

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006621.D
 Acq On : 19 Dec 2018 02:31
 Operator : JC/MD
 Sample : J6408-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA.MW1271-20181208

Quant Time: Dec 19 06:06:46 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	647719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1034741	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	949433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	455606	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	361132	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	
35) Dibromofluoromethane	5.51	113	306781	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	
50) Toluene-d8	8.71	98	1239692	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	11.13	95	444197	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	

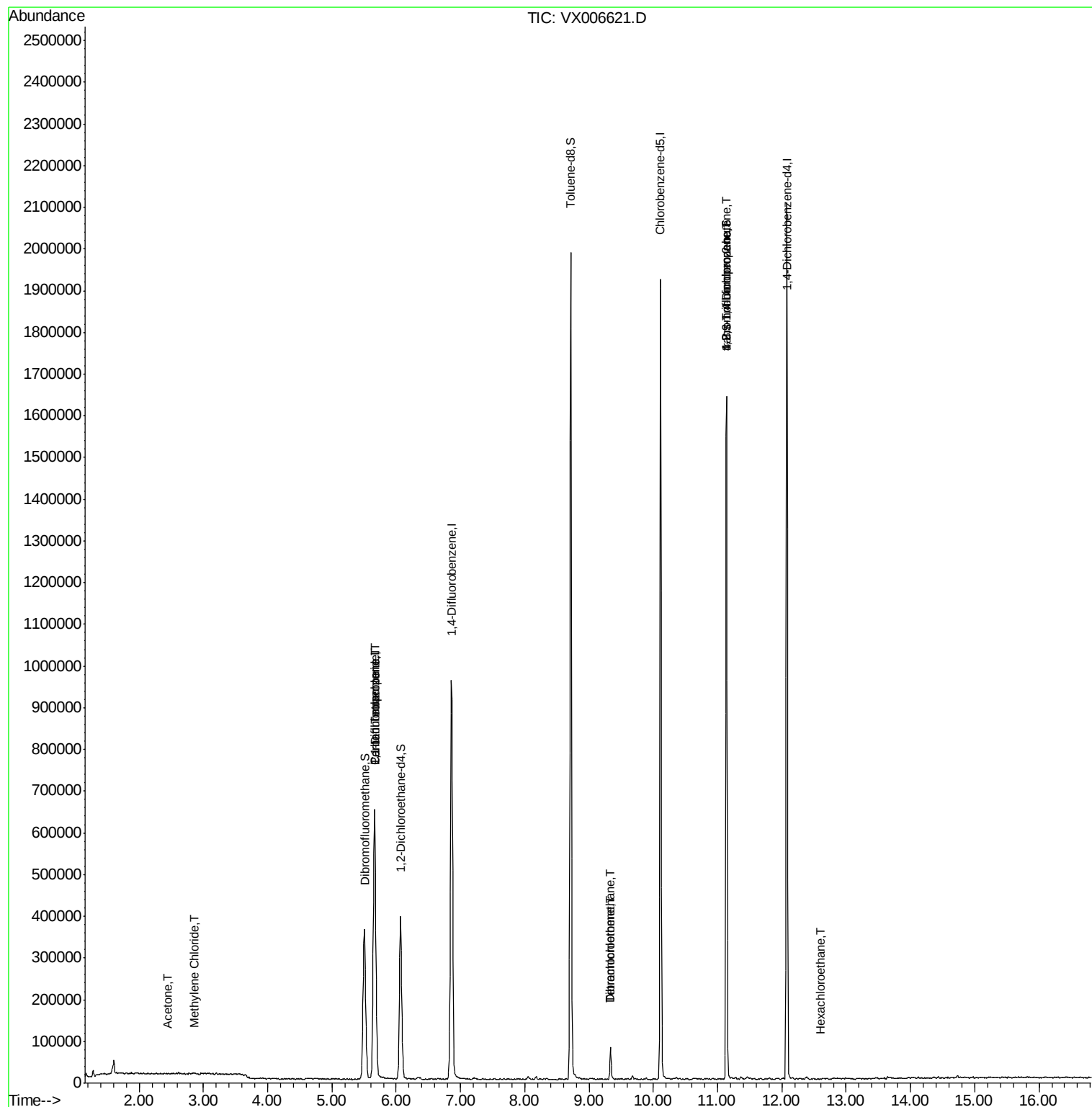
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	916	Below Cal	#	70
16) Acetone	2.44	43	1938	0.604	ug/l	94
20) Methylene Chloride	2.86	84	1614	0.243	ug/l #	62
28) Bromochloromethane	4.99	49	93	Below Cal	#	94
36) 1,1-Dichloropropene	5.66	75	43814	5.112	ug/l #	48
38) Carbon Tetrachloride	5.67	117	62815	7.542	ug/l #	16
49) 1,4-Dioxane	7.76	88	22	Below Cal	#	27
60) Dibromochloromethane	9.34	129	14594	4.256	ug/l #	11
64) Tetrachloroethene	9.34	164	14826	1.972	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	208671	26.132	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	208671	72.885	ug/l #	15
90) Hexachloroethane	12.60	117	99	3.315	ug/l #	5

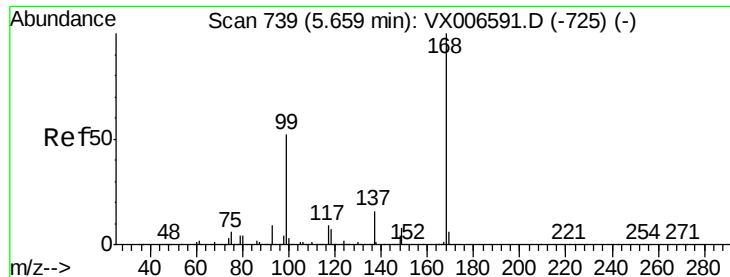
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX006621.D

Acq: 19 Dec 2018 02:31

Instrument :

MSVOA_X

ClientSampleId :

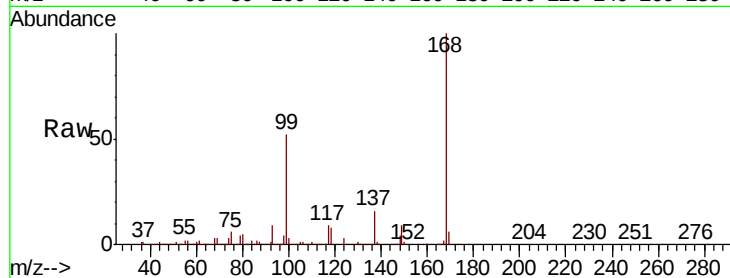
SA.MW127I-20181208

Tot Ion:168 Resp: 647719

Ion Ratio Lower Upper

168 100

99 51.7 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

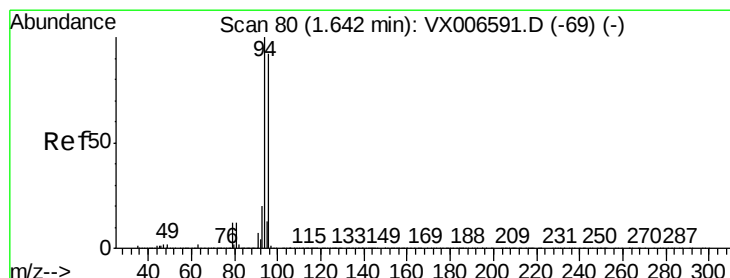
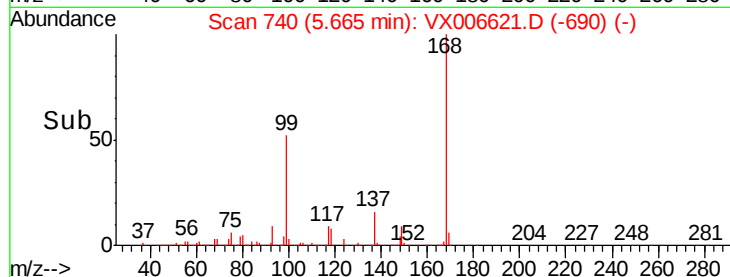
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX006621.D

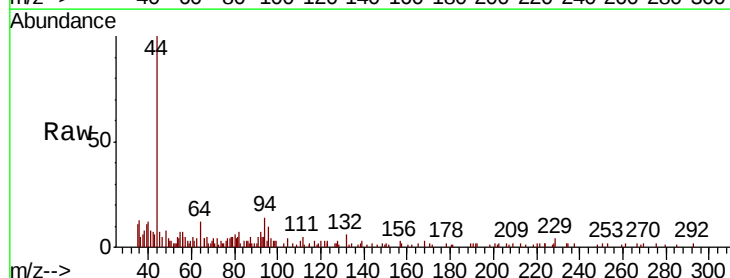
Acq: 19 Dec 2018 02:31

Tgt Ion: 94 Resp: 916

Ion Ratio Lower Upper

94 100

96 64.1 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

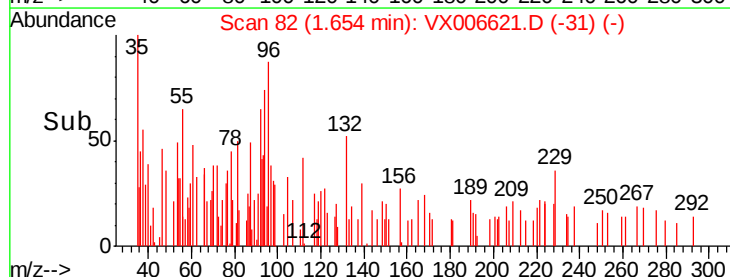
600

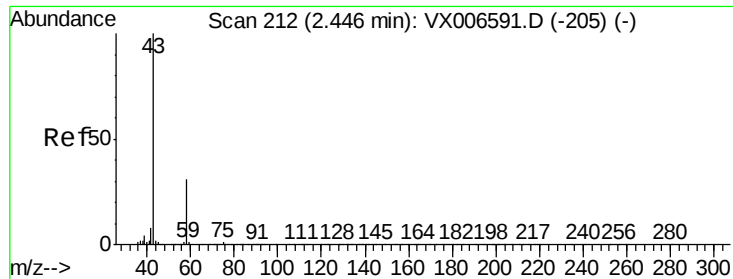
400

200

0

Time--> 1.60 1.65 1.70





#16

Acetone

Concen: 0.604 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX006621.D

Acq: 19 Dec 2018 02:31

Instrument :

MSVOA_X

ClientSampleId :

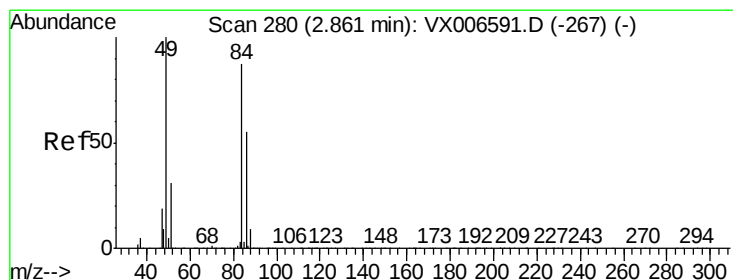
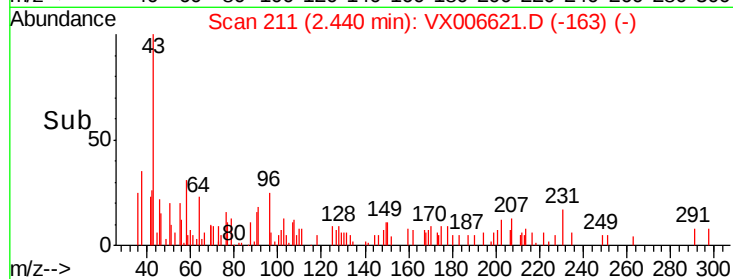
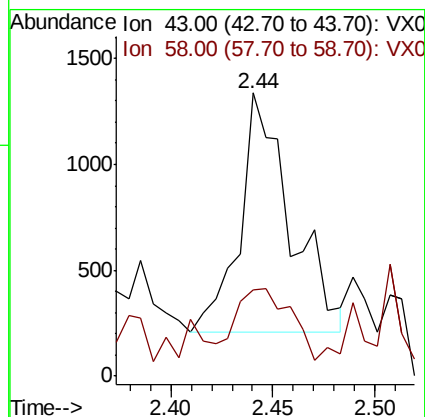
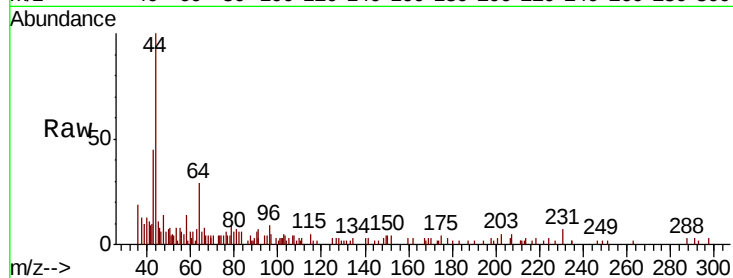
SA.MW1271-20181208

Tot Ion: 43 Resp: 1938

Ion Ratio Lower Upper

43 100

58 26.9 24.0 36.0



#20

Methylene Chloride

Concen: 0.243 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX006621.D

Acq: 19 Dec 2018 02:31

Tgt Ion: 84 Resp: 1614

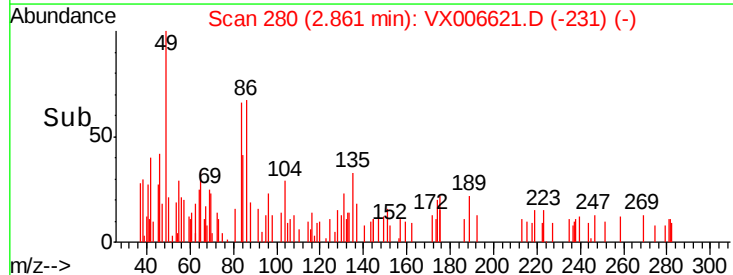
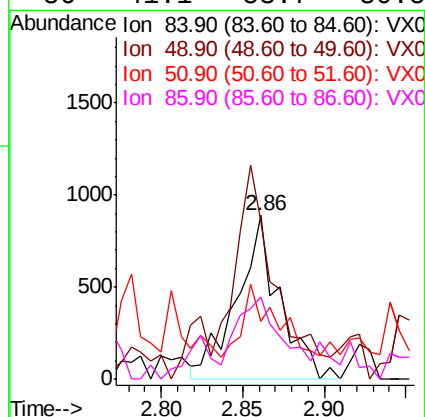
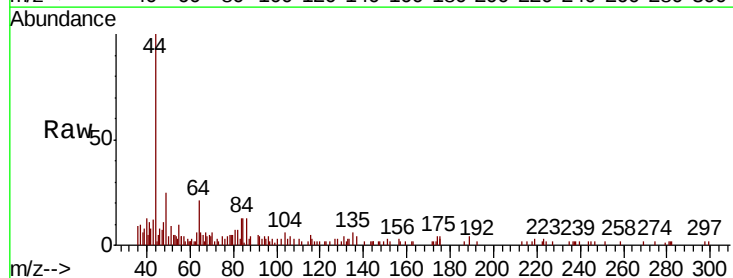
Ion Ratio Lower Upper

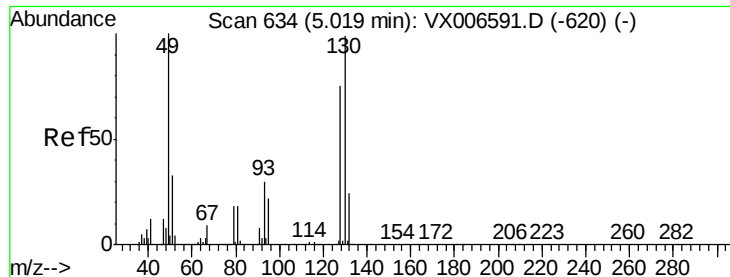
84 100

49 77.4 102.2 153.4#

51 20.2 31.1 46.7#

86 41.1 53.7 80.5#





#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 630

Delta R.T. -0.02 min

Lab File: VX006621.D

Acq: 19 Dec 2018 02:31

Instrument :

MSVOA_X

ClientSampleId :

SA.MW127I-20181208

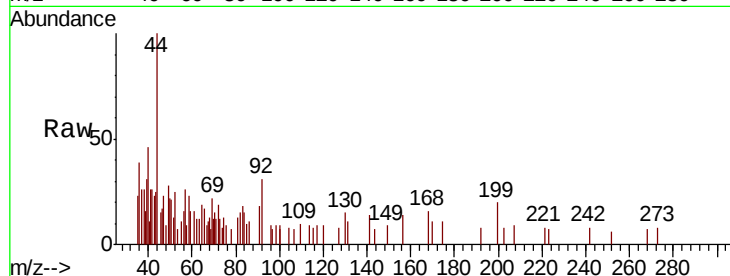
Tot Ion: 49 Resp: 93

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.0

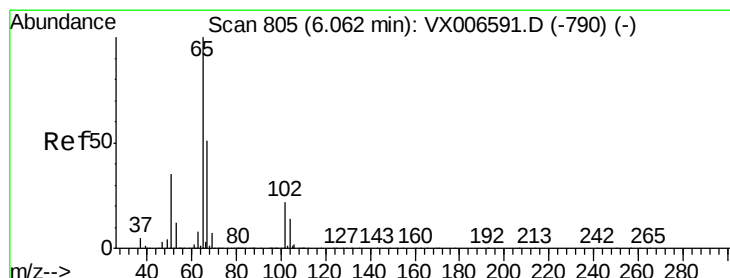
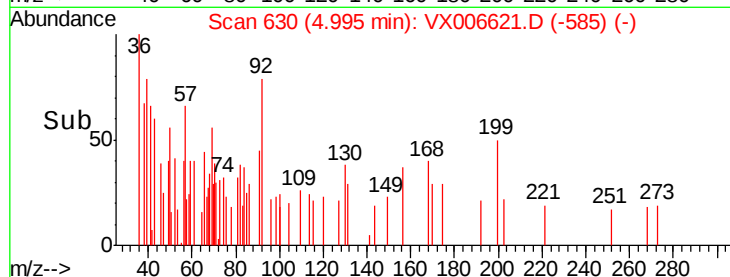
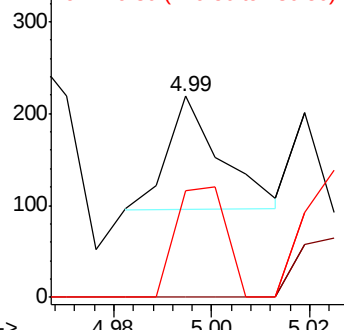
130 92.5 78.3 117.5



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



#33

1,2-Dichloroethane-d4

Concen: 51.732 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006621.D

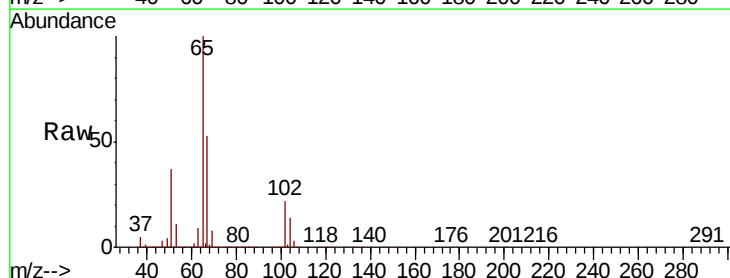
Acq: 19 Dec 2018 02:31

Tgt Ion: 65 Resp: 361132

Ion Ratio Lower Upper

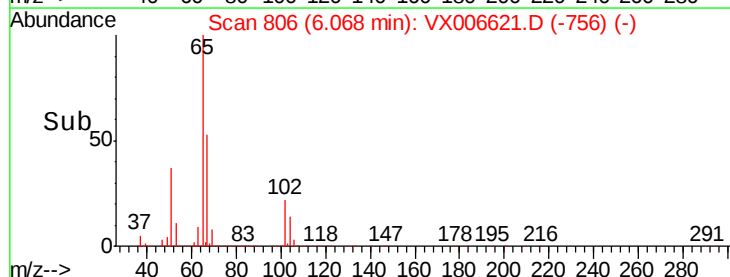
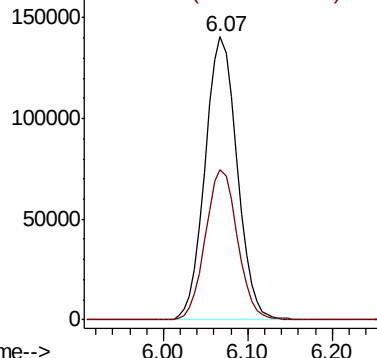
65 100

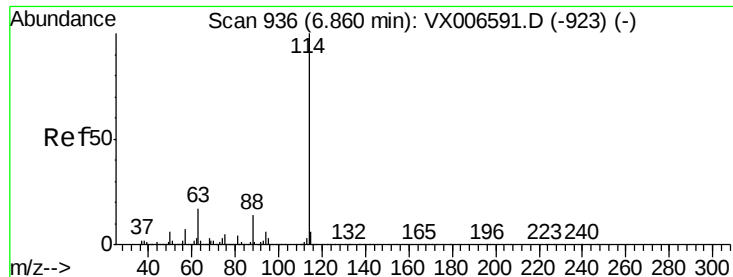
67 53.1 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006621.D

Acq: 19 Dec 2018 02:31

Instrument :

MSVOA_X

ClientSampleId :

SA.MW127I-20181208

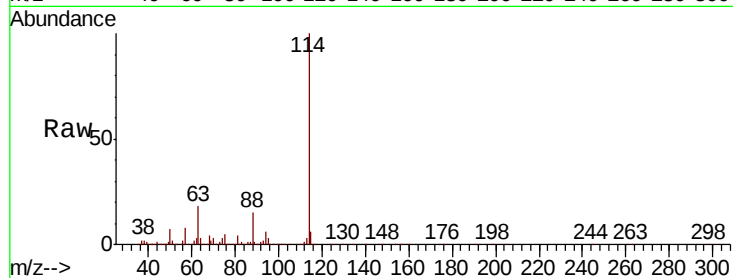
Tot Ion:114 Resp: 1034741

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.6

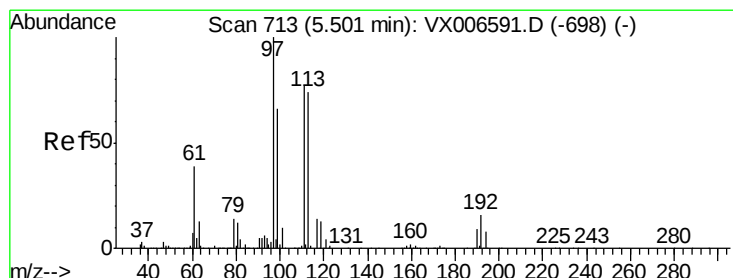
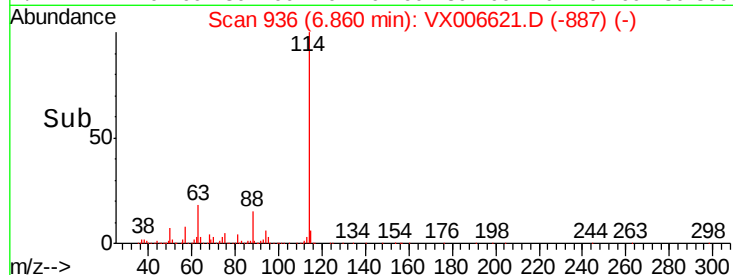
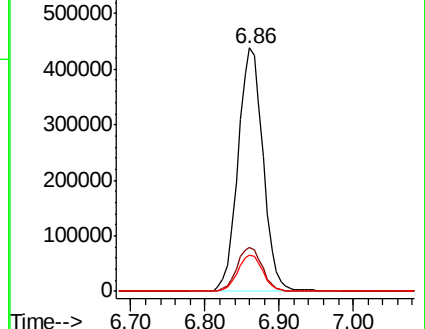
88 15.1 0.0 29.0



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



#35

Dibromofluoromethane

Concen: 46.883 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006621.D

Acq: 19 Dec 2018 02:31

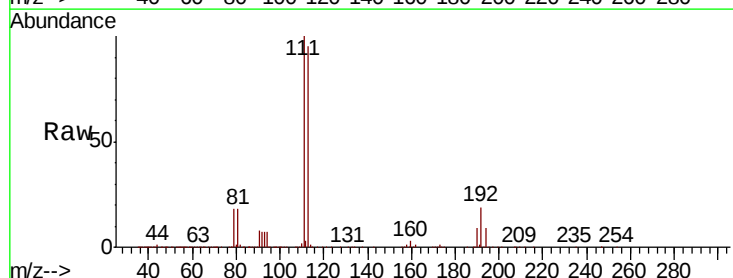
Tgt Ion:113 Resp: 306781

Ion Ratio Lower Upper

113 100

111 103.5 81.1 121.7

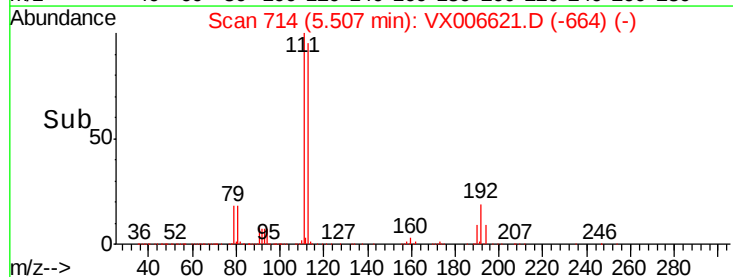
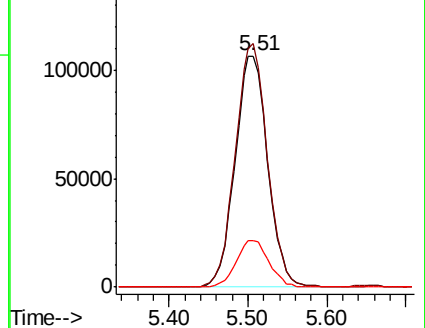
192 20.2 18.2 27.2

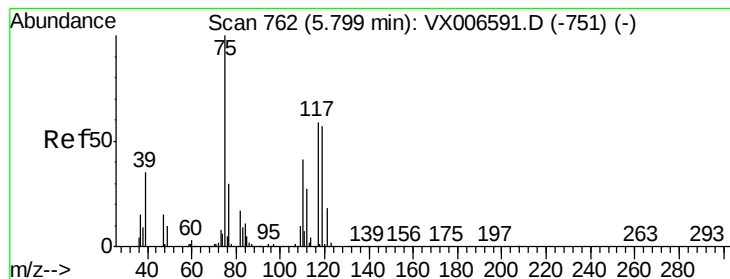


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.112 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006621.D

Acq: 19 Dec 2018 02:31

Instrument :

MSVOA_X

ClientSampleId :

SA.MW127I-20181208

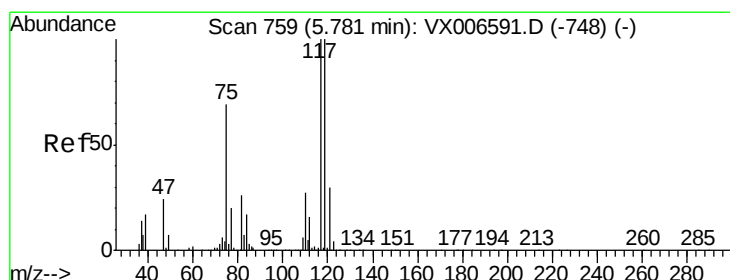
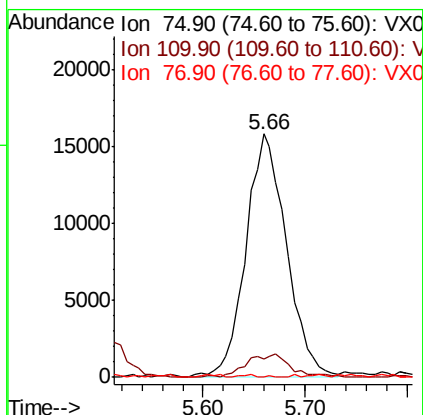
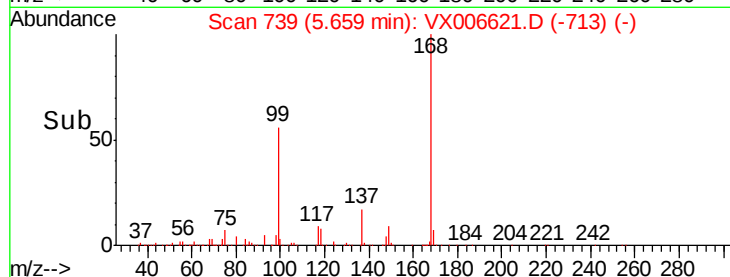
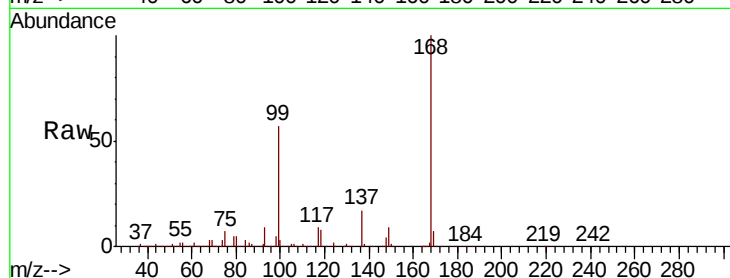
Tot Ion: 75 Resp: 43814

Ion Ratio Lower Upper

75 100

110 10.4 20.4 61.3#

77 0.1 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 7.542 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006621.D

Acq: 19 Dec 2018 02:31

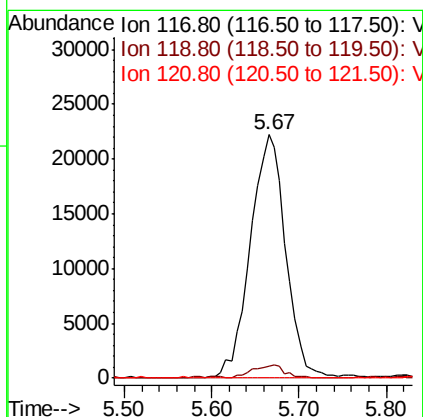
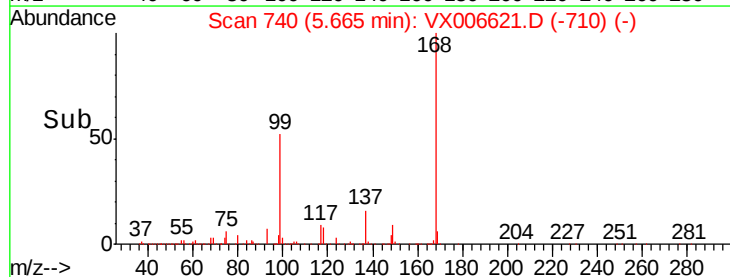
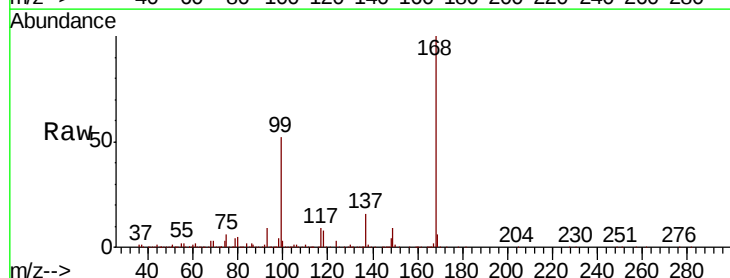
Tgt Ion: 117 Resp: 62815

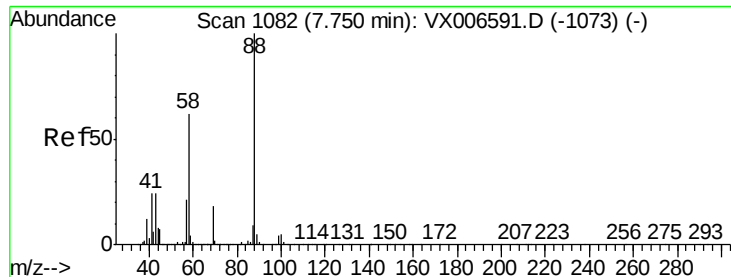
Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.8#

121 0.2 24.6 37.0#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX006621.D

Acq: 19 Dec 2018 02:31

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SA.MW1271-20181208

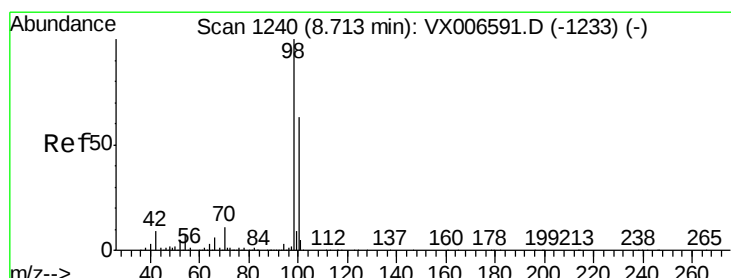
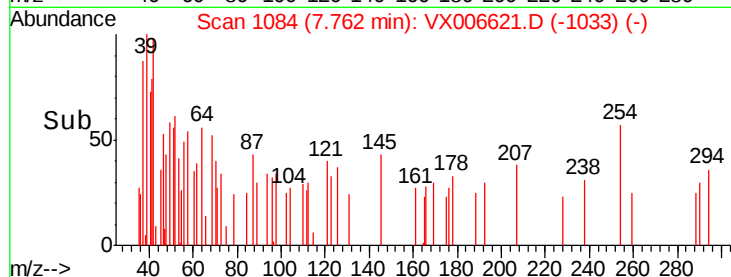
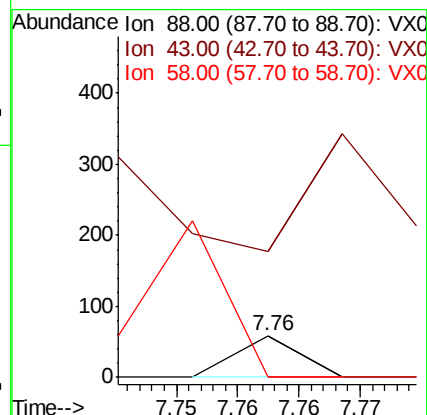
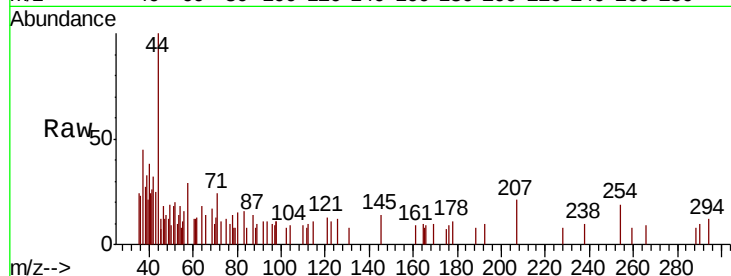
Tot Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 0.0 23.2 34.8#

58 0.0 51.4 77.0#



#50

Toluene-d8

Concen: 50.253 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006621.D

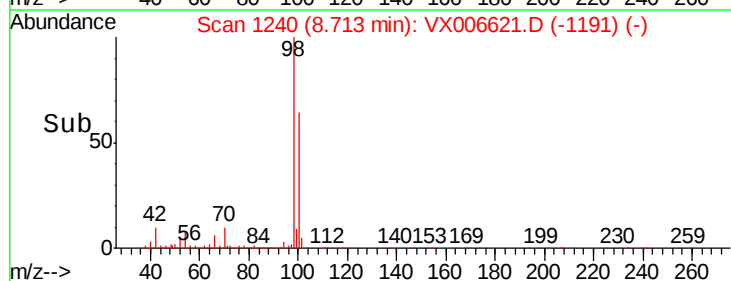
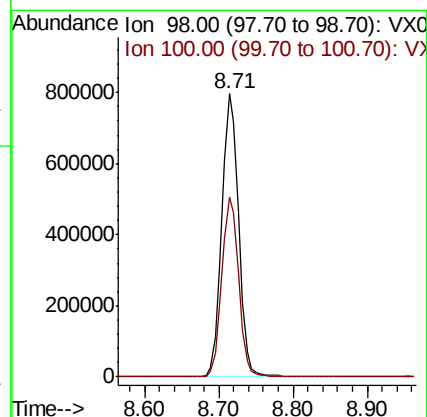
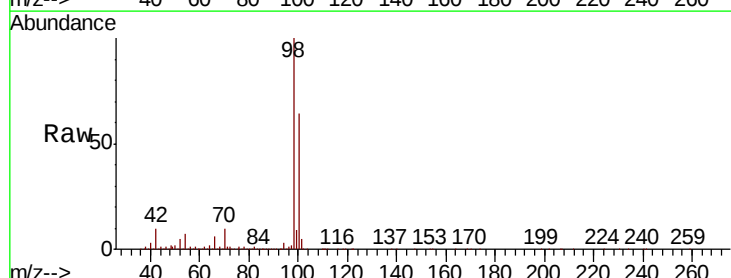
Acq: 19 Dec 2018 02:31

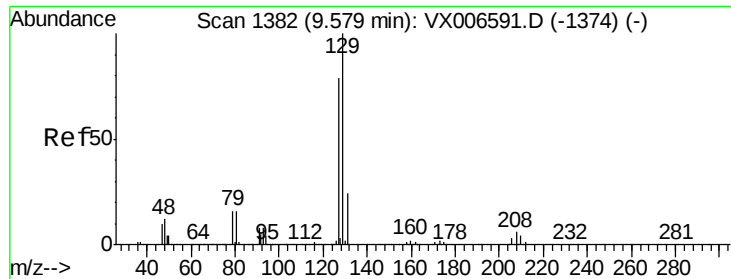
Tgt Ion: 98 Resp: 1239692

Ion Ratio Lower Upper

98 100

100 63.8 52.2 78.2





#60

Dibromochloromethane

Concen: 4.256 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX006621.D

Acq: 19 Dec 2018 02:31

Instrument :

MSVOA_X

ClientSampleId :

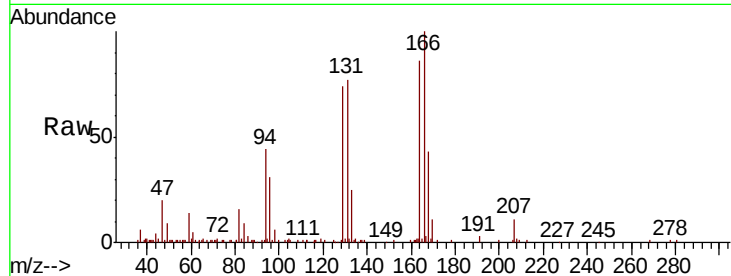
SA.MW127I-20181208

Tot Ion:129 Resp: 14594

Ion Ratio Lower Upper

129 100

127 0.5 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

10000

8000

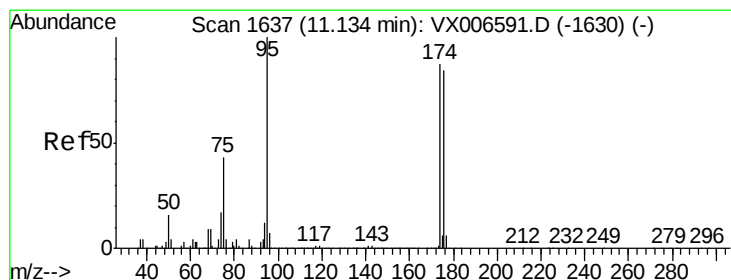
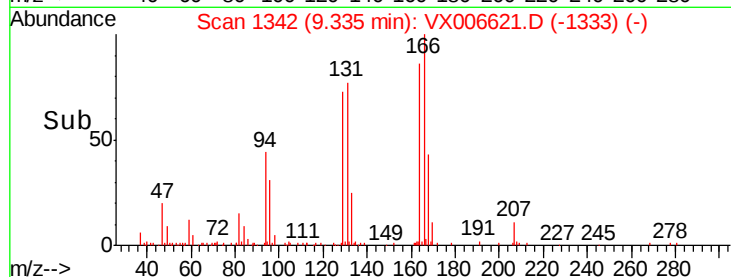
6000

4000

2000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.165 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006621.D

Acq: 19 Dec 2018 02:31

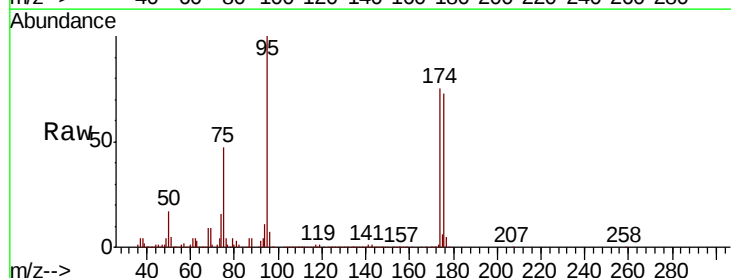
Tgt Ion: 95 Resp: 444197

Ion Ratio Lower Upper

95 100

174 84.8 0.0 187.0

176 84.1 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

11.13

400000

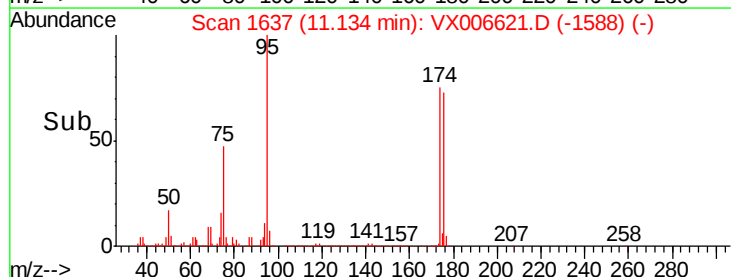
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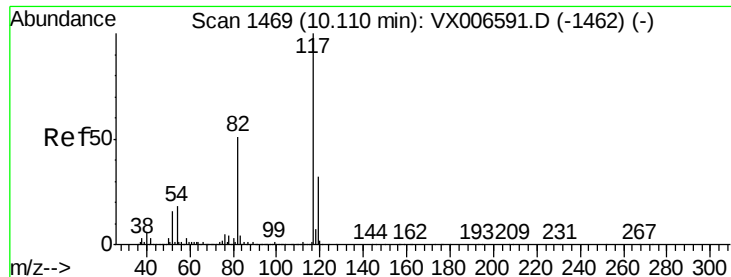
200000

100000

0

Time-->

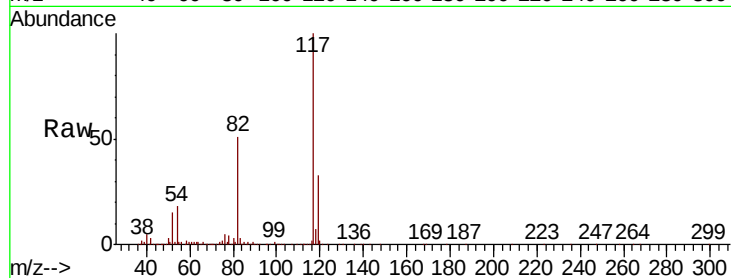




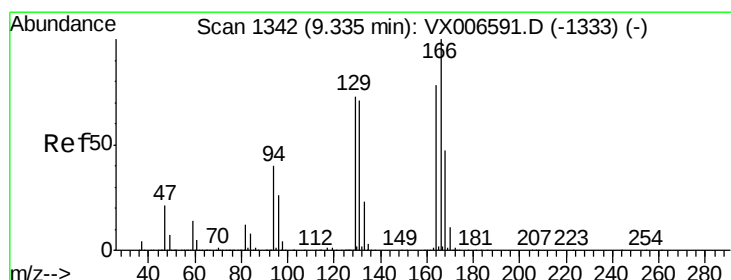
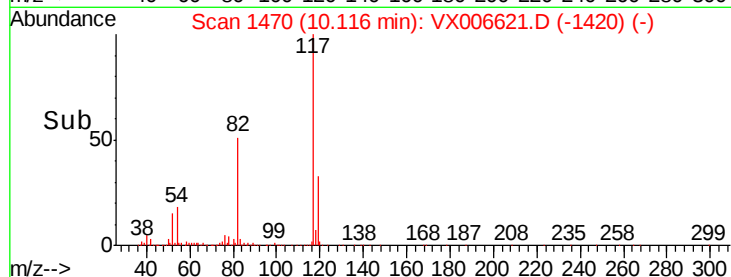
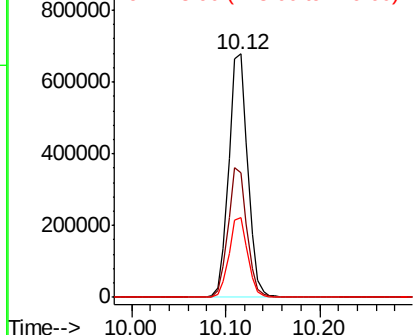
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006621.D
Acq: 19 Dec 2018 02:31

Instrument :
MSVOA_X
ClientSampleId :
SA.MW127I-20181208

Tot Ion:117 Resp: 949433
Ion Ratio Lower Upper
117 100
82 51.0 39.6 59.4
119 32.8 26.3 39.5

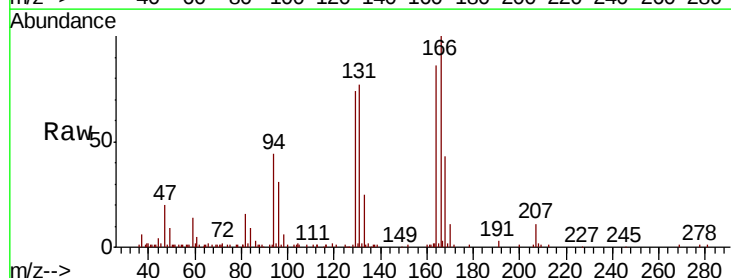


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

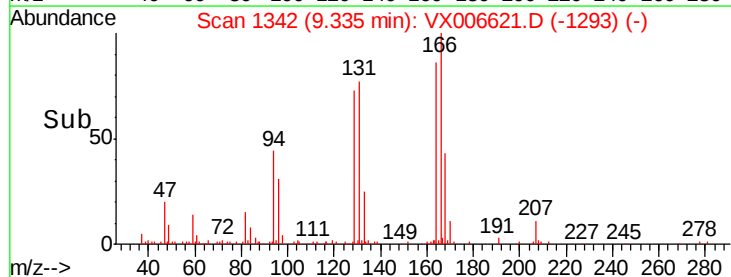
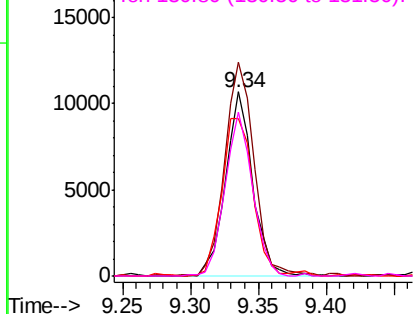


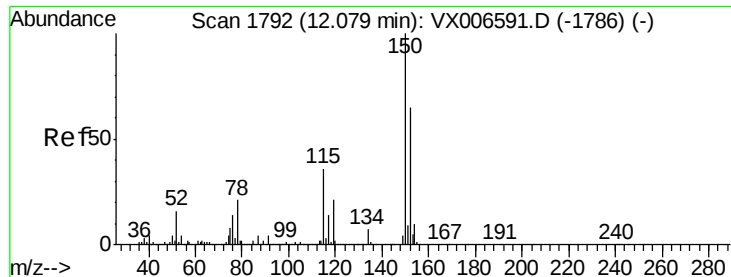
#64
Tetrachloroethene
Concen: 1.972 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006621.D
Acq: 19 Dec 2018 02:31

Tgt Ion:164 Resp: 14826
Ion Ratio Lower Upper
164 100
166 115.5 104.2 156.2
129 85.6 72.6 108.8
131 88.9 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



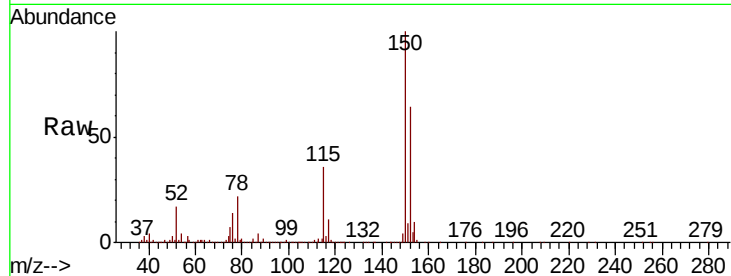


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006621.D
Acq: 19 Dec 2018 02:31

Instrument :
MSVOA_X
ClientSampleId :
SA.MW127I-20181208

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.3	39.0	116.9
150	155.5	0.0	345.8

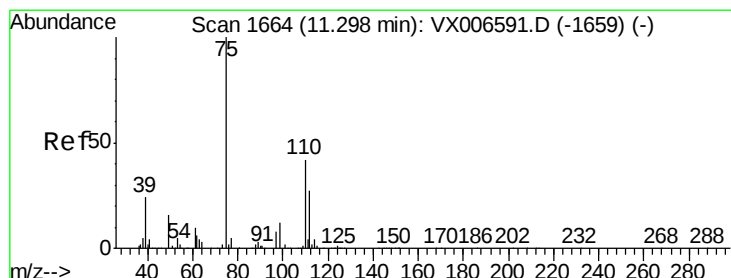
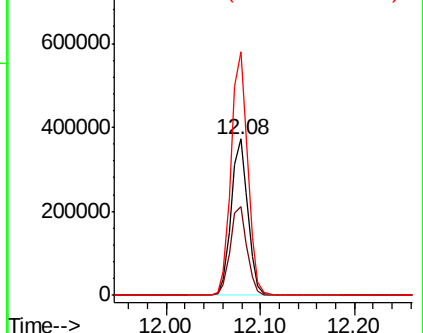
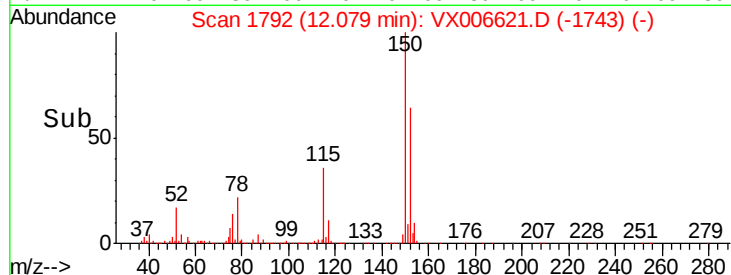


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

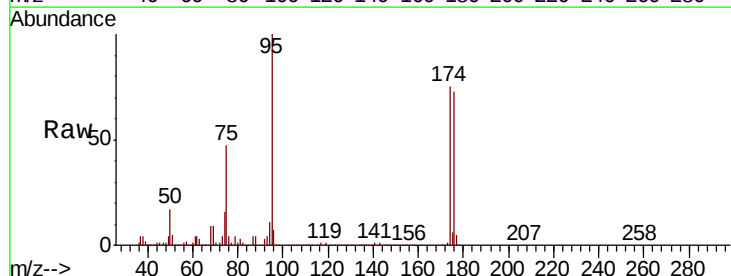
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane
Concen: 26.132 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006621.D
Acq: 19 Dec 2018 02:31

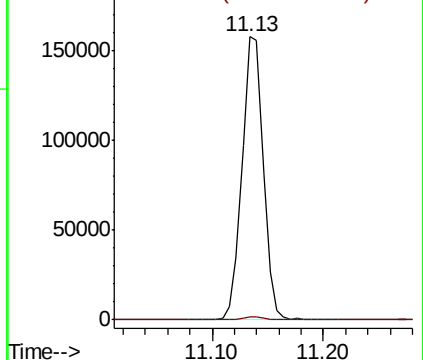
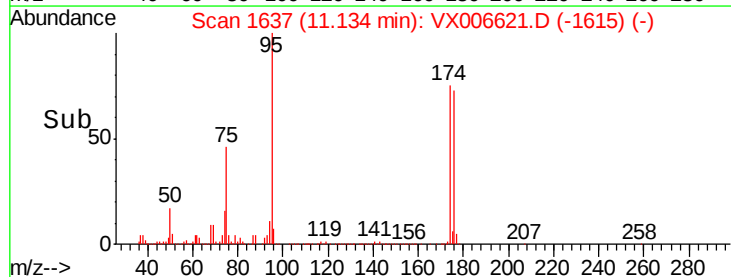
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	19.9	59.7#

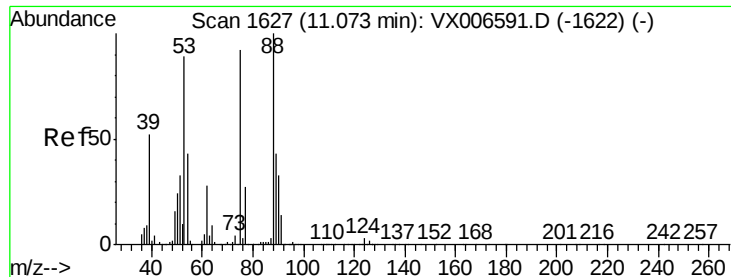


Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

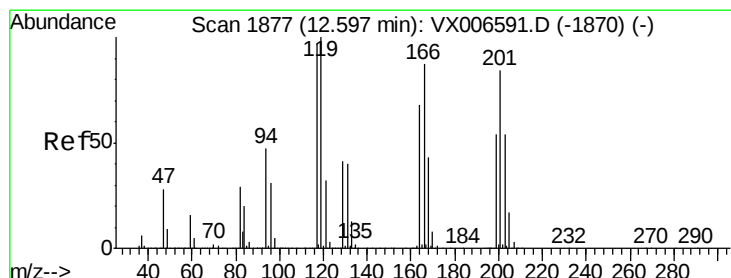
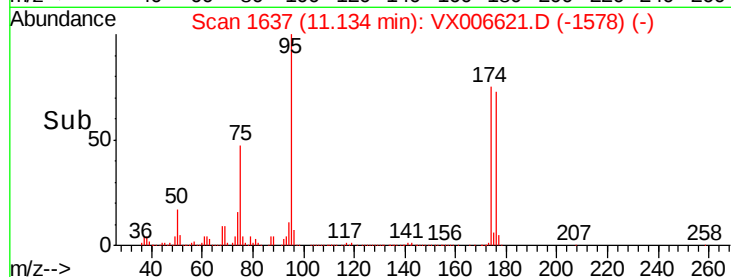
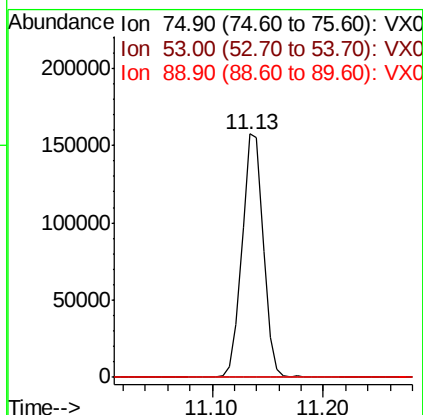
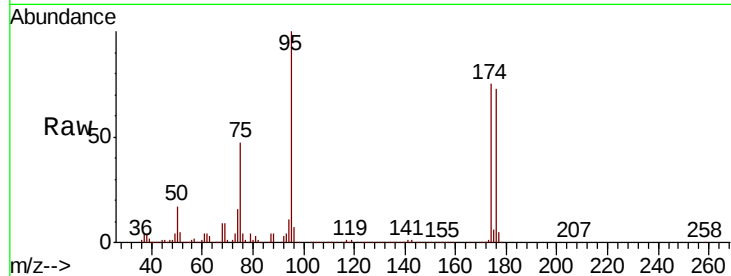




#81
trans-1,4-Dichloro-2-butene
Concen: 72.885 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX006621.D
Acq: 19 Dec 2018 02:31

Instrument :
MSVOA_X
ClientSampleId :
SA.MW127I-20181208

Tot Ion: 75 Resp: 208671
Ion Ratio Lower Upper
75 100
53 0.1 64.4 96.6#
89 0.0 44.2 66.4#



#90
Hexachloroethane
Concen: 3.315 ug/l
RT: 12.60 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VX006621.D
Acq: 19 Dec 2018 02:31

Tgt Ion: 117 Resp: 99
Ion Ratio Lower Upper
117 100
201 0.0 44.7 134.1#

