

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006597.D
 Acq On : 18 Dec 2018 14:58
 Operator : JC/MD
 Sample : J6424-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01_121318

Quant Time: Dec 19 05:59:30 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	732521	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1121907	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1039743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	496938	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	378421	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
35) Dibromofluoromethane	5.50	113	335792	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
50) Toluene-d8	8.71	98	1321176	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	11.13	95	486452	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	

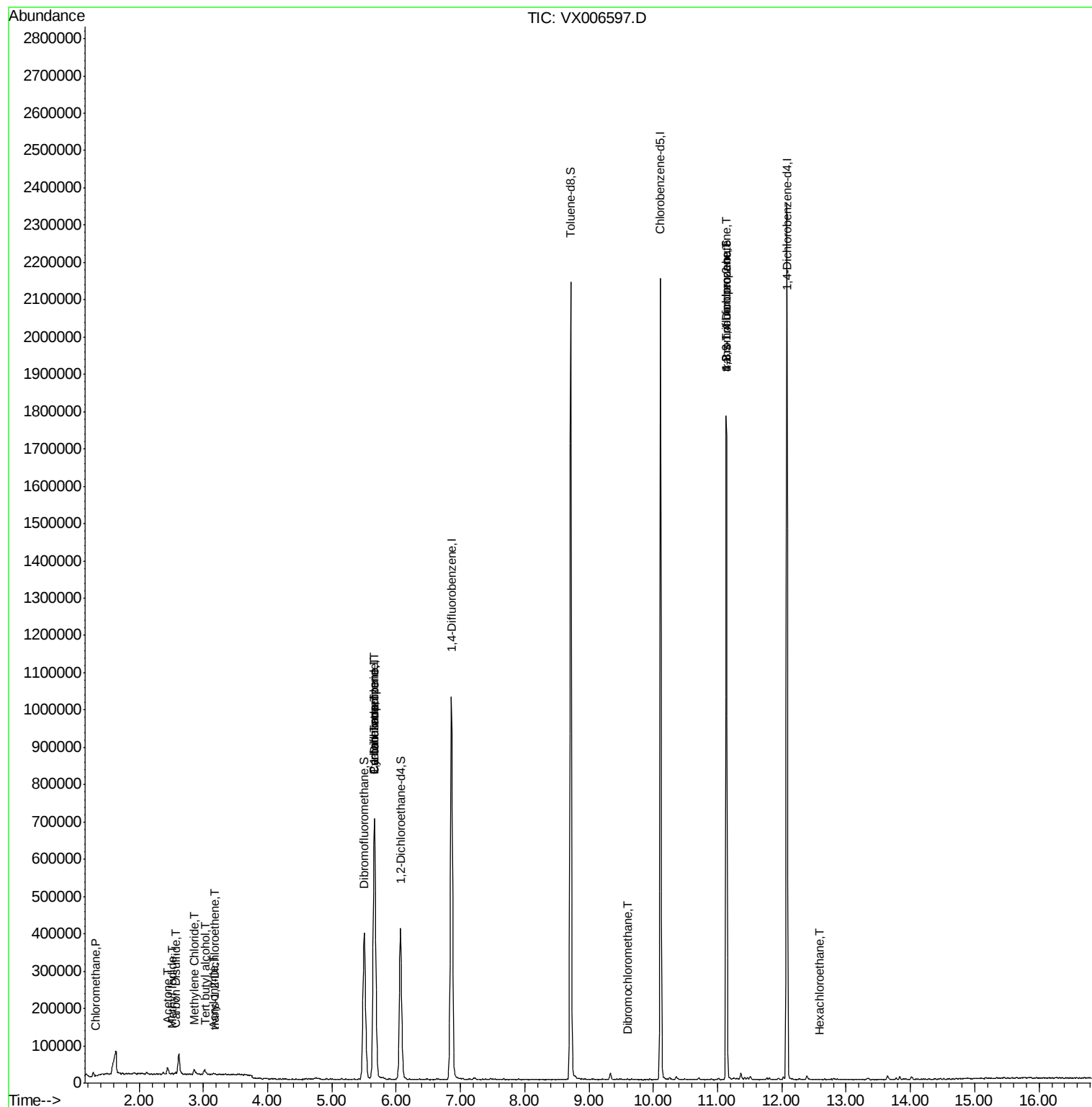
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1750	0.242	ug/l #	78
5) Bromomethane	1.64	94	3268	Below Cal		91
10) Methyl Iodide	2.51	142	3214	0.325	ug/l #	89
11) Tert butyl alcohol	3.02	59	7736	4.391	ug/l #	79
15) Acrylonitrile	3.16	53	1795	0.459	ug/l #	86
16) Acetone	2.45	43	19664	5.421	ug/l	94
17) Carbon Disulfide	2.57	76	6061	0.350	ug/l #	90
20) Methylene Chloride	2.85	84	5352	0.714	ug/l	92
21) trans-1,2-Dichloroethene	3.18	96	1601	0.221	ug/l #	24
28) Bromochloromethane	5.02	49	412	Below Cal	#	3
31) Cyclohexane	5.66	56	11789	1.079	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	46407	4.994	ug/l #	49
38) Carbon Tetrachloride	5.67	117	69124	7.655	ug/l #	16
49) 1,4-Dioxane	7.77	88	218	Below Cal	#	1
60) Dibromochloromethane	9.61	129	30	2.328	ug/l	92
76) 1,2,3-Trichloropropane	11.13	75	222217	25.514	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	222217	71.261	ug/l #	15
90) Hexachloroethane	12.59	117	204	3.334	ug/l	73

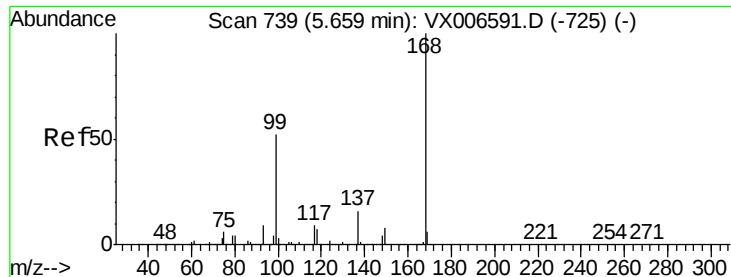
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX006597.D

Acq: 18 Dec 2018 14:58

Instrument :

MSVOA_X

ClientSampleId :

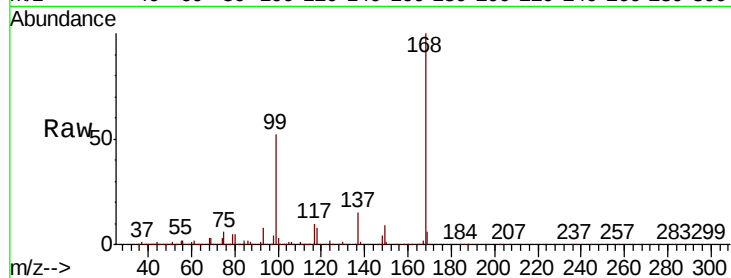
TB01_121318

Tot Ion:168 Resp: 732521

Ion Ratio Lower Upper

168 100

99 51.6 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

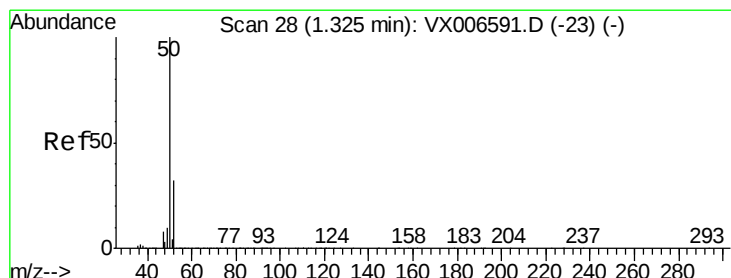
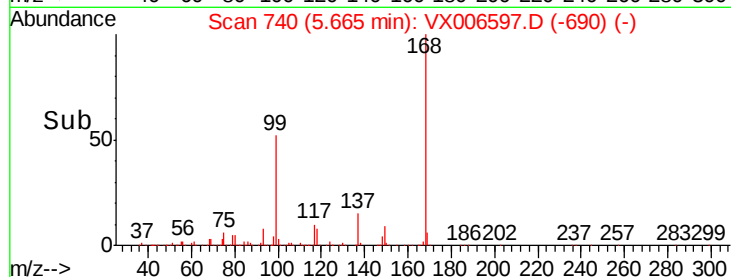
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.242 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006597.D

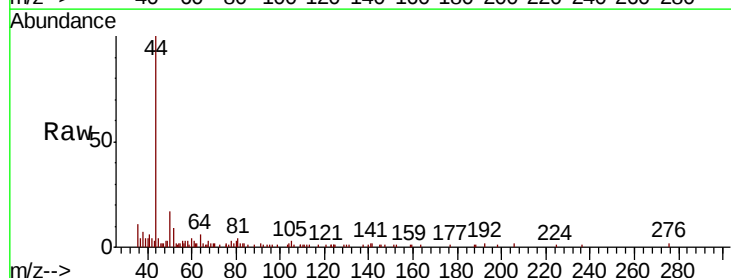
Acq: 18 Dec 2018 14:58

Tgt Ion: 50 Resp: 1750

Ion Ratio Lower Upper

50 100

52 43.5 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

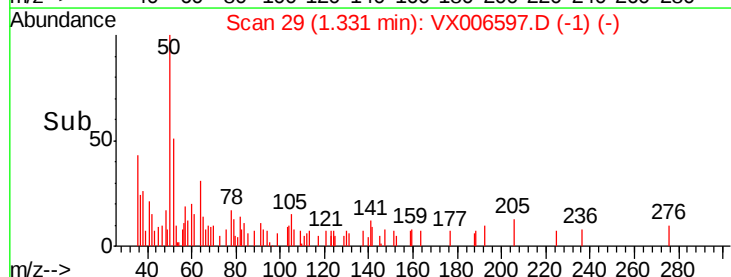
1.33

1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006597.D

Acq: 18 Dec 2018 14:58

Instrument :

MSVOA_X

ClientSampleId :

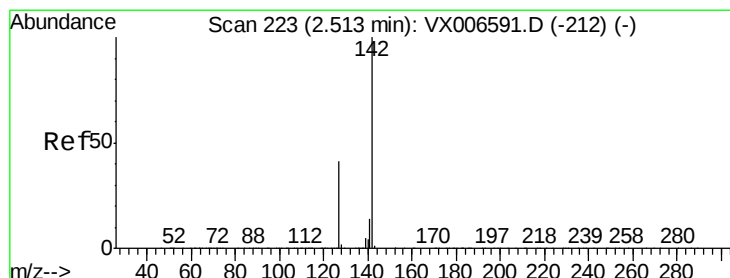
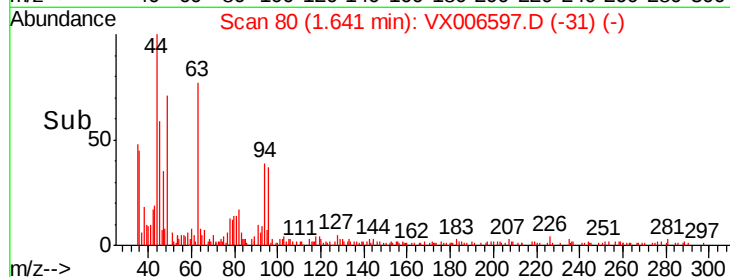
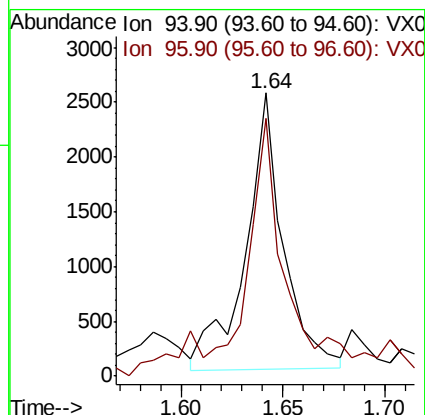
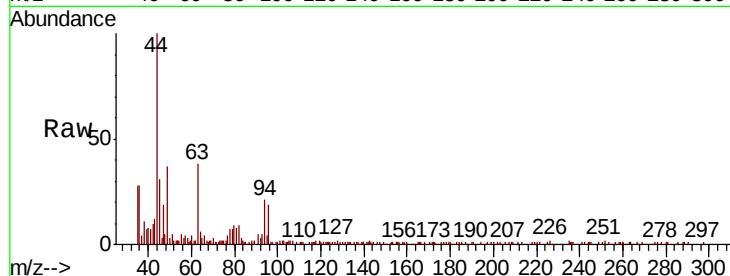
TB01_121318

Tot Ion: 94 Resp: 3268

Ion Ratio Lower Upper

94 100

96 84.7 74.5 111.7



#10

Methyl Iodide

Concen: 0.325 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX006597.D

Acq: 18 Dec 2018 14:58

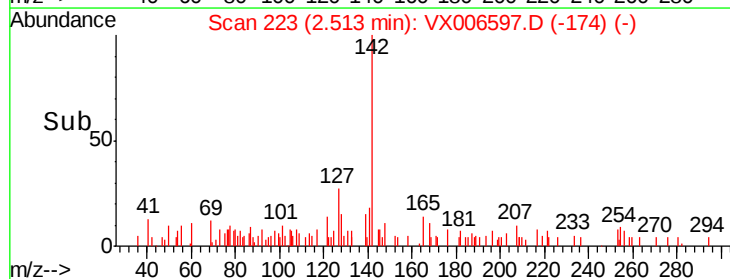
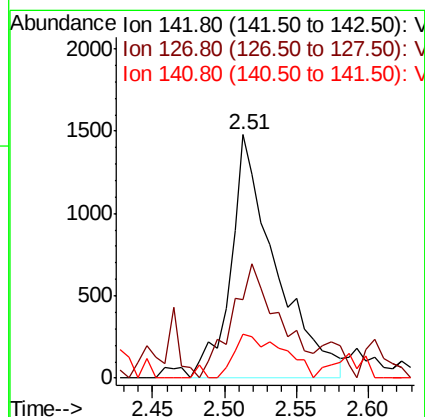
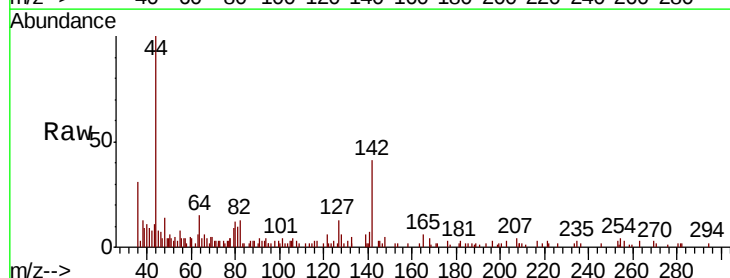
Tgt Ion: 142 Resp: 3214

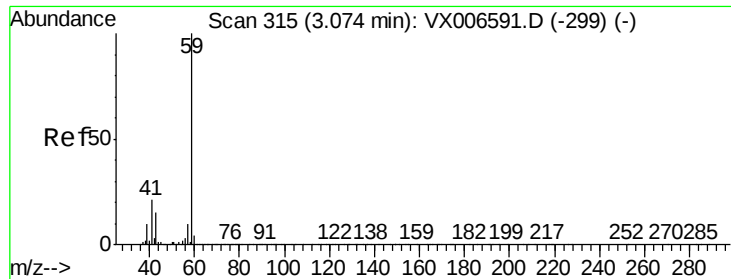
Ion Ratio Lower Upper

142 100

127 50.1 34.8 52.2

141 19.7 11.4 17.2#

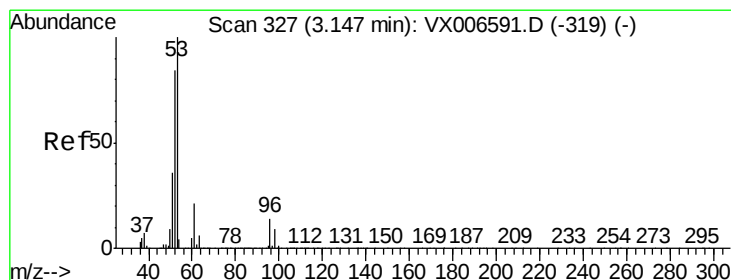
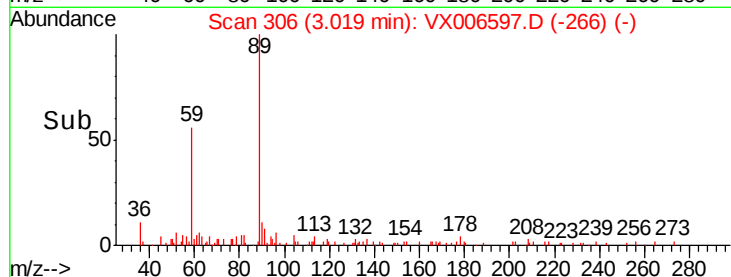
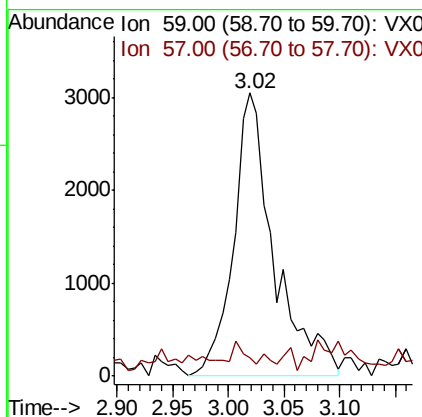
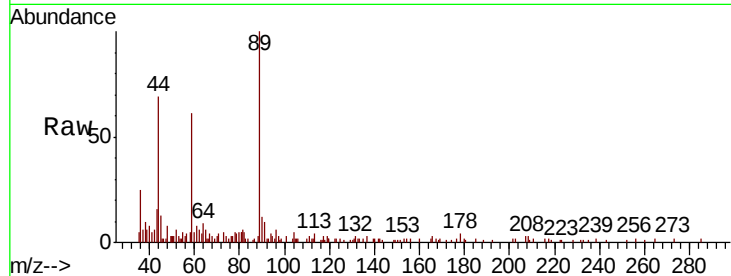




#11
Tert butyl alcohol
Concen: 4.391 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX006597.D
Acq: 18 Dec 2018 14:58

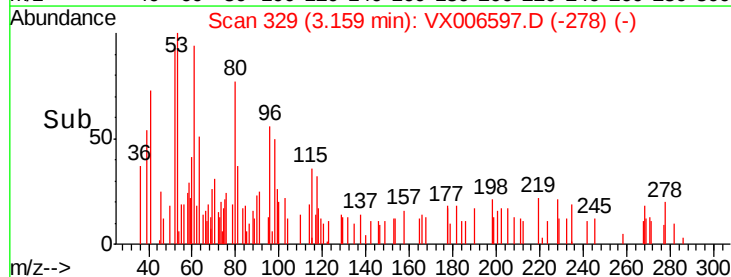
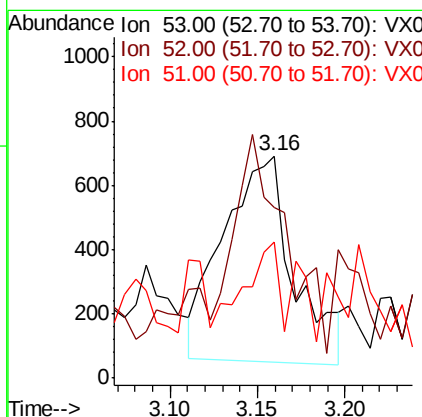
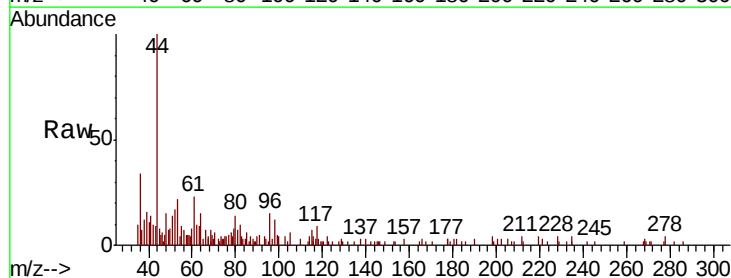
Instrument :
MSVOA_X
ClientSampleId :
TB01_121318

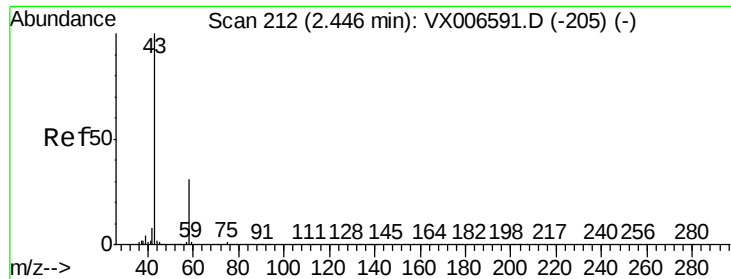
Tot Ion: 59 Resp: 7736
Ion Ratio Lower Upper
59 100
57 2.4 8.2 12.2#



#15
Acrylonitrile
Concen: 0.459 ug/l
RT: 3.16 min Scan# 329
Delta R.T. 0.01 min
Lab File: VX006597.D
Acq: 18 Dec 2018 14:58

Tgt Ion: 53 Resp: 1795
Ion Ratio Lower Upper
53 100
52 77.5 66.2 99.4
51 16.9 28.7 43.1#





#16

Acetone

Concen: 5.421 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006597.D

Acq: 18 Dec 2018 14:58

Instrument :

MSVOA_X

ClientSampleId :

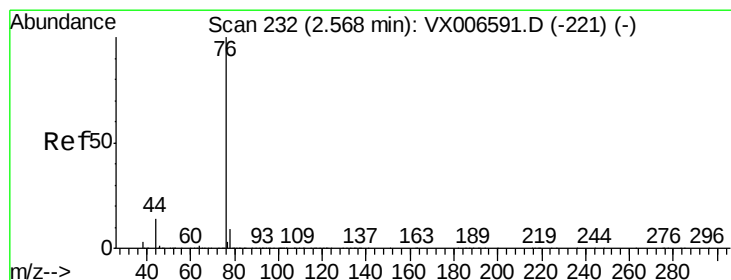
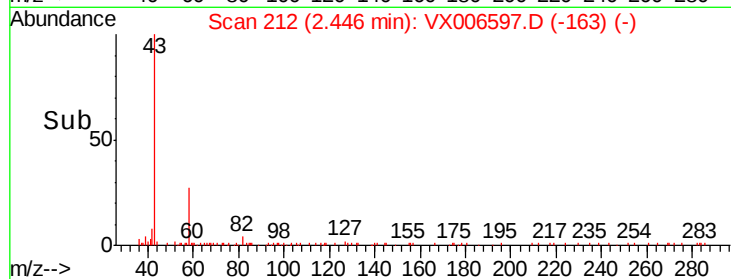
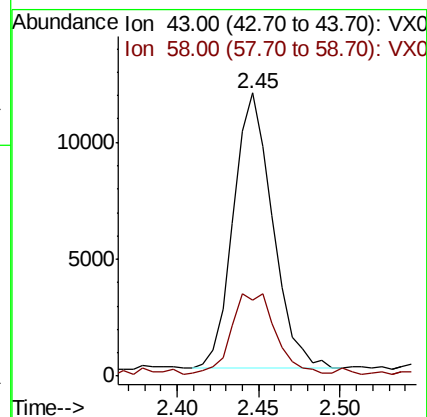
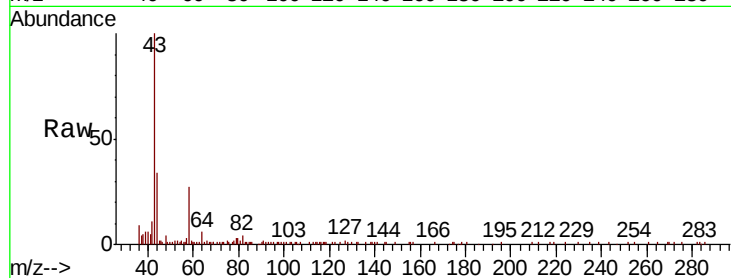
TB01_121318

Tot Ion: 43 Resp: 19664

Ion Ratio Lower Upper

43 100

58 26.5 24.0 36.0



#17

Carbon Disulfide

Concen: 0.350 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006597.D

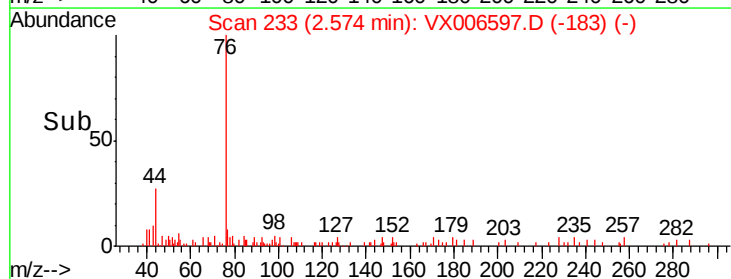
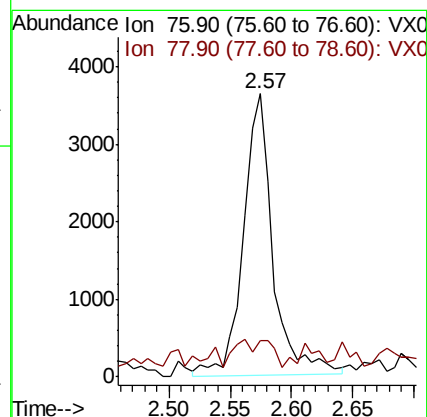
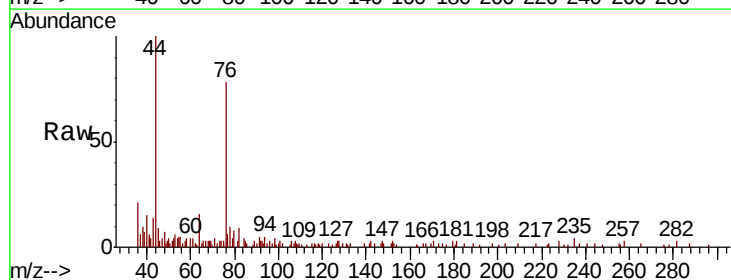
Acq: 18 Dec 2018 14:58

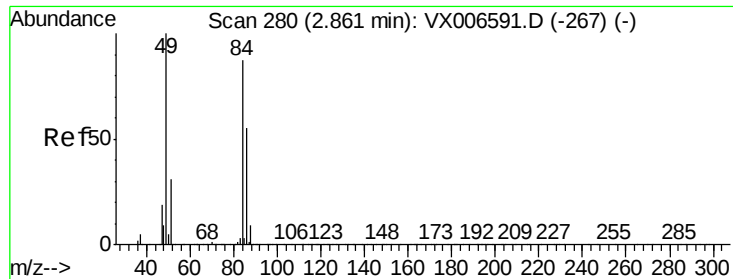
Tgt Ion: 76 Resp: 6061

Ion Ratio Lower Upper

76 100

78 5.5 7.1 10.7#

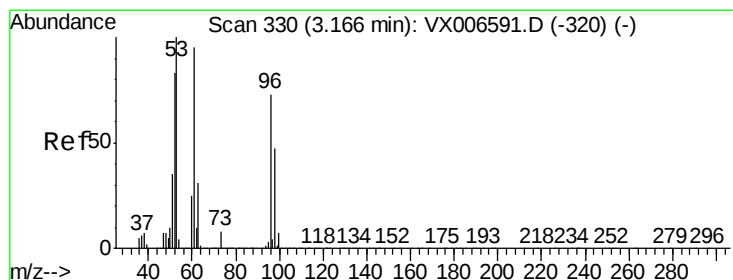
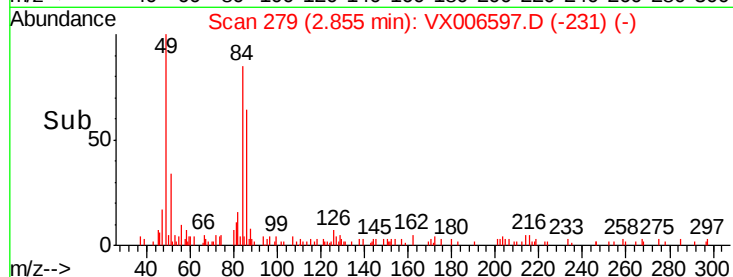
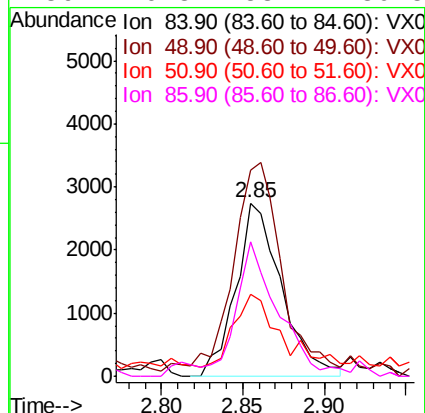
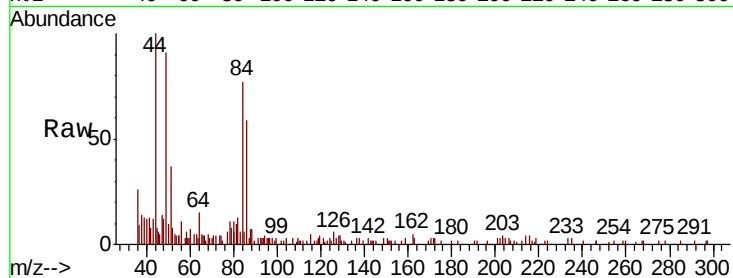




#20
Methvlene Chloride
Concen: 0.714 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006597.D
Acq: 18 Dec 2018 14:58

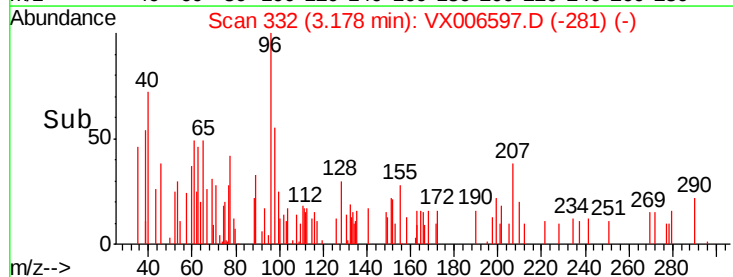
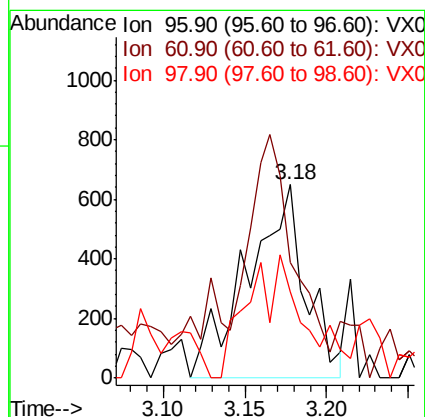
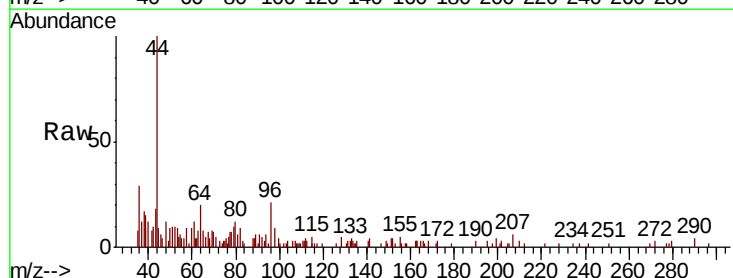
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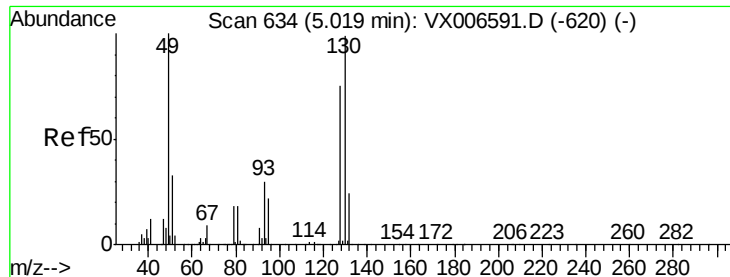
Tot Ion:	84	Resp:	5352
Ion	Ratio	Lower	Upper
84	100		
49	119.9	102.2	153.4
51	42.8	31.1	46.7
86	76.8	53.7	80.5



#21
trans-1,2-Dichloroethene
Concen: 0.221 ug/l
RT: 3.18 min Scan# 332
Delta R.T. 0.01 min
Lab File: VX006597.D
Acq: 18 Dec 2018 14:58

Tgt Ion:	96	Resp:	1601
Ion	Ratio	Lower	Upper
96	100		
61	30.6	113.3	169.9#
98	30.1	53.2	79.8#

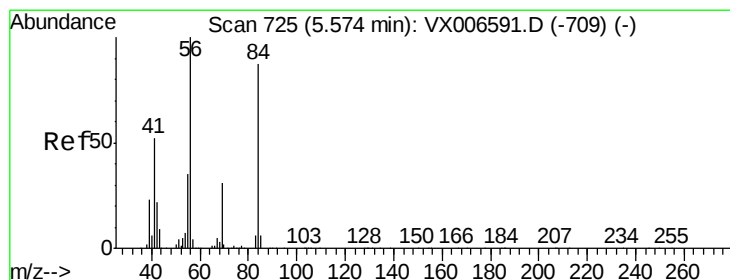
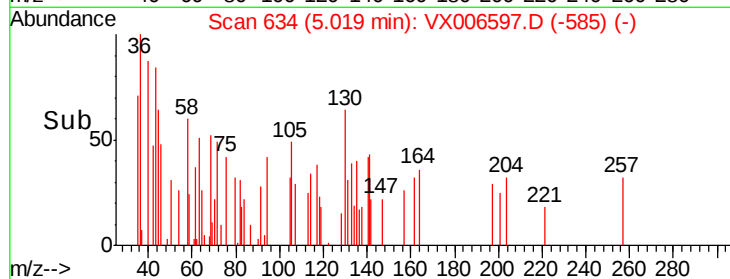
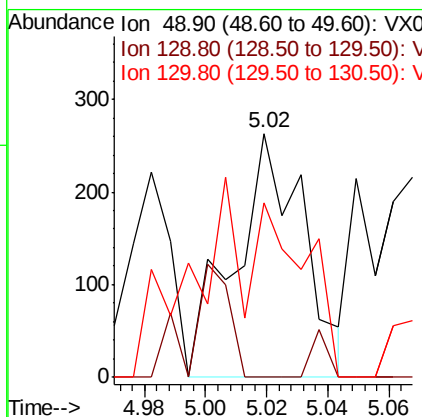
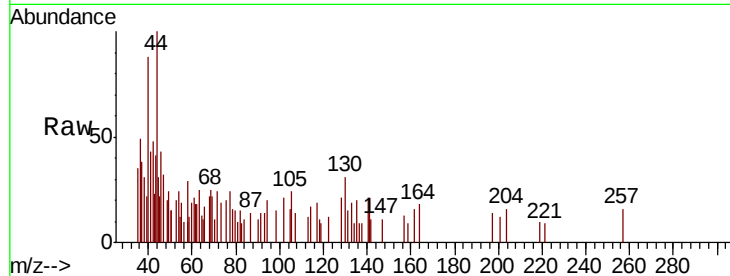




#28
Bromochloromethane
Concen: Below Cal
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006597.D
Acq: 18 Dec 2018 14:58

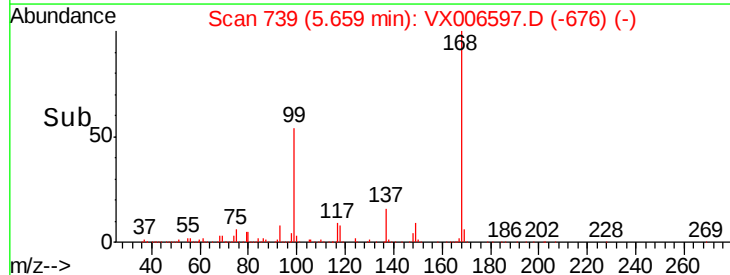
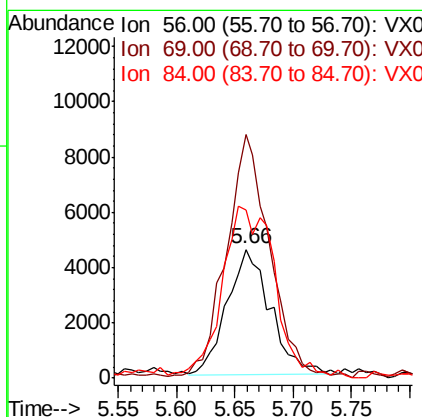
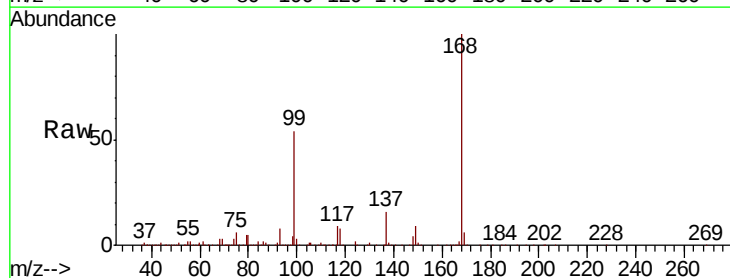
Instrument :
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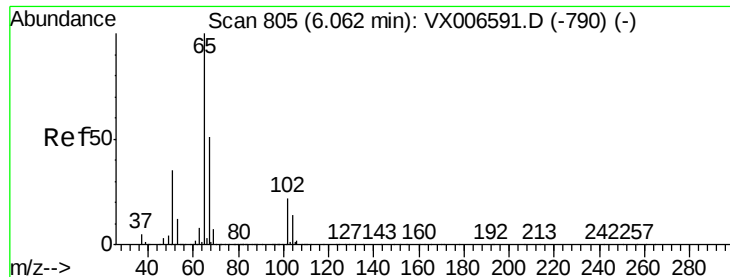
Tot Ion: 49 Resp: 412
Ion Ratio Lower Upper
49 100
129 4.6 0.0 5.0
130 0.0 78.3 117.5#



#31
Cyclohexane
Concen: 1.079 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX006597.D
Acq: 18 Dec 2018 14:58

Tgt Ion: 56 Resp: 11789
Ion Ratio Lower Upper
56 100
69 192.0 24.5 36.7#
84 129.1 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 47.933 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006597.D

Acq: 18 Dec 2018 14:58

Instrument :

MSVOA_X

ClientSampleId :

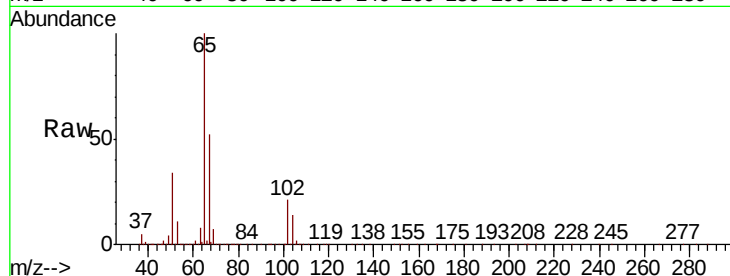
TB01_121318

Tot Ion: 65 Resp: 378421

Ion Ratio Lower Upper

65 100

67 53.2 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

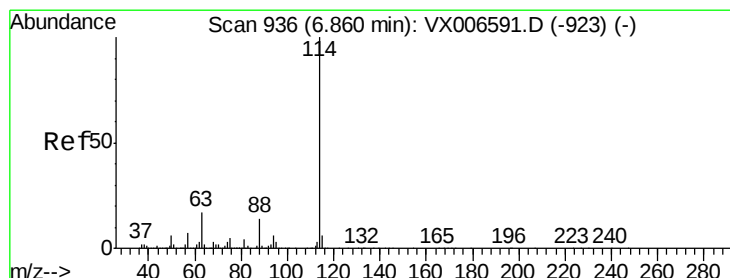
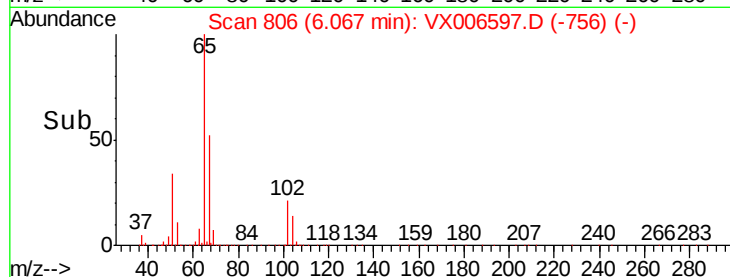
150000

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: VX006597.D

Acq: 18 Dec 2018 14:58

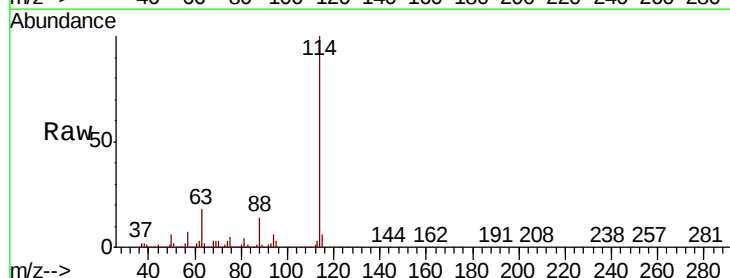
Tgt Ion: 114 Resp: 1121907

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.6

88 14.4 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

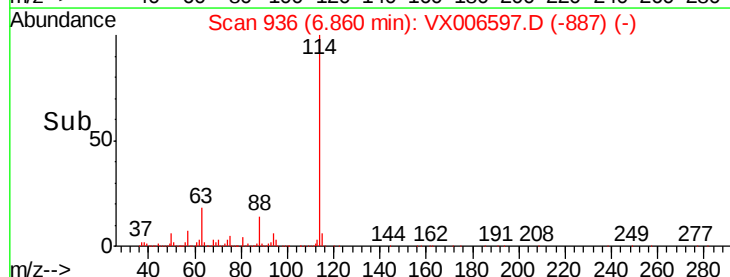
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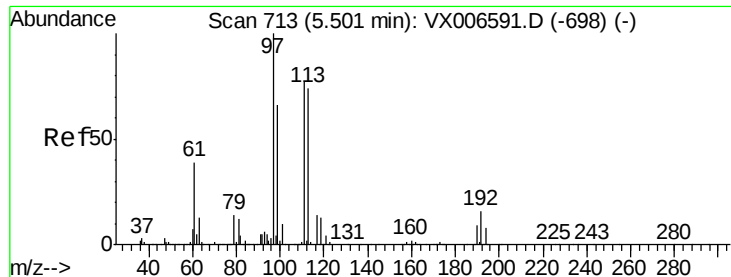
200000

100000

0

Time--> 6.70 6.80 6.90 7.00 7.10





#35

Dibromofluoromethane

Concen: 47.330 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006597.D

Acq: 18 Dec 2018 14:58

Instrument :

MSVOA_X

ClientSampleId :

TB01_121318

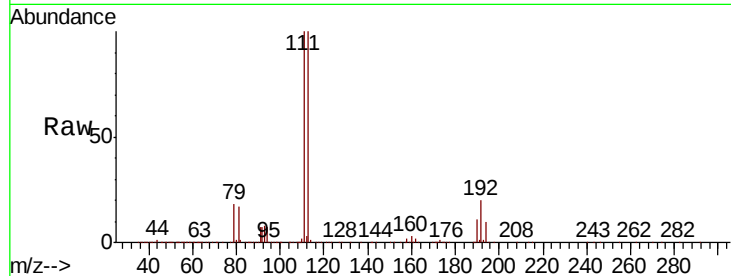
Tot Ion:113 Resp: 335792

Ion Ratio Lower Upper

113 100

111 102.3 81.1 121.7

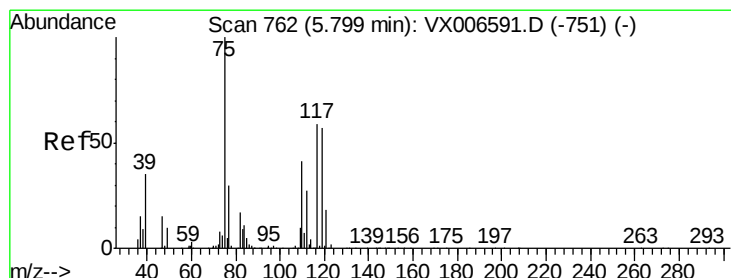
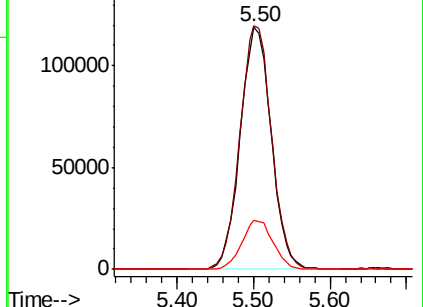
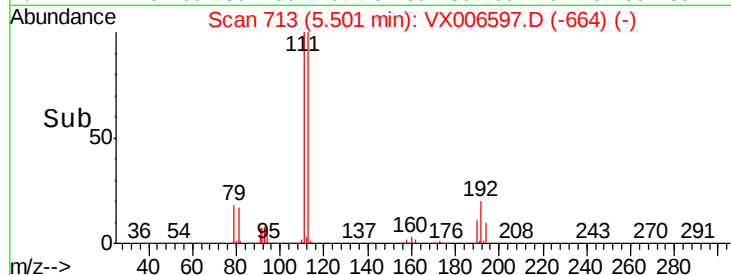
192 20.5 18.2 27.2



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: 4.994 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006597.D

Acq: 18 Dec 2018 14:58

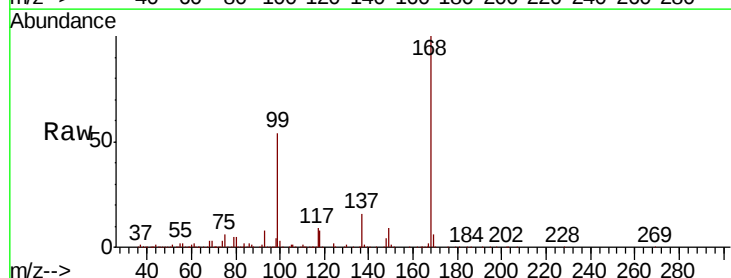
Tgt Ion: 75 Resp: 46407

Ion Ratio Lower Upper

75 100

110 10.7 20.4 61.3#

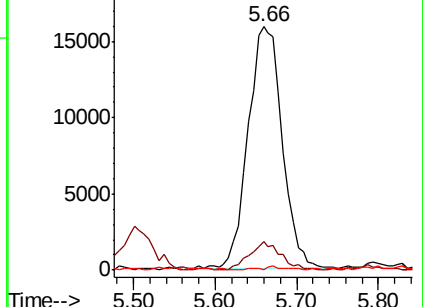
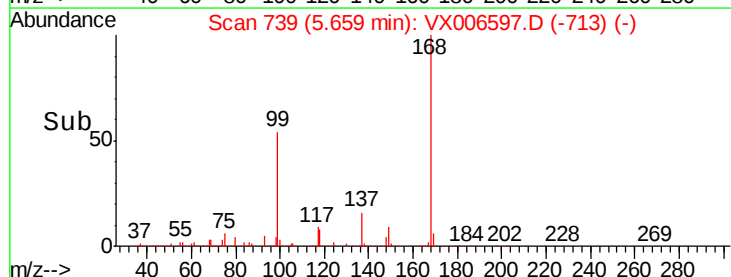
77 0.6 24.9 37.3#

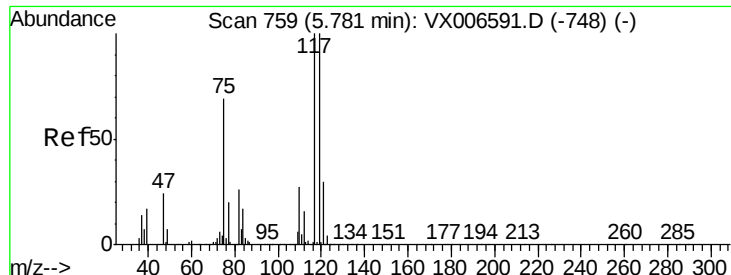


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.655 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006597.D

Acq: 18 Dec 2018 14:58

Instrument :

MSVOA_X

ClientSampleId :

TB01_121318

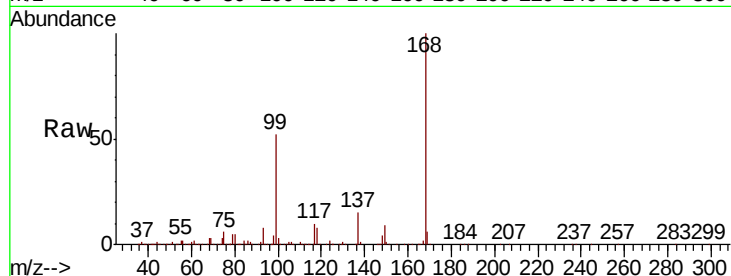
Tot Ion:117 Resp: 69124

Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.8#

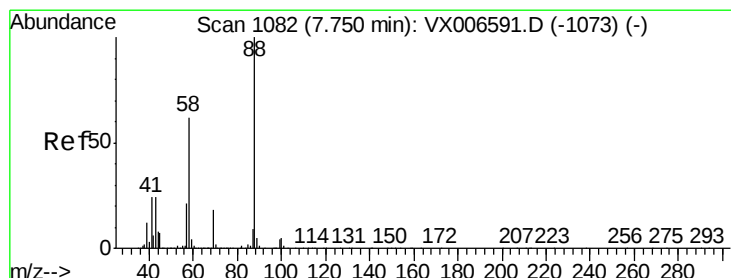
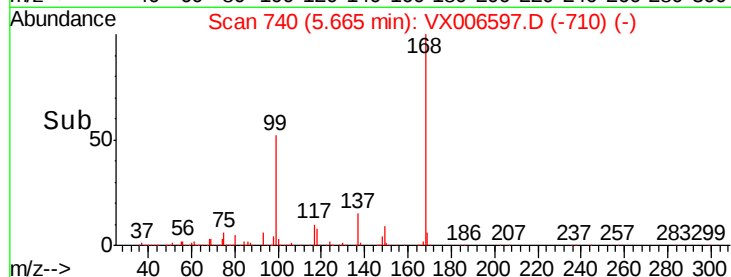
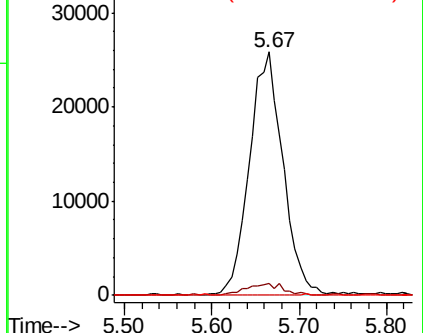
121 0.0 24.6 37.0#



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: 7.77 min Scan# 1086

Delta R.T. 0.02 min

Lab File: VX006597.D

Acq: 18 Dec 2018 14:58

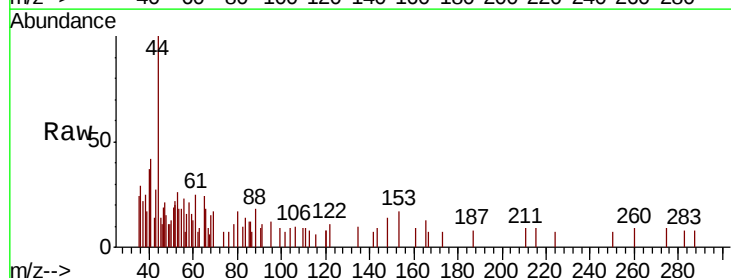
Tgt Ion: 88 Resp: 218

Ion Ratio Lower Upper

88 100

43 241.7 23.2 34.8#

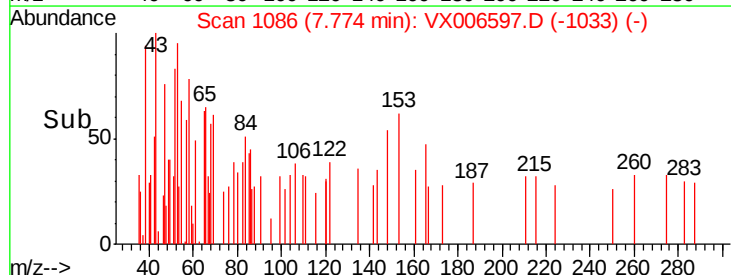
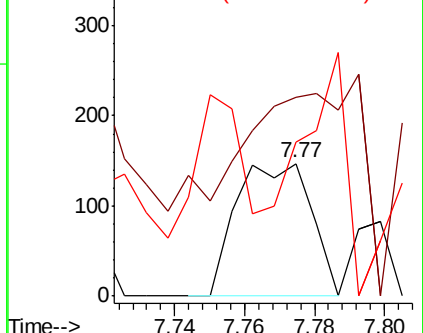
58 72.0 51.4 77.0

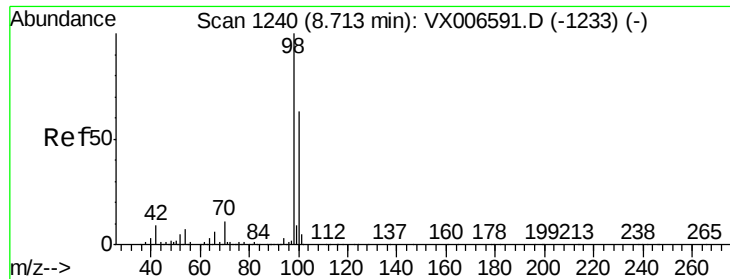


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.395 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006597.D

Acq: 18 Dec 2018 14:58

Instrument :

MSVOA_X

ClientSampleId :

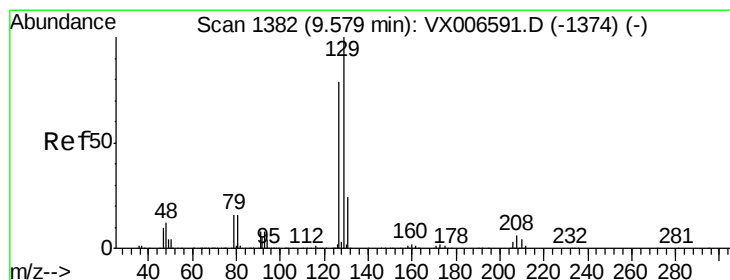
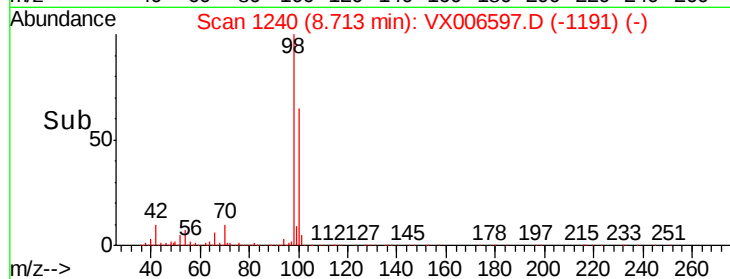
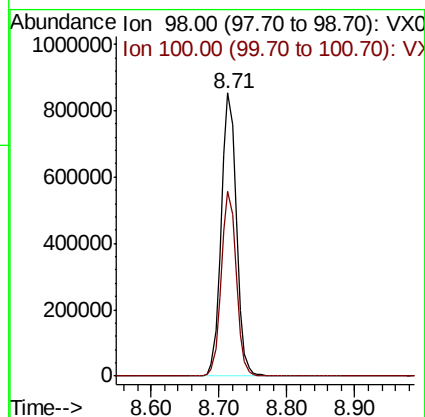
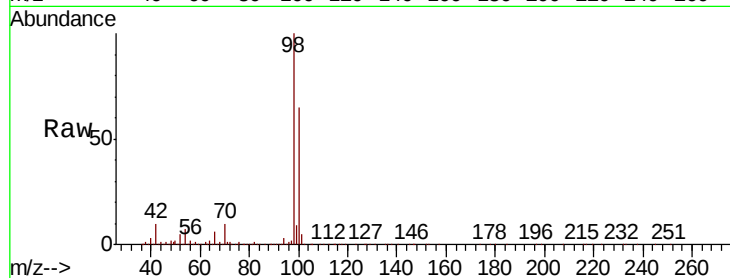
TB01_121318

Tot Ion: 98 Resp: 1321176

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2



#60

Dibromochloromethane

Concen: 2.328 ug/l

RT: 9.61 min Scan# 1387

Delta R.T. 0.03 min

Lab File: VX006597.D

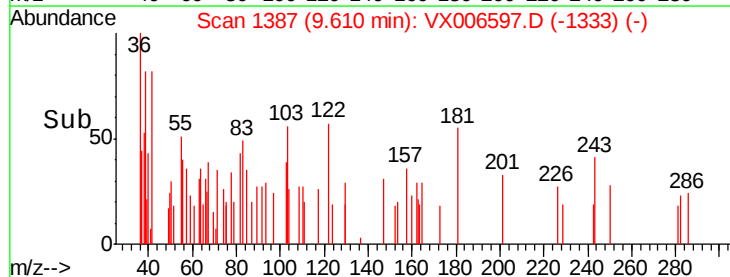
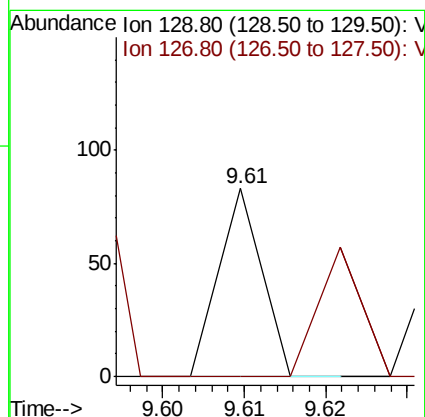
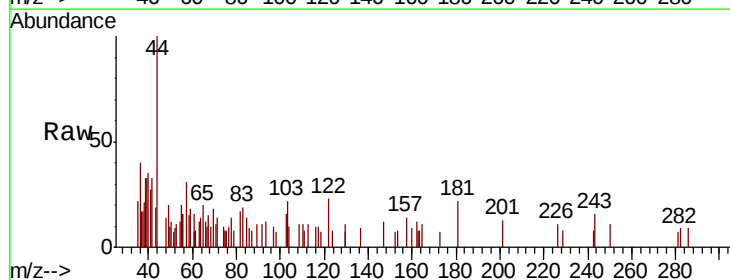
Acq: 18 Dec 2018 14:58

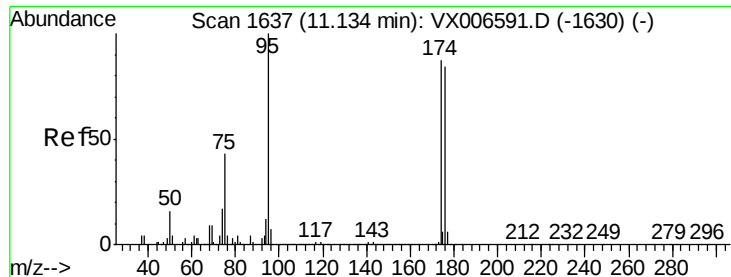
Tgt Ion: 129 Resp: 30

Ion Ratio Lower Upper

129 100

127 70.0 38.6 115.8

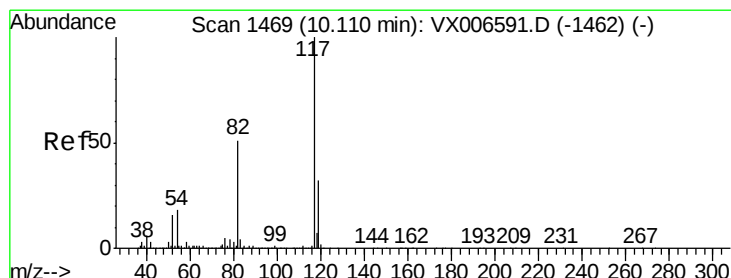
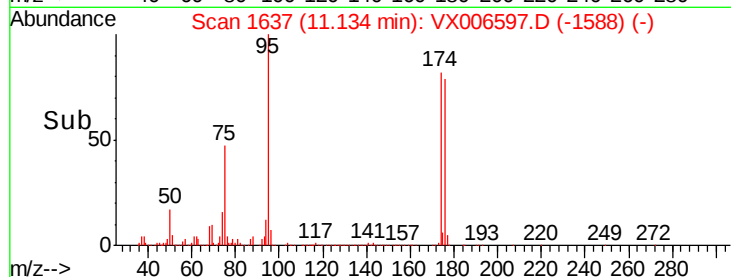
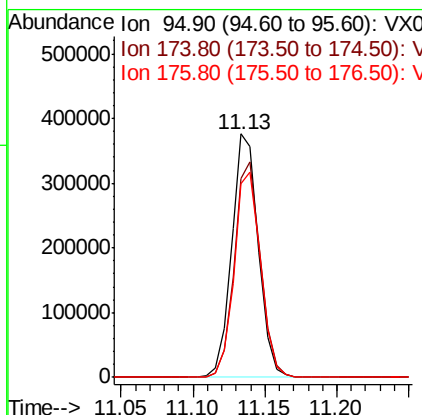
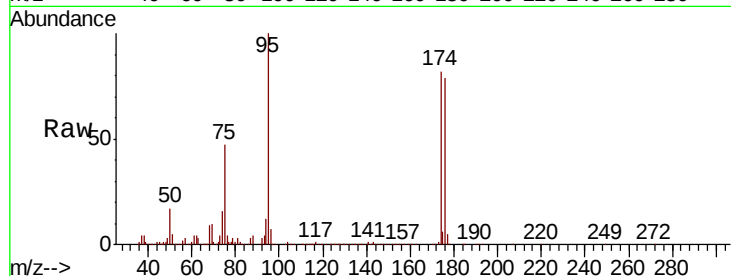




#62
4-Bromofluorobenzene
Concen: 49.658 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX006597.D
Acq: 18 Dec 2018 14:58

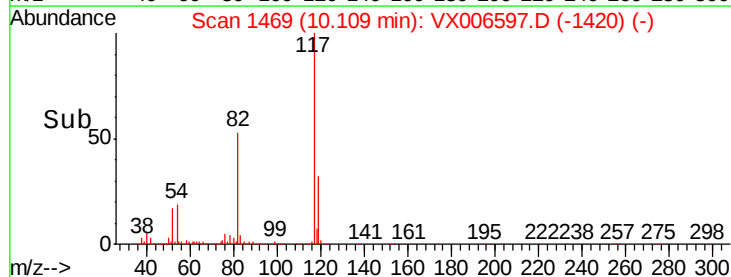
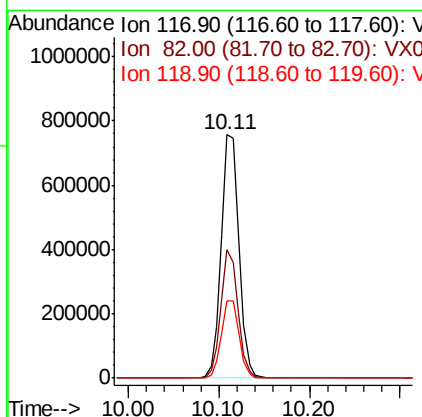
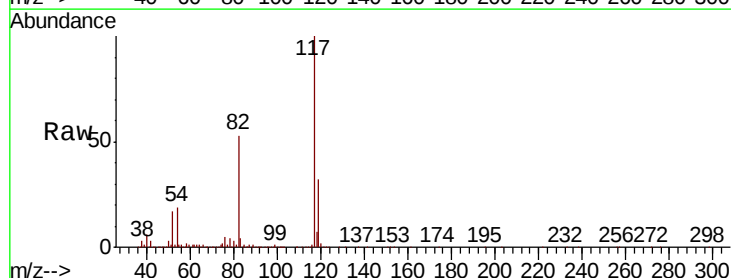
Instrument :
MSVOA_X
ClientSampleId :
TB01_121318

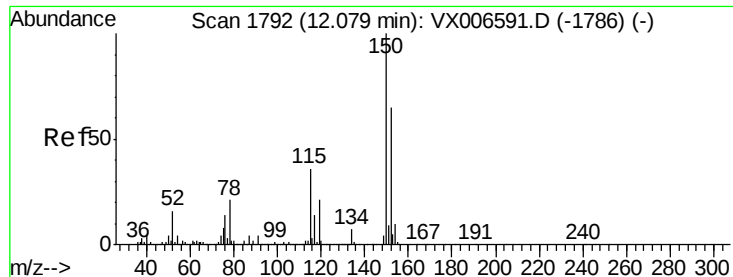
Tot Ion: 95 Resp: 486452
Ion Ratio Lower Upper
95 100
174 86.9 0.0 187.0
176 83.8 0.0 181.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006597.D
Acq: 18 Dec 2018 14:58

Tgt Ion: 117 Resp: 1039743
Ion Ratio Lower Upper
117 100
82 52.8 39.6 59.4
119 31.6 26.3 39.5



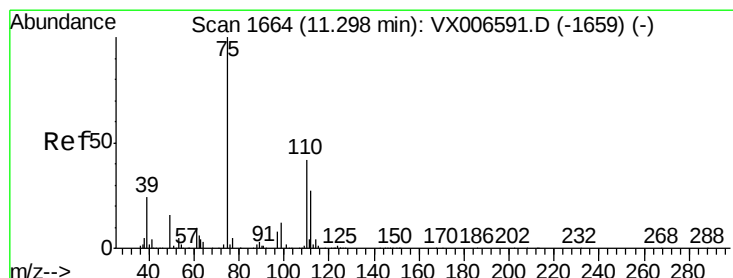
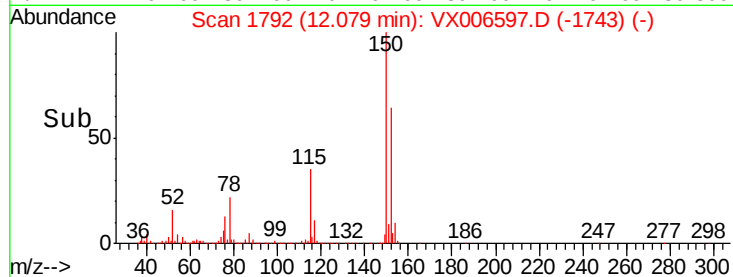
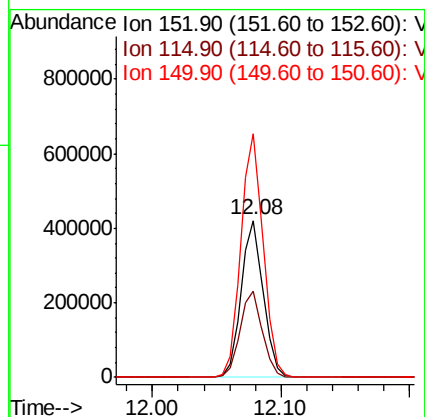
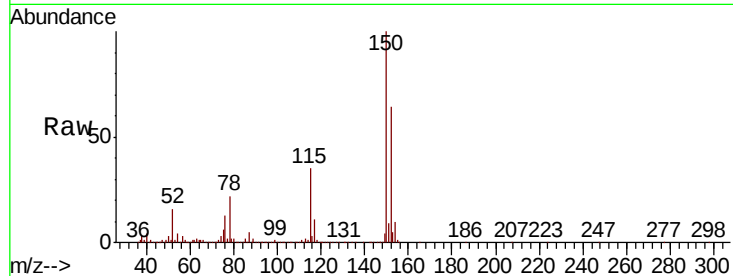


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006597.D
Acq: 18 Dec 2018 14:58

Instrument :
MSVOA_X
ClientSampleId :
TB01_121318

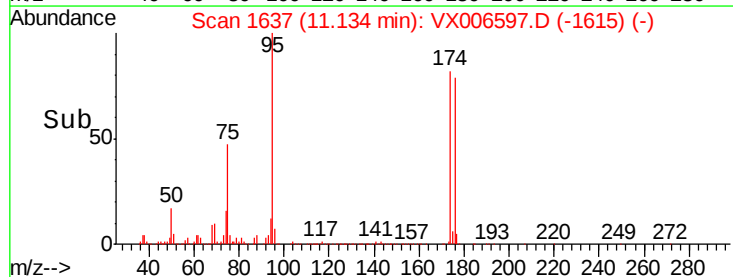
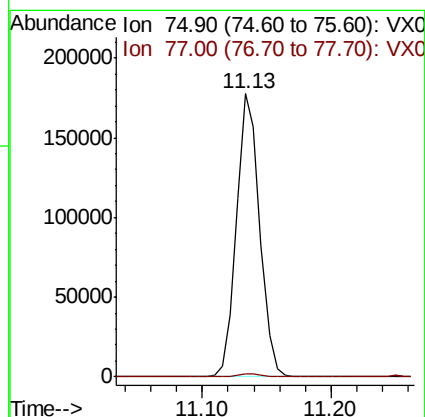
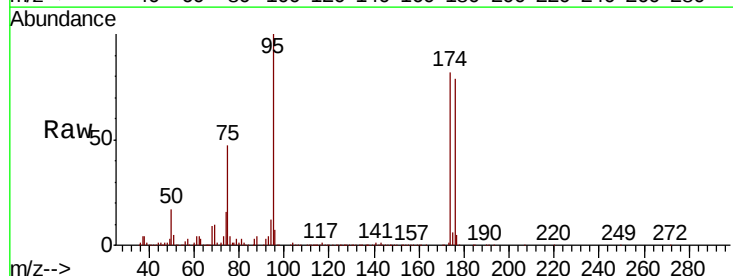
Tot Ion:152 Resp: 496938
Ion Ratio Lower Upper
152 100
115 56.2 39.0 116.9
150 157.4 0.0 345.8

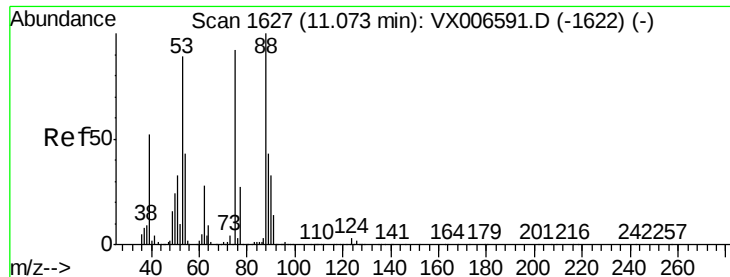


#76

1,2,3-Trichloropropane
Concen: 25.514 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006597.D
Acq: 18 Dec 2018 14:58

Tgt Ion: 75 Resp: 222217
Ion Ratio Lower Upper
75 100
77 1.4 19.9 59.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 71.261 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006597.D

Acq: 18 Dec 2018 14:58

Instrument :

MSVOA_X

ClientSampleId :

TB01_121318

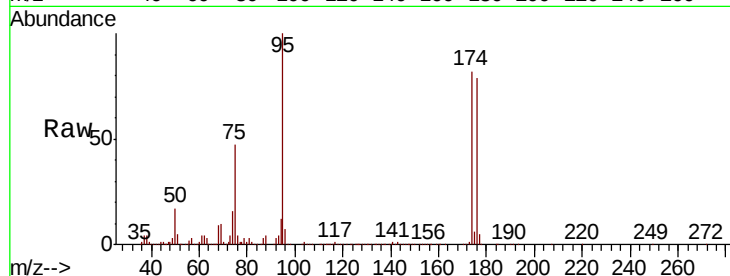
Tot Ion: 75 Resp: 222217

Ion Ratio Lower Upper

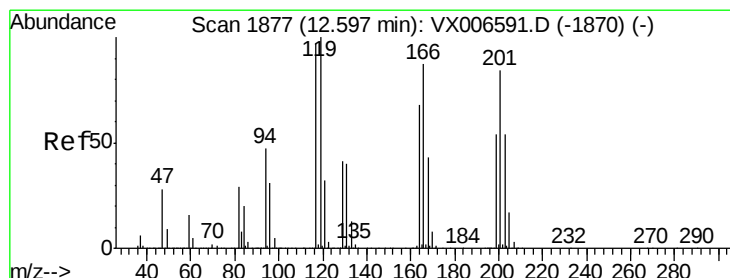
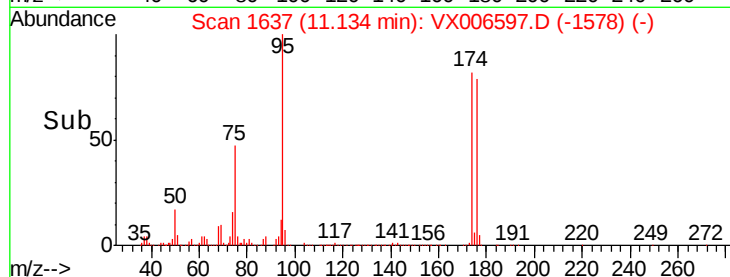
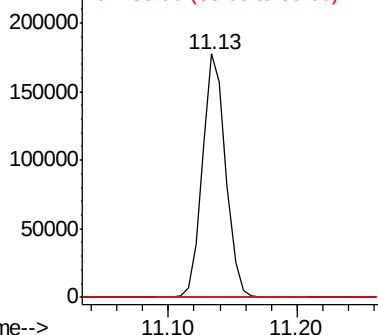
75 100

53 0.3 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



#90

Hexachloroethane

Concen: 3.334 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX006597.D

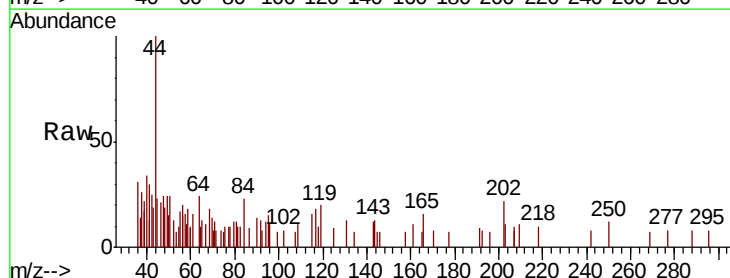
Acq: 18 Dec 2018 14:58

Tgt Ion: 117 Resp: 204

Ion Ratio Lower Upper

117 100

201 63.7 44.7 134.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

