

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042018\
 Data File : VX001015.D
 Acq On : 20 Apr 2018 17:59
 Operator : JC/MD
 Sample : J2349-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 21 05:36:44 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	235917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	330273	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	308309	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	205919	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	151713	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
35) Dibromofluoromethane	5.51	113	116637	46.31	ug/l	0.00
Spiked Amount			Recovery	=	92.62%	
50) Toluene-d8	8.72	98	462942	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	11.14	95	182949	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	

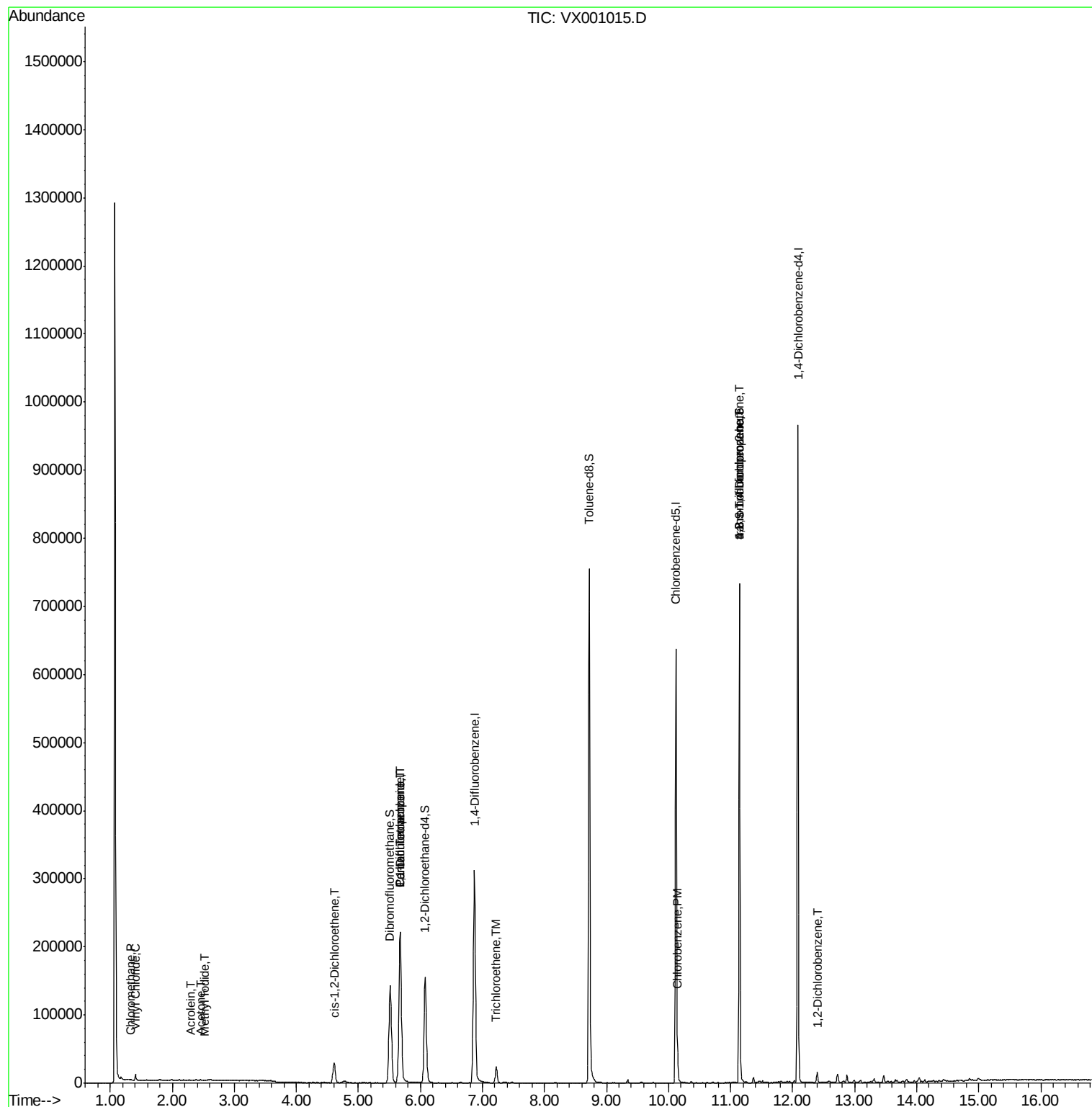
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	573	0.21	ug/l	89
4) Vinyl Chloride	1.40	62	6294	2.23	ug/l	97
5) Bromomethane	1.65	94	278	Below Cal	#	25
10) Methyl Iodide	2.51	142	205	7.67	ug/l	# 71
13) Acrolein	2.29	56	77	11.46	ug/l	99
16) Acetone	2.45	43	1295	1.15	ug/l	100
20) Methylene Chloride	2.86	84	59	Below Cal	#	56
27) cis-1,2-Dichloroethene	4.61	96	18213	6.39	ug/l	90
36) 1,1-Dichloropropene	5.67	75	14418	3.71	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	20270	5.16	ug/l	# 17
44) Trichloroethene	7.22	130	9293	2.82	ug/l	98
65) Chlorobenzene	10.15	112	12249	1.49	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	91474	25.60	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	91474	76.72	ug/l	# 8
91) 1,2-Dichlorobenzene	12.40	146	3740	0.53	ug/l	97

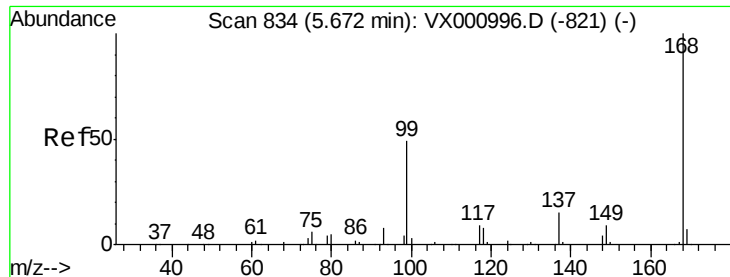
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001015.D

Acq: 20 Apr 2018 17:59

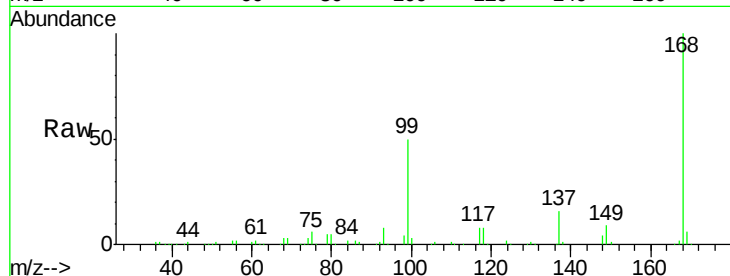
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 235917

Ion Ratio Lower Upper

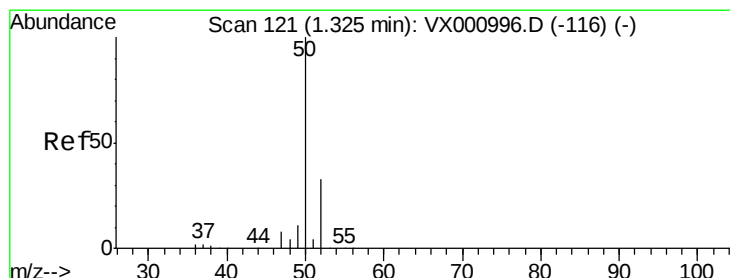
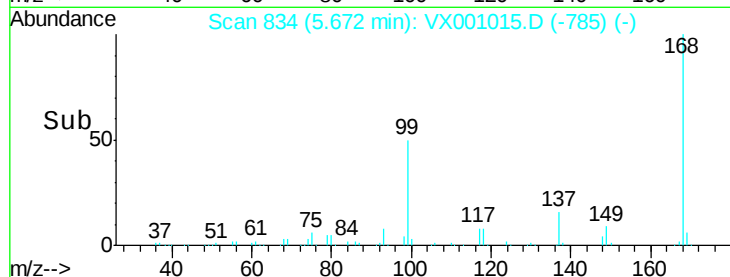
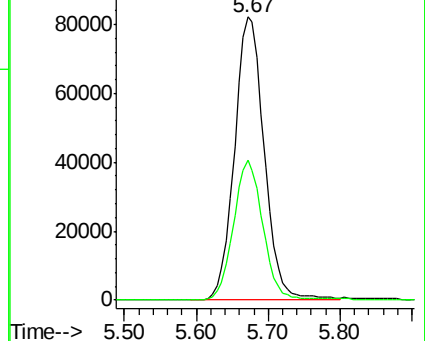
168 100

99 49.6 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.21 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001015.D

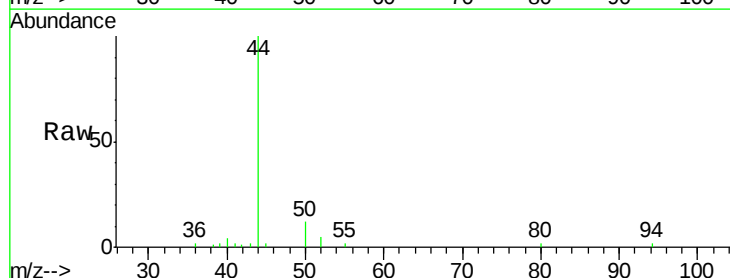
Acq: 20 Apr 2018 17:59

Tgt Ion: 50 Resp: 573

Ion Ratio Lower Upper

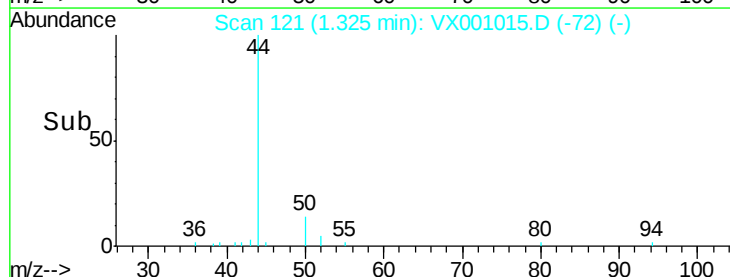
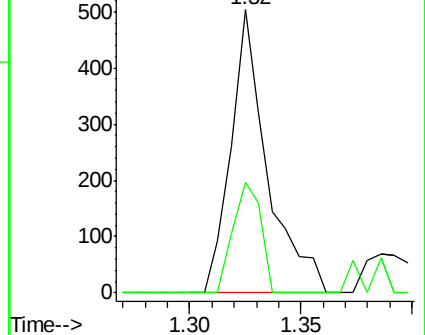
50 100

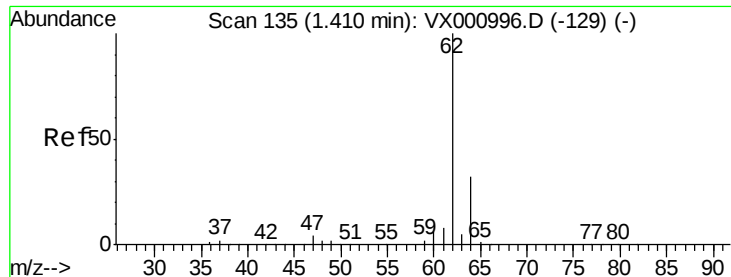
52 39.0 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 2.23 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001015.D

Acq: 20 Apr 2018 17:59

Instrument :

MSVOA_X

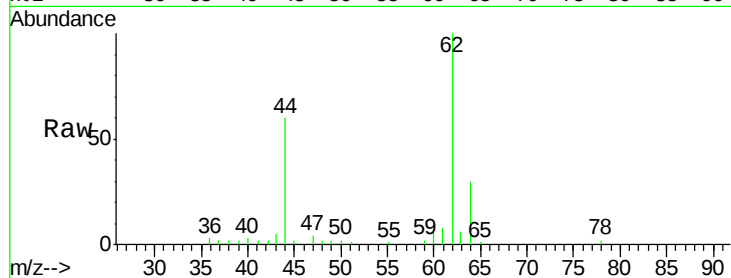
ClientSampled :

Tot Ion: 62 Resp: 6294

Ion Ratio Lower Upper

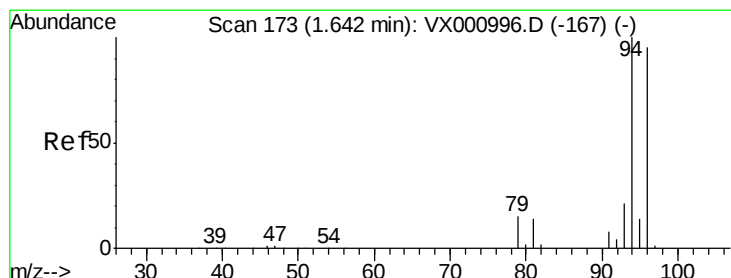
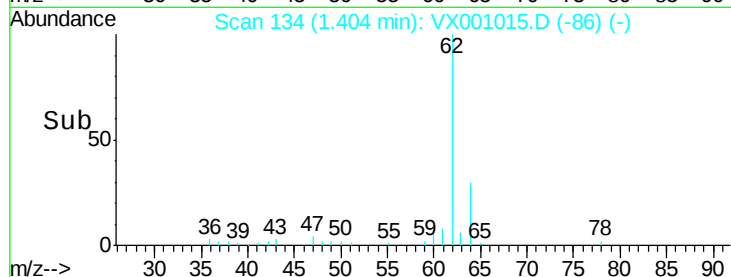
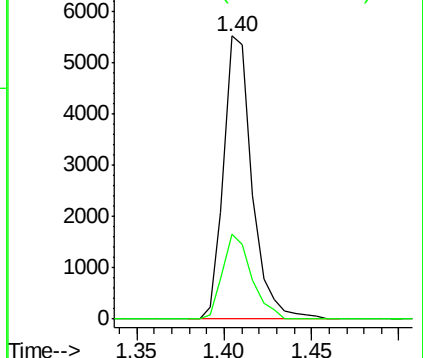
62 100

64 30.1 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: VX001015.D

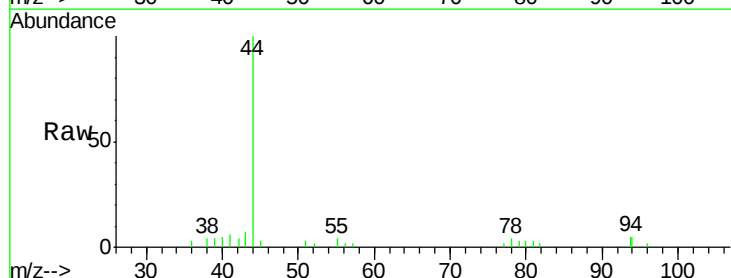
Acq: 20 Apr 2018 17:59

Tgt Ion: 94 Resp: 278

Ion Ratio Lower Upper

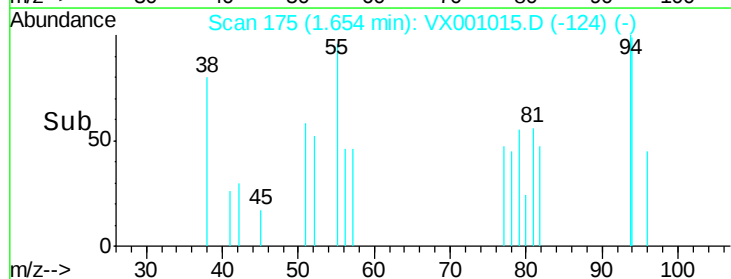
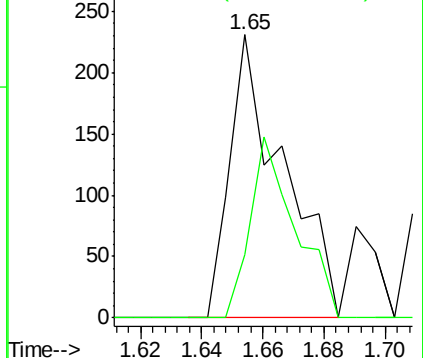
94 100

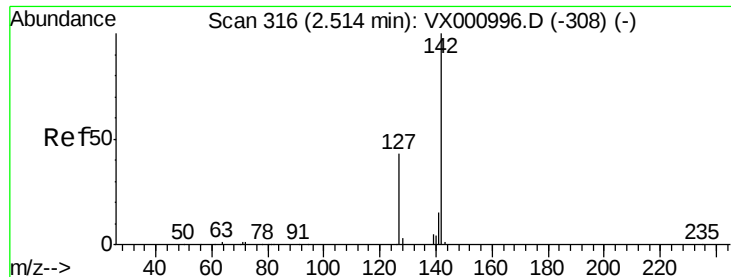
96 22.5 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methvl Iodide

Concen: 7.67 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX001015.D

Acq: 20 Apr 2018 17:59

Instrument :

MSVOA_X

ClientSampleId :

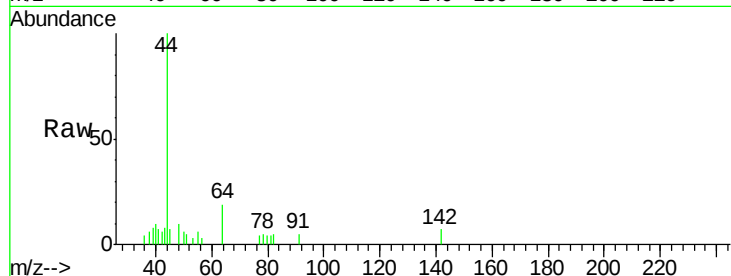
Tot Ion:142 Resp: 205

Ion Ratio Lower Upper

142 100

127 25.4 34.0 51.0#

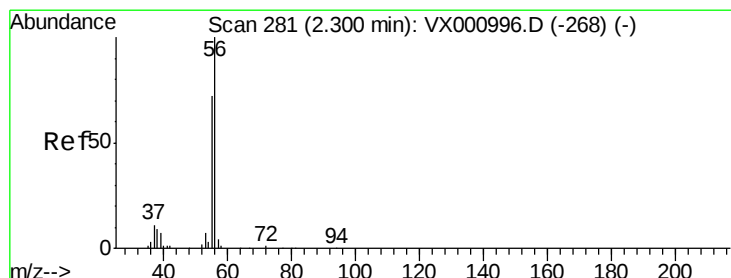
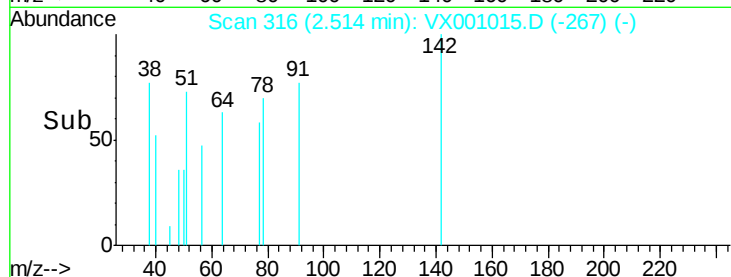
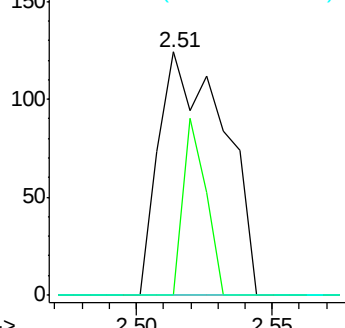
141 0.0 11.4 17.2#



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



#13

Acrolein

Concen: 11.46 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001015.D

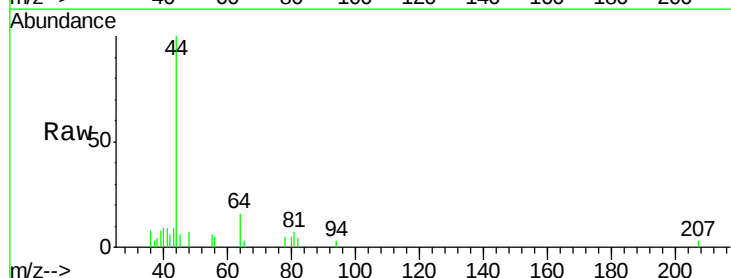
Acq: 20 Apr 2018 17:59

Tgt Ion: 56 Resp: 77

Ion Ratio Lower Upper

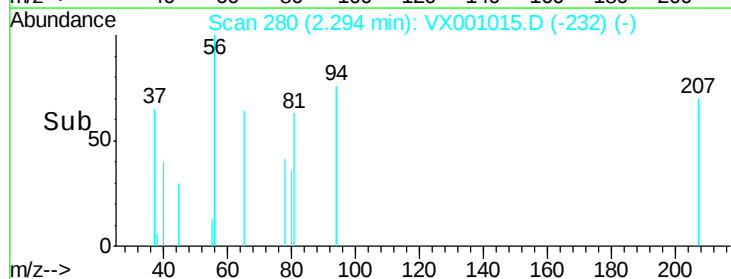
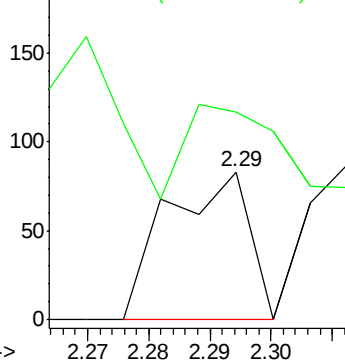
56 100

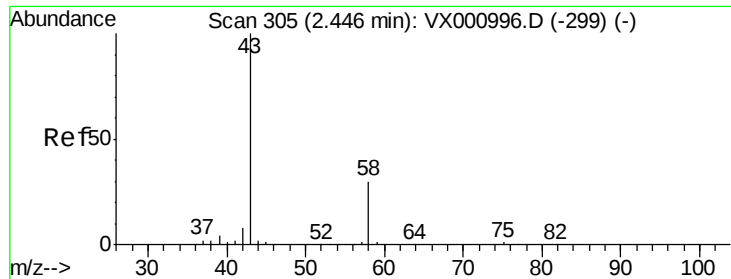
55 72.7 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.15 ua/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001015.D

Acq: 20 Apr 2018 17:59

Instrument :

MSVOA_X

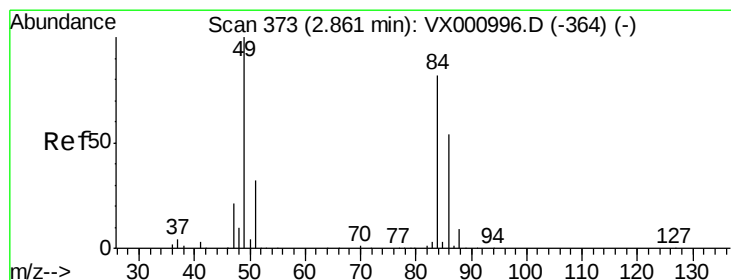
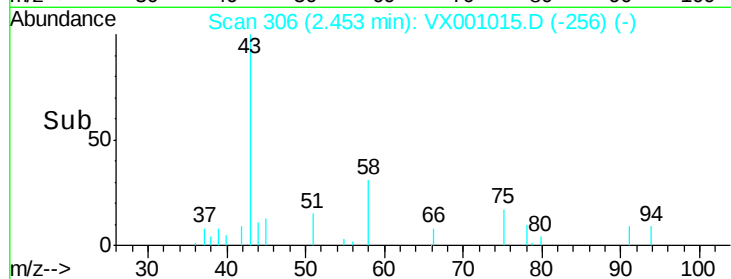
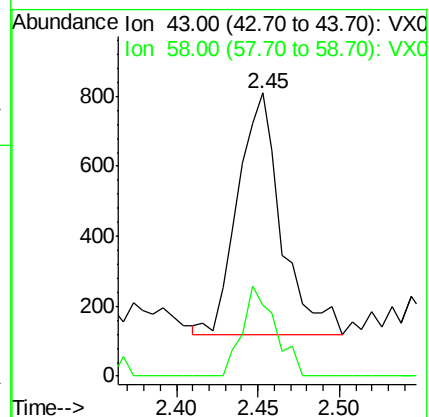
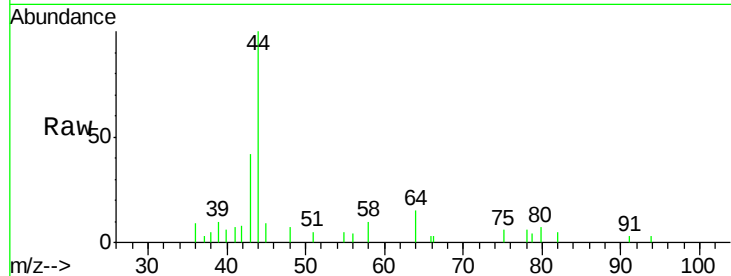
ClientSampled :

Tot Ion: 43 Resp: 1295

Ion Ratio Lower Upper

43 100

58 29.3 23.7 35.5



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001015.D

Acq: 20 Apr 2018 17:59

Tgt Ion: 84 Resp: 59

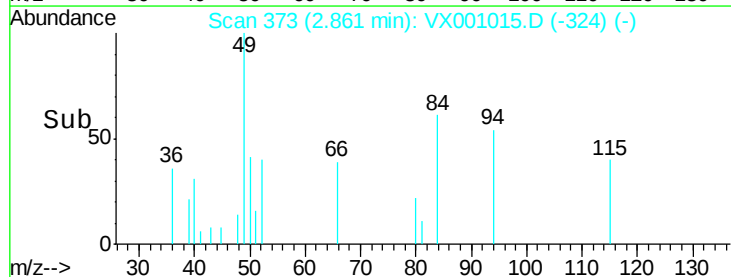
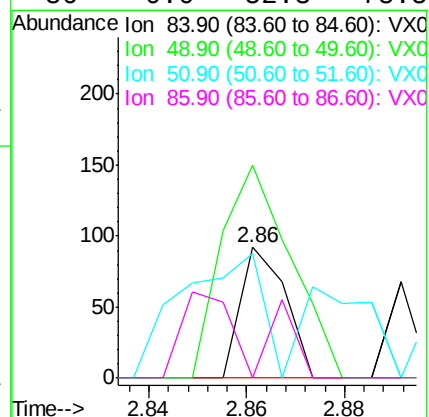
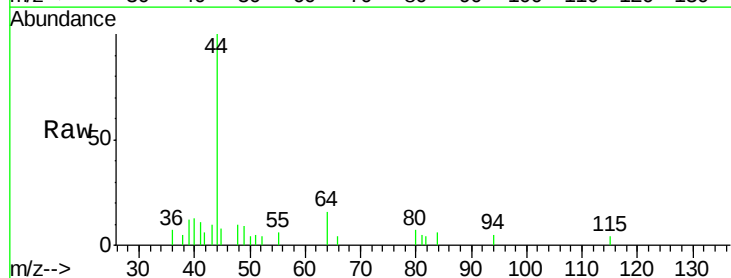
Ion Ratio Lower Upper

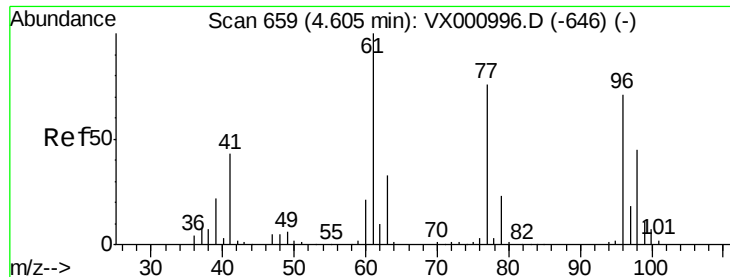
84 100

49 163.0 97.1 145.7#

51 38.0 30.8 46.2

86 0.0 52.3 78.5#



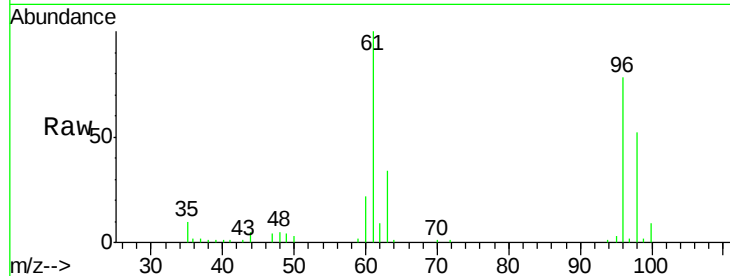


#27

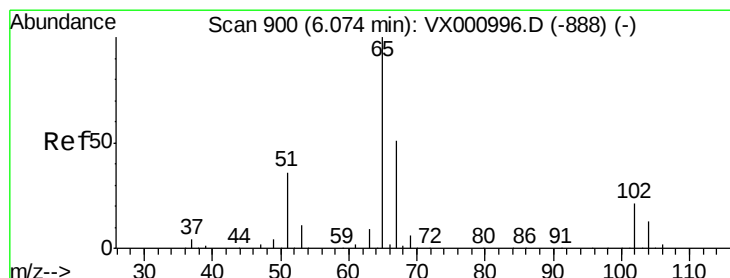
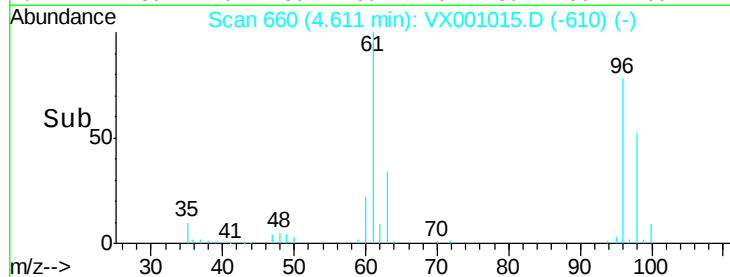
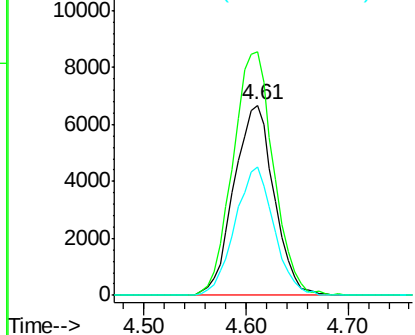
cis-1,2-Dichloroethene
Concen: 6.39 ug/l
RT: 4.61 min Scan# 660
Delta R.T. 0.01 min
Lab File: VX001015.D
Acq: 20 Apr 2018 17:59

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 96 Resp: 18213
Ion Ratio Lower Upper
96 100
61 130.0 0.0 297.0
98 65.6 0.0 130.0



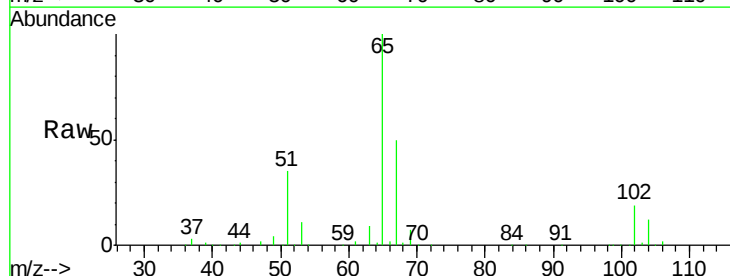
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



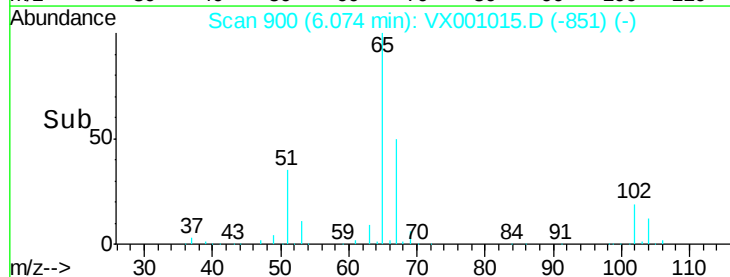
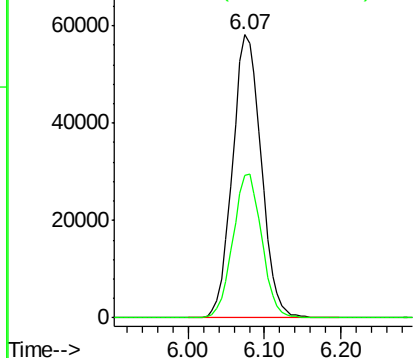
#33

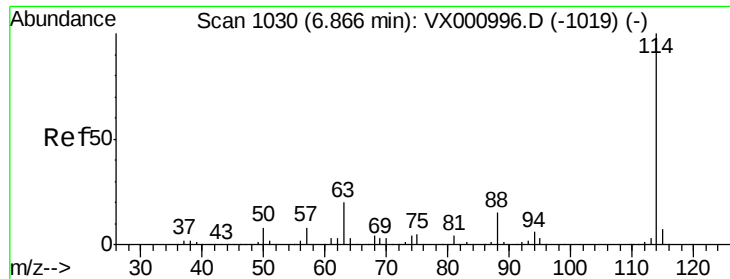
1,2-Dichloroethane-d4
Concen: 50.73 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX001015.D
Acq: 20 Apr 2018 17:59

Tgt Ion: 65 Resp: 151713
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.6



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

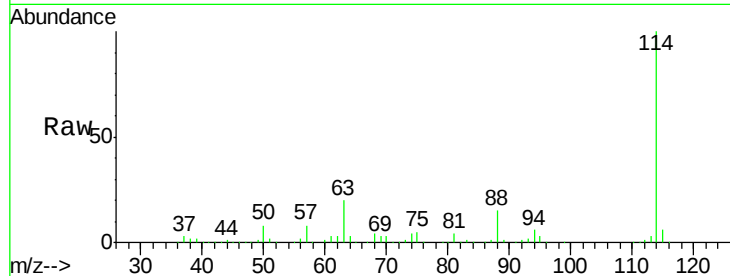




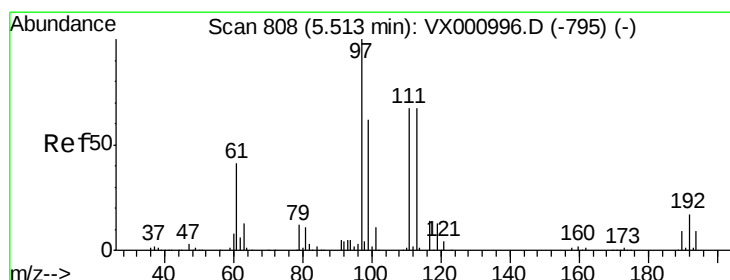
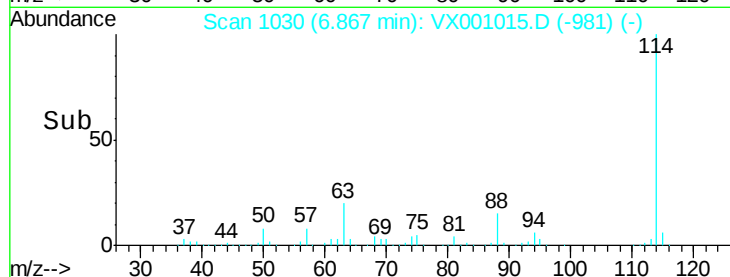
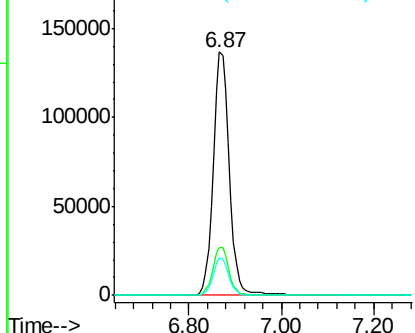
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001015.D
 Acq: 20 Apr 2018 17:59

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 330273
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.4
 88 15.2 0.0 29.8

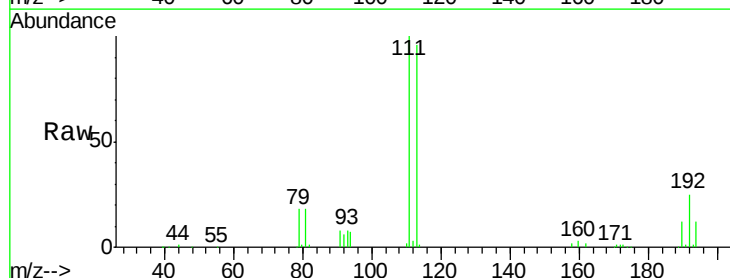


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

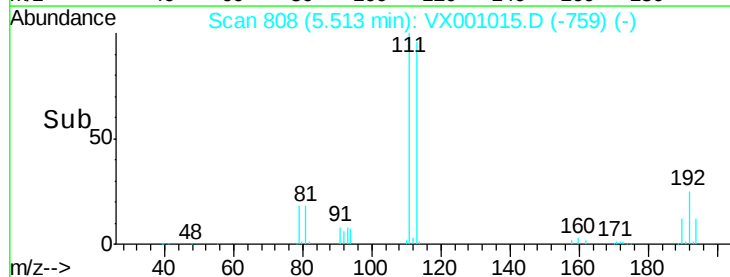
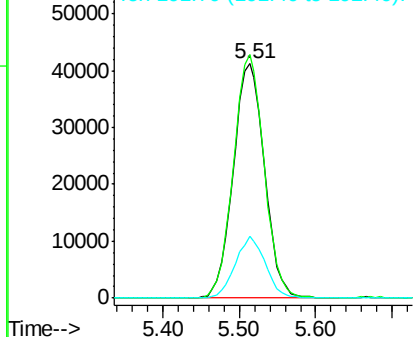


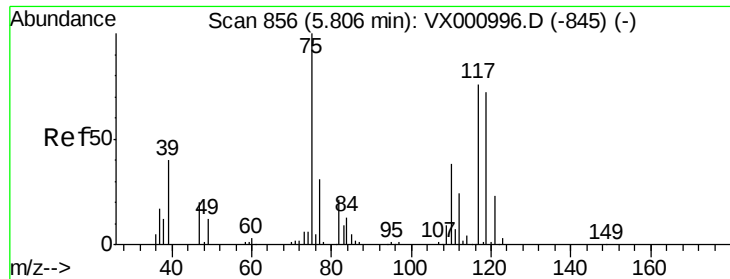
#35
 Dibromofluoromethane
 Concen: 46.31 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001015.D
 Acq: 20 Apr 2018 17:59

Tgt Ion:113 Resp: 116637
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.4 122.2
 192 25.3 20.4 30.6



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

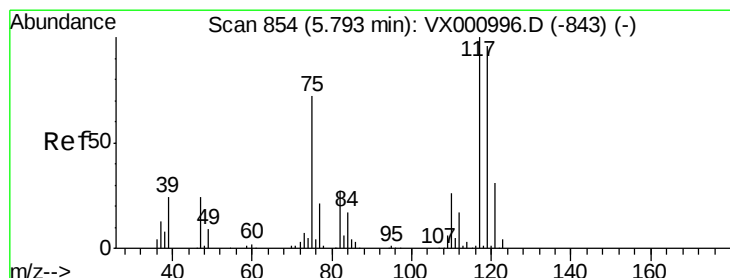
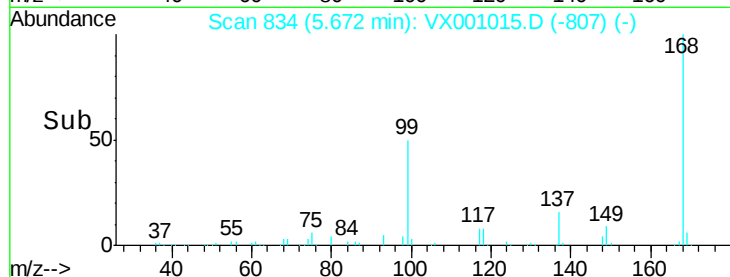
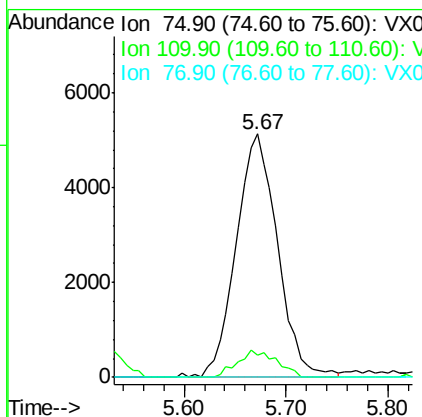
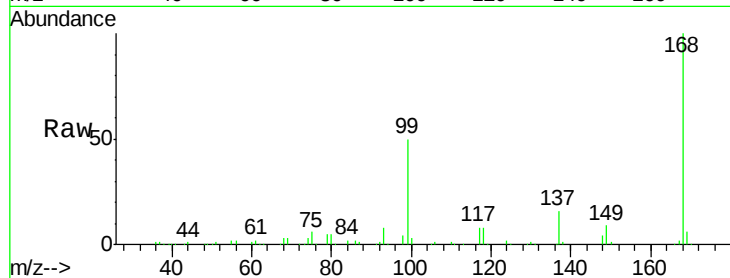




#36
 1,1-Dichloropropene
 Concen: 3.71 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001015.D
 Acq: 20 Apr 2018 17:59

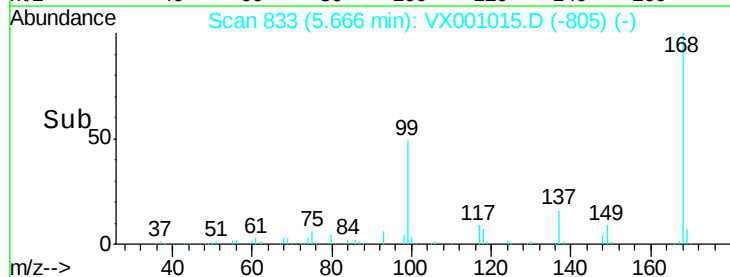
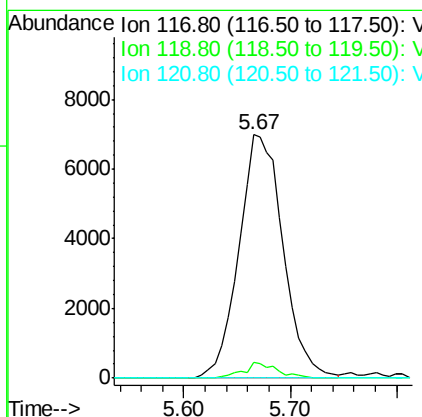
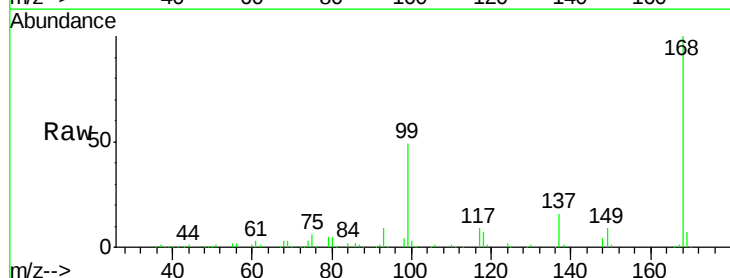
Instrument :
 MSVOA_X
 ClientSampleId :

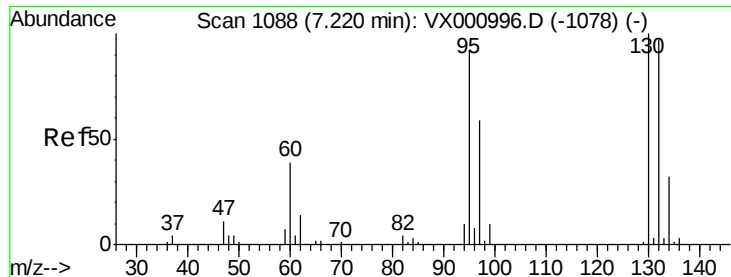
Tot Ion: 75 Resp: 14418
 Ion Ratio Lower Upper
 75 100
 110 10.4 18.7 56.1#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.16 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX001015.D
 Acq: 20 Apr 2018 17:59

Tgt Ion: 117 Resp: 20270
 Ion Ratio Lower Upper
 117 100
 119 6.4 76.5 114.7#
 121 0.0 24.5 36.7#





#44

Trichloroethene

Concen: 2.82 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001015.D

Acq: 20 Apr 2018 17:59

Instrument :

MSVOA_X

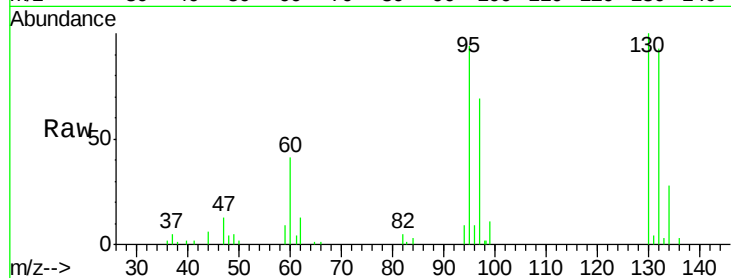
ClientSampleId :

Tot Ion:130 Resp: 9293

Ion Ratio Lower Upper

130 100

95 93.6 0.0 184.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

4000

3000

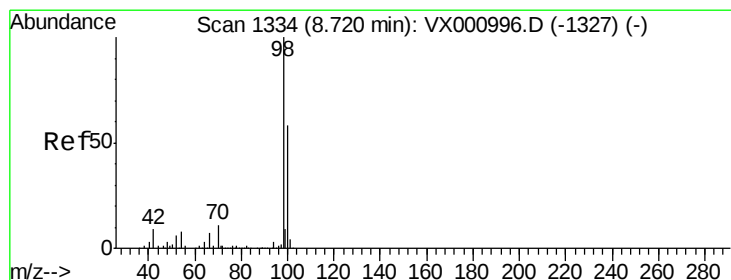
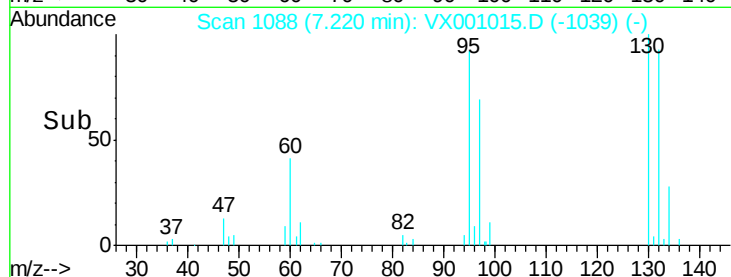
2000

1000

0

Time-->

7.15 7.20 7.25 7.30



#50

Toluene-d8

Concen: 49.71 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001015.D

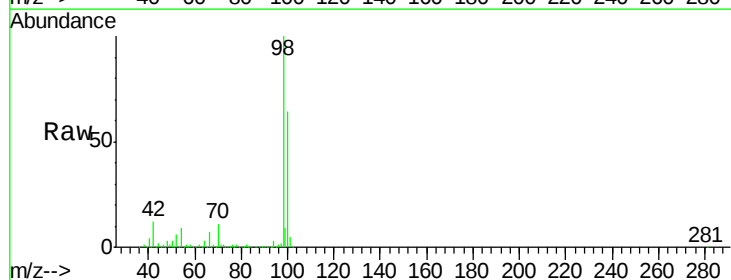
Acq: 20 Apr 2018 17:59

Tgt Ion: 98 Resp: 462942

Ion Ratio Lower Upper

98 100

100 63.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.72

300000

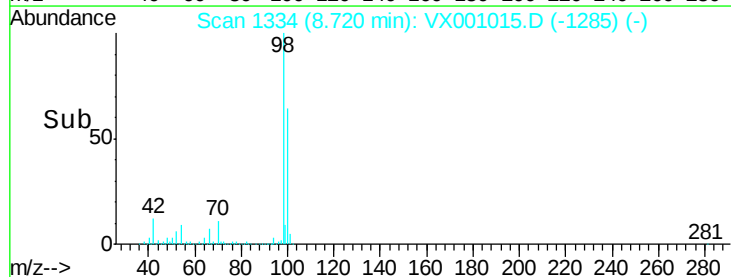
200000

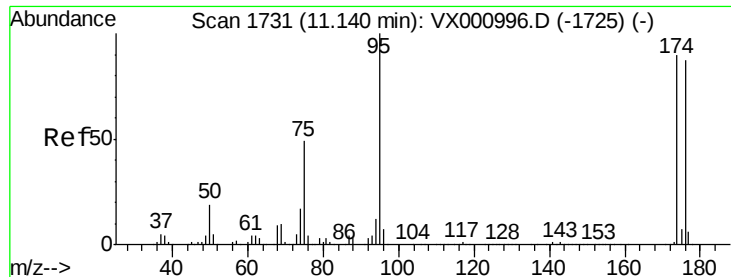
100000

0

Time-->

8.60 8.70 8.80 8.90

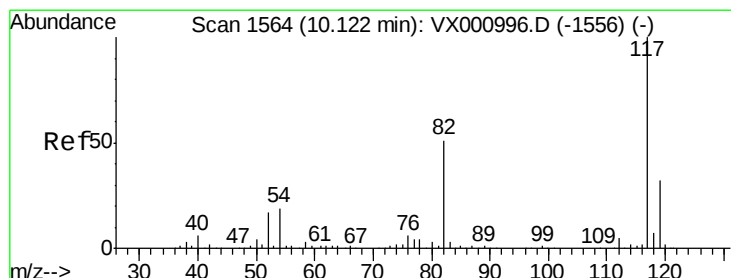
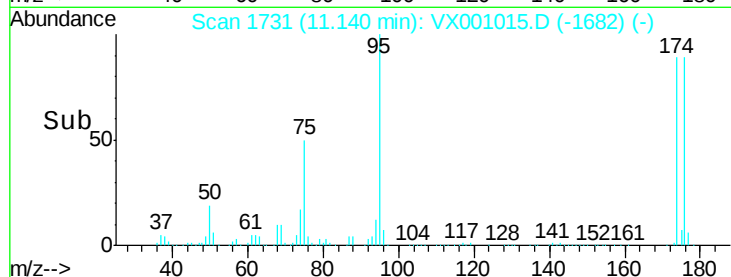
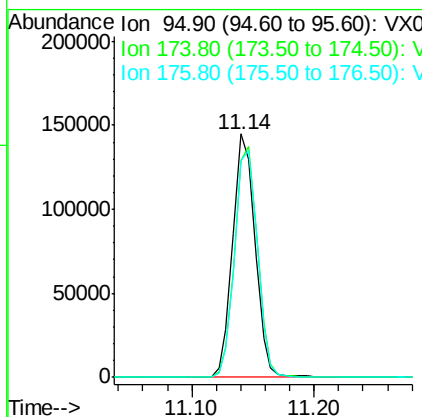
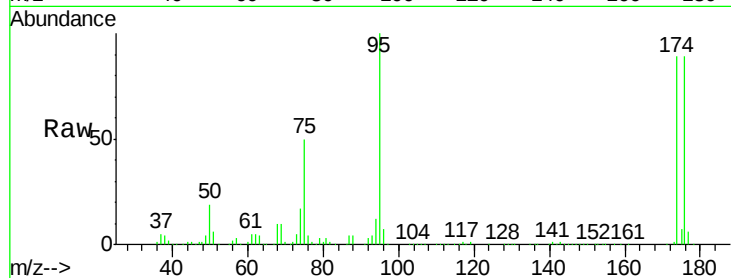




#62
4-Bromofluorobenzene
Concen: 46.81 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001015.D
Acq: 20 Apr 2018 17:59

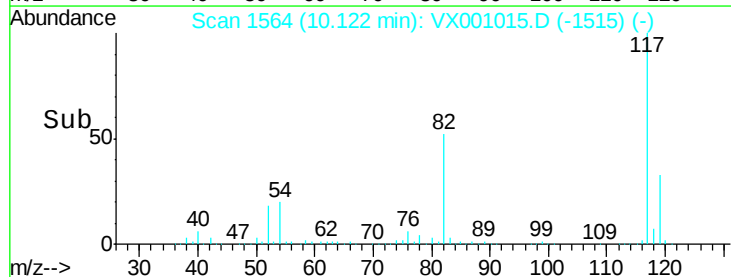
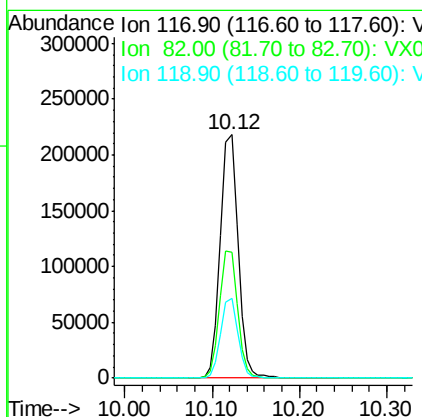
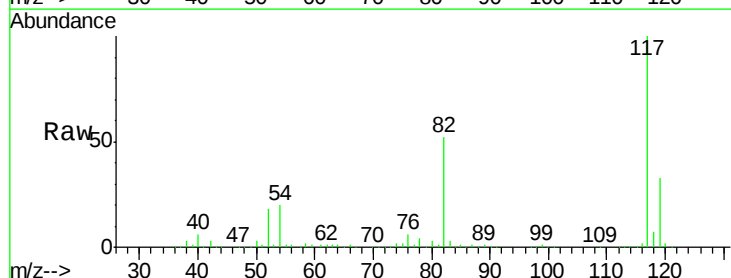
Instrument :
MSVOA_X
ClientSampleId :

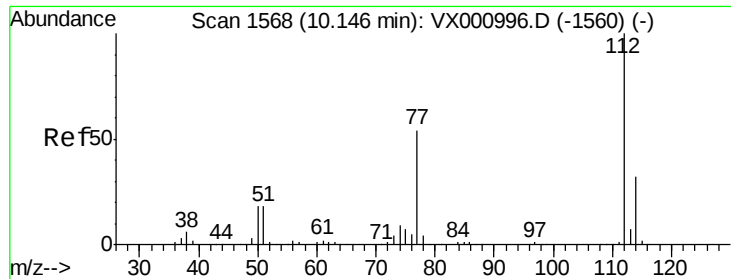
Tot Ion	95	Resp	182949
Ion Ratio	Lower	Upper	
95	100		
174	96.3	0.0	198.4
176	95.1	0.0	192.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001015.D
Acq: 20 Apr 2018 17:59

Tgt Ion	117	Resp	308309
Ion Ratio	Lower	Upper	
117	100		
82	51.7	40.6	60.8
119	32.5	26.0	39.0

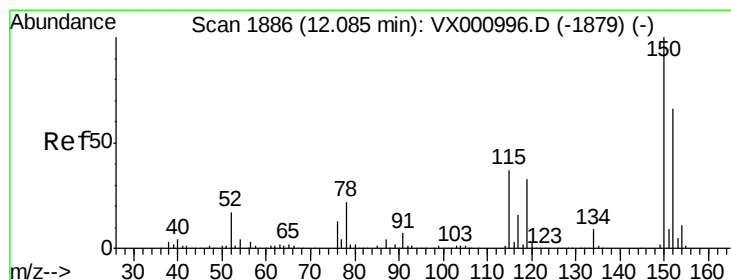
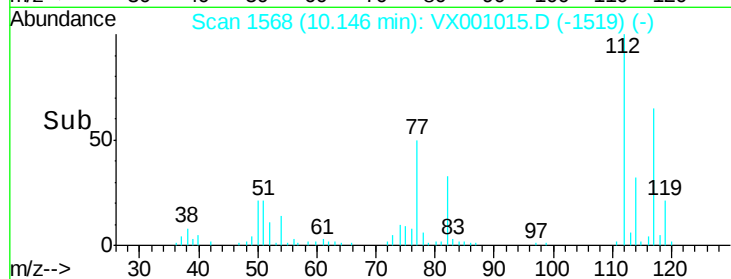
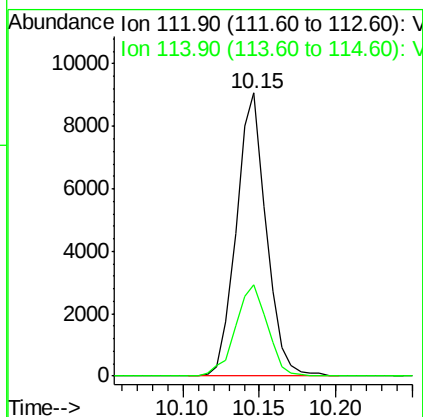
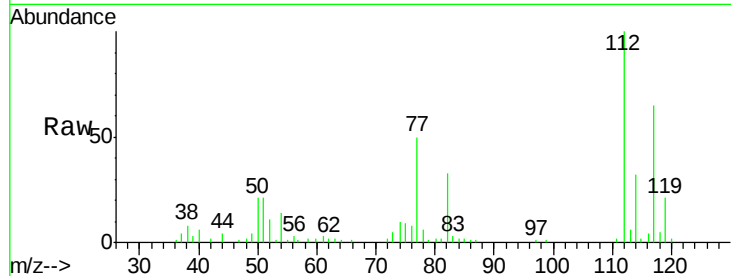




#65
Chlorobenzene
Concen: 1.49 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001015.D
Acq: 20 Apr 2018 17:59

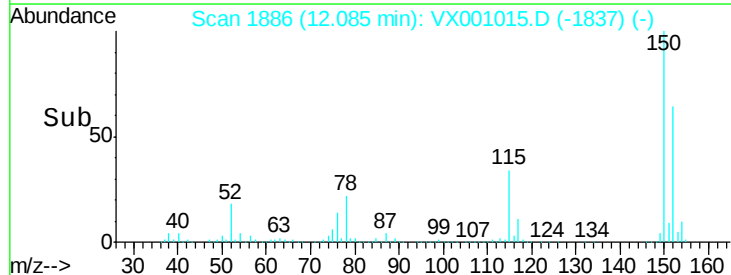
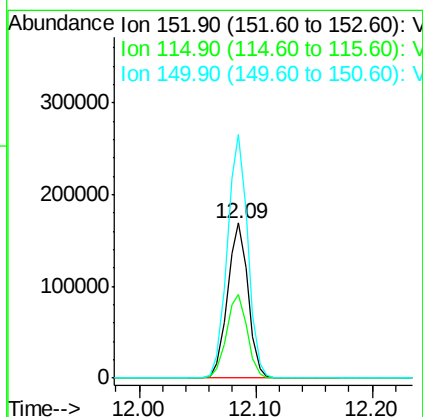
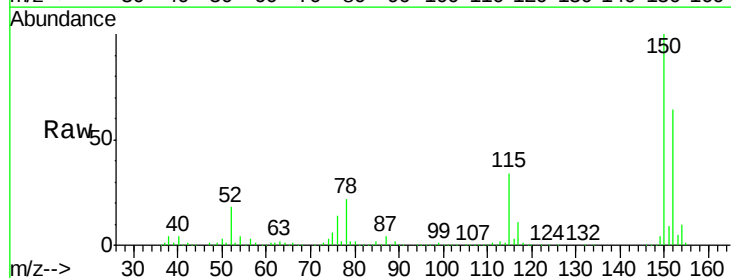
Instrument :
MSVOA_X
ClientSampleId :

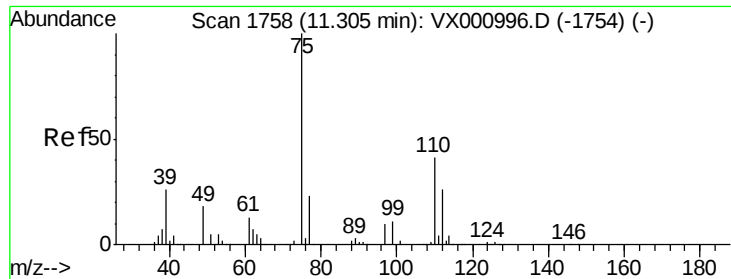
Tot Ion:112 Resp: 12249
Ion Ratio Lower Upper
112 100
114 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001015.D
Acq: 20 Apr 2018 17:59

Tgt Ion:152 Resp: 205919
Ion Ratio Lower Upper
152 100
115 54.5 38.2 114.6
150 156.5 0.0 350.4





#76

1,2,3-Trichloropropane

Concen: 25.60 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001015.D

Acq: 20 Apr 2018 17:59

Instrument :

MSVOA_X

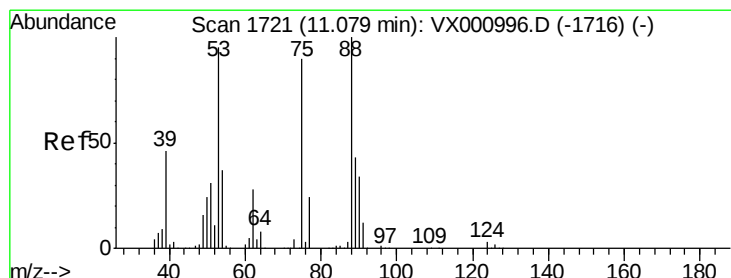
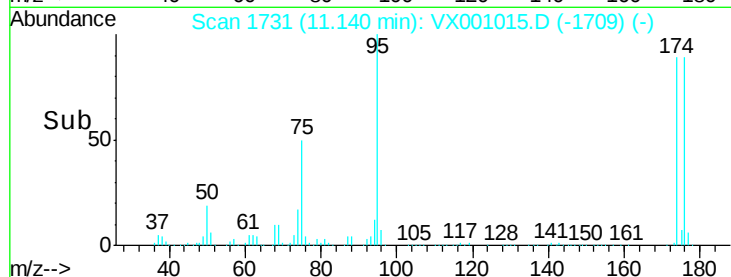
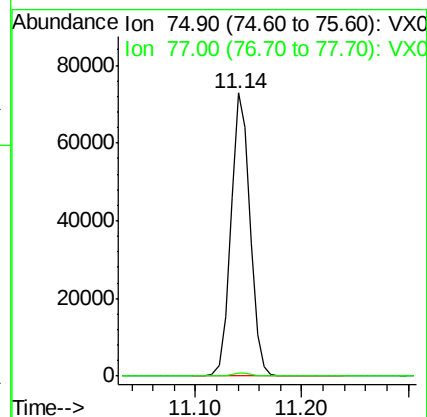
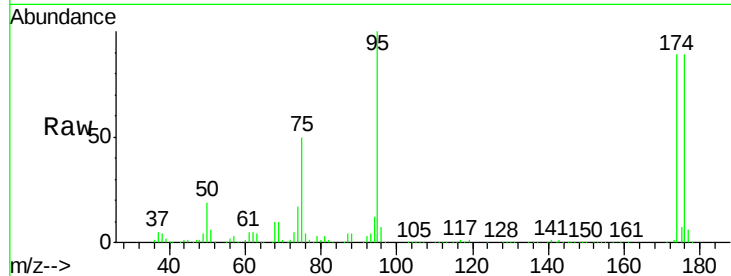
ClientSampled :

Tot Ion: 75 Resp: 91474

Ion Ratio Lower Upper

75 100

77 1.1 19.6 58.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.72 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001015.D

Acq: 20 Apr 2018 17:59

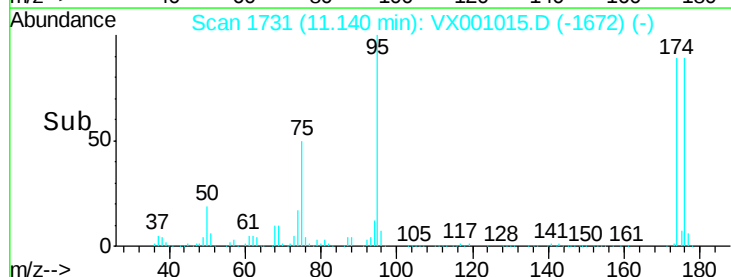
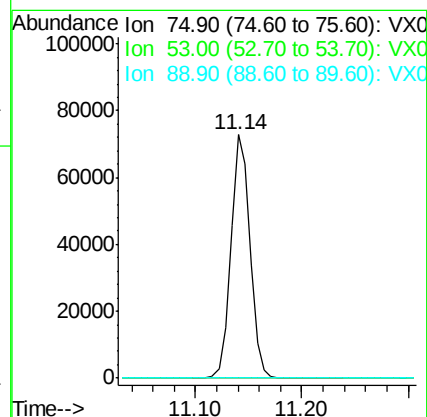
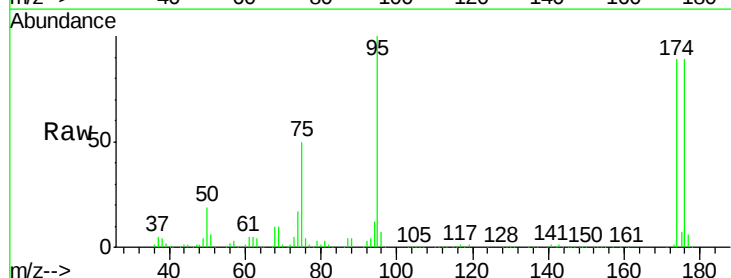
Tgt Ion: 75 Resp: 91474

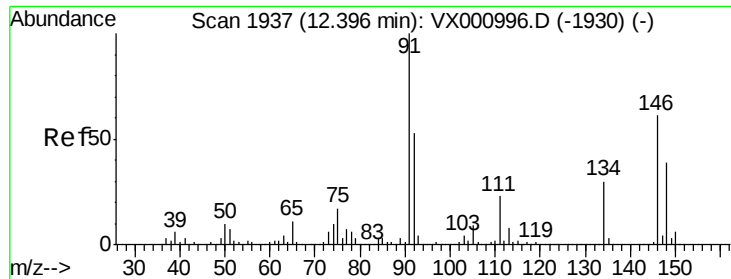
Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 39.7 59.5#





#91
 1,2-Dichlorobenzene
 Concen: 0.53 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001015.D
 Acq: 20 Apr 2018 17:59

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:146 Resp: 3740
 Ion Ratio Lower Upper
 146 100
 111 41.1 18.6 56.0
 148 65.0 32.3 96.8

