

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX010319\
 Data File : VX006891.D
 Acq On : 03 Jan 2019 13:39
 Operator : JC/MD
 Sample : K1029-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B12_123118

Quant Time: Jan 04 00:19:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	664087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1005394	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	915335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	441569	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	343219	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
35) Dibromofluoromethane	5.50	113	305807	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
50) Toluene-d8	8.71	98	1178637	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	11.13	95	421596	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	

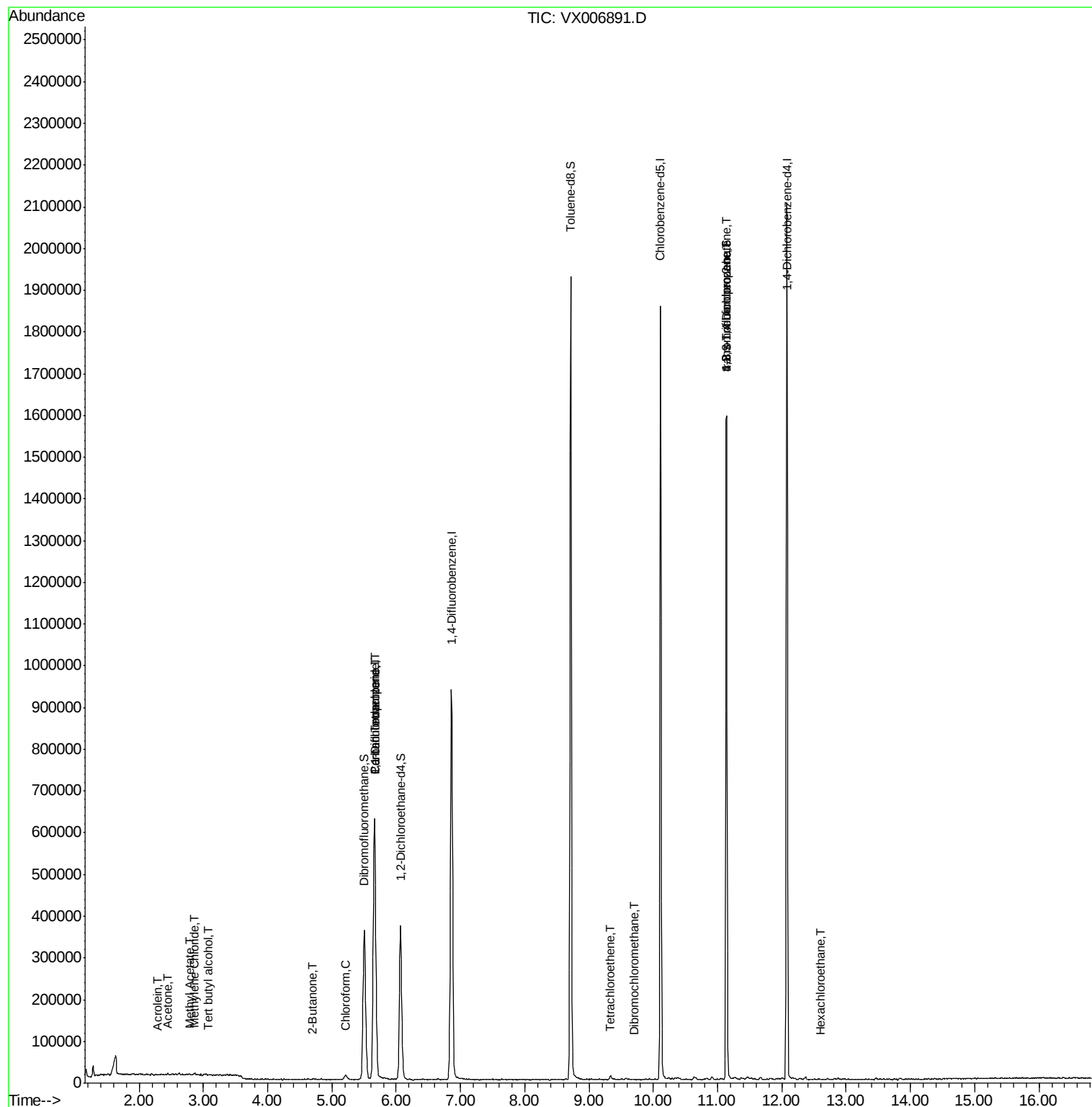
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1100	Below Cal		84
11) Tert butyl alcohol	3.07	59	720	0.451	ug/l #	1
13) Acrolein	2.28	56	252	0.234	ug/l #	13
16) Acetone	2.45	43	4017	1.222	ug/l #	75
18) Methyl Acetate	2.79	43	2255	0.233	ug/l #	82
20) Methylene Chloride	2.87	84	2533	0.373	ug/l	84
25) 2-Butanone	4.70	43	1856	0.401	ug/l	98
28) Bromochloromethane	5.03	49	221	Below Cal	#	22
30) Chloroform	5.21	83	12744	1.128	ug/l #	70
36) 1,1-Dichloropropene	5.66	75	42488	5.102	ug/l #	49
38) Carbon Tetrachloride	5.66	117	59597	7.364	ug/l #	14
49) 1,4-Dioxane	7.75	88	87	Below Cal	#	1
60) Dibromochloromethane	9.70	129	100	2.338	ug/l	71
64) Tetrachloroethene	9.33	164	1823	0.252	ug/l #	81
76) 1,2,3-Trichloropropane	11.13	75	197054	24.013	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	197054	71.124	ug/l #	10
90) Hexachloroethane	12.60	117	46	3.303	ug/l #	6

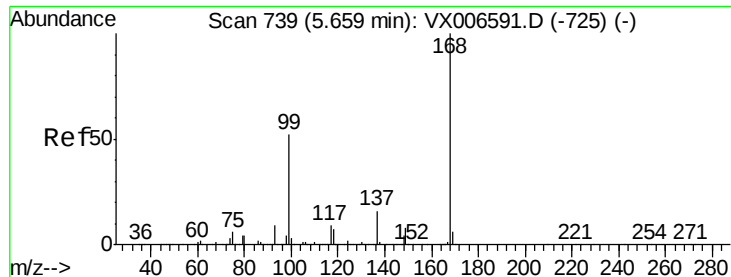
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX010319\
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Instrument :
MSVOA_X
ClientSampled :
B12_123118

Quant Time: Jan 04 00:19:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006891.D

Acq: 03 Jan 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

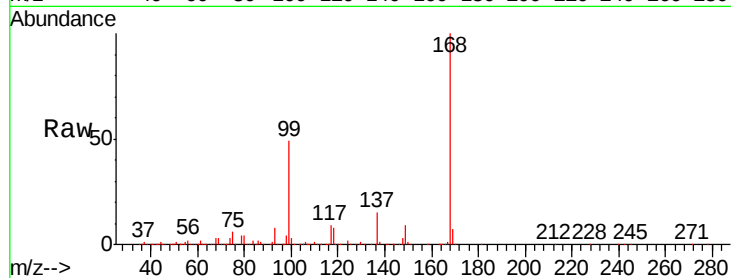
B12 123118

Tgt Ion:168 Resp: 664087

Ion Ratio Lower Upper

168 100

99 48.8 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

150000

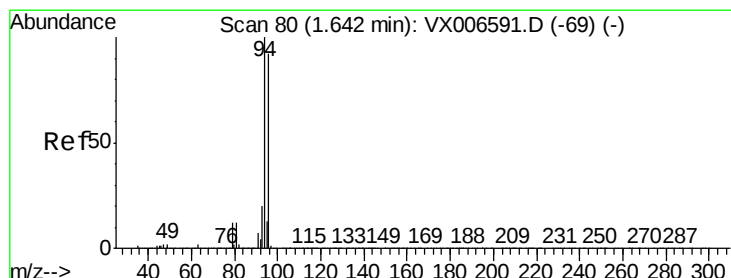
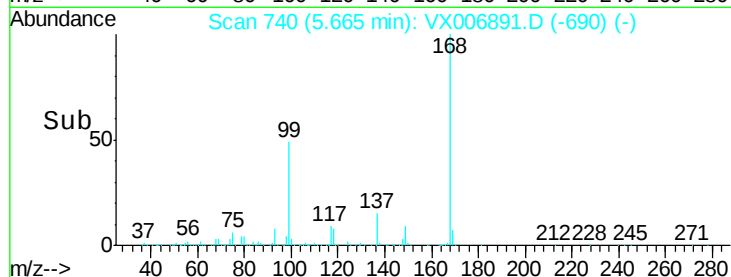
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006891.D

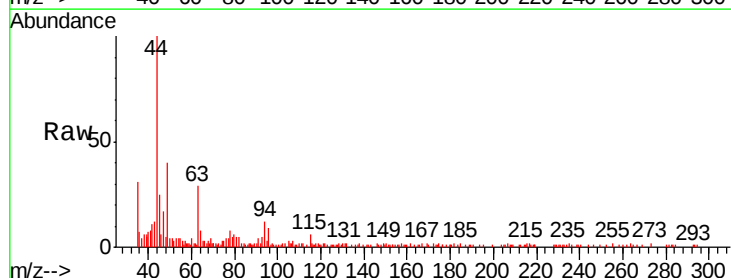
Acq: 03 Jan 2019 13:39

Tgt Ion: 94 Resp: 1100

Ion Ratio Lower Upper

94 100

96 76.5 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1200

1000

800

600

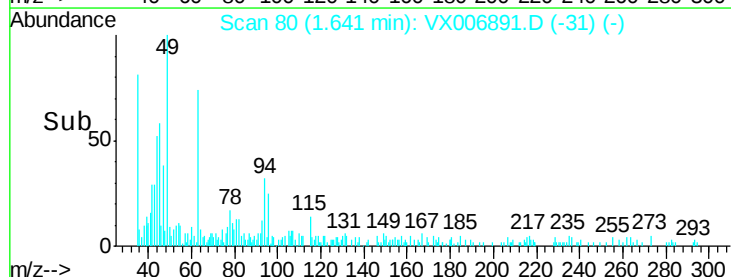
400

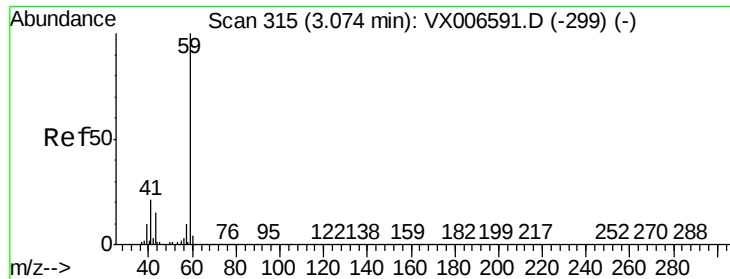
200

0

Time-->

1.65 1.70

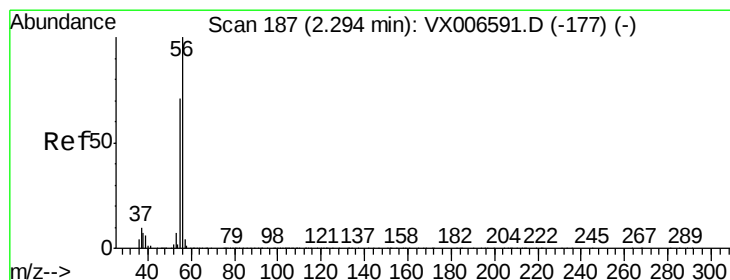
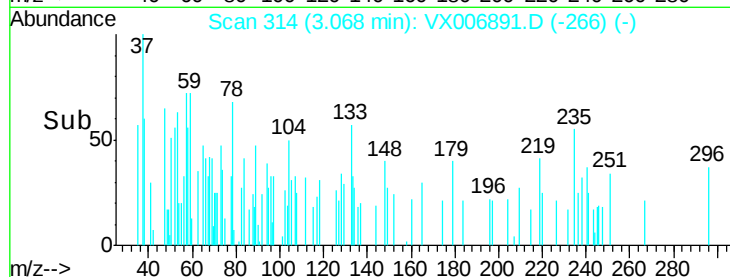
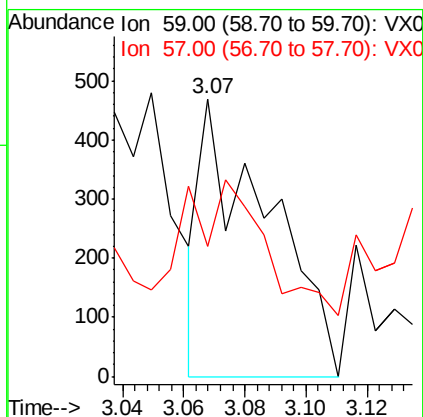
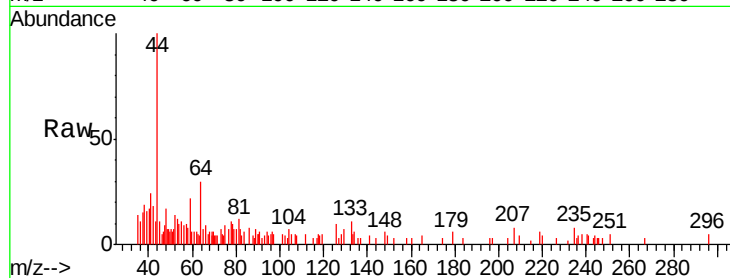




#11
Tert butyl alcohol
Concen: 0.451 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006891.D
Acq: 03 Jan 2019 13:39

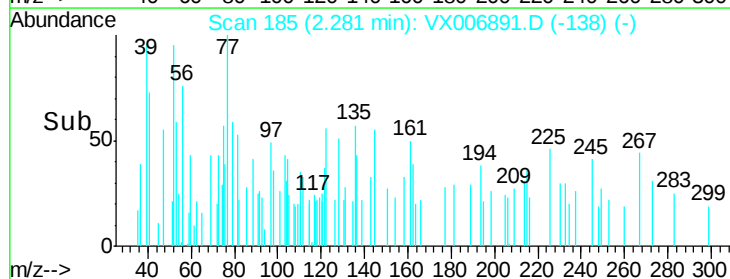
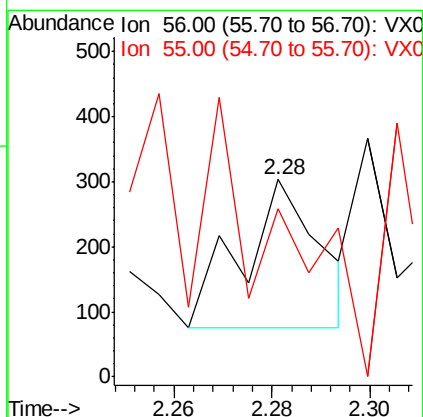
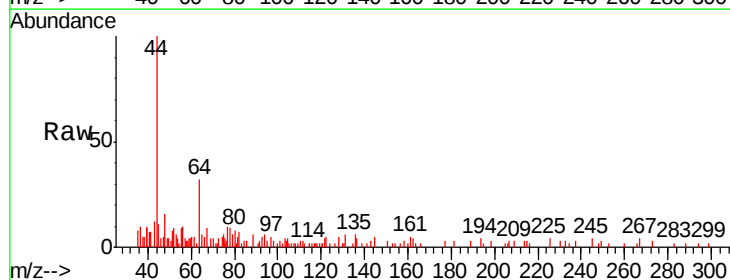
Instrument :
MSVOA_X
ClientSampleId :
B12_123118

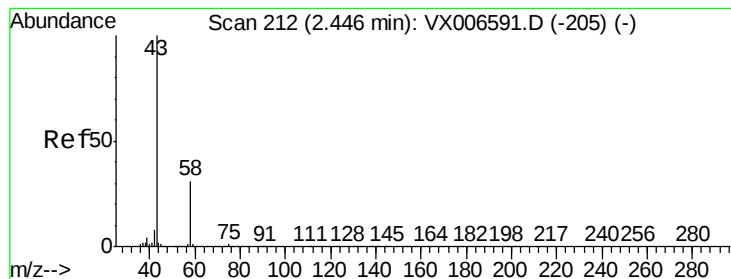
Tgt Ion: 59 Resp: 720
Ion Ratio Lower Upper
59 100
57 89.2 8.5 12.7#



#13
Acrolein
Concen: 0.234 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX006891.D
Acq: 03 Jan 2019 13:39

Tgt Ion: 56 Resp: 252
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.4#





#16

Acetone

Concen: 1.222 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006891.D

Acq: 03 Jan 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

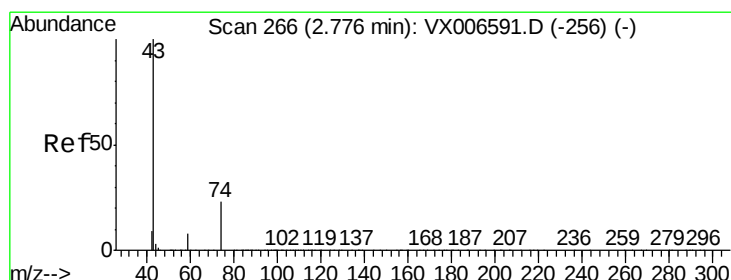
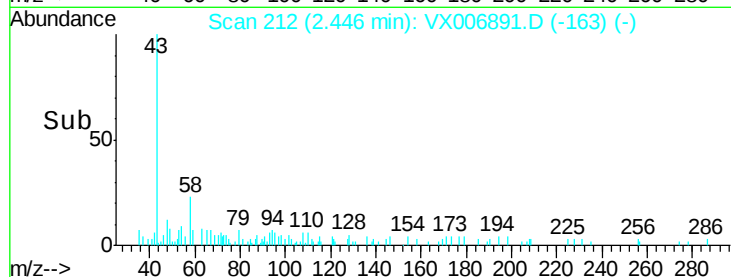
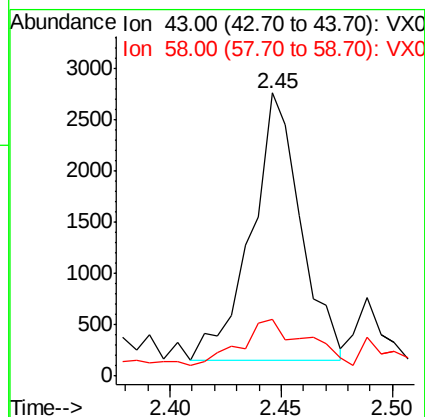
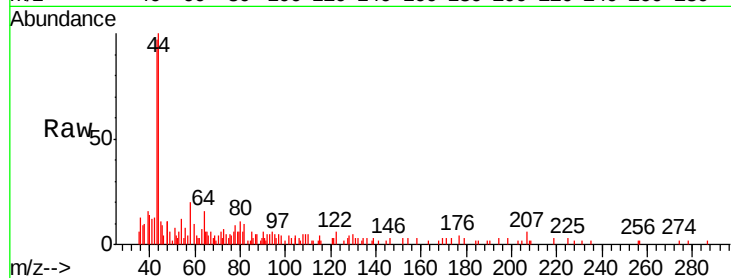
B12_123118

Tgt Ion: 43 Resp: 4017

Ion Ratio Lower Upper

43 100

58 17.6 25.0 37.6#



#18

Methyl Acetate

Concen: 0.233 ug/l

RT: 2.79 min Scan# 268

Delta R.T. 0.01 min

Lab File: VX006891.D

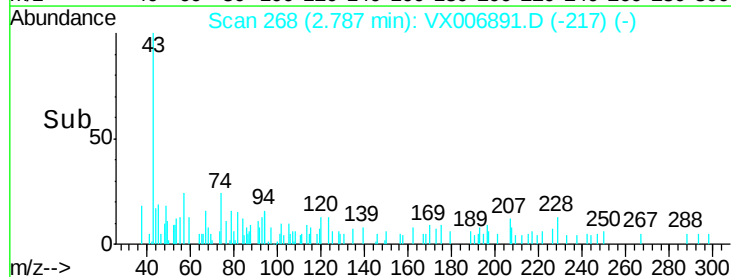
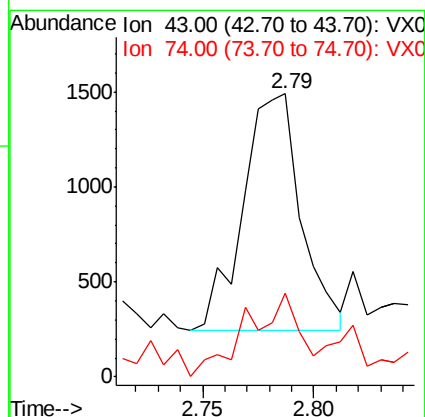
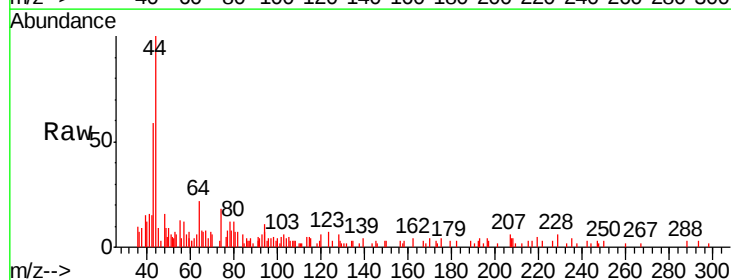
Acq: 03 Jan 2019 13:39

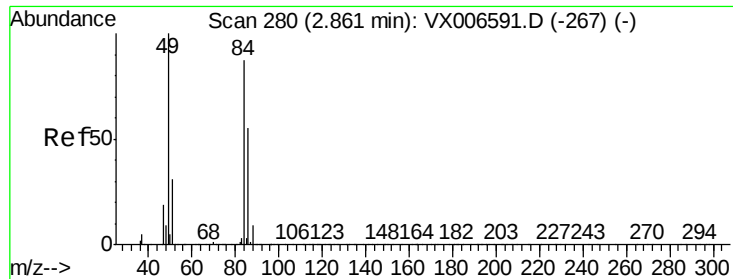
Tgt Ion: 43 Resp: 2255

Ion Ratio Lower Upper

43 100

74 32.2 18.6 28.0#

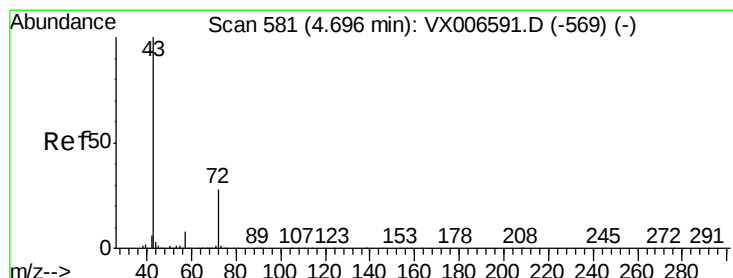
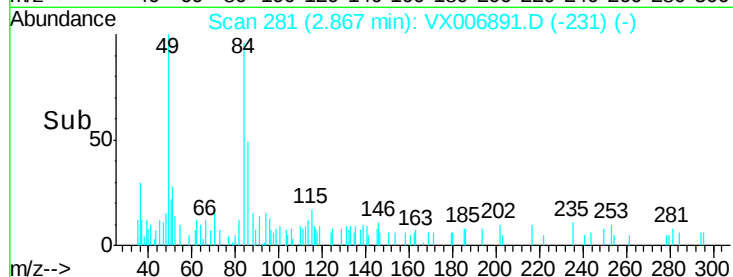
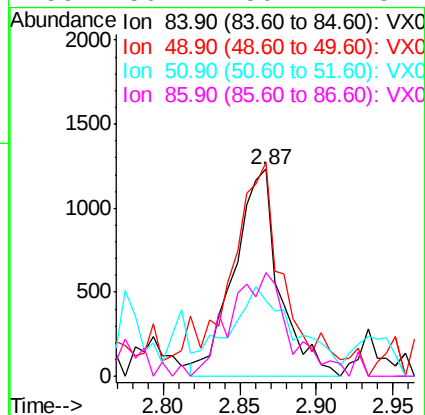
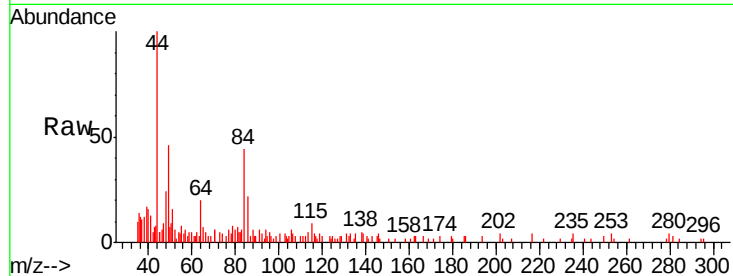




#20
Methylene Chloride
Concen: 0.373 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX006891.D
Acq: 03 Jan 2019 13:39

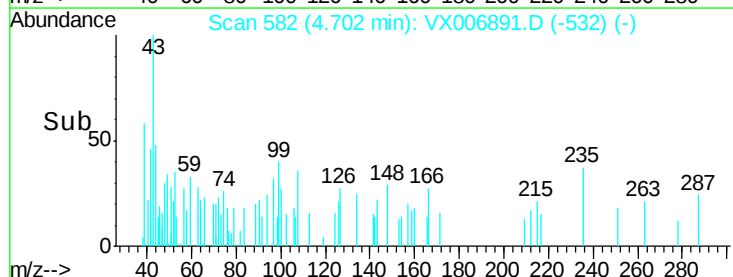
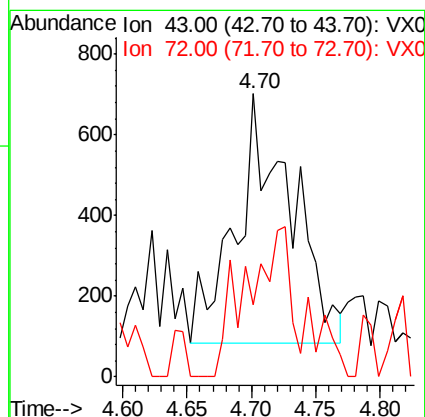
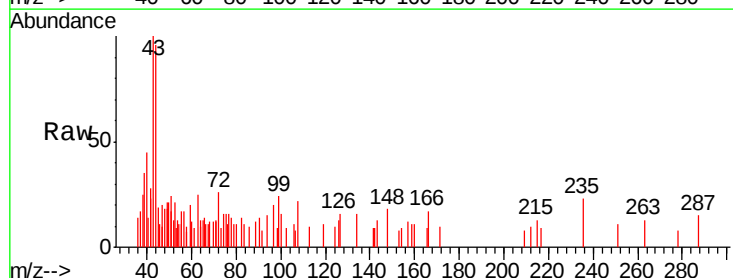
Instrument :
MSVOA_X
ClientSampleId :
B12_123118

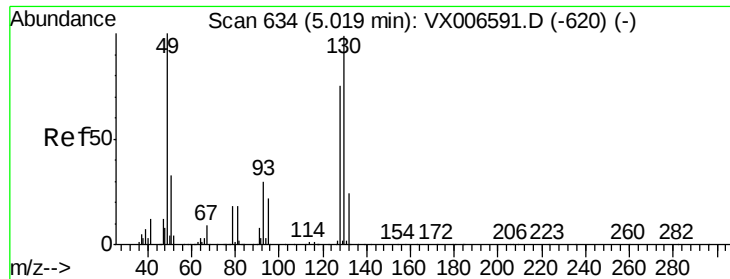
Tgt Ion:	84	Resp:	2533
Ion	Ratio	Lower	Upper
84	100		
49	95.0	91.8	137.6
51	31.1	28.5	42.7
86	50.2	50.2	75.2



#25
2-Butanone
Concen: 0.401 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX006891.D
Acq: 03 Jan 2019 13:39

Tgt Ion:	43	Resp:	1856
Ion	Ratio	Lower	Upper
43	100		
72	29.1	22.4	33.6

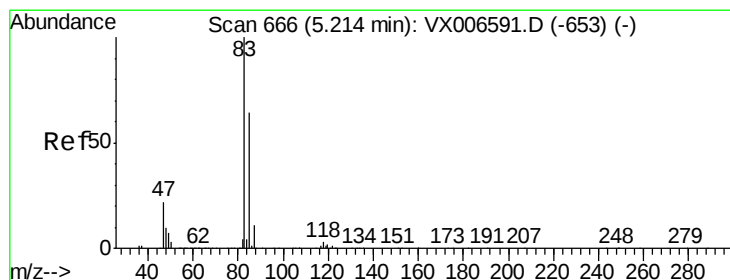
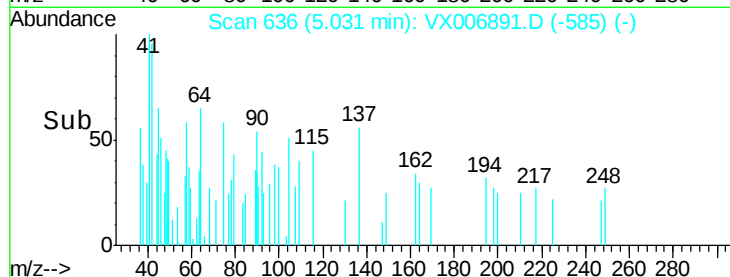
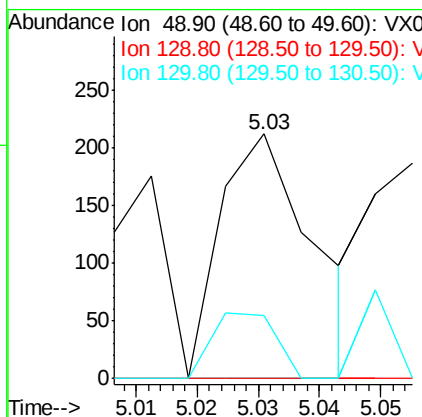
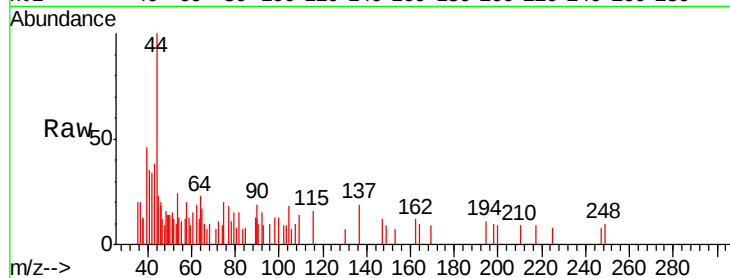




#28
Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 636
Delta R.T. 0.01 min
Lab File: VX006891.D
Acq: 03 Jan 2019 13:39

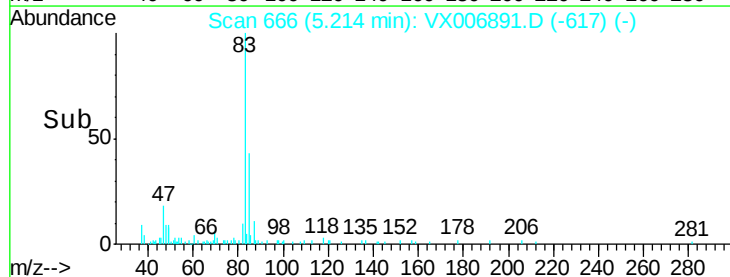
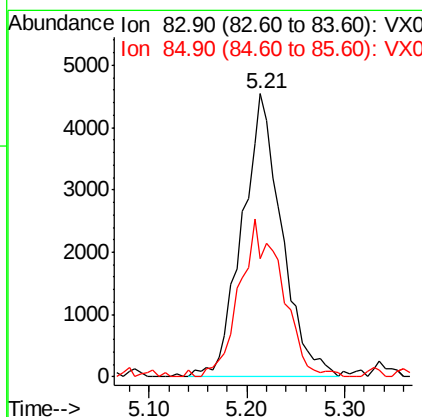
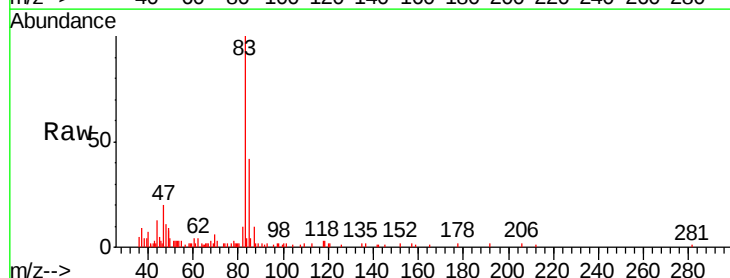
Instrument :
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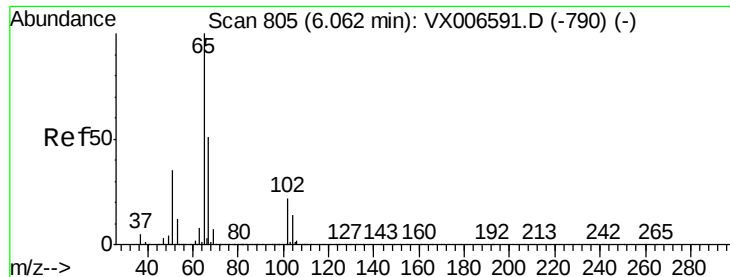
Tgt Ion: 49 Resp: 221
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.4
130 18.1 77.7 116.5#



#30
Chloroform
Concen: 1.128 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006891.D
Acq: 03 Jan 2019 13:39

Tgt Ion: 83 Resp: 12744
Ion Ratio Lower Upper
83 100
85 40.4 51.2 76.8#





#33

1,2-Dichloroethane-d4

Concen: 47.954 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006891.D

Acq: 03 Jan 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

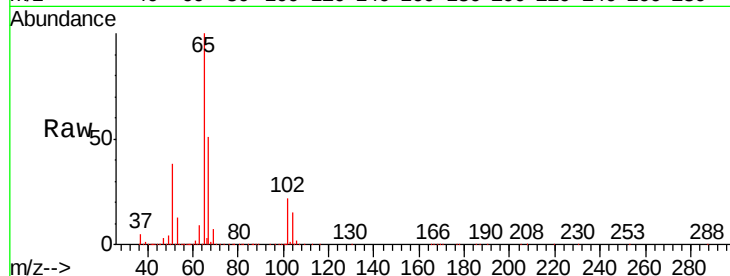
B12 123118

Tgt Ion: 65 Resp: 343219

Ion Ratio Lower Upper

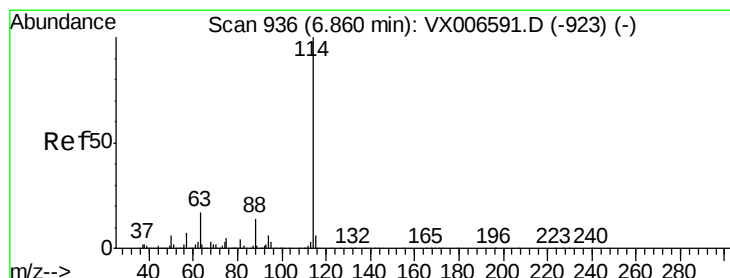
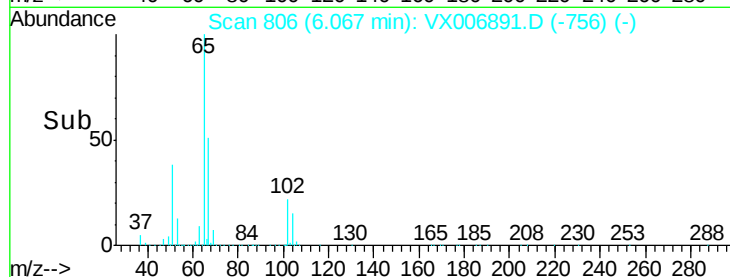
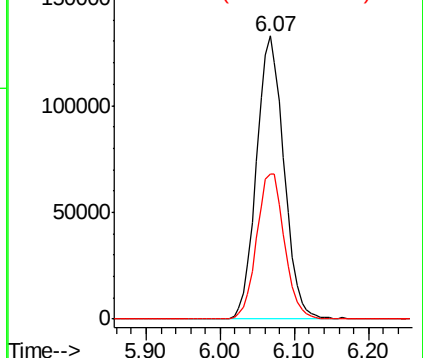
65 100

67 52.2 0.0 105.0



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: VX006891.D

Acq: 03 Jan 2019 13:39

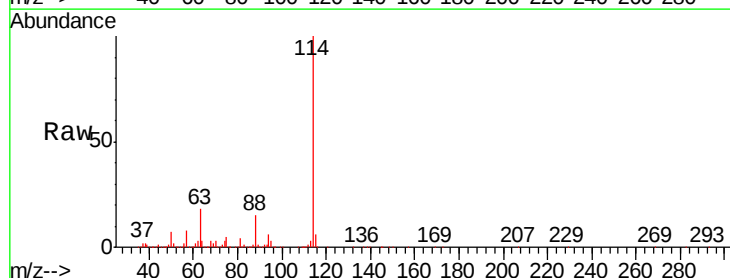
Tgt Ion: 114 Resp: 1005394

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.8

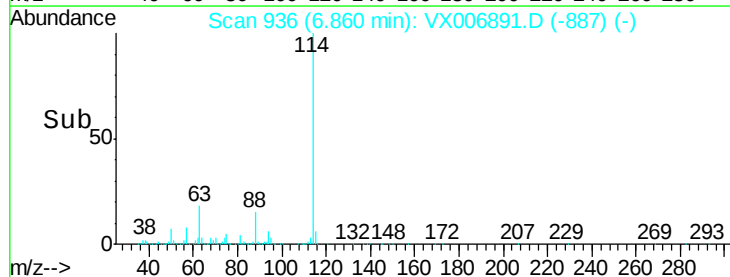
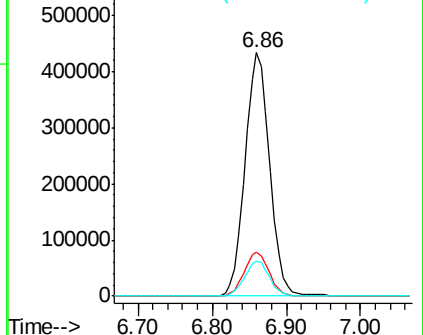
88 14.6 0.0 28.8

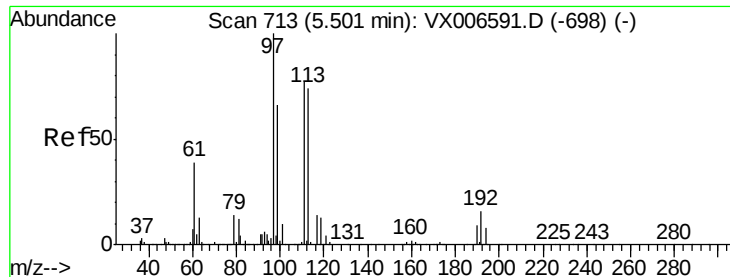


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.099 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006891.D

Acq: 03 Jan 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

B12_123118

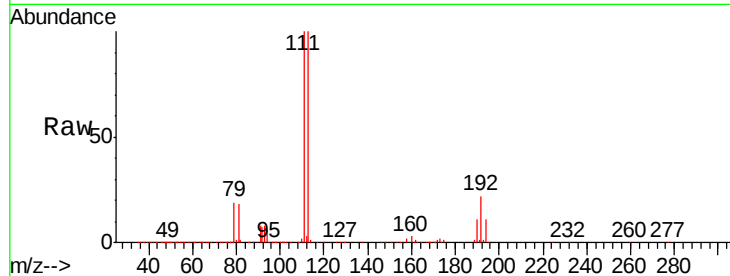
Tgt Ion:113 Resp: 305807

Ion Ratio Lower Upper

113 100

111 102.1 81.6 122.4

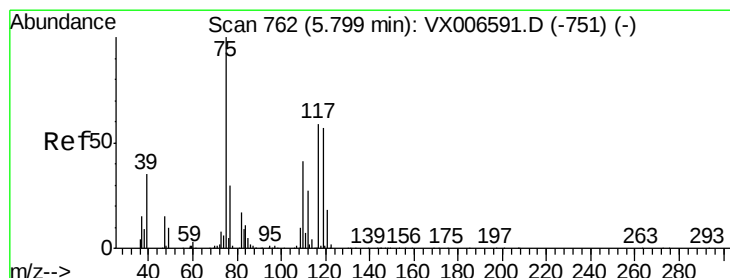
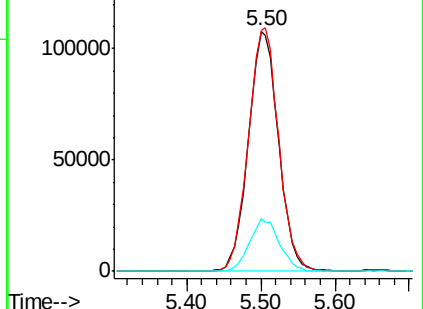
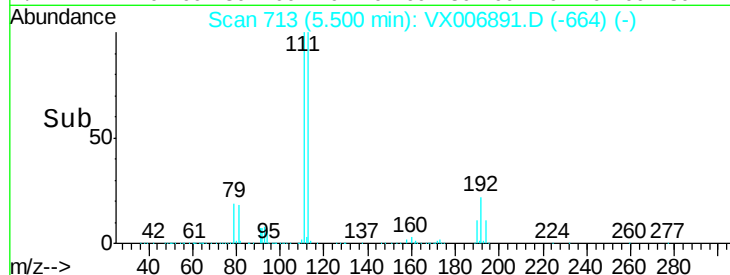
192 21.7 16.7 25.1



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: 5.102 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006891.D

Acq: 03 Jan 2019 13:39

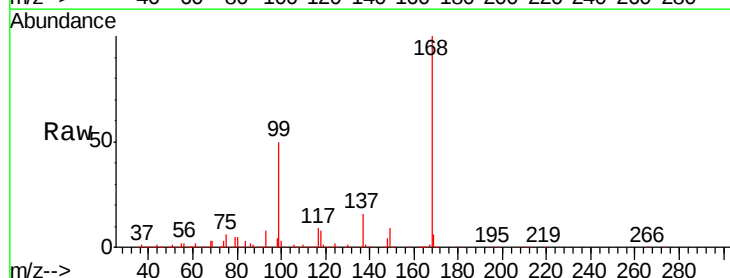
Tgt Ion: 75 Resp: 42488

Ion Ratio Lower Upper

75 100

110 11.3 20.2 60.5#

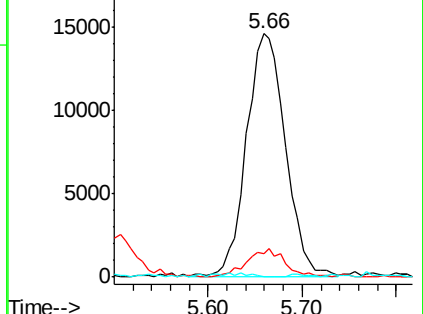
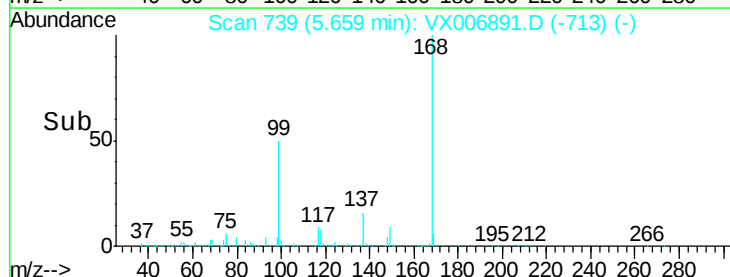
77 0.0 24.8 37.2#

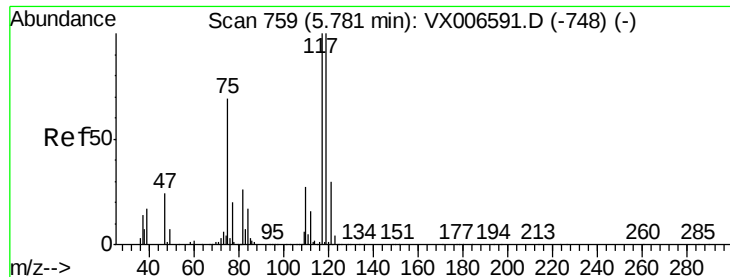


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.364 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006891.D

Acq: 03 Jan 2019 13:39

Instrument :

MSVOA_X

ClientSampled :

B12 123118

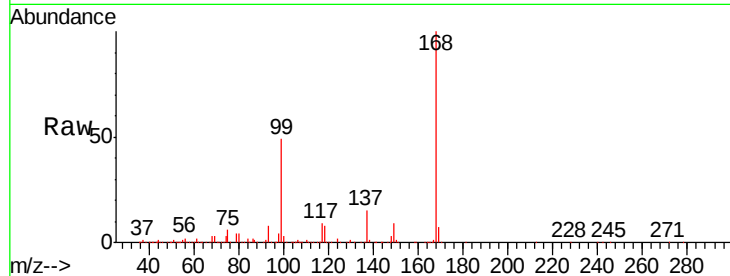
Tgt Ion:117 Resp: 59597

Ion Ratio Lower Upper

117 100

119 4.4 79.4 119.2#

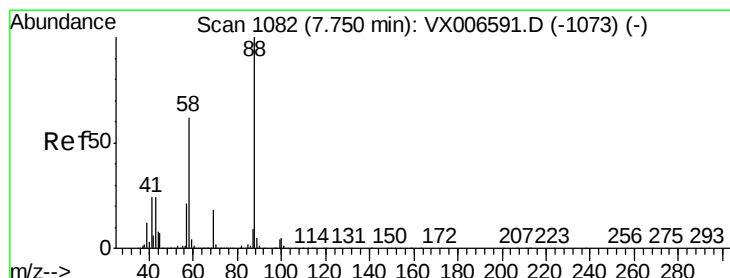
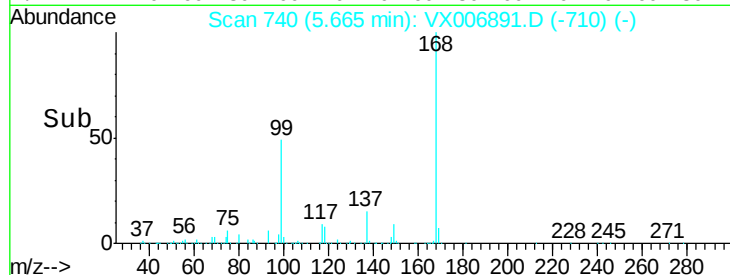
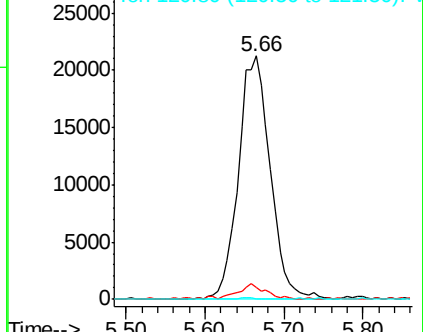
121 0.4 24.0 36.0#



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: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX006891.D

Acq: 03 Jan 2019 13:39

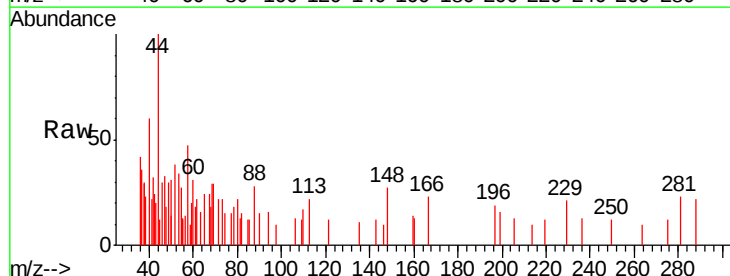
Tgt Ion: 88 Resp: 87

Ion Ratio Lower Upper

88 100

43 258.6 22.2 33.4#

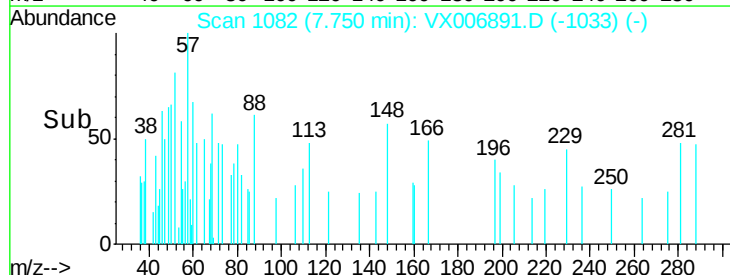
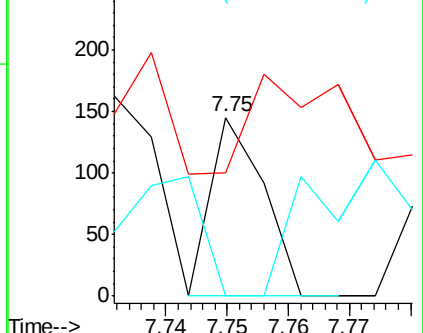
58 78.2 51.0 76.4#

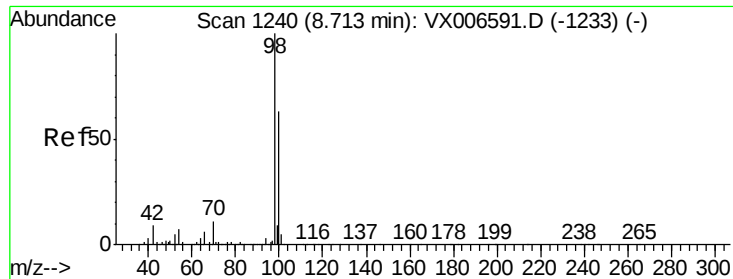


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.172 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006891.D

Acq: 03 Jan 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

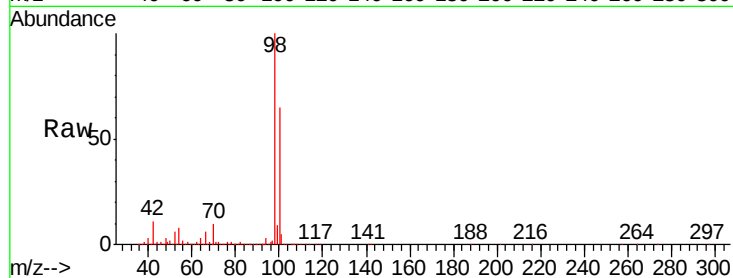
B12 123118

Tgt Ion: 98 Resp: 1178637

Ion Ratio Lower Upper

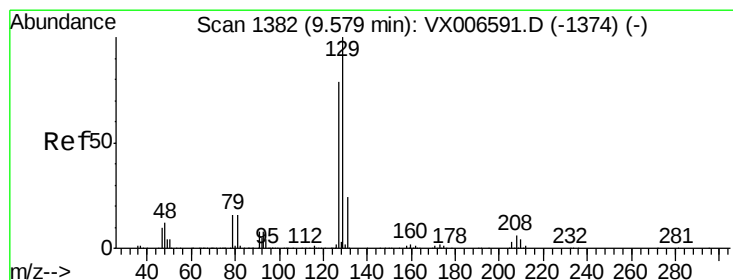
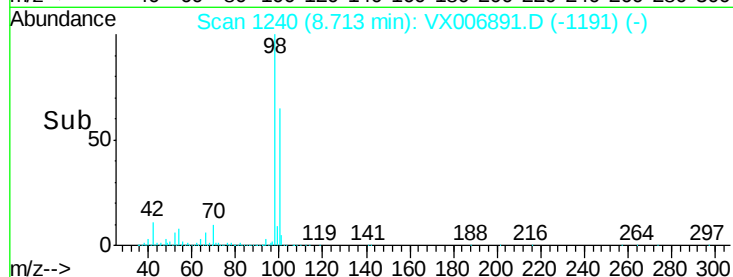
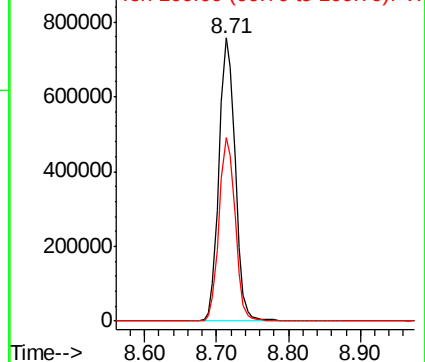
98 100

100 64.7 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#60

Dibromochloromethane

Concen: 2.338 ug/l

RT: 9.70 min Scan# 1402

Delta R.T. 0.12 min

Lab File: VX006891.D

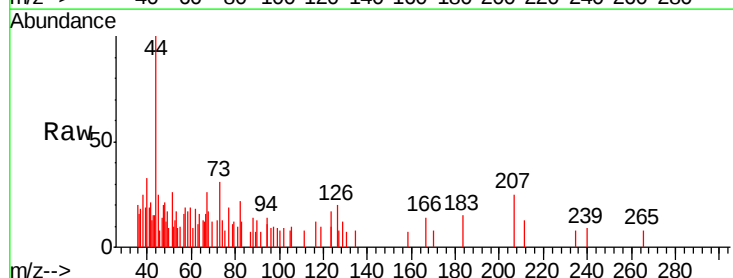
Acq: 03 Jan 2019 13:39

Tgt Ion: 129 Resp: 100

Ion Ratio Lower Upper

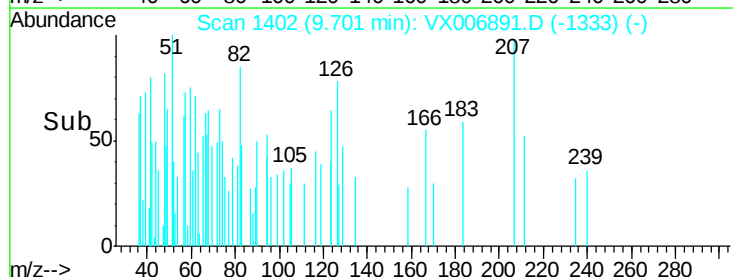
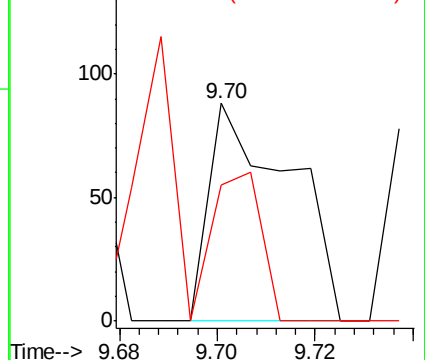
129 100

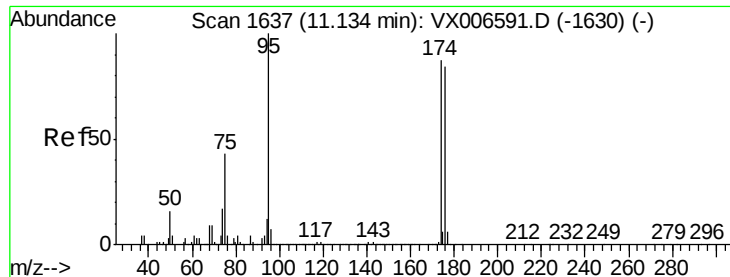
127 104.0 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 48.025 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006891.D

Acq: 03 Jan 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

B12_123118

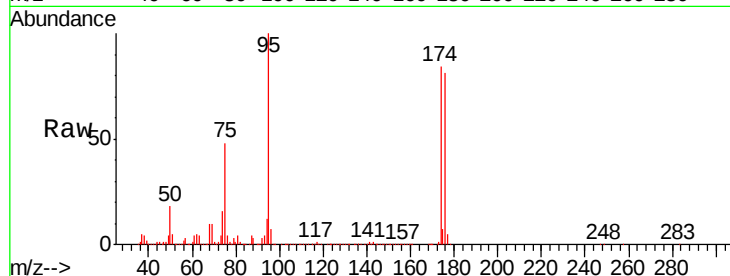
Tgt Ion: 95 Resp: 421596

Ion Ratio Lower Upper

95 100

174 91.6 0.0 182.2

176 88.6 0.0 178.8

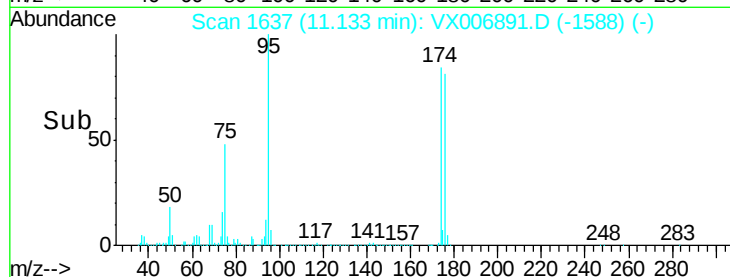


Abundance Ion 94.90 (94.60 to 95.60): VX006891.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX006891.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX006891.D (-1588) (-)

Time-->

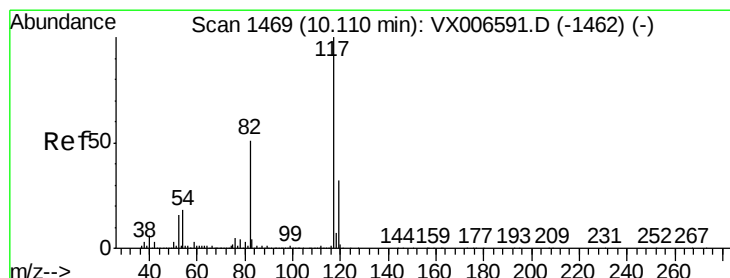


Abundance Ion 94.90 (94.60 to 95.60): VX006891.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX006891.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX006891.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX006891.D

Acq: 03 Jan 2019 13:39

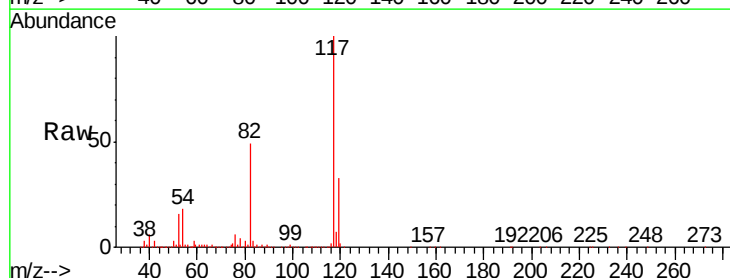
Tgt Ion: 117 Resp: 915335

Ion Ratio Lower Upper

117 100

82 49.4 41.0 61.6

119 32.5 25.4 38.0

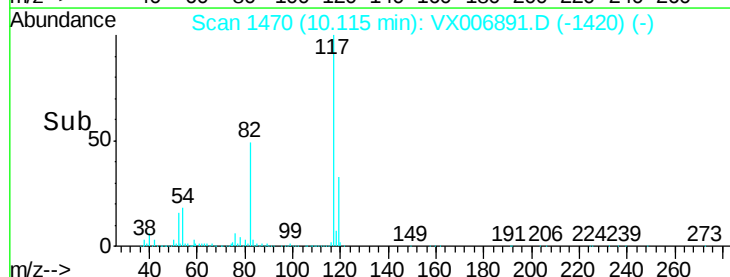


Abundance Ion 116.90 (116.60 to 117.60): VX006891.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX006891.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX006891.D (-1420) (-)

Time-->

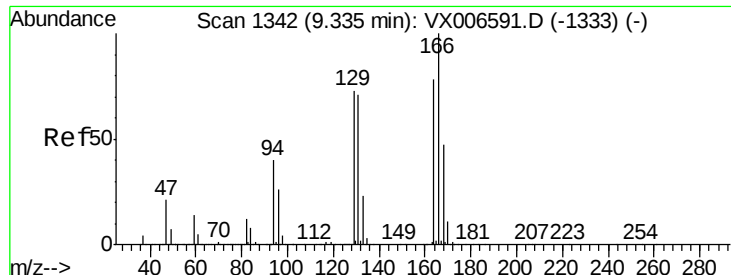


Abundance Ion 116.90 (116.60 to 117.60): VX006891.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX006891.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX006891.D (-1420) (-)

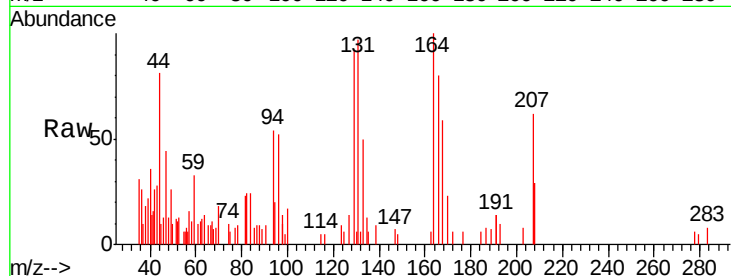
Time-->



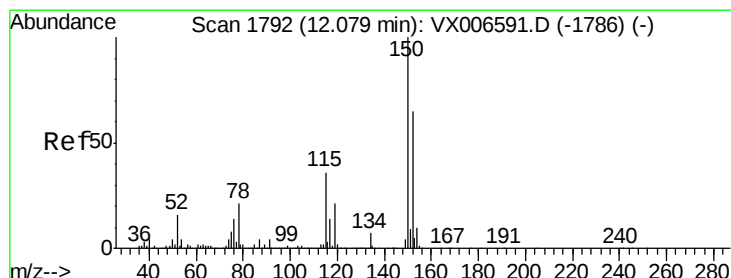
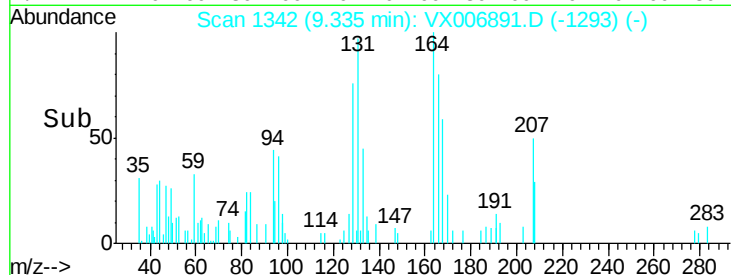
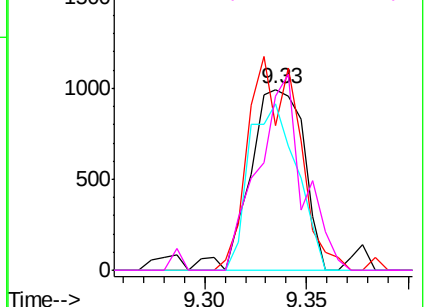
#64
Tetrachloroethene
Concen: 0.252 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006891.D
Acq: 03 Jan 2019 13:39

Instrument :
MSVOA_X
ClientSampleId :
B12_123118

Tgt Ion:164 Resp: 1823
Ion Ratio Lower Upper
164 100
166 79.9 102.5 153.7#
129 92.4 75.1 112.7
131 96.6 72.7 109.1

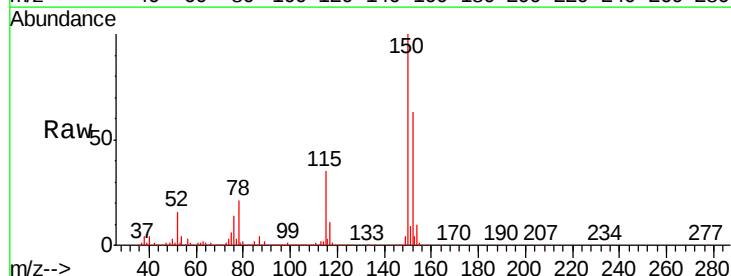


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

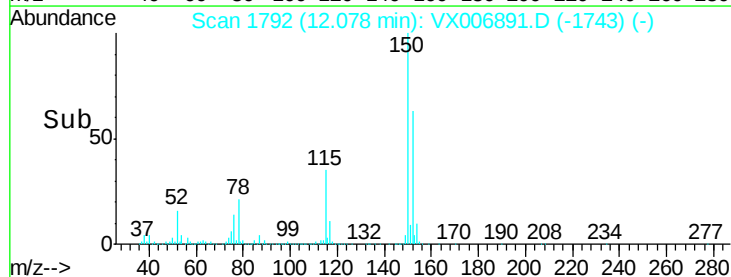
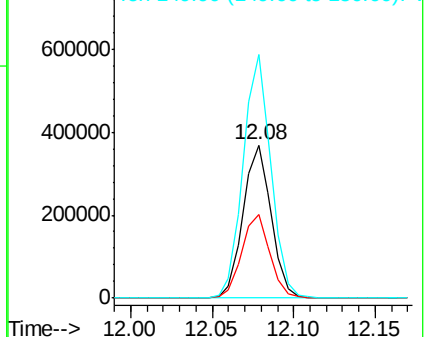


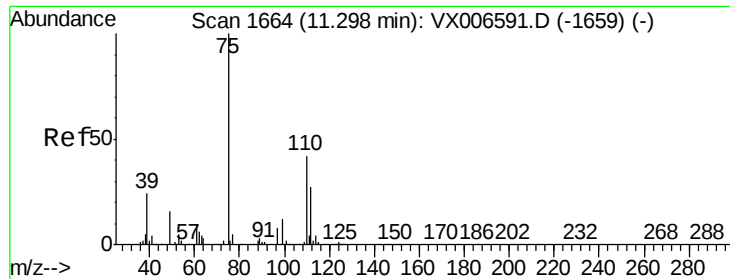
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006891.D
Acq: 03 Jan 2019 13:39

Tgt Ion:152 Resp: 441569
Ion Ratio Lower Upper
152 100
115 55.0 39.1 117.2
150 158.4 0.0 344.8



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: 24.013 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.17 min

Lab File: VX006891.D

Acq: 03 Jan 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

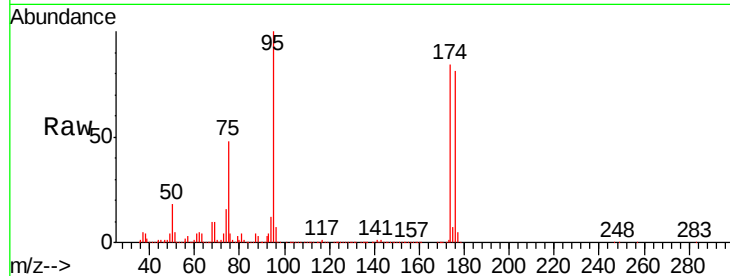
B12_123118

Tgt Ion: 75 Resp: 197054

Ion Ratio Lower Upper

75 100

77 1.5 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

150000

100000

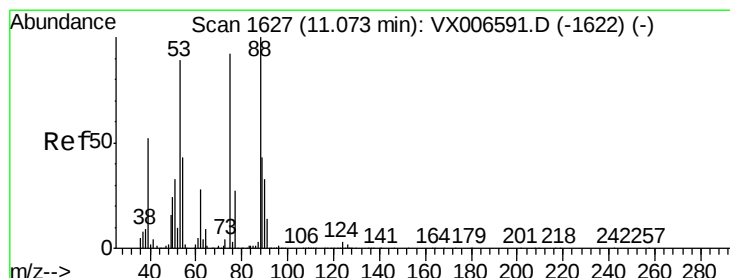
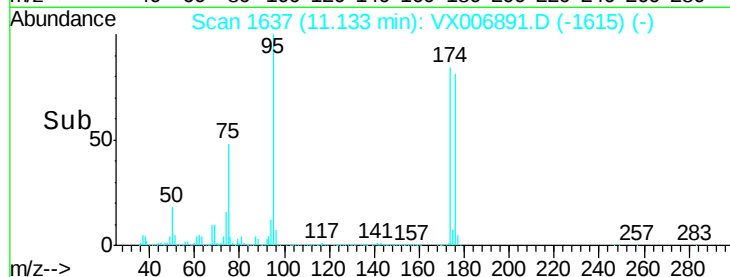
50000

0

Time-->

11.10

11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 71.124 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006891.D

Acq: 03 Jan 2019 13:39

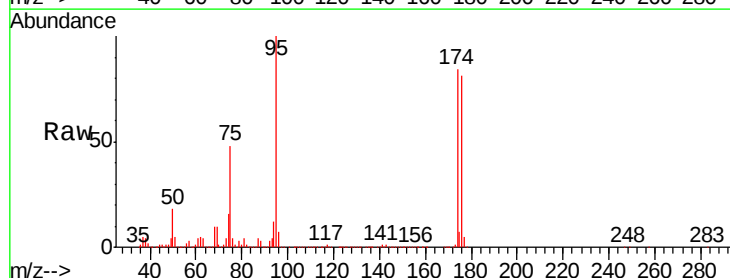
Tgt Ion: 75 Resp: 197054

Ion Ratio Lower Upper

75 100

53 0.0 79.7 119.5#

89 0.2 38.0 57.0#



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

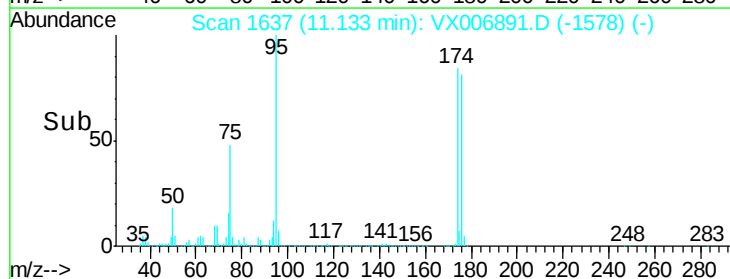
50000

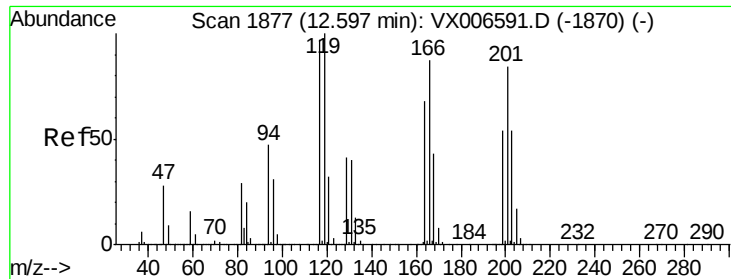
0

Time-->

11.10

11.20





#90

Hexachloroethane

Concen: 3.303 ug/l

RT: 12.60 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VX006891.D

Acq: 03 Jan 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

B12_123118

Tgt Ion:117 Resp: 46

Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#

