

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006607.D
 Acq On : 18 Dec 2018 19:25
 Operator : JC/MD
 Sample : J6405-10DL 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D2-20181210DL

Quant Time: Dec 19 06:02:18 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	675169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1054189	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	965657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	467964	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	361147	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
35) Dibromofluoromethane	5.50	113	313928	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	
50) Toluene-d8	8.71	98	1243233	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
62) 4-Bromofluorobenzene	11.13	95	459225	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	

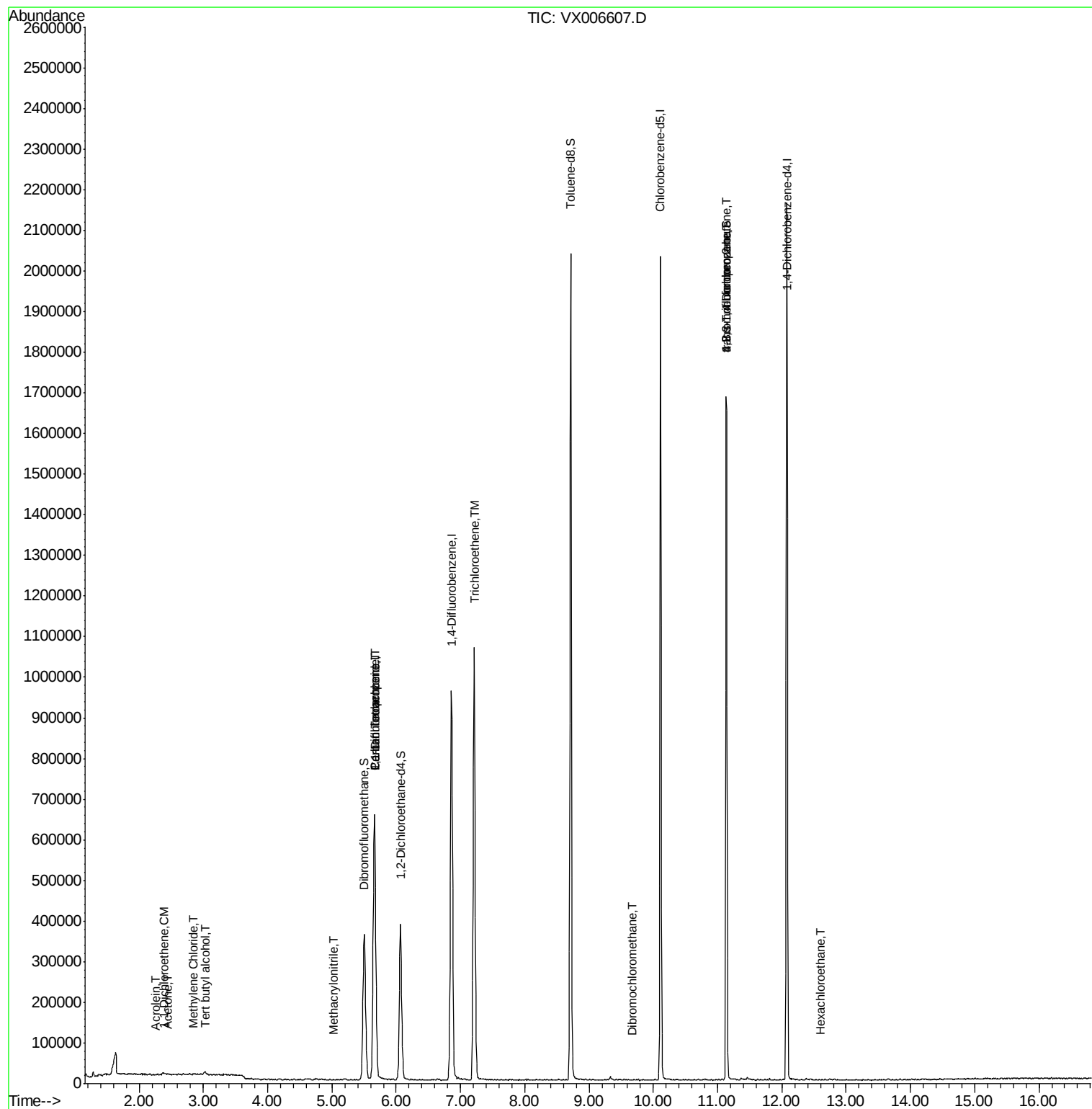
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1492	Below Cal	#	21
11) Tert butyl alcohol	3.03	59	5327	3.280	ug/l #	78
12) 1,1-Dichloroethene	2.38	96	1356	0.225	ug/l #	61
13) Acrolein	2.27	56	281	0.256	ug/l #	13
16) Acetone	2.43	43	770	0.230	ug/l #	79
20) Methylene Chloride	2.85	84	1829	0.265	ug/l #	79
28) Bromochloromethane	5.02	49	329	Below Cal	#	1
36) 1,1-Dichloropropene	5.66	75	43142	4.941	ug/l #	50
38) Carbon Tetrachloride	5.66	117	63164	7.444	ug/l #	16
41) Methacrylonitrile	5.02	41	1201	0.235	ug/l #	40
44) Trichloroethene	7.21	130	424786	52.882	ug/l	93
49) 1,4-Dioxane	7.73	88	256	Below Cal	#	73
60) Dibromochloromethane	9.67	129	114	2.339	ug/l	72
76) 1,2,3-Trichloropropane	11.13	75	215713	26.301	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	215713	73.328	ug/l #	15
90) Hexachloroethane	12.60	117	19	3.297	ug/l	83

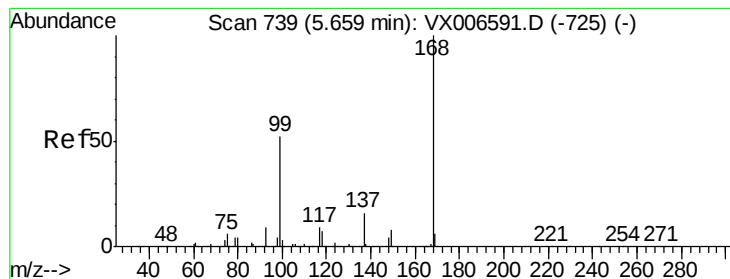
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX006607.D

Acq: 18 Dec 2018 19:25

Instrument :

MSVOA_X

ClientSampleId :

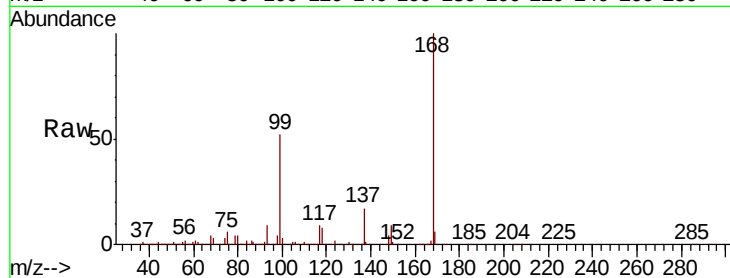
RE108D2-20181210DL

Tot Ion:168 Resp: 675169

Ion Ratio Lower Upper

168 100

99 51.9 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): VX006607.D (-690) (-)

Ion 98.90 (98.60 to 99.60): VX006607.D (-690) (-)

5.67

250000

200000

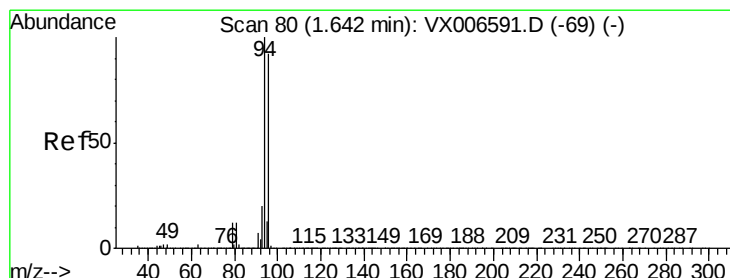
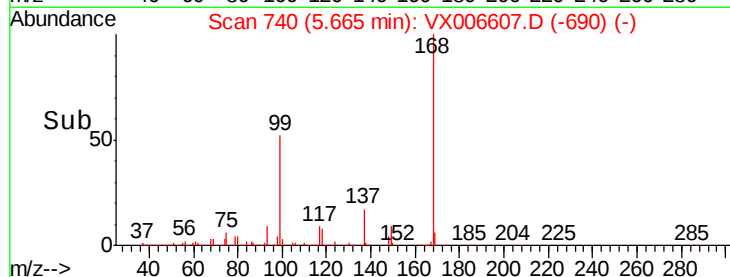
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006607.D

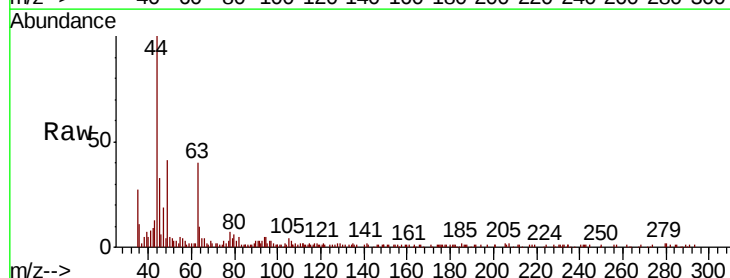
Acq: 18 Dec 2018 19:25

Tgt Ion: 94 Resp: 1492

Ion Ratio Lower Upper

94 100

96 17.3 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX006607.D (-31) (-)

Ion 95.90 (95.60 to 96.60): VX006607.D (-31) (-)

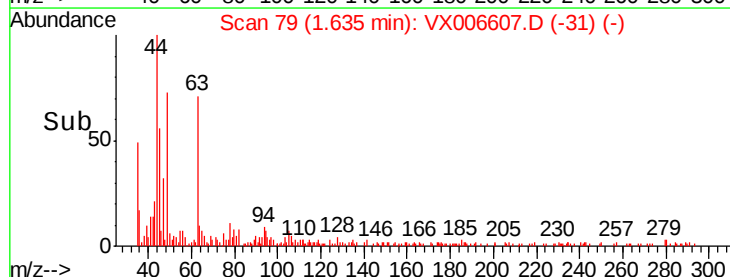
1.64

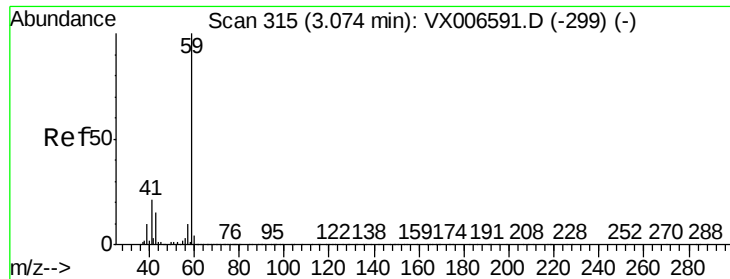
1000

500

0

Time-->



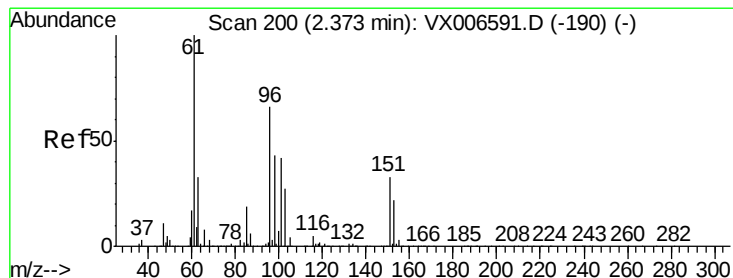
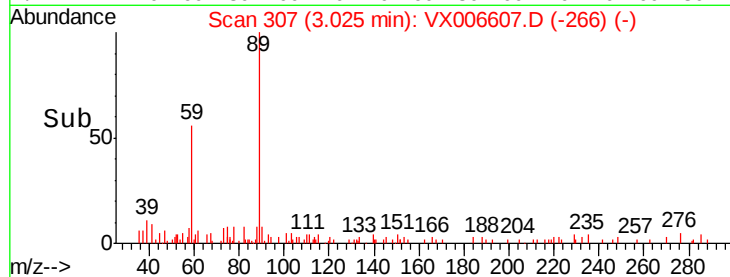
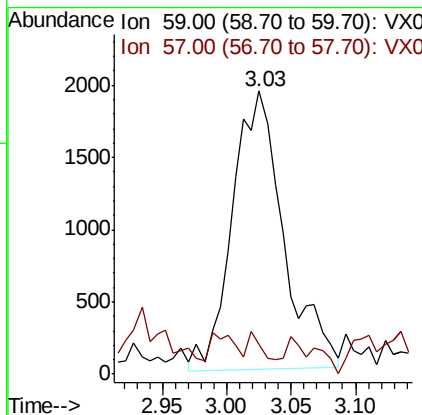
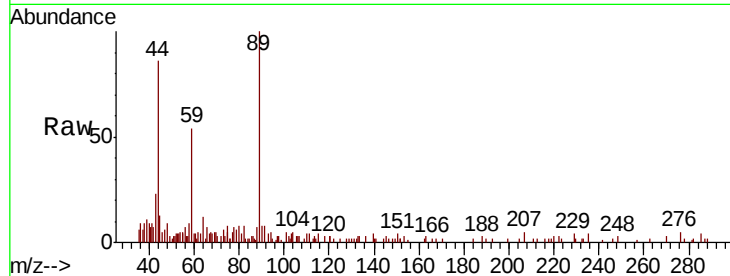


#11

Tert butyl alcohol
 Concen: 3.280 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX006607.D
 Acq: 18 Dec 2018 19:25

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D2-20181210DL

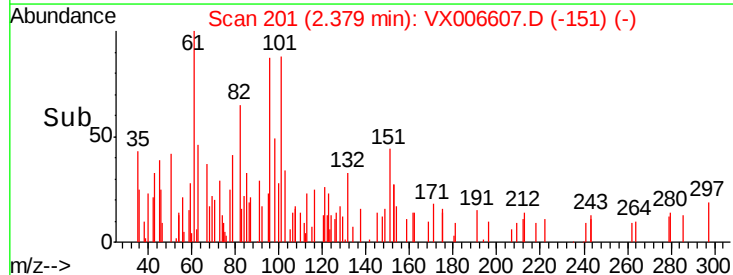
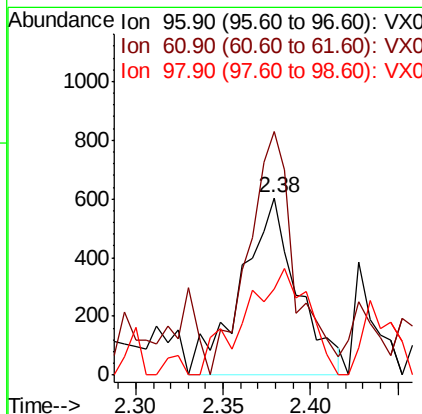
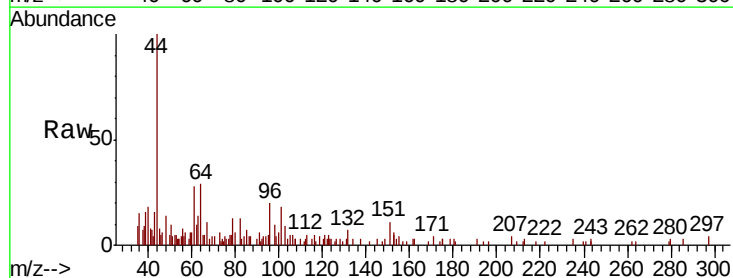
Tot Ion: 59 Resp: 5327
 Ion Ratio Lower Upper
 59 100
 57 2.2 8.2 12.2#

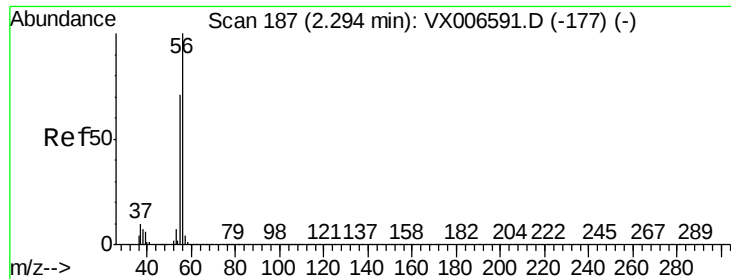


#12

1,1-Dichloroethene
 Concen: 0.225 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX006607.D
 Acq: 18 Dec 2018 19:25

Tgt Ion: 96 Resp: 1356
 Ion Ratio Lower Upper
 96 100
 61 102.3 131.7 197.5#
 98 48.5 51.8 77.6#

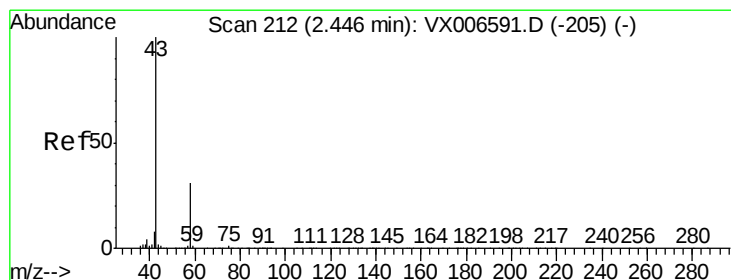
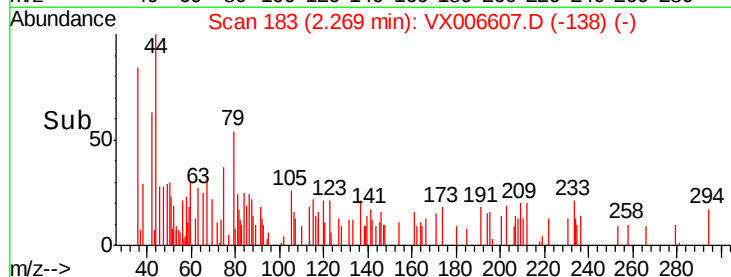
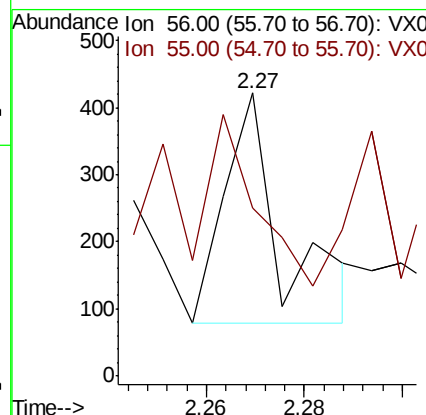
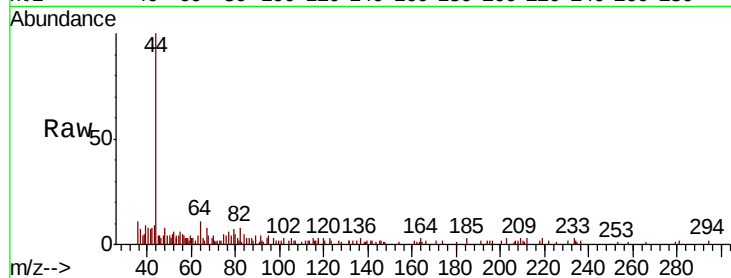




#13
Acrolein
Concen: 0.256 ug/l
RT: 2.27 min Scan# 183
Delta R.T. -0.02 min
Lab File: VX006607.D
Acq: 18 Dec 2018 19:25

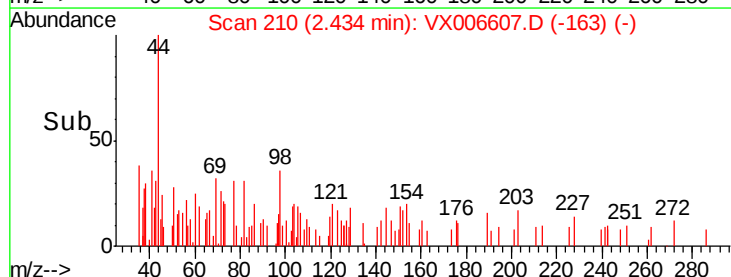
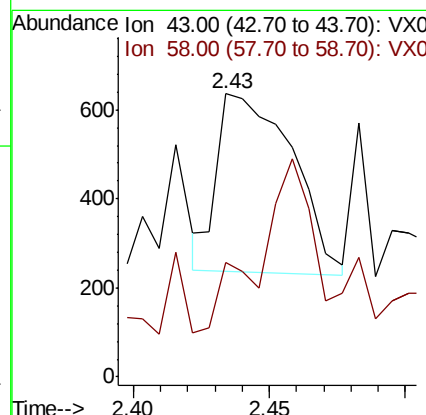
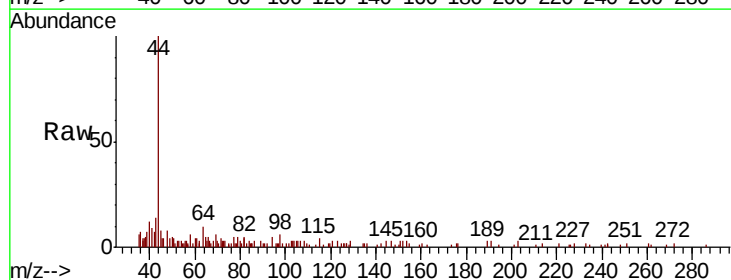
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20181210DL

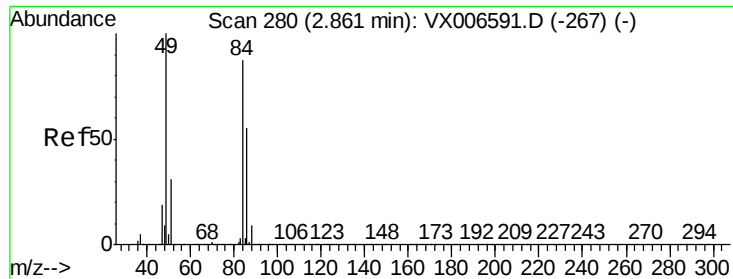
Tot Ion: 56 Resp: 281
Ion Ratio Lower Upper
56 100
55 0.0 57.8 86.6#



#16
Acetone
Concen: 0.230 ug/l
RT: 2.43 min Scan# 210
Delta R.T. -0.01 min
Lab File: VX006607.D
Acq: 18 Dec 2018 19:25

Tgt Ion: 43 Resp: 770
Ion Ratio Lower Upper
43 100
58 41.6 24.0 36.0#

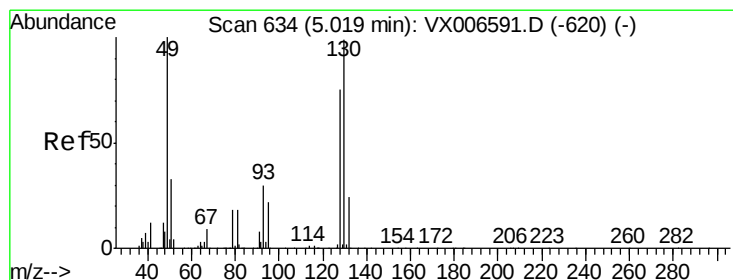
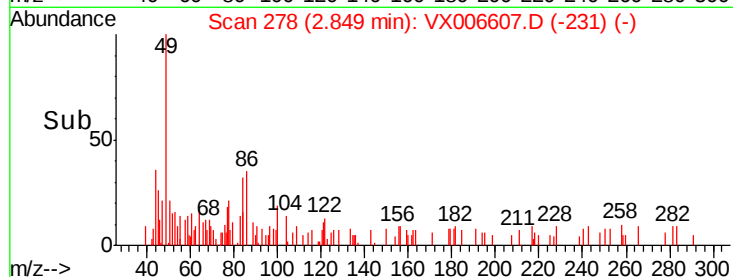
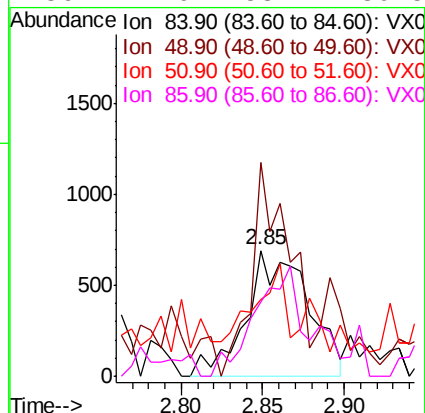
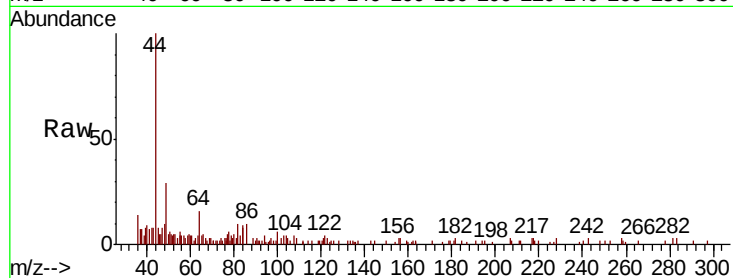




#20
Methvlene Chloride
Concen: 0.265 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX006607.D
Acq: 18 Dec 2018 19:25

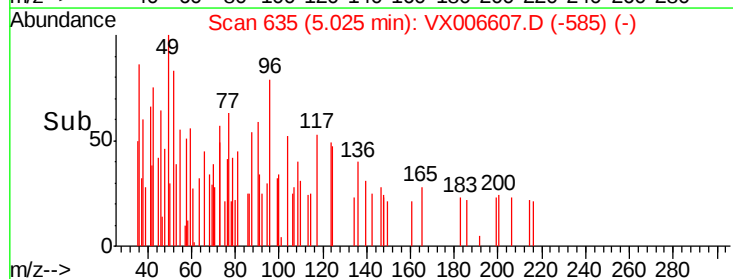
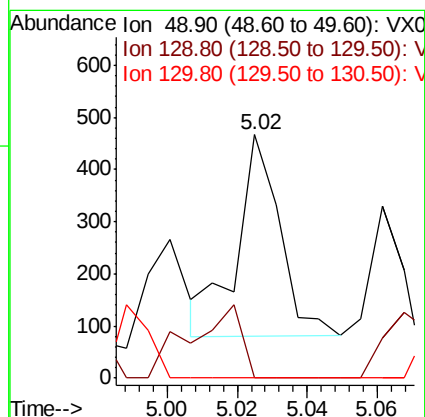
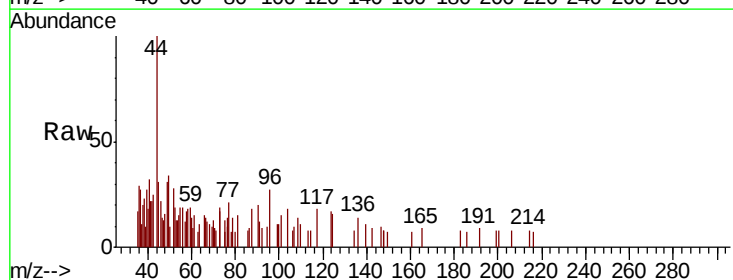
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20181210DL

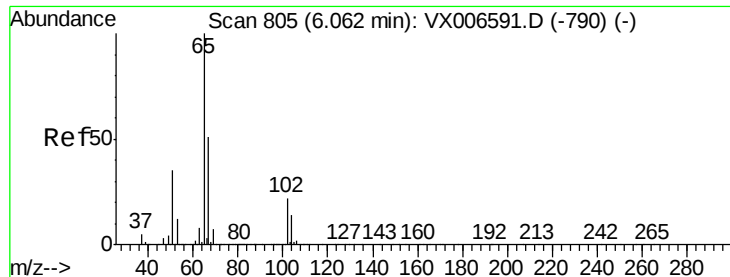
Tot Ion: 84 Resp: 1829
Ion Ratio Lower Upper
84 100
49 155.4 102.2 153.4#
51 39.4 31.1 46.7
86 44.9 53.7 80.5#



#28
Bromochloromethane
Concen: Below Cal
RT: 5.02 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX006607.D
Acq: 18 Dec 2018 19:25

Tgt Ion: 49 Resp: 329
Ion Ratio Lower Upper
49 100
129 43.2 0.0 5.0#
130 0.0 78.3 117.5#





#33

1,2-Dichloroethane-d4

Concen: 49.631 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006607.D

Acq: 18 Dec 2018 19:25

Instrument :

MSVOA_X

ClientSampleId :

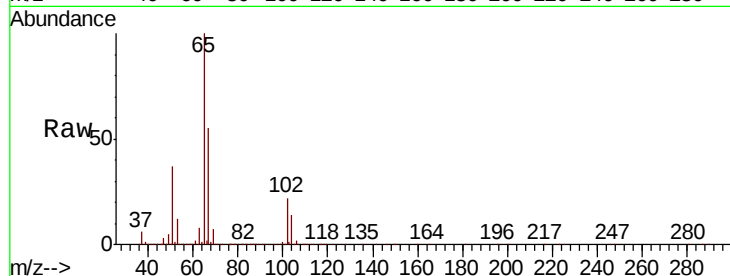
RE108D2-20181210DL

Tot Ion: 65 Resp: 361147

Ion Ratio Lower Upper

65 100

67 53.3 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

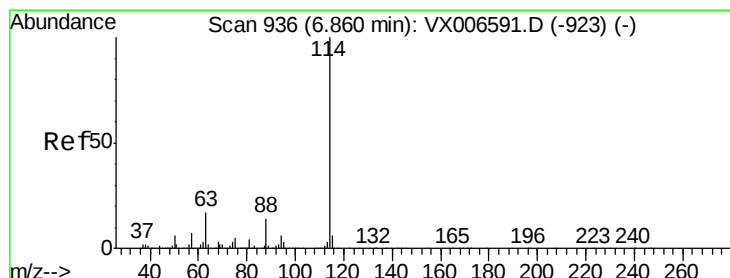
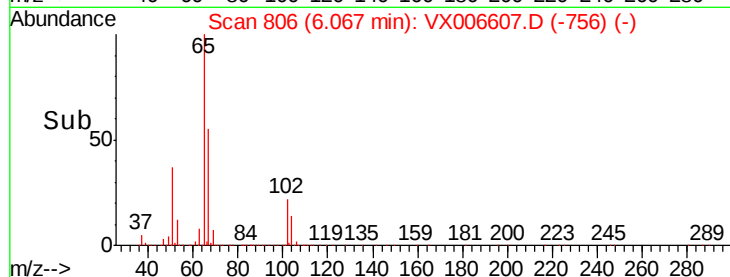
100000

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: VX006607.D

Acq: 18 Dec 2018 19:25

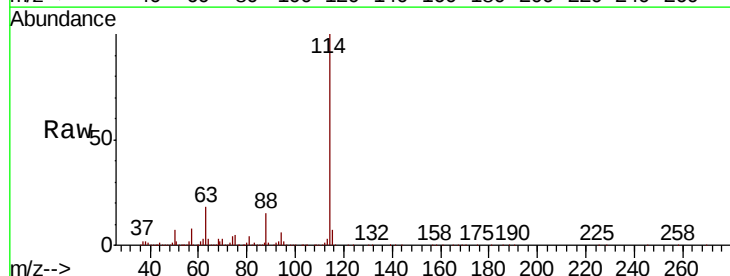
Tgt Ion: 114 Resp: 1054189

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.6

88 15.0 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

6.86

600000

500000

400000

300000

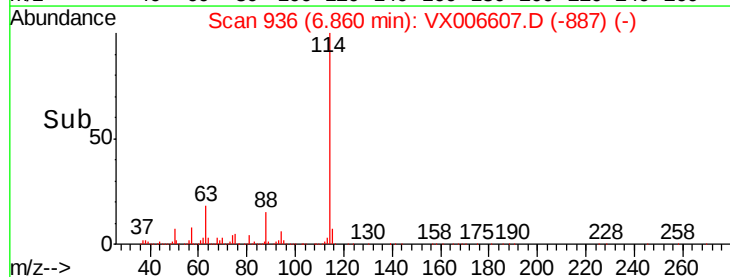
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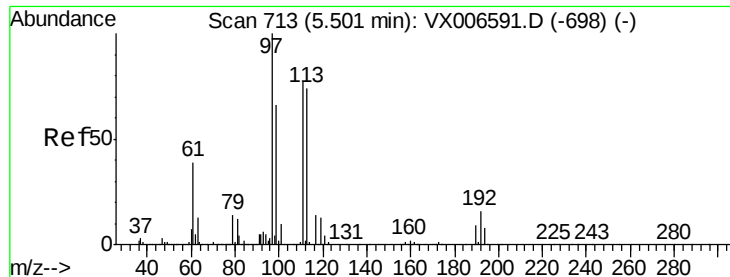
100000

0

Time-->

6.70 6.80 6.90 7.00 7.10





#35

Dibromofluoromethane

Concen: 47.090 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006607.D

Acq: 18 Dec 2018 19:25

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20181210DL

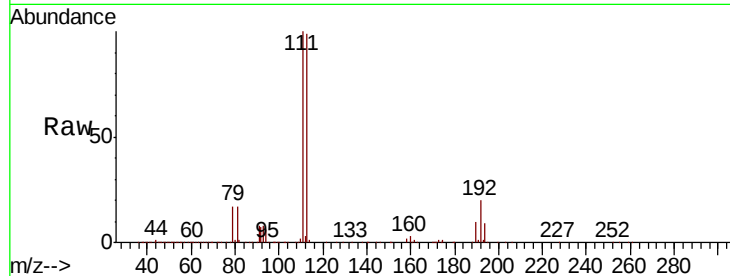
Tot Ion:113 Resp: 313928

Ion Ratio Lower Upper

113 100

111 101.4 81.1 121.7

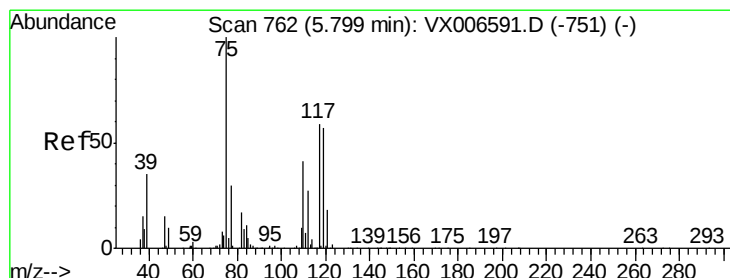
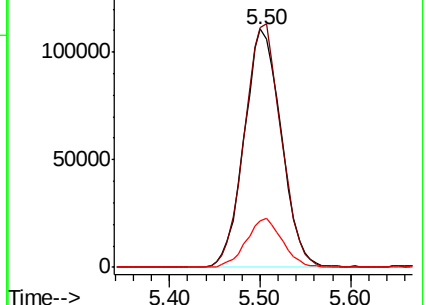
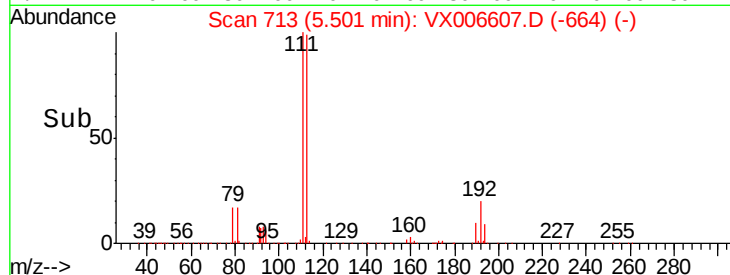
192 19.9 18.2 27.2



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: 4.941 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006607.D

Acq: 18 Dec 2018 19:25

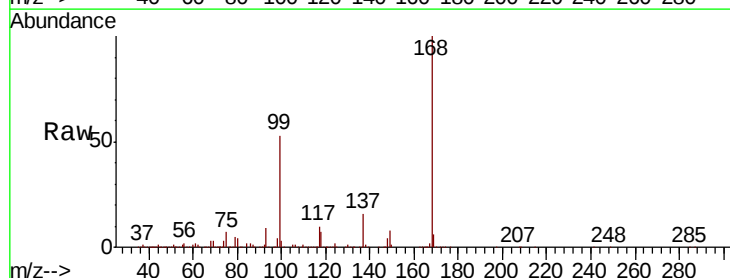
Tgt Ion: 75 Resp: 43142

Ion Ratio Lower Upper

75 100

110 12.0 20.4 61.3#

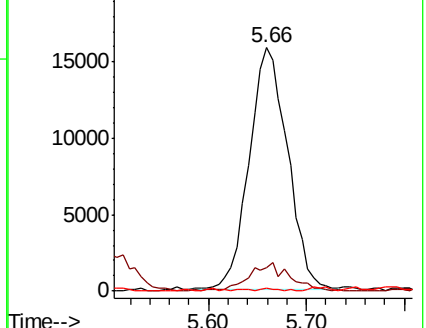
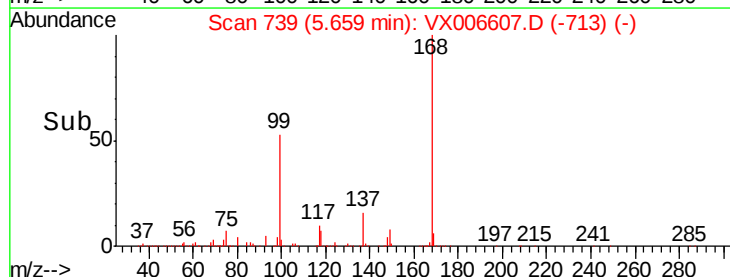
77 0.6 24.9 37.3#

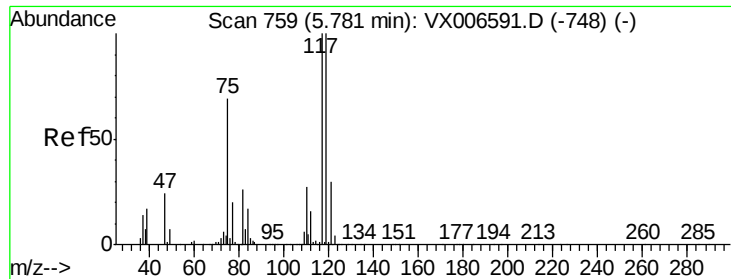


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.444 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006607.D

Acq: 18 Dec 2018 19:25

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20181210DL

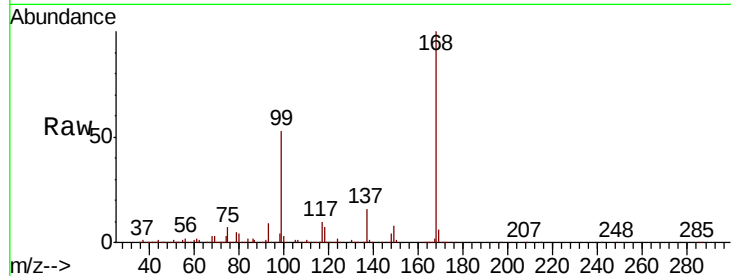
Tot Ion:117 Resp: 63164

Ion Ratio Lower Upper

117 100

119 3.8 75.8 113.8#

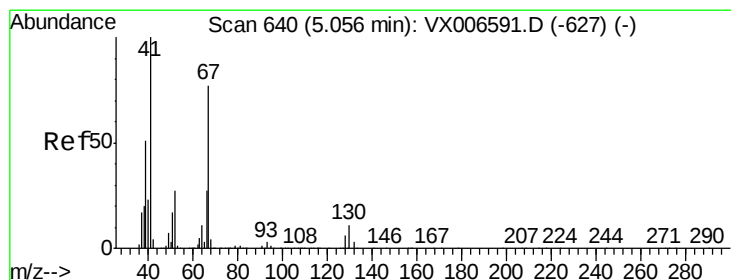
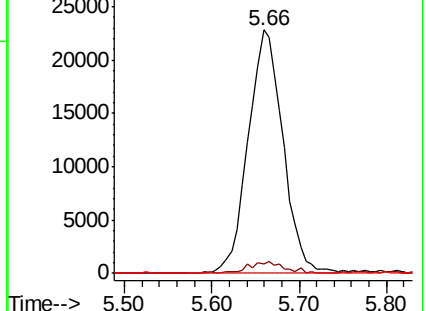
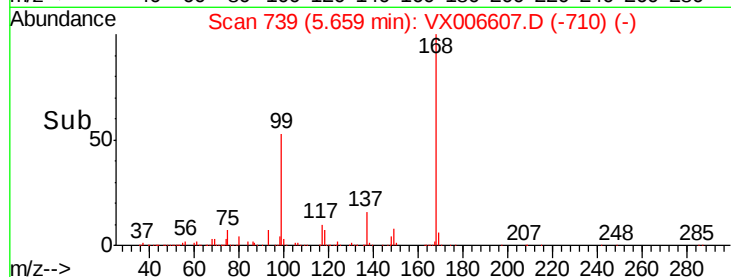
121 0.2 24.6 37.0#



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



#41

Methacrylonitrile

Concen: 0.235 ug/l

RT: 5.02 min Scan# 635

Delta R.T. -0.03 min

Lab File: VX006607.D

Acq: 18 Dec 2018 19:25

Tgt Ion: 41 Resp: 1201

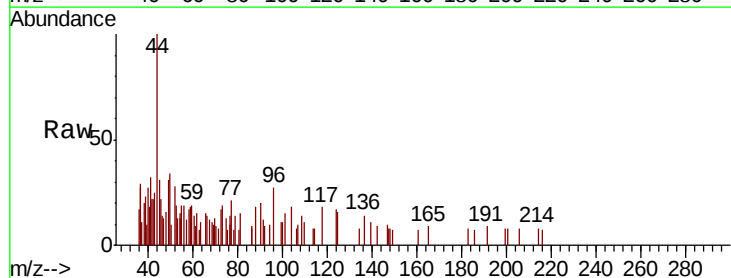
Ion Ratio Lower Upper

41 100

39 22.3 44.0 66.0#

67 0.0 61.4 92.0#

52 22.7 23.5 35.3#

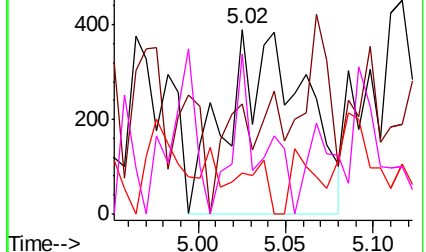
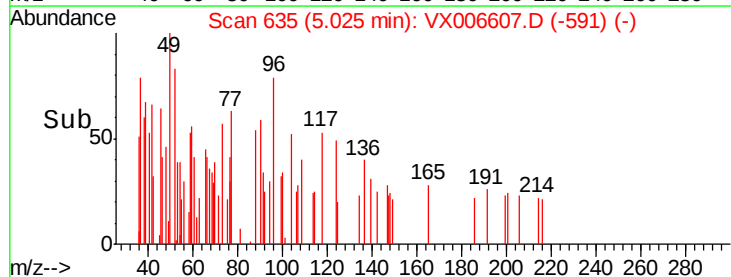


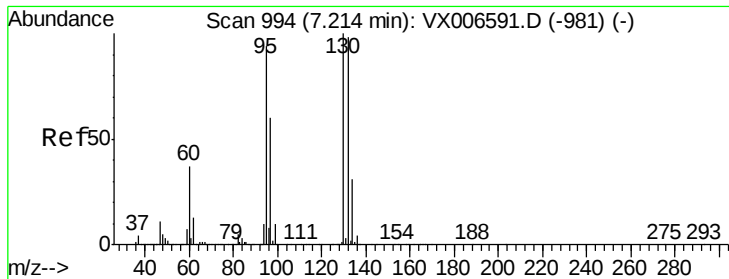
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#44

Trichloroethene

Concen: 52.882 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006607.D

Acq: 18 Dec 2018 19:25

Instrument :

MSVOA_X

ClientSampleId :

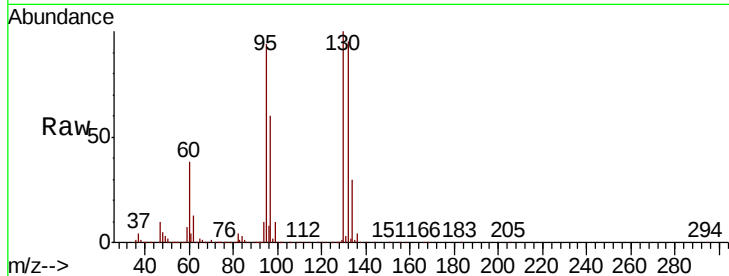
RE108D2-20181210DL

Tot Ion:130 Resp: 424786

Ion Ratio Lower Upper

130 100

95 94.5 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

200000

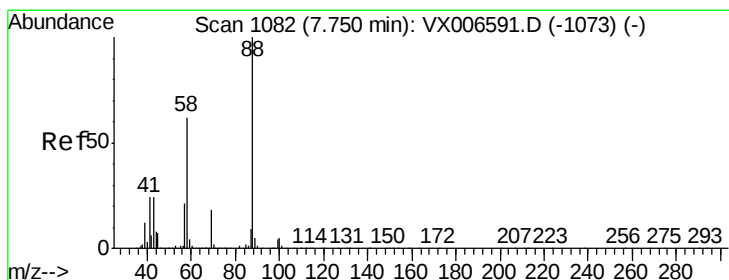
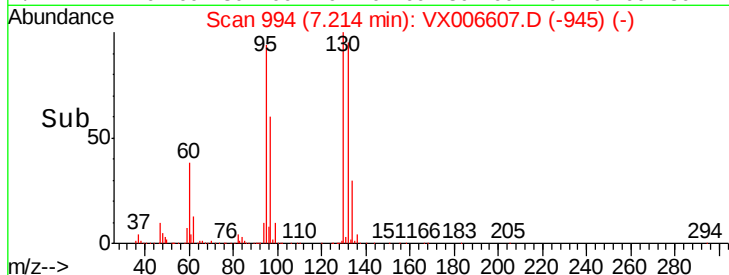
150000

100000

50000

0

Time-->



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.73 min Scan# 1078

Delta R.T. -0.02 min

Lab File: VX006607.D

Acq: 18 Dec 2018 19:25

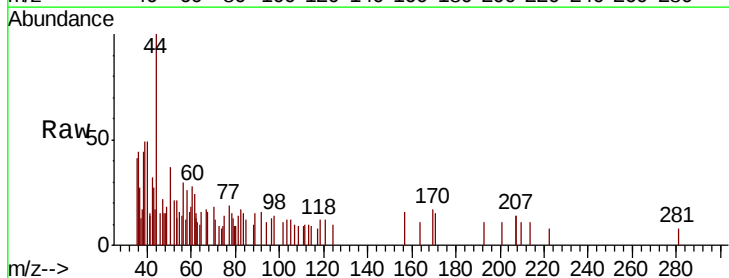
Tgt Ion: 88 Resp: 256

Ion Ratio Lower Upper

88 100

43 27.0 23.2 34.8

58 93.8 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

500

400

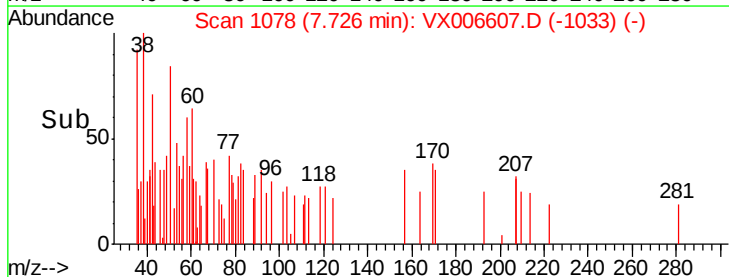
300

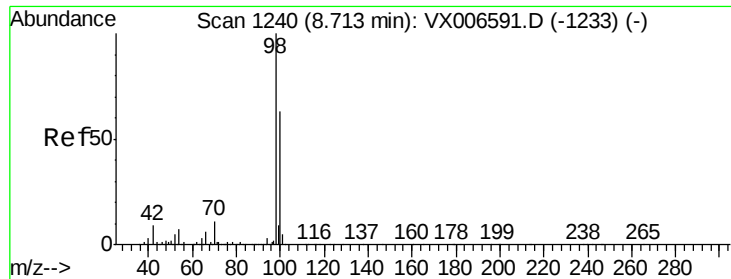
200

100

0

Time-->





#50

Toluene-d8

Concen: 49.466 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006607.D

Acq: 18 Dec 2018 19:25

Instrument :

MSVOA_X

ClientSampleId :

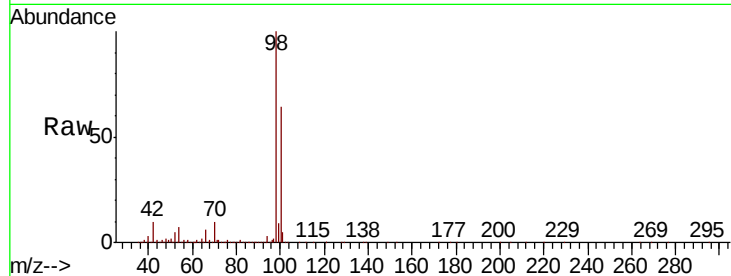
RE108D2-20181210DL

Tot Ion: 98 Resp: 1243233

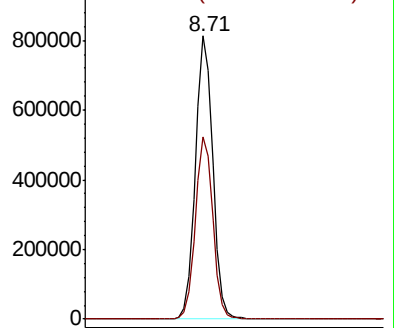
Ion Ratio Lower Upper

98 100

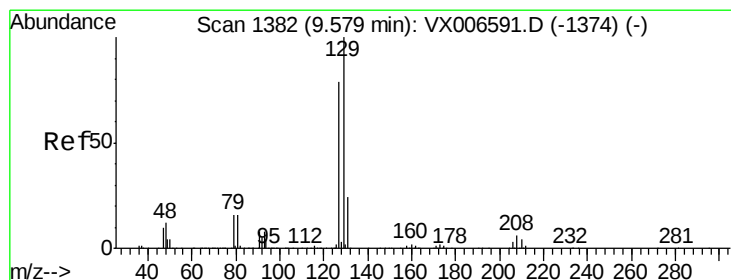
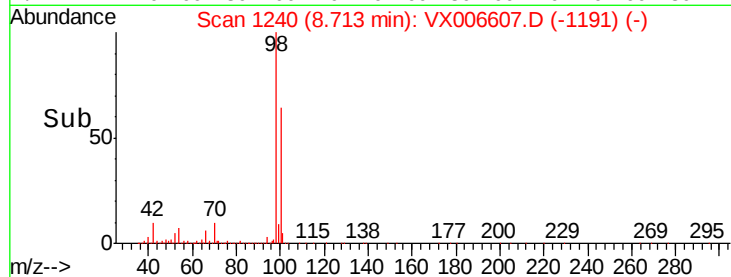
100 64.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX006607.D (-1191) (-)



Time-->



#60

Dibromochloromethane

Concen: 2.339 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.09 min

Lab File: VX006607.D

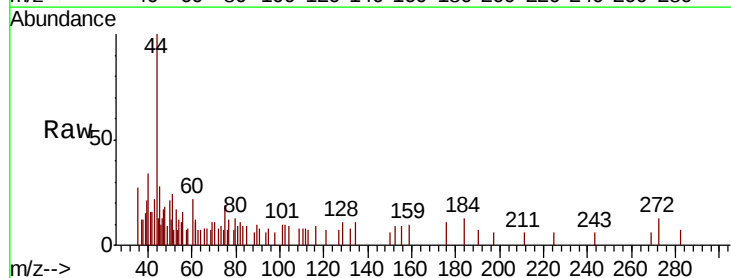
Acq: 18 Dec 2018 19:25

Tgt Ion: 129 Resp: 114

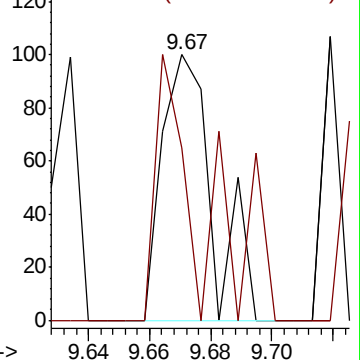
Ion Ratio Lower Upper

129 100

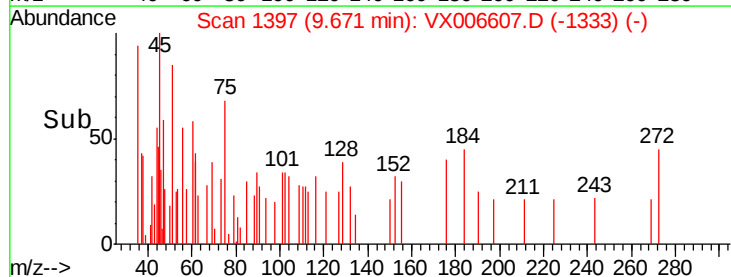
127 52.6 38.6 115.8

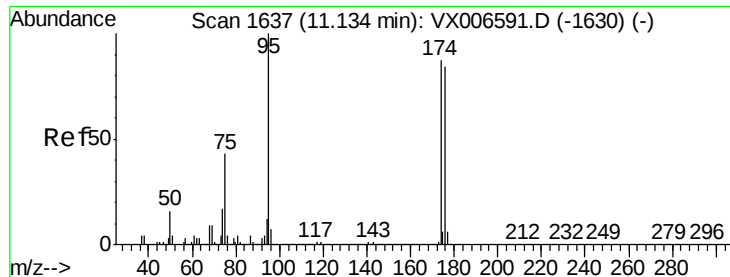


Abundance Ion 128.80 (128.50 to 129.50): VX006607.D (-1333) (-)



Time-->

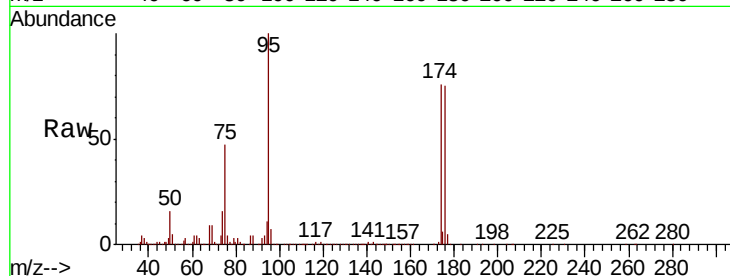




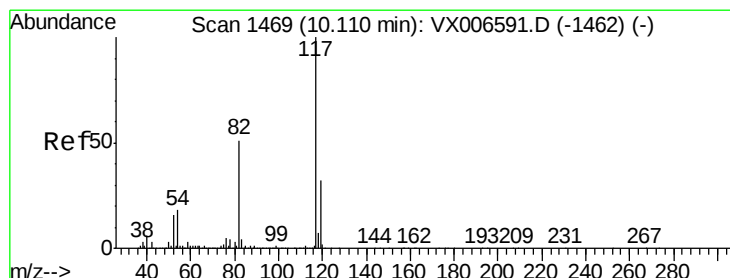
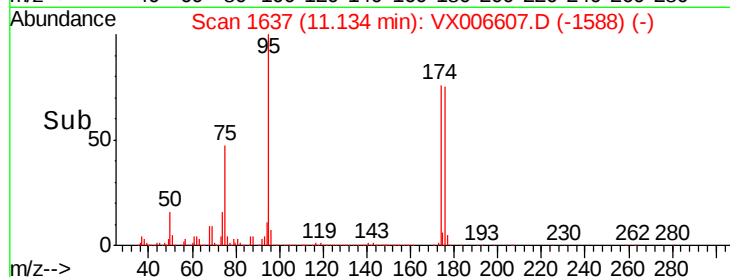
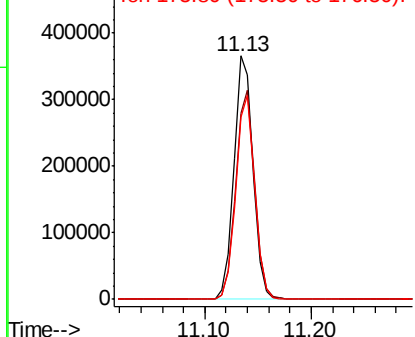
#62
4-Bromofluorobenzene
Concen: 49.890 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX006607.D
Acq: 18 Dec 2018 19:25

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20181210DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	86.1	0.0	187.0
176	83.3	0.0	181.8

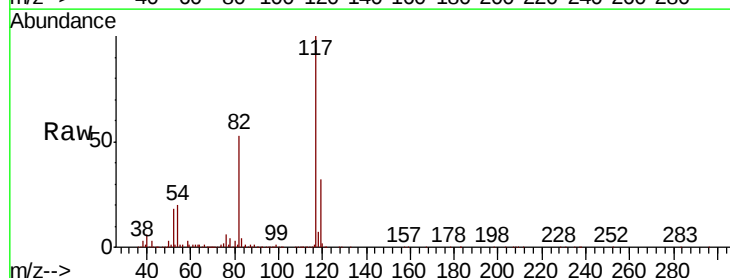


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

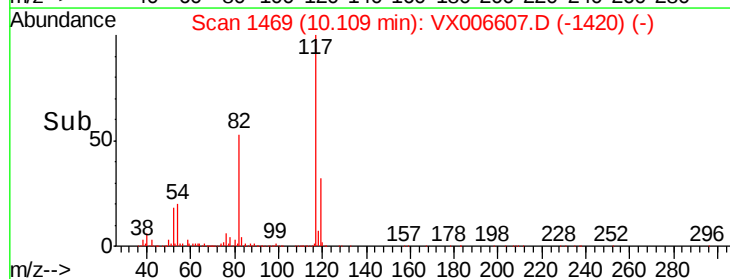
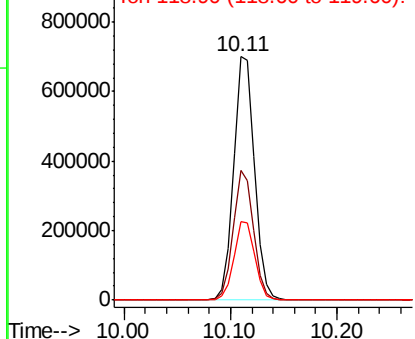


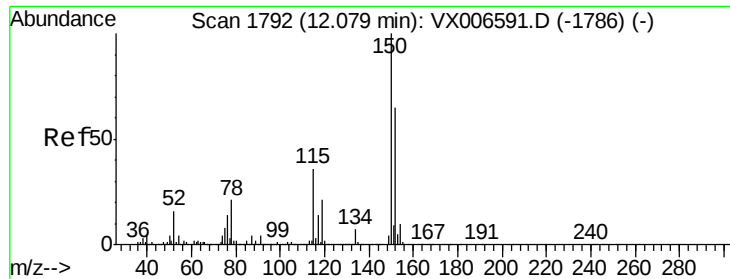
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006607.D
Acq: 18 Dec 2018 19:25

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.4	39.6	59.4
119	32.2	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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006607.D

Acq: 18 Dec 2018 19:25

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20181210DL

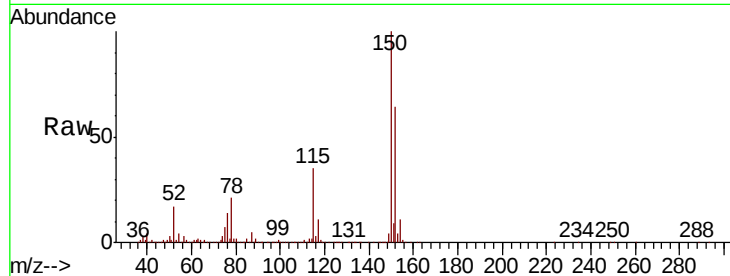
Tot Ion:152 Resp: 467964

Ion Ratio Lower Upper

152 100

115 56.4 39.0 116.9

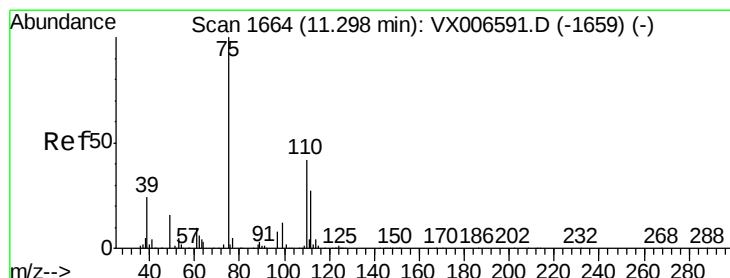
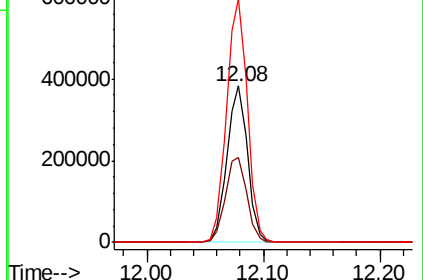
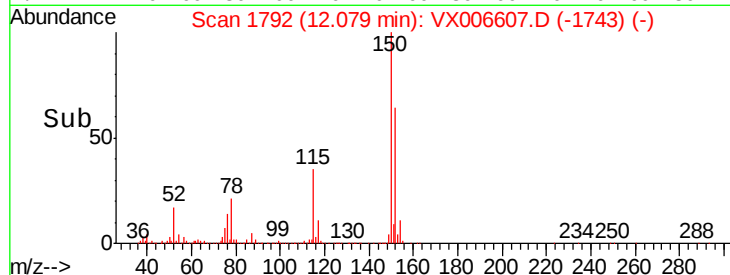
150 157.4 0.0 345.8



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: 26.301 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006607.D

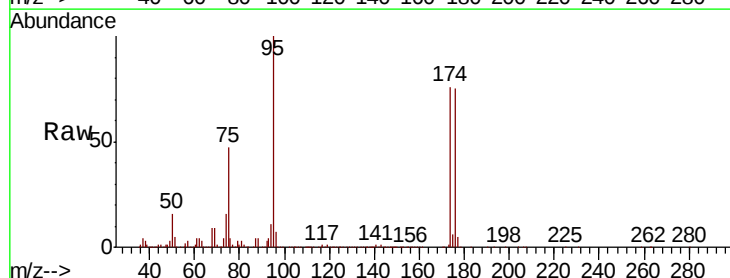
Acq: 18 Dec 2018 19:25

Tgt Ion: 75 Resp: 215713

Ion Ratio Lower Upper

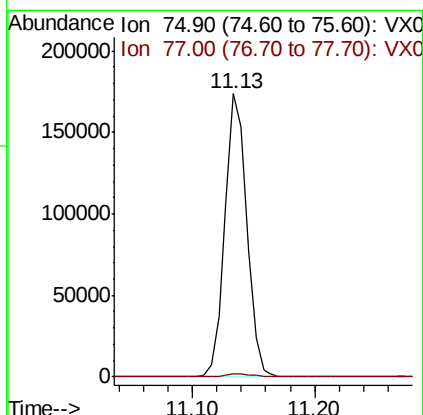
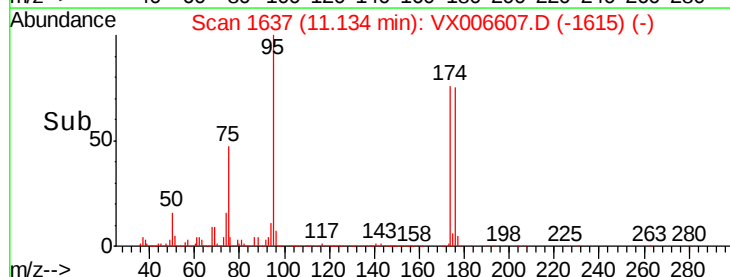
75 100

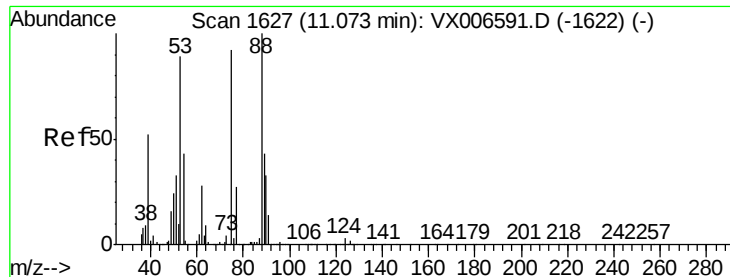
77 1.3 19.9 59.7#



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: 73.328 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006607.D

Acq: 18 Dec 2018 19:25

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20181210DL

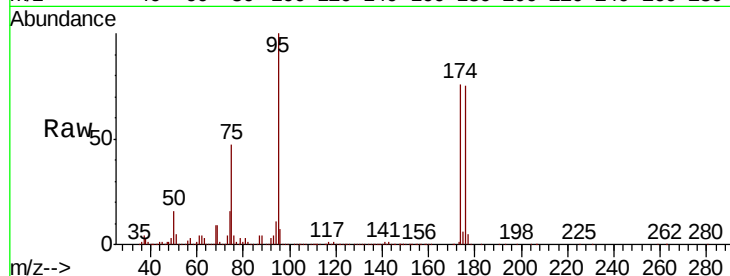
Tot Ion: 75 Resp: 215713

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

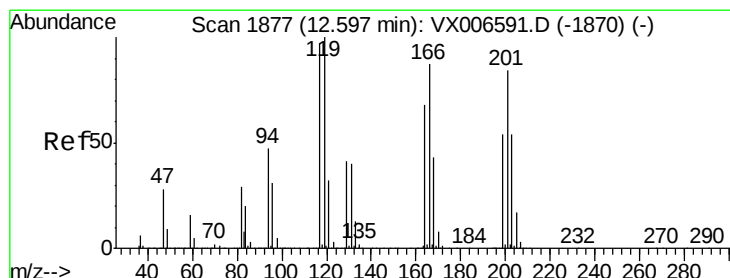
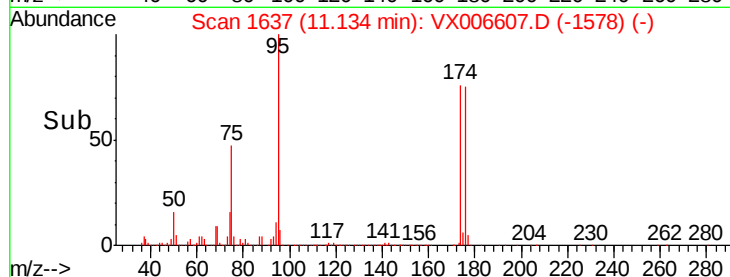
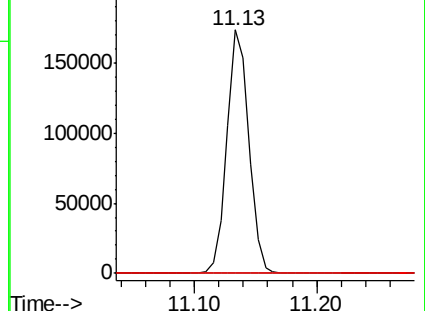
89 0.0 44.2 66.4#



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



#90

Hexachloroethane

Concen: 3.297 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX006607.D

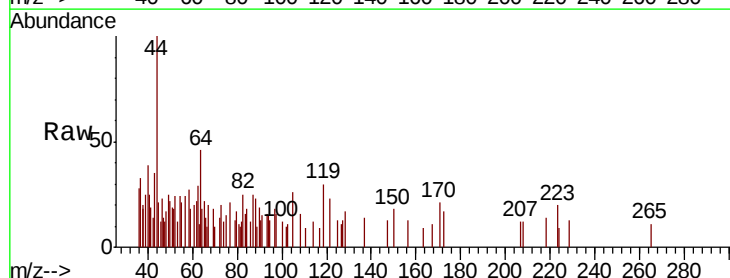
Acq: 18 Dec 2018 19:25

Tgt Ion: 117 Resp: 19

Ion Ratio Lower Upper

117 100

201 105.3 44.7 134.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

