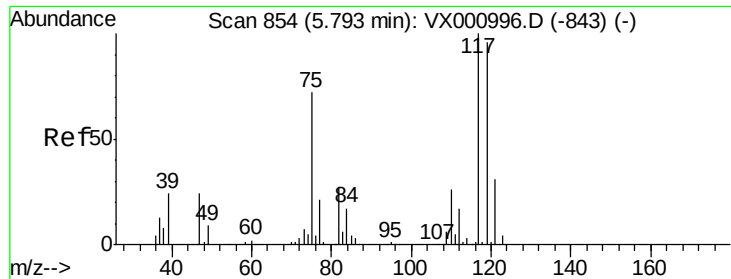
Ion Ratio Lower Upper

75 100

110 10.3 18.7 56.1#

77 0.0 25.0 37.4#

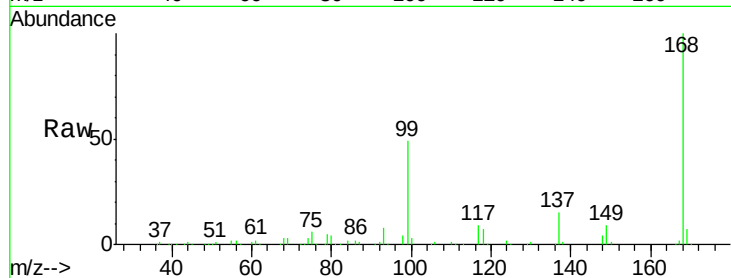




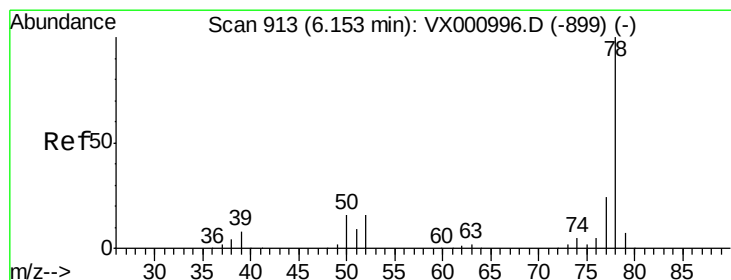
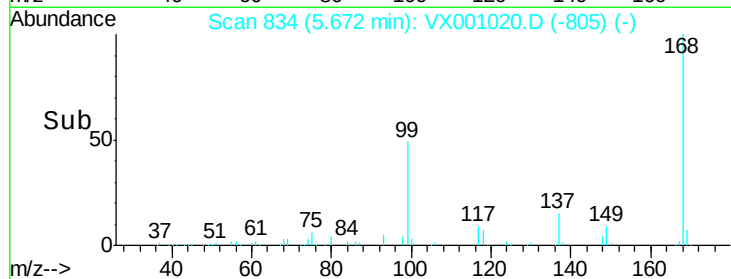
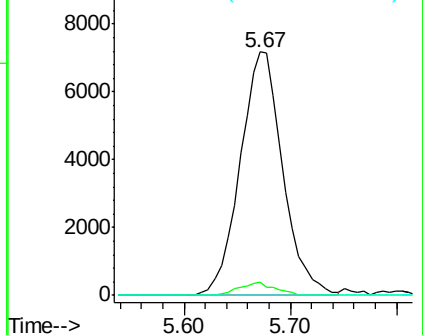
#38
Carbon Tetrachloride
Concen: 5.16 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX001020.D
Acq: 20 Apr 2018 20:06

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 20137
Ion Ratio Lower Upper
117 100
119 5.6 76.5 114.7#
121 0.0 24.5 36.7#

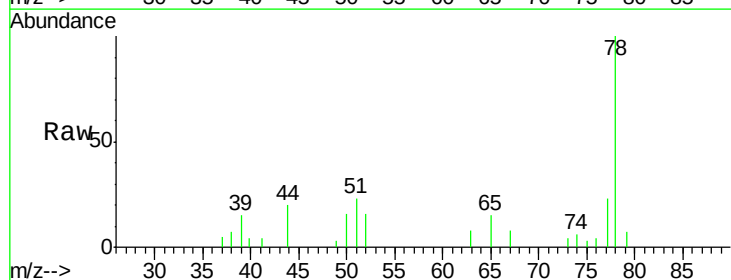


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

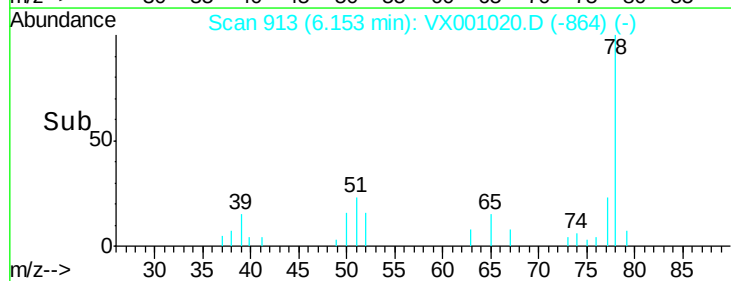
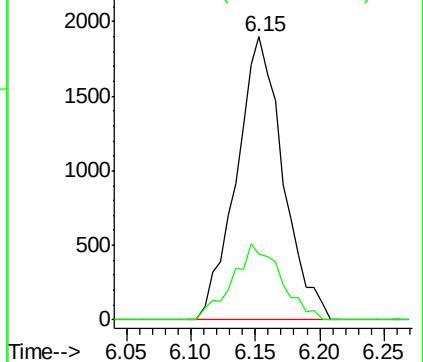


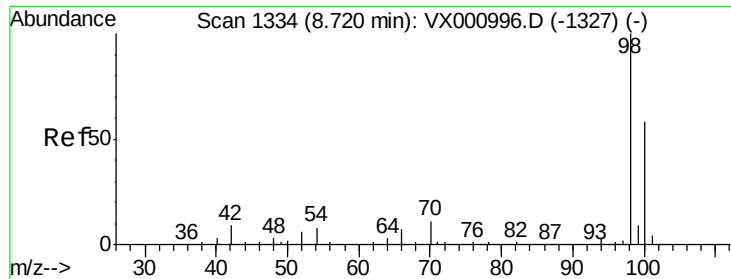
#40
Benzene
Concen: 0.44 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX001020.D
Acq: 20 Apr 2018 20:06

Tgt Ion: 78 Resp: 4761
Ion Ratio Lower Upper
78 100
77 23.3 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

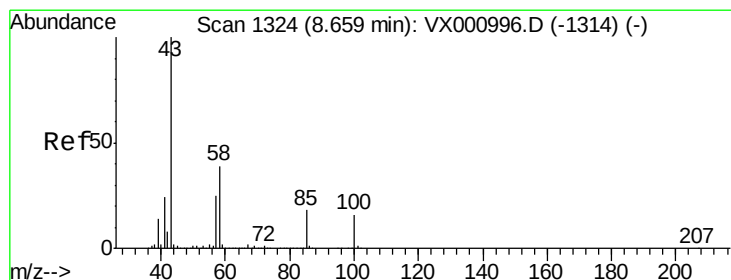
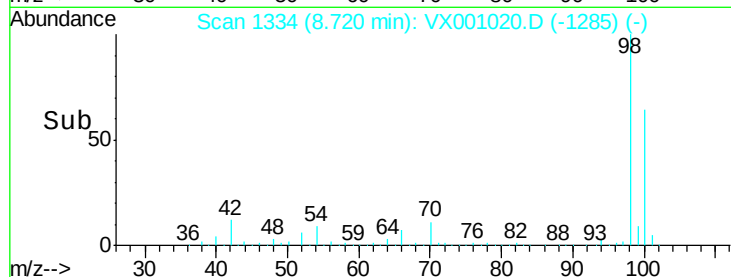
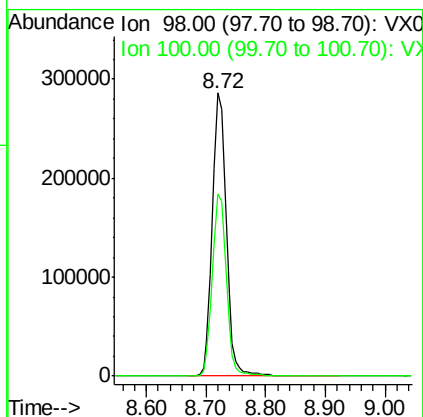
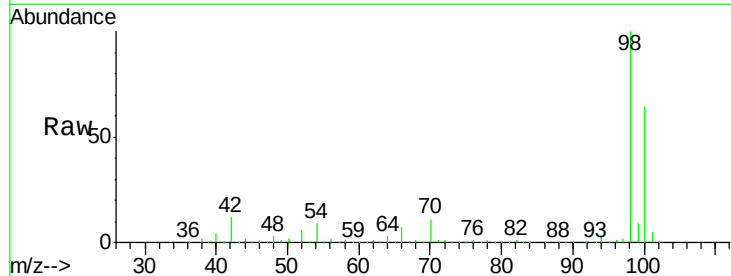




#50
Toluene-d8
Concen: 49.74 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001020.D
Acq: 20 Apr 2018 20:06

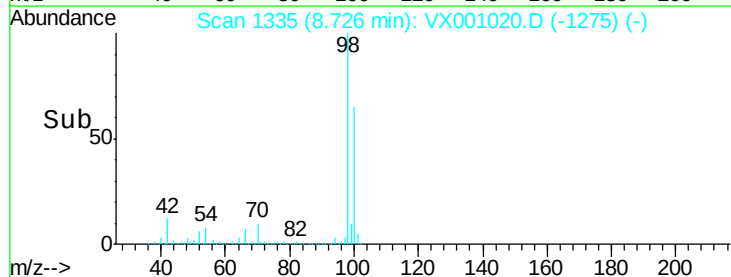
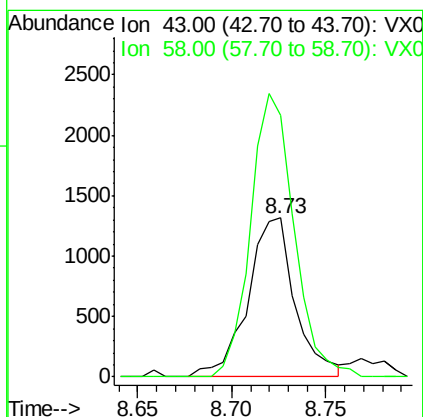
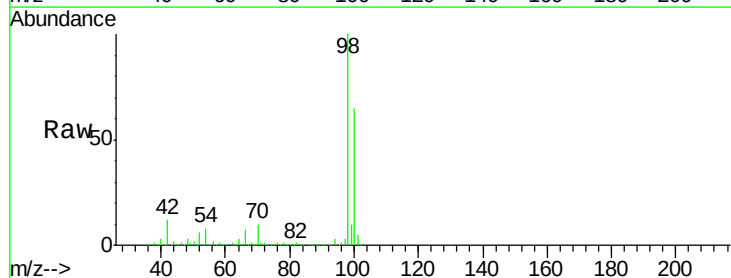
Instrument :
MSVOA_X
ClientSampleId :

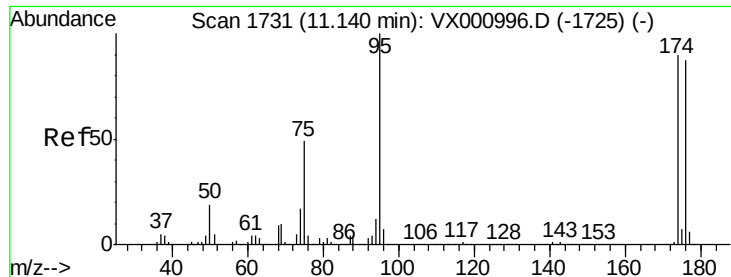
Tot Ion: 98 Resp: 460376
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.62 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.07 min
Lab File: VX001020.D
Acq: 20 Apr 2018 20:06

Tgt Ion: 43 Resp: 2294
Ion Ratio Lower Upper
43 100
58 163.8 30.2 45.4#

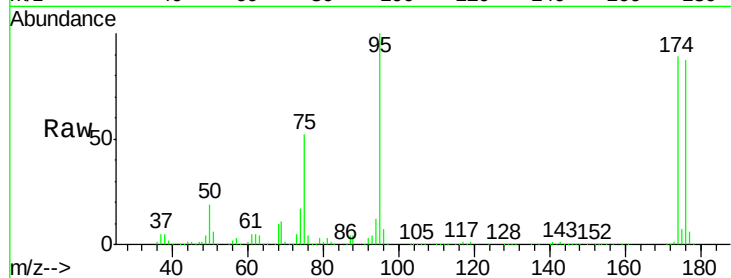




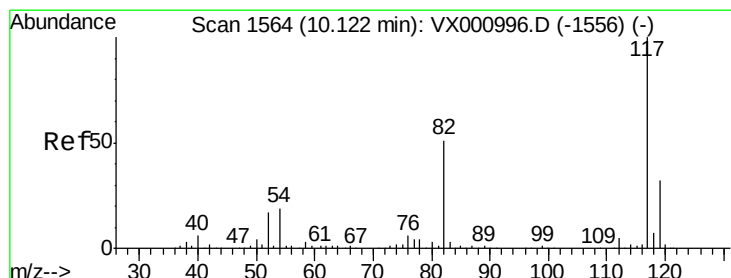
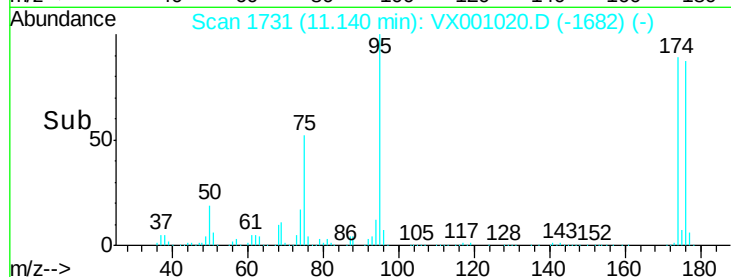
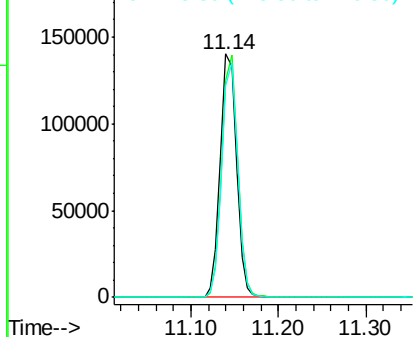
#62
4-Bromofluorobenzene
Concen: 46.62 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001020.D
Acq: 20 Apr 2018 20:06

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 181088
Ion Ratio Lower Upper
95 100
174 97.0 0.0 198.4
176 94.2 0.0 192.0

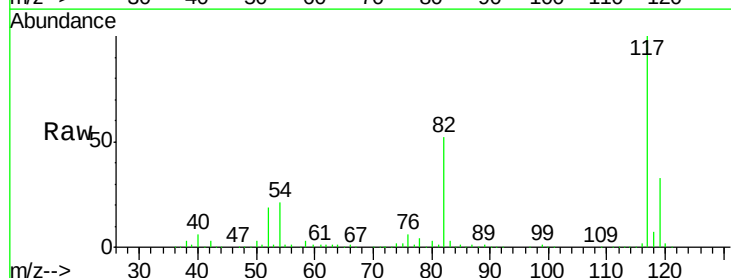


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

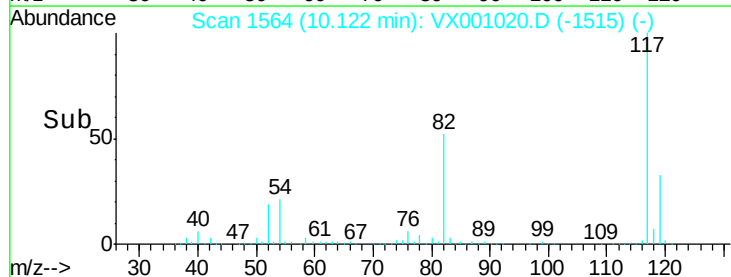
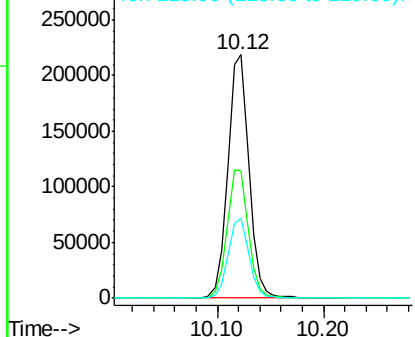


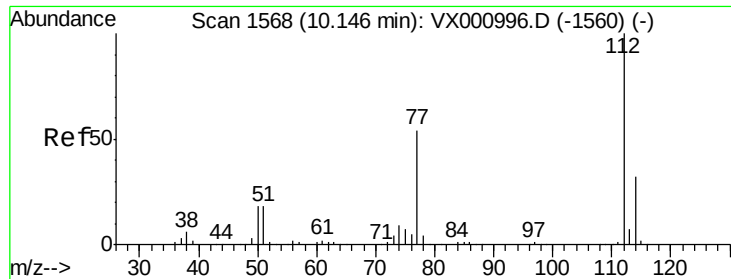
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001020.D
Acq: 20 Apr 2018 20:06

Tgt Ion: 117 Resp: 305434
Ion Ratio Lower Upper
117 100
82 52.3 40.6 60.8
119 32.8 26.0 39.0



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





#65

Chlorobenzene

Concen: 4.74 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001020.D

Acq: 20 Apr 2018 20:06

Instrument :

MSVOA_X

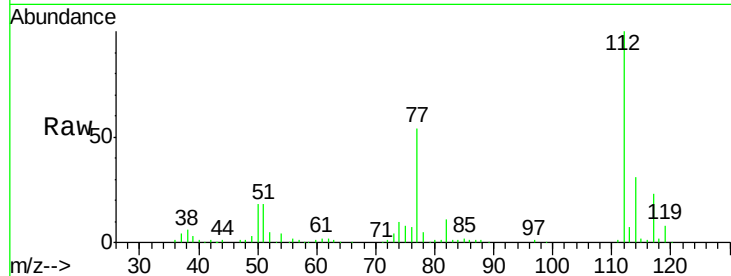
ClientSampleId :

Tot Ion:112 Resp: 38544

Ion Ratio Lower Upper

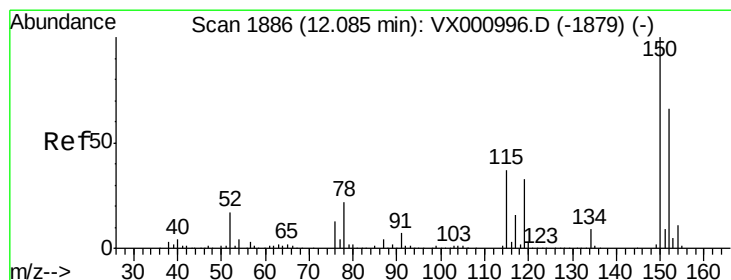
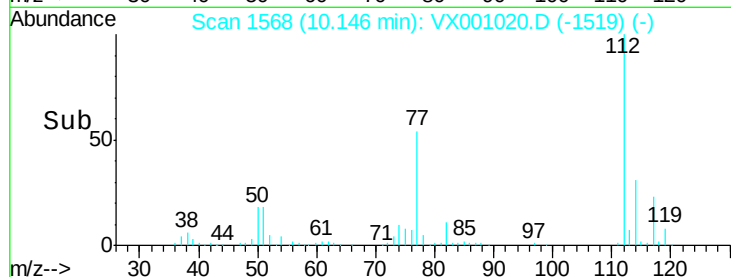
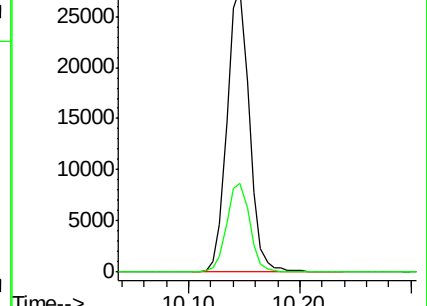
112 100

114 31.3 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): 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: VX001020.D

Acq: 20 Apr 2018 20:06

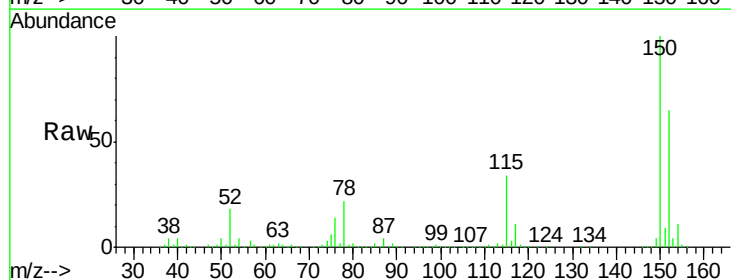
Tgt Ion:152 Resp: 205314

Ion Ratio Lower Upper

152 100

115 53.4 38.2 114.6

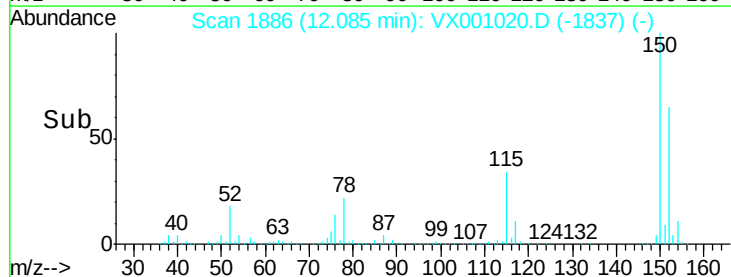
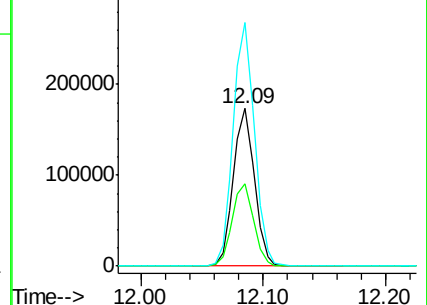
150 156.0 0.0 350.4

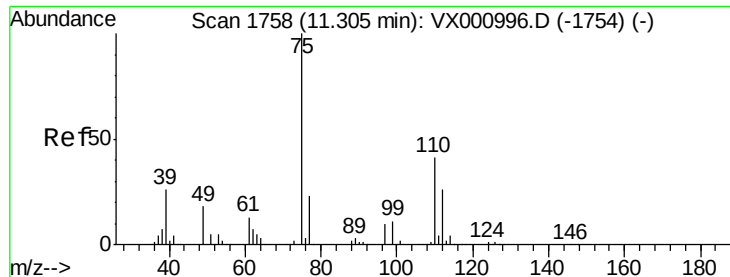


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.41 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001020.D

Acq: 20 Apr 2018 20:06

Instrument :

MSVOA_X

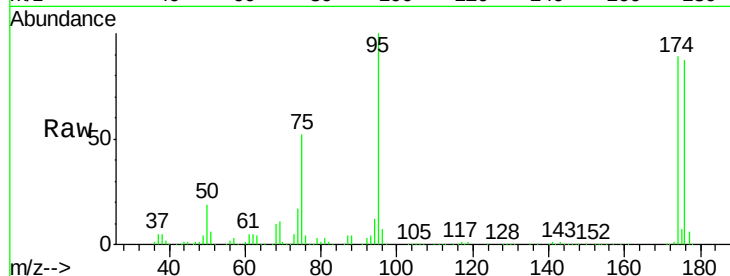
ClientSampled :

Tot Ion: 75 Resp: 90497

Ion Ratio Lower Upper

75 100

77 1.0 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

80000

60000

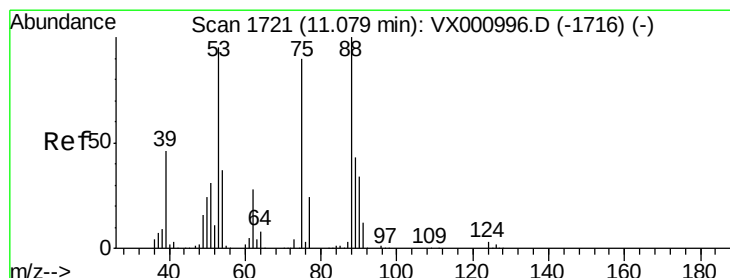
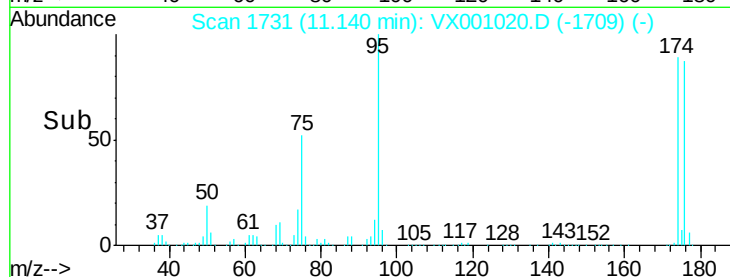
40000

20000

0

11.10 11.20

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 76.15 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001020.D

Acq: 20 Apr 2018 20:06

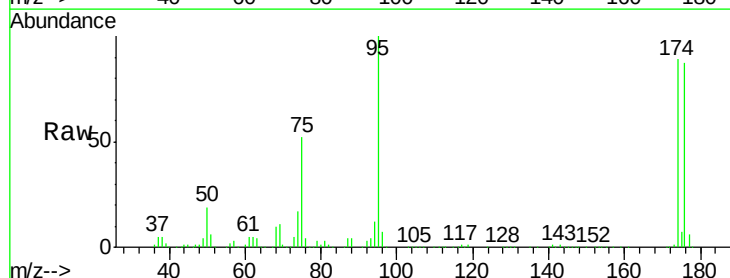
Tgt Ion: 75 Resp: 90497

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.1 39.7 59.5#



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

100000

80000

60000

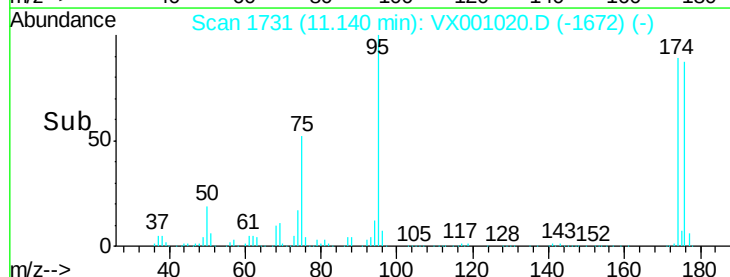
40000

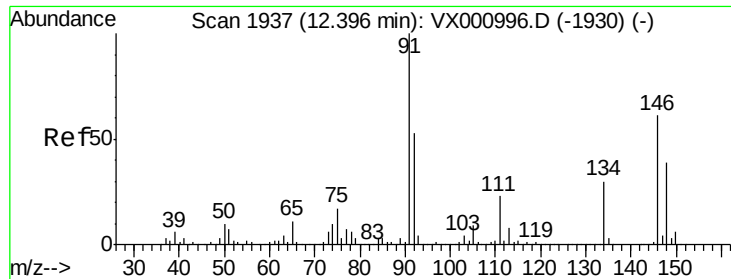
20000

0

11.10 11.20

Time-->





#91

1,2-Dichlorobenzene

Concen: 0.51 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001020.D

Acq: 20 Apr 2018 20:06

Instrument :

MSVOA_X

ClientSampleId :

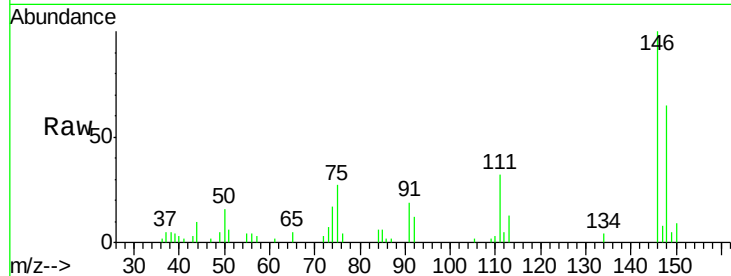
Tot Ion:146 Resp: 3586

Ion Ratio Lower Upper

146 100

111 36.2 18.6 56.0

148 64.4 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

