

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006617.D
 Acq On : 19 Dec 2018 00:45
 Operator : JC/MD
 Sample : J6408-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA.PZ15711-20181208

Quant Time: Dec 19 06:05:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	653688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1038734	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	943066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	452076	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	360320	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
35) Dibromofluoromethane	5.50	113	311643	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
50) Toluene-d8	8.71	98	1239227	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	11.13	95	446995	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	

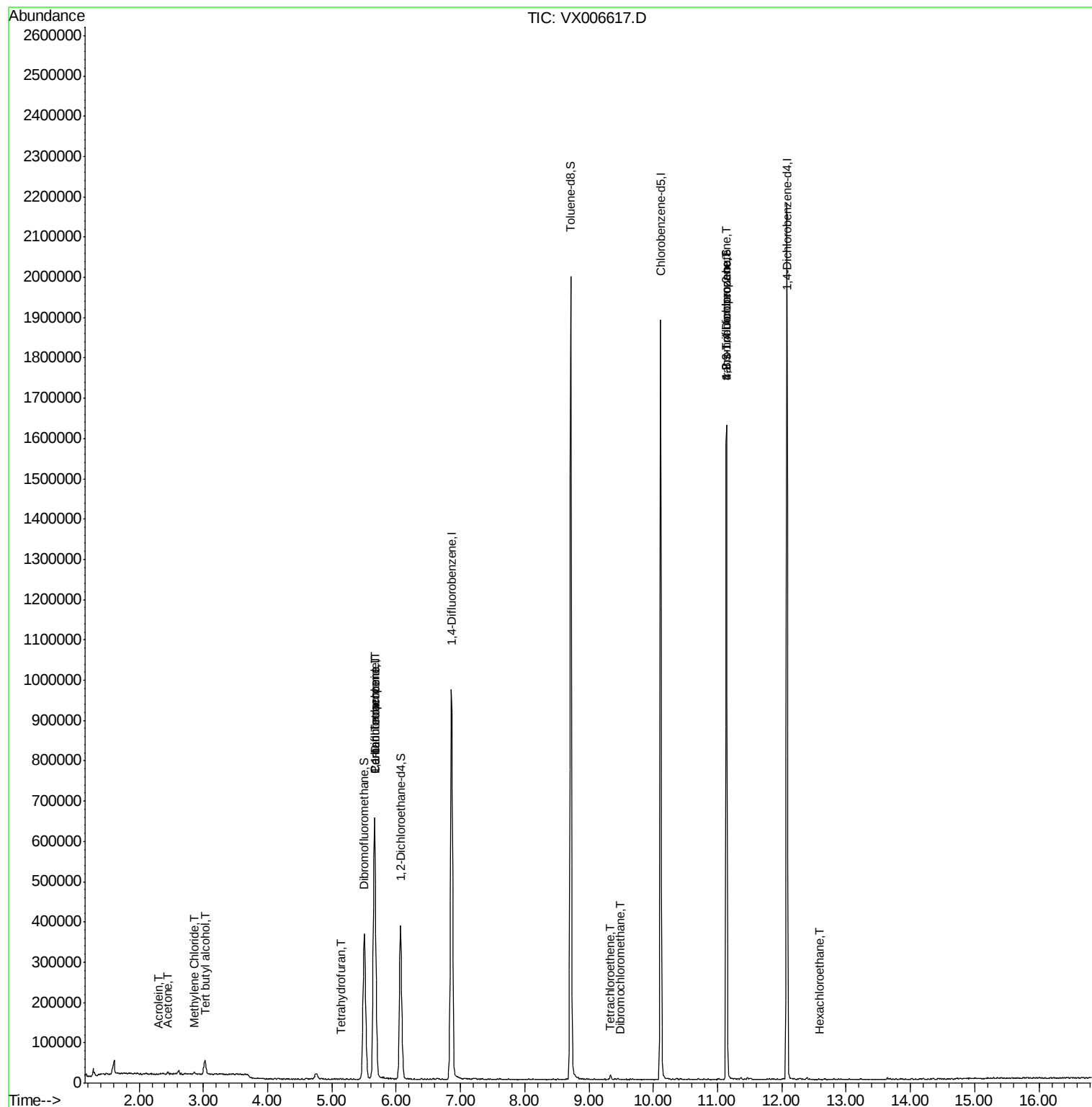
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1021	Below Cal	#	61
11) Tert butyl alcohol	3.03	59	21826	13.882	ug/l #	85
13) Acrolein	2.30	56	301	0.284	ug/l #	13
16) Acetone	2.45	43	6020	1.860	ug/l	95
20) Methylene Chloride	2.86	84	2642	0.395	ug/l #	82
28) Bromochloromethane	5.01	49	367	Below Cal	#	2
29) Tetrahydrofuran	5.14	42	605	0.202	ug/l #	69
36) 1,1-Dichloropropene	5.66	75	43791	5.090	ug/l #	48
38) Carbon Tetrachloride	5.67	117	61927	7.407	ug/l #	16
49) 1,4-Dioxane	7.71	88	65	Below Cal	#	1
60) Dibromochloromethane	9.49	129	61	2.332	ug/l	87
64) Tetrachloroethene	9.34	164	1638	0.219	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	210110	26.518	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	210110	73.899	ug/l #	15
90) Hexachloroethane	12.59	117	45	3.303	ug/l #	1

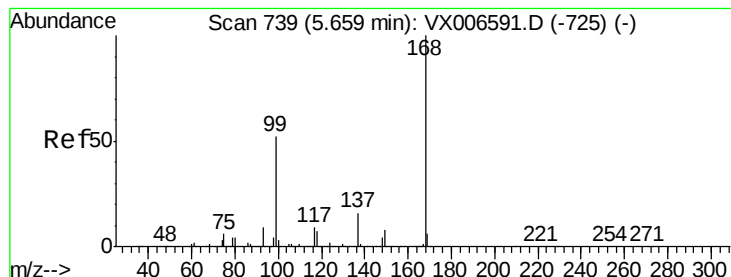
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121818\
Data File : VX006617.D
Acq On : 19 Dec 2018 00:45
Operator : JC/MD
Sample : J6408-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SA.PZ15711-20181208

Quant Time: Dec 19 06:05:50 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:23:17 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006617.D

Acq: 19 Dec 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

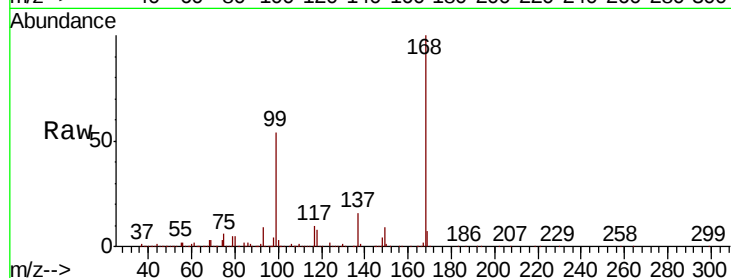
SA.PZ15711-20181208

Tot Ion:168 Resp: 653688

Ion Ratio Lower Upper

168 100

99 53.7 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

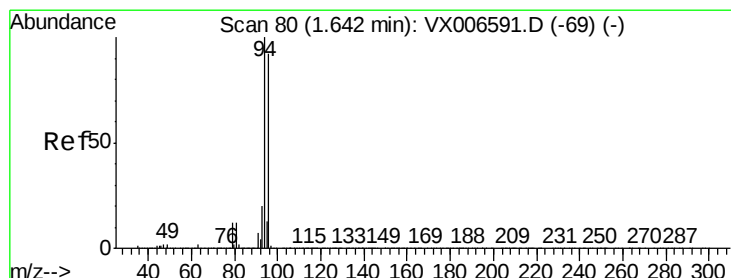
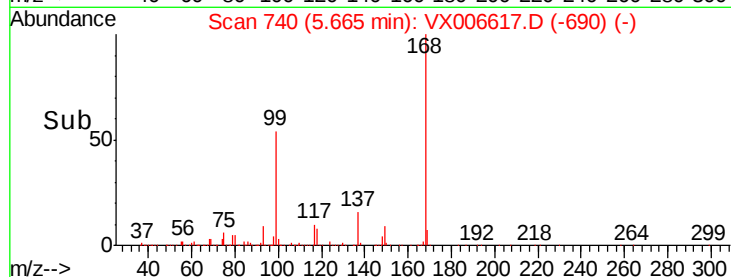
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006617.D

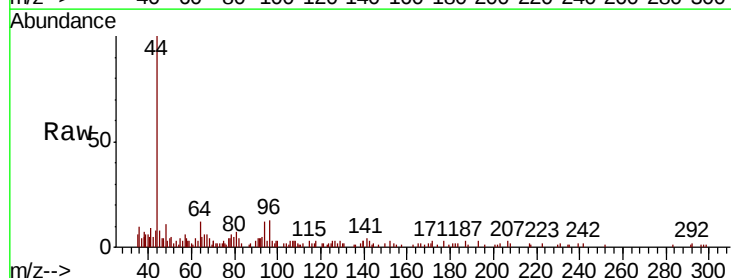
Acq: 19 Dec 2018 00:45

Tgt Ion: 94 Resp: 1021

Ion Ratio Lower Upper

94 100

96 130.4 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

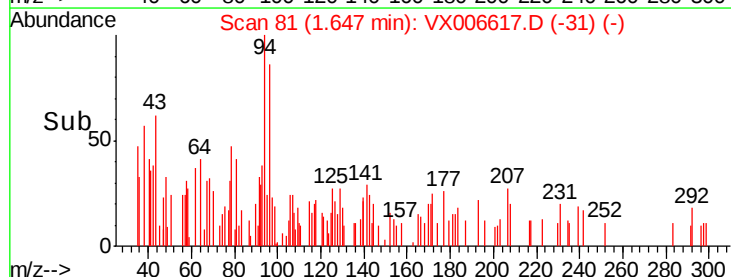
600

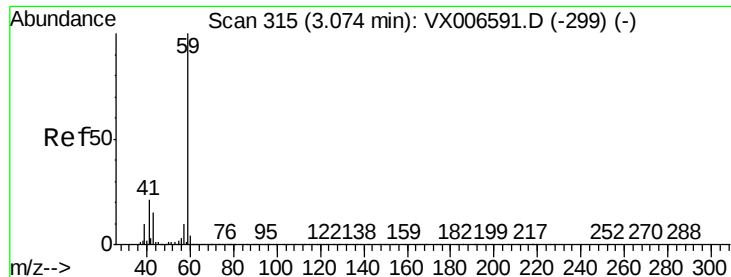
400

200

0

Time-->

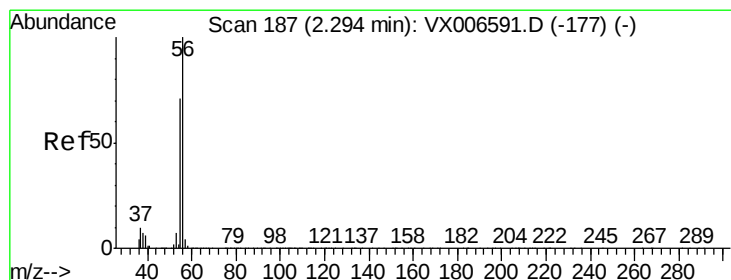
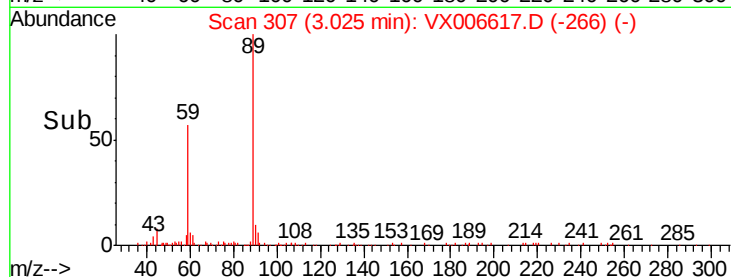
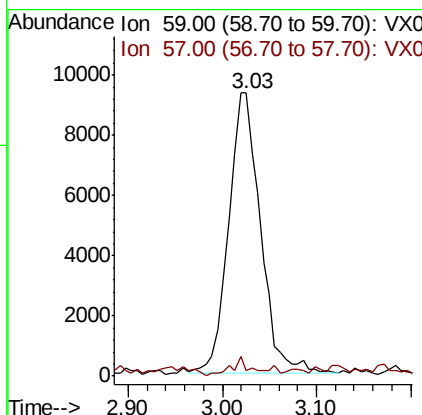
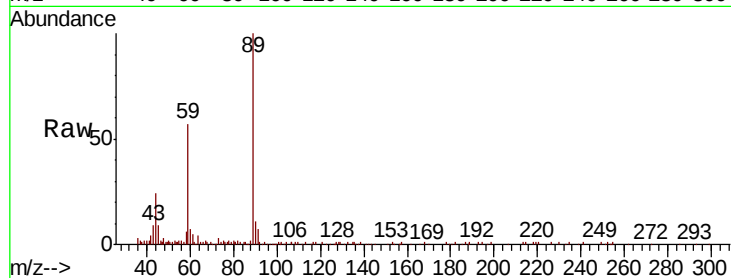




#11
Tert butyl alcohol
Concen: 13.882 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX006617.D
Acq: 19 Dec 2018 00:45

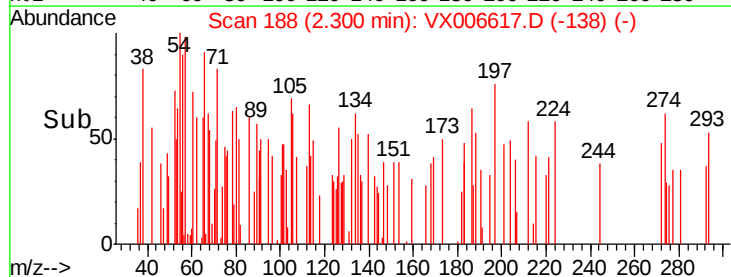
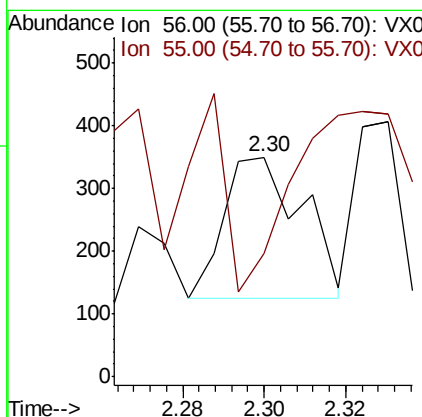
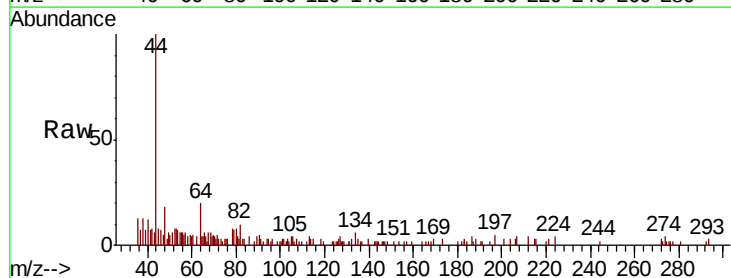
Instrument :
MSVOA_X
ClientSampleId :
SA.PZ15711-20181208

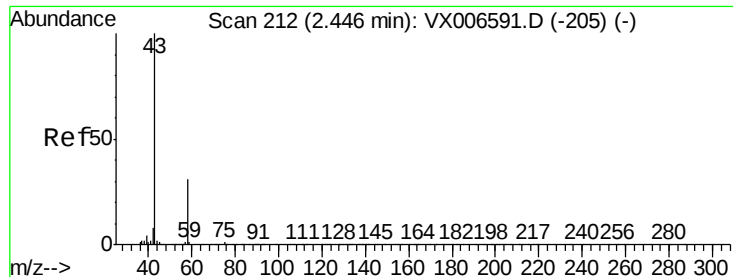
Tot Ion: 59 Resp: 21826
Ion Ratio Lower Upper
59 100
57 4.5 8.2 12.2#



#13
Acrolein
Concen: 0.284 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX006617.D
Acq: 19 Dec 2018 00:45

Tgt Ion: 56 Resp: 301
Ion Ratio Lower Upper
56 100
55 0.0 57.8 86.6#





#16

Acetone

Concen: 1.860 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006617.D

Acq: 19 Dec 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

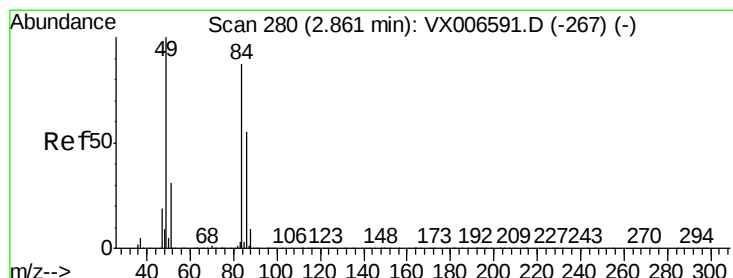
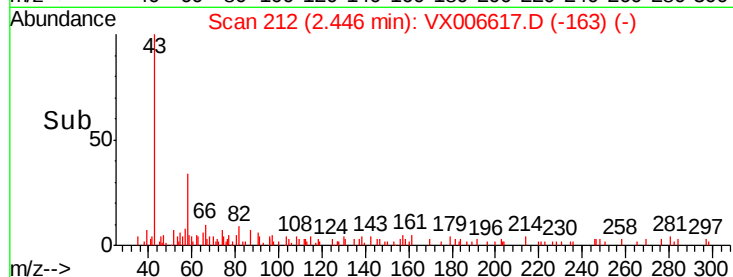
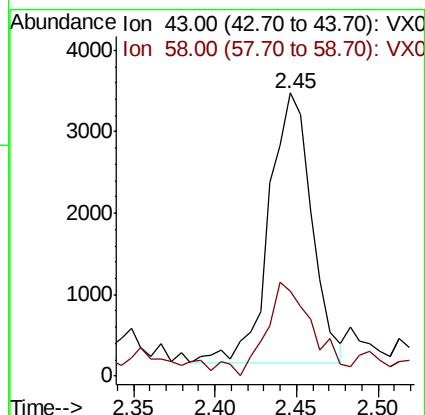
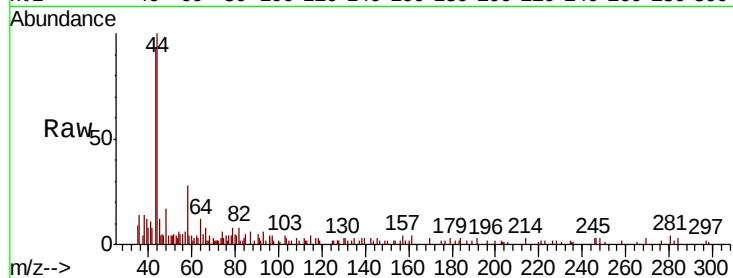
SA.PZ15711-20181208

Tot Ion: 43 Resp: 6020

Ion Ratio Lower Upper

43 100

58 27.3 24.0 36.0



#20

Methylene Chloride

Concen: 0.395 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX006617.D

Acq: 19 Dec 2018 00:45

Tgt Ion: 84 Resp: 2642

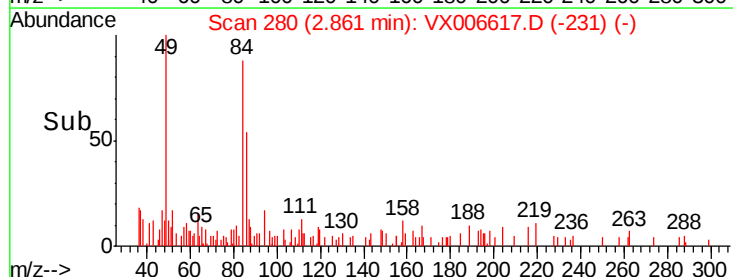
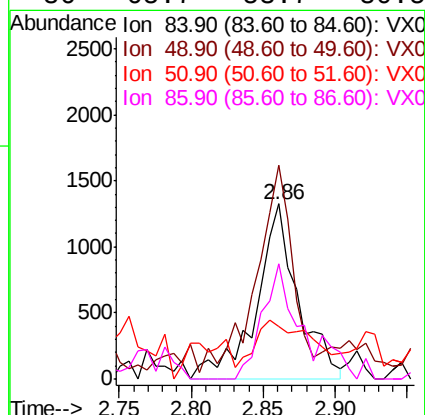
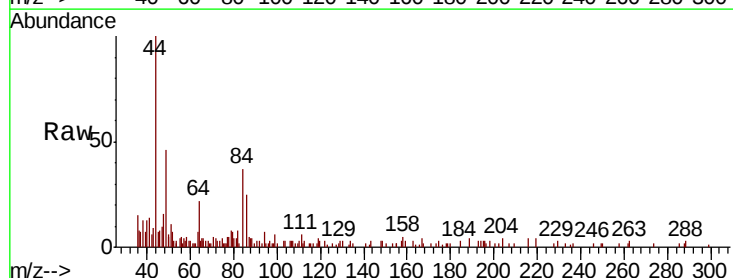
Ion Ratio Lower Upper

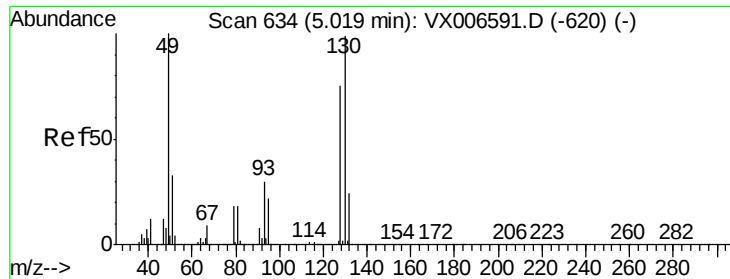
84 100

49 104.5 102.2 153.4

51 15.1 31.1 46.7#

86 65.7 53.7 80.5





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX006617.D

Acq: 19 Dec 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ15711-20181208

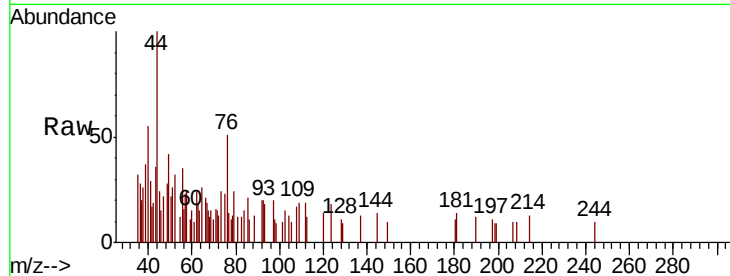
Tot Ion: 49 Resp: 367

Ion Ratio Lower Upper

49 100

129 26.2 0.0 5.0#

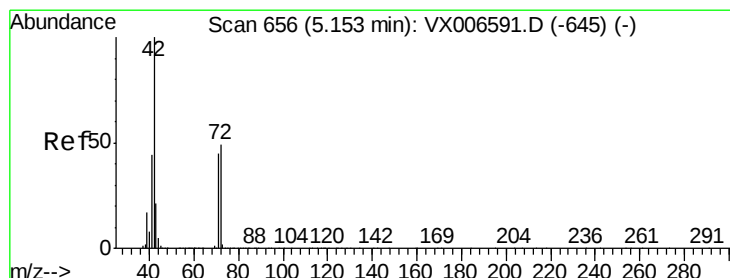
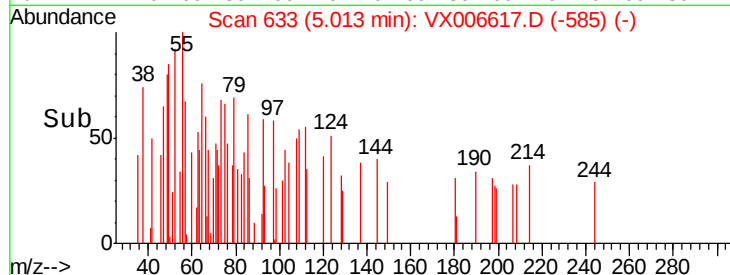
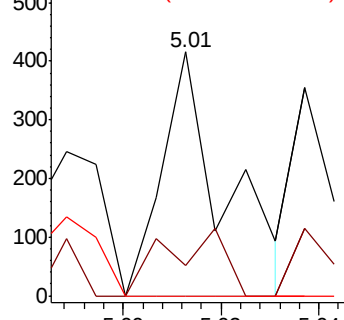
130 0.0 78.3 117.5#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.202 ug/l

RT: 5.14 min Scan# 654

Delta R.T. -0.01 min

Lab File: VX006617.D

Acq: 19 Dec 2018 00:45

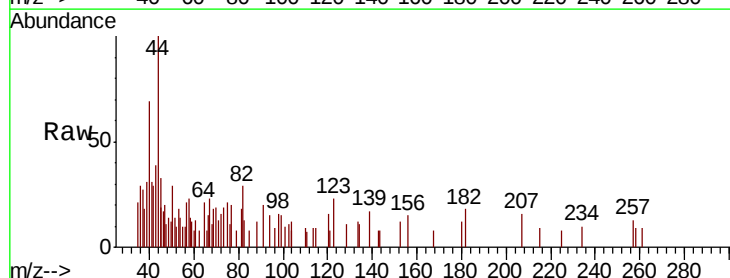
Tgt Ion: 42 Resp: 605

Ion Ratio Lower Upper

42 100

72 11.7 37.8 56.8#

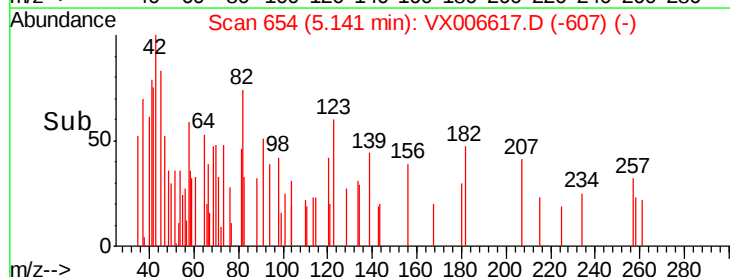
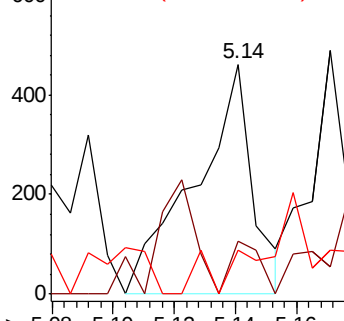
71 39.8 35.2 52.8

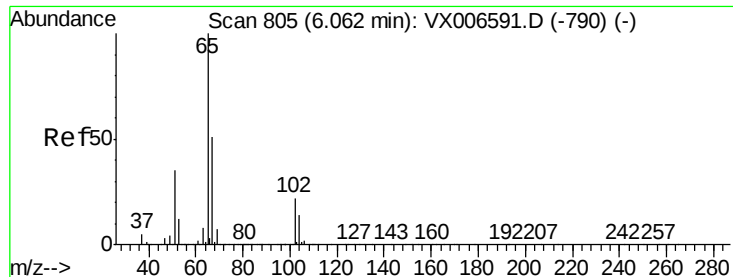


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.144 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006617.D

Acq: 19 Dec 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

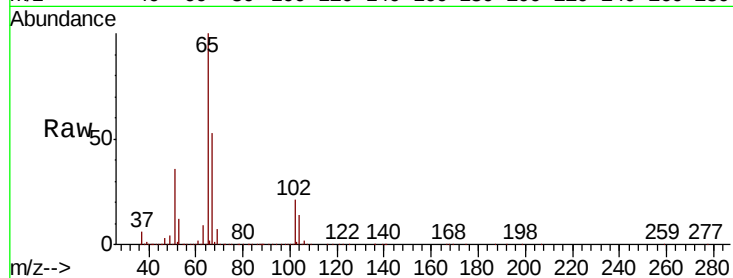
SA.PZ15711-20181208

Tot Ion: 65 Resp: 360320

Ion Ratio Lower Upper

65 100

67 53.6 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

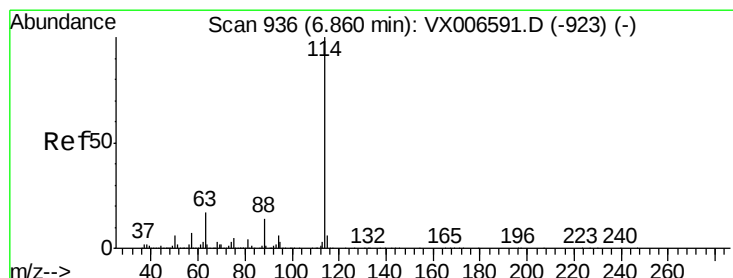
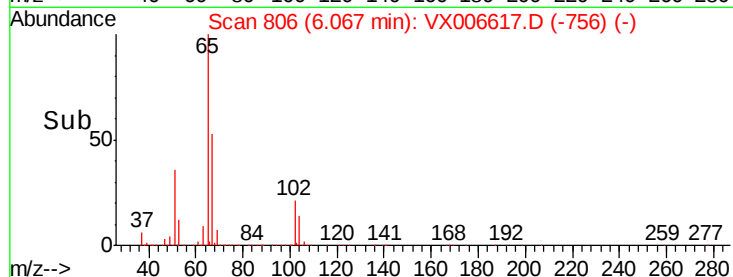
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006617.D

Acq: 19 Dec 2018 00:45

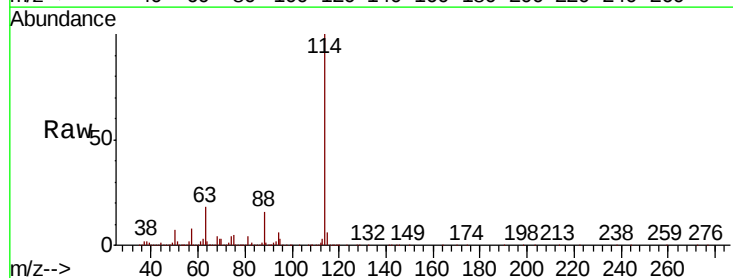
Tgt Ion: 114 Resp: 1038734

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.6

88 15.7 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

600000

500000

400000

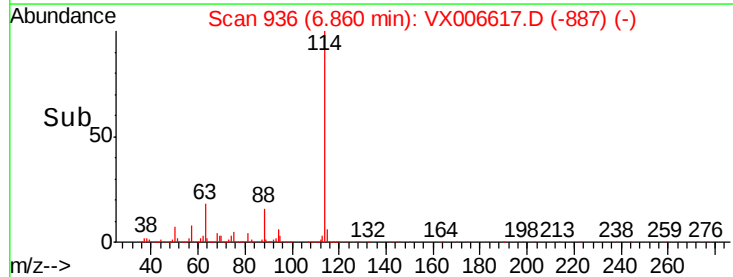
300000

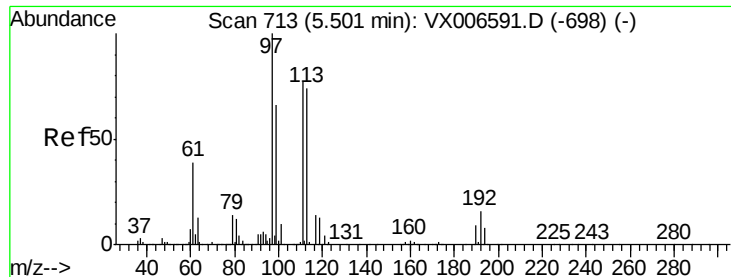
200000

100000

0

Time--> 6.70 6.80 6.90





#35

Dibromofluoromethane

Concen: 47.443 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006617.D

Acq: 19 Dec 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ15711-20181208

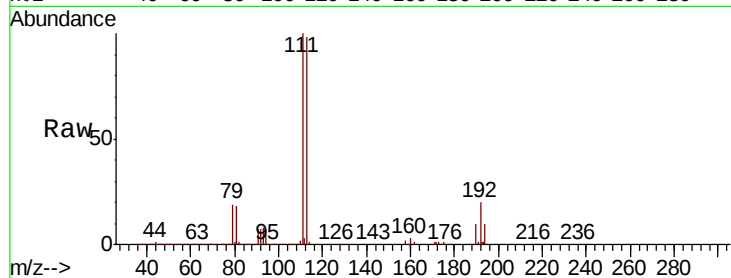
Tot Ion:113 Resp: 311643

Ion Ratio Lower Upper

113 100

111 102.4 81.1 121.7

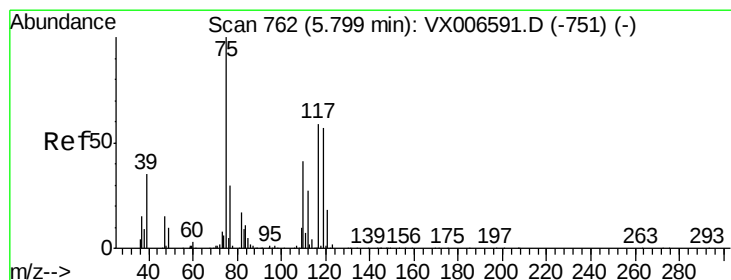
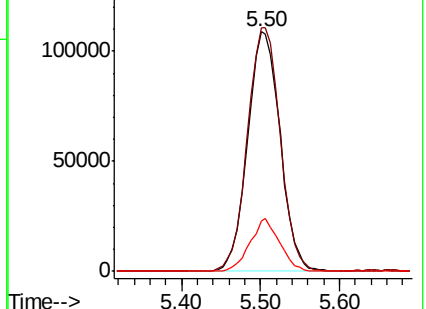
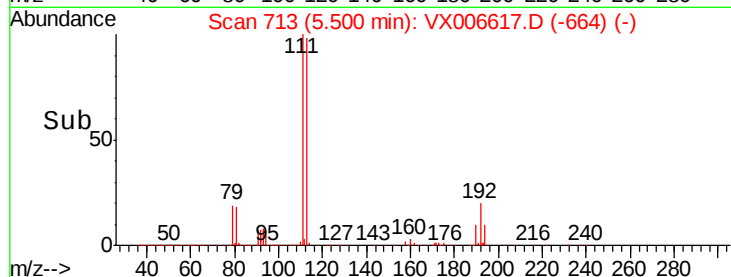
192 20.1 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.090 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006617.D

Acq: 19 Dec 2018 00:45

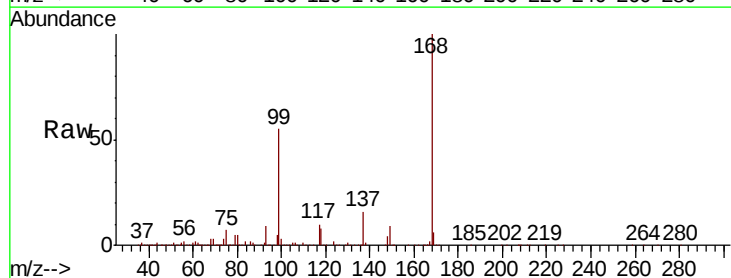
Tgt Ion: 75 Resp: 43791

Ion Ratio Lower Upper

75 100

110 10.8 20.4 61.3#

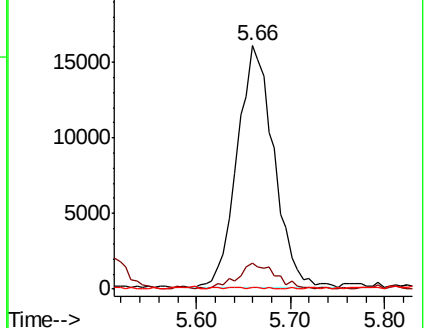
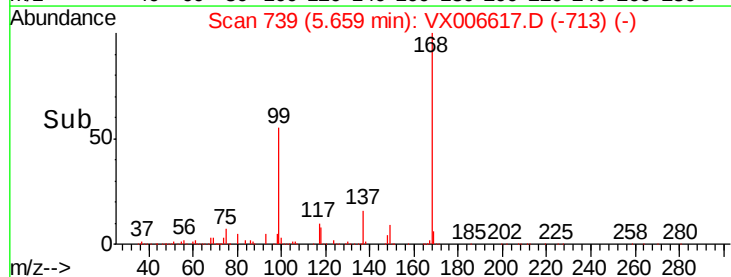
77 0.3 24.9 37.3#

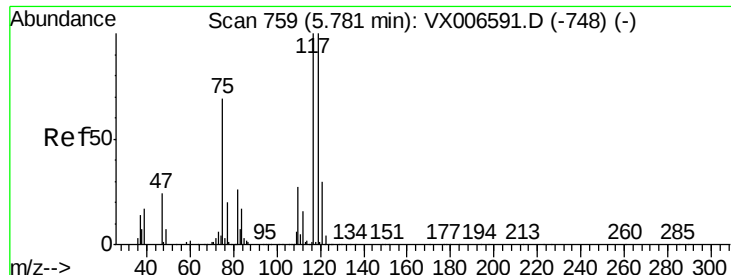


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.407 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006617.D

Acq: 19 Dec 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ15711-20181208

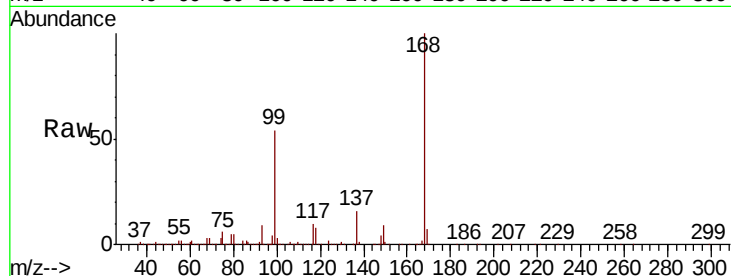
Tot Ion:117 Resp: 61927

Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.8#

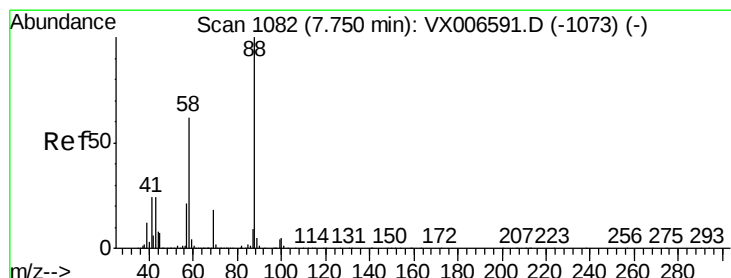
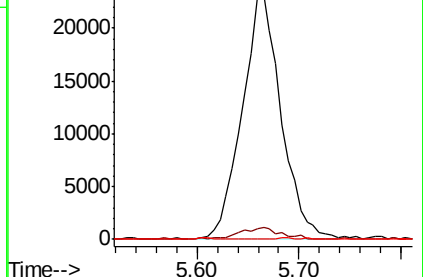
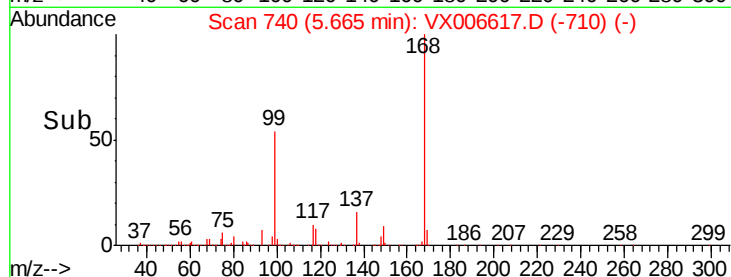
121 0.0 24.6 37.0#



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



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.71 min Scan# 1076

Delta R.T. -0.04 min

Lab File: VX006617.D

Acq: 19 Dec 2018 00:45

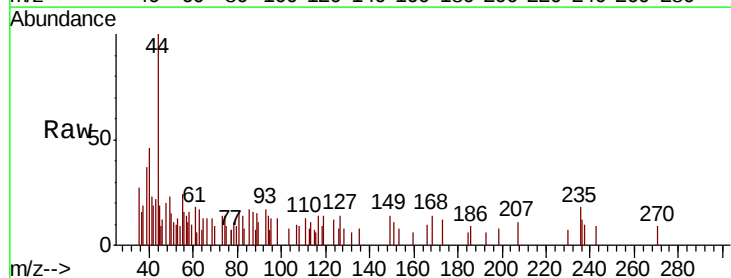
Tgt Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 0.0 23.2 34.8#

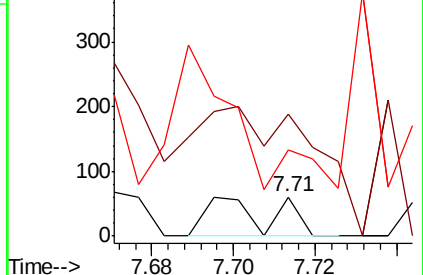
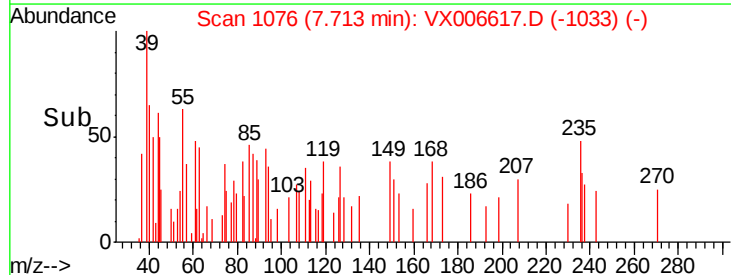
58 515.4 51.4 77.0#

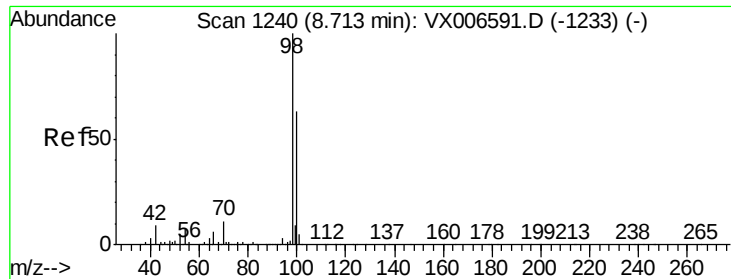


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.041 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006617.D

Acq: 19 Dec 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

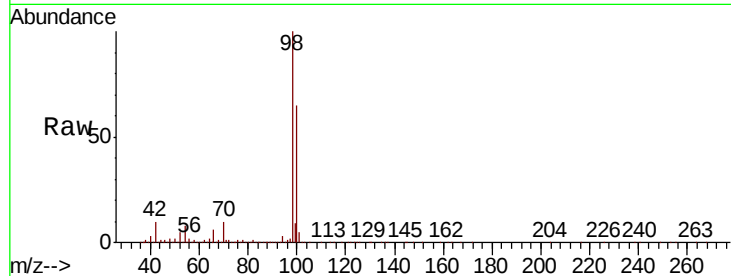
SA.PZ15711-20181208

Tot Ion: 98 Resp: 1239227

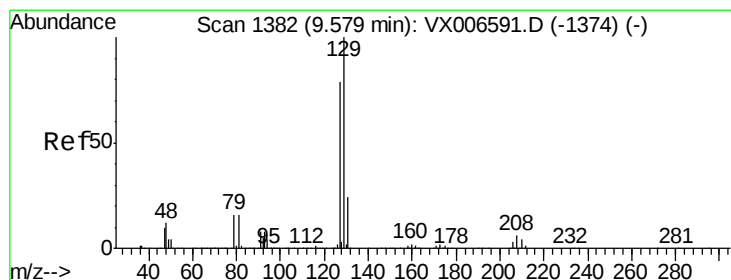
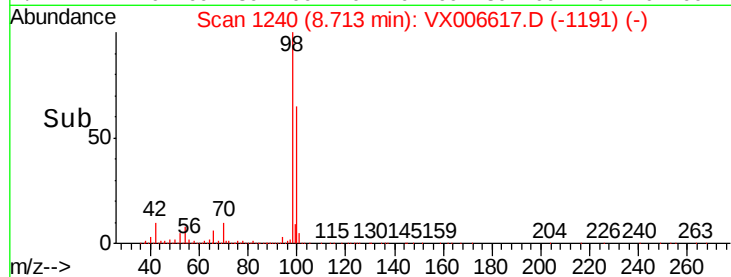
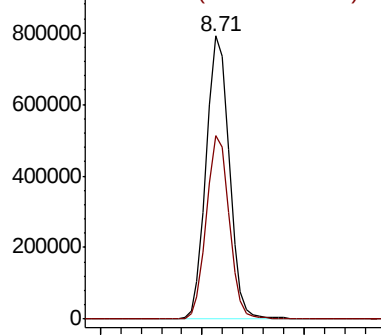
Ion Ratio Lower Upper

98 100

100 64.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX006617.D (-1191) (-)



#60

Dibromochloromethane

Concen: 2.332 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. -0.09 min

Lab File: VX006617.D

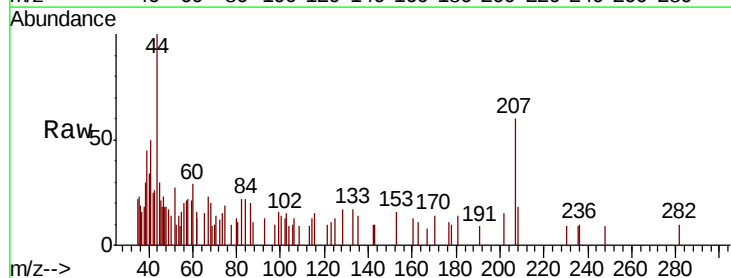
Acq: 19 Dec 2018 00:45

Tgt Ion: 129 Resp: 61

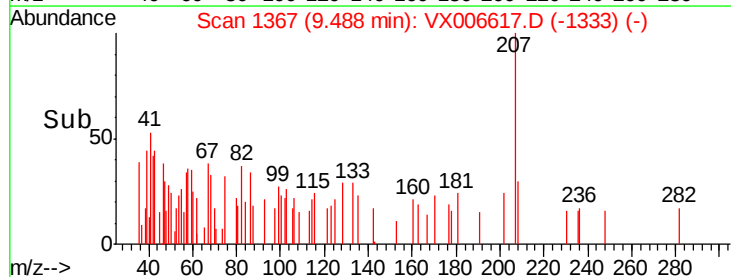
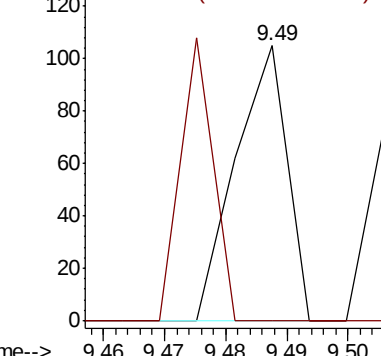
Ion Ratio Lower Upper

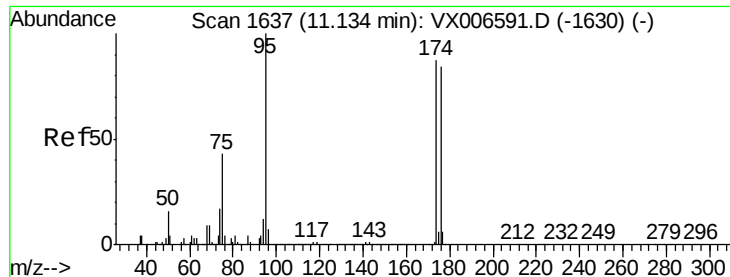
129 100

127 65.6 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): VX006617.D (-1333) (-)





#62

4-Bromofluorobenzene

Concen: 49.284 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006617.D

Acq: 19 Dec 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ15711-20181208

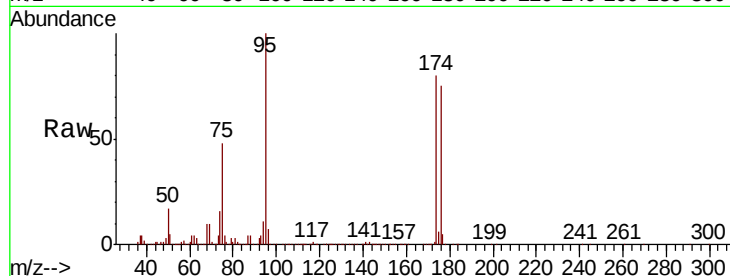
Tot Ion: 95 Resp: 446995

Ion Ratio Lower Upper

95 100

174 85.2 0.0 187.0

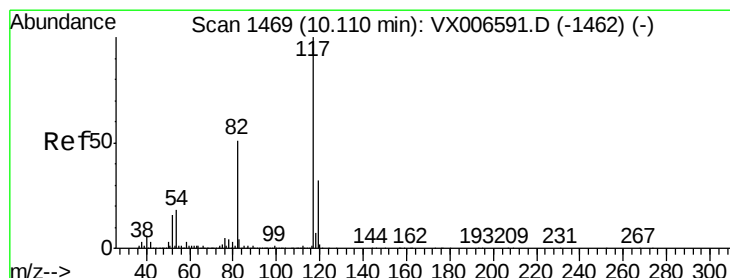
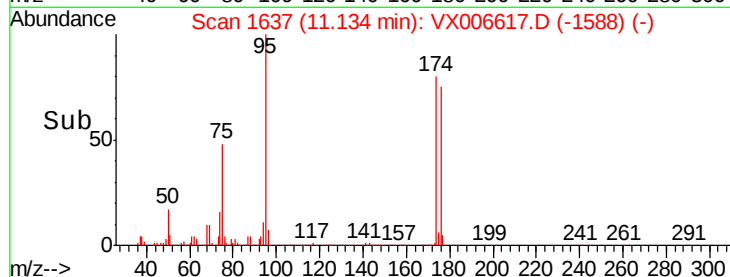
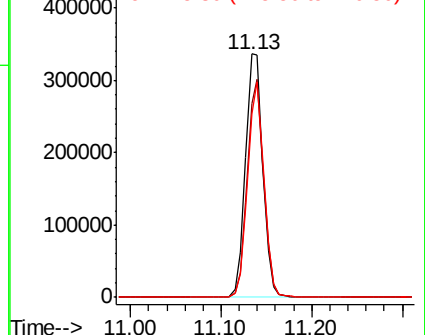
176 83.3 0.0 181.8



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: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX006617.D

Acq: 19 Dec 2018 00:45

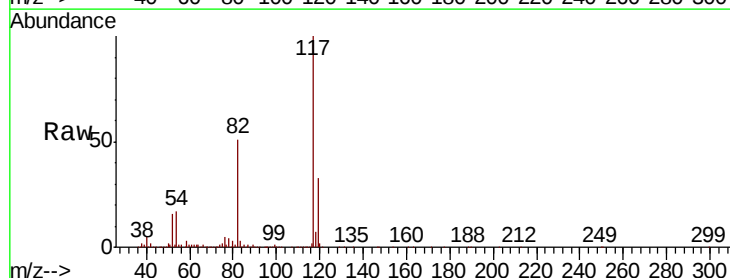
Tgt Ion: 117 Resp: 943066

Ion Ratio Lower Upper

117 100

82 50.8 39.6 59.4

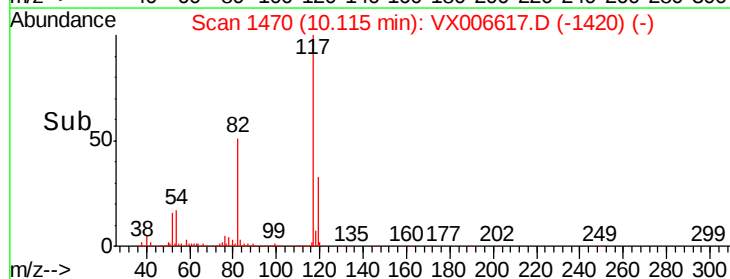
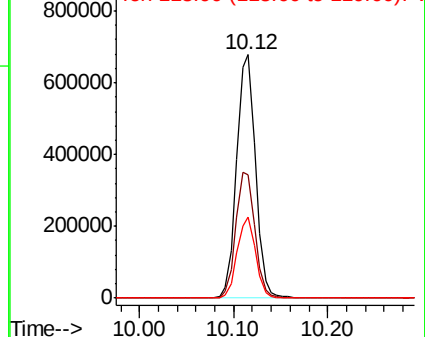
119 33.4 26.3 39.5

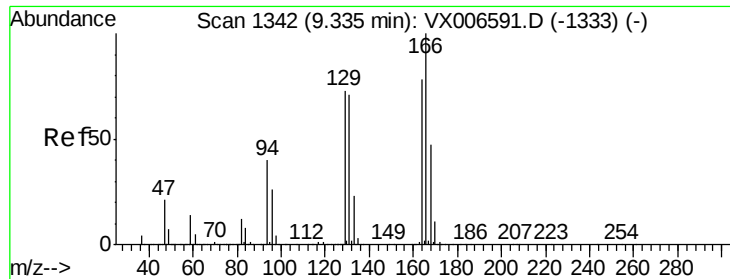


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.219 ug/l

RT: 9.34 min Scan# 1343

Delta R.T. 0.01 min

Lab File: VX006617.D

Acq: 19 Dec 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ15711-20181208

Tot Ion:164 Resp: 1638

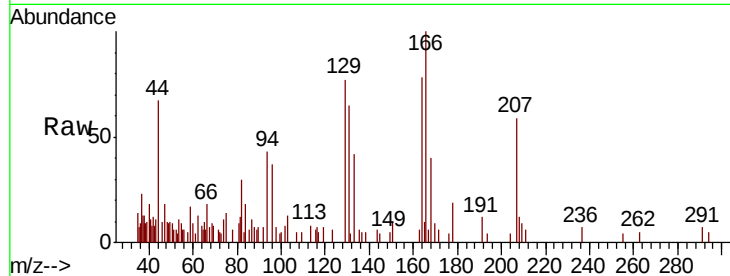
Ion Ratio Lower Upper

164 100

166 128.9 104.2 156.2

129 89.9 72.6 108.8

131 83.2 70.3 105.5

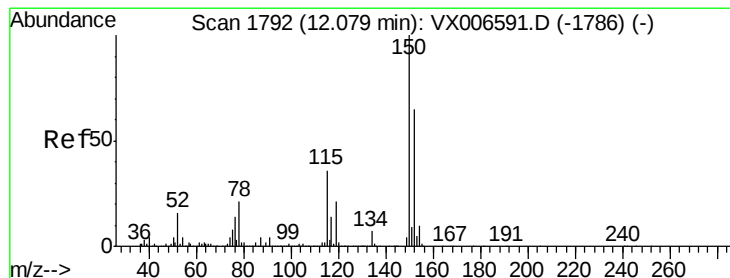
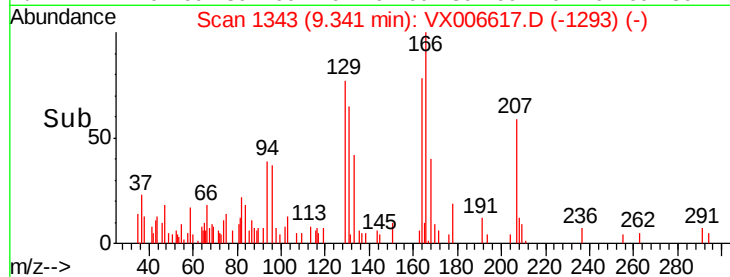
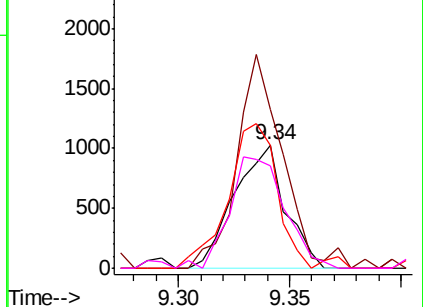


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006617.D

Acq: 19 Dec 2018 00:45

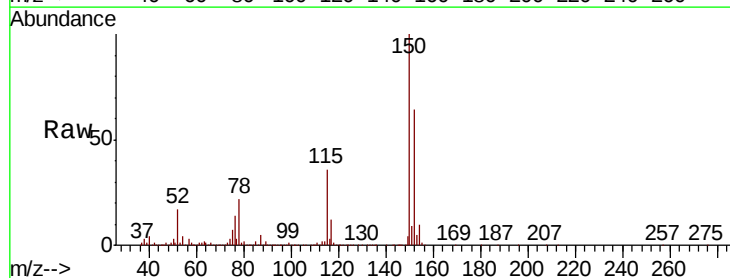
Tgt Ion:152 Resp: 452076

Ion Ratio Lower Upper

152 100

115 56.7 39.0 116.9

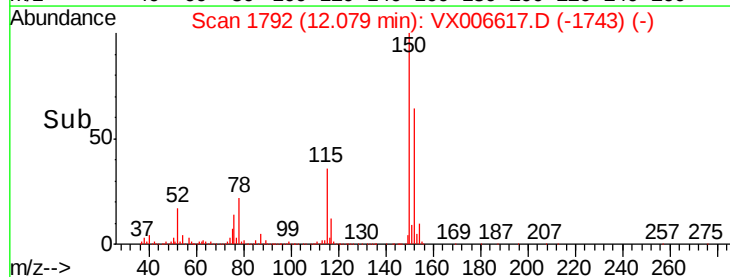
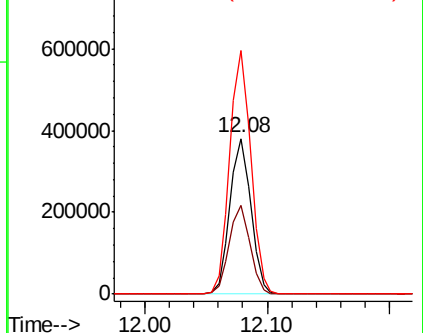
150 157.0 0.0 345.8

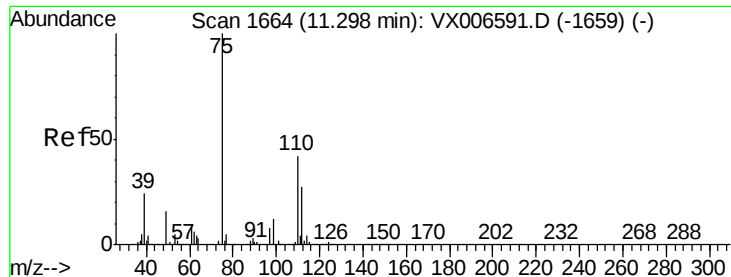


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.518 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006617.D

Acq: 19 Dec 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

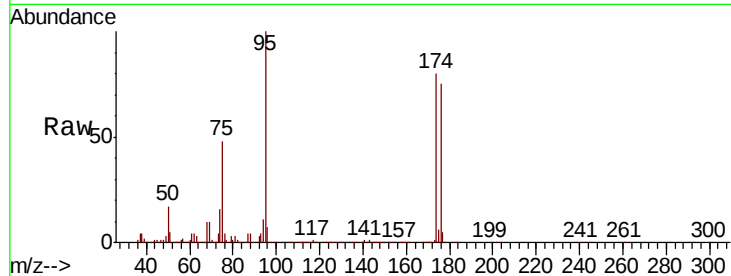
SA.PZ15711-20181208

Tot Ion: 75 Resp: 210110

Ion Ratio Lower Upper

75 100

77 1.4 19.9 59.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

150000

100000

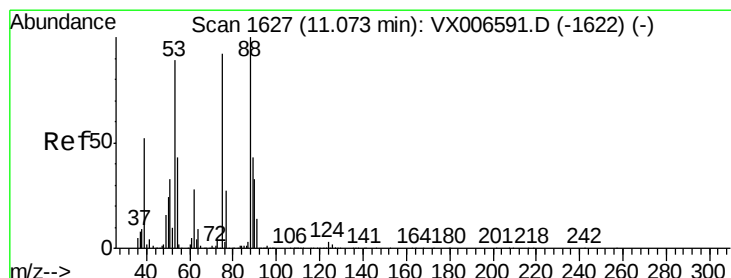
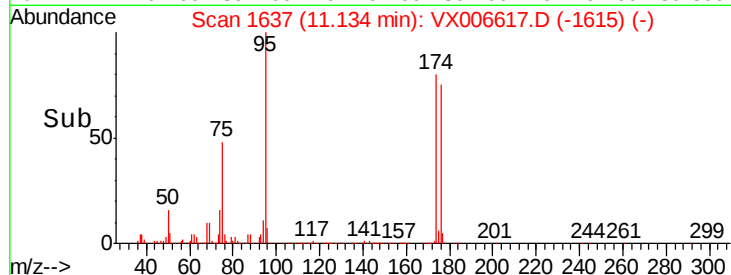
50000

0

Time-->

11.10

11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 73.899 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006617.D

Acq: 19 Dec 2018 00:45

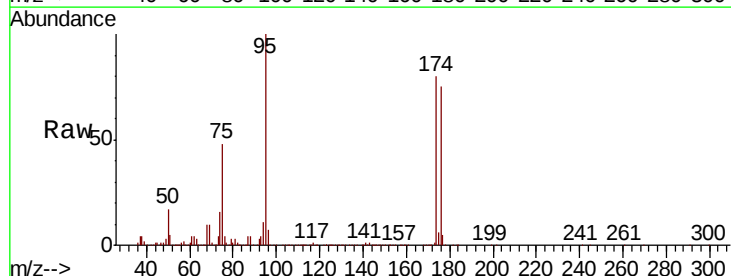
Tgt Ion: 75 Resp: 210110

Ion Ratio Lower Upper

75 100

53 0.2 64.4 96.6#

89 0.1 44.2 66.4#



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

11.13

200000

150000

100000

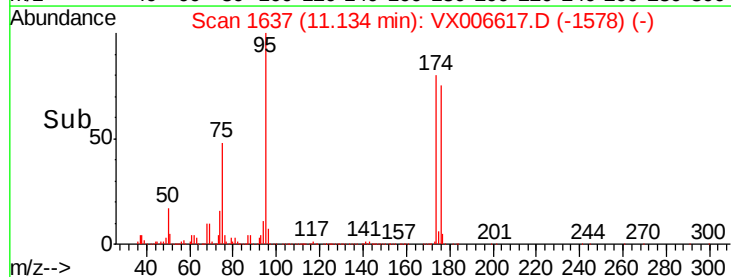
50000

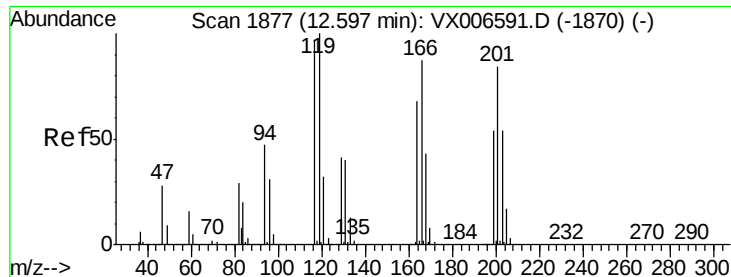
0

Time-->

11.10

11.20





#90

Hexachloroethane

Concen: 3.303 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX006617.D

Acq: 19 Dec 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ15711-20181208

Tot Ion:117 Resp: 45

Ion Ratio Lower Upper

117 100

201 191.1 44.7 134.1#

