

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121418\
 Data File : VX006513.D
 Acq On : 14 Dec 2018 12:59
 Operator : JC/MD
 Sample : J6396-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 15 04:34:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	743534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1151561	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1049079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	499436	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	383772	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
35) Dibromofluoromethane	5.50	113	342103	45.88	ug/l	0.00
Spiked Amount			Recovery	=	91.76%	
50) Toluene-d8	8.71	98	1339783	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	11.13	95	490424	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	

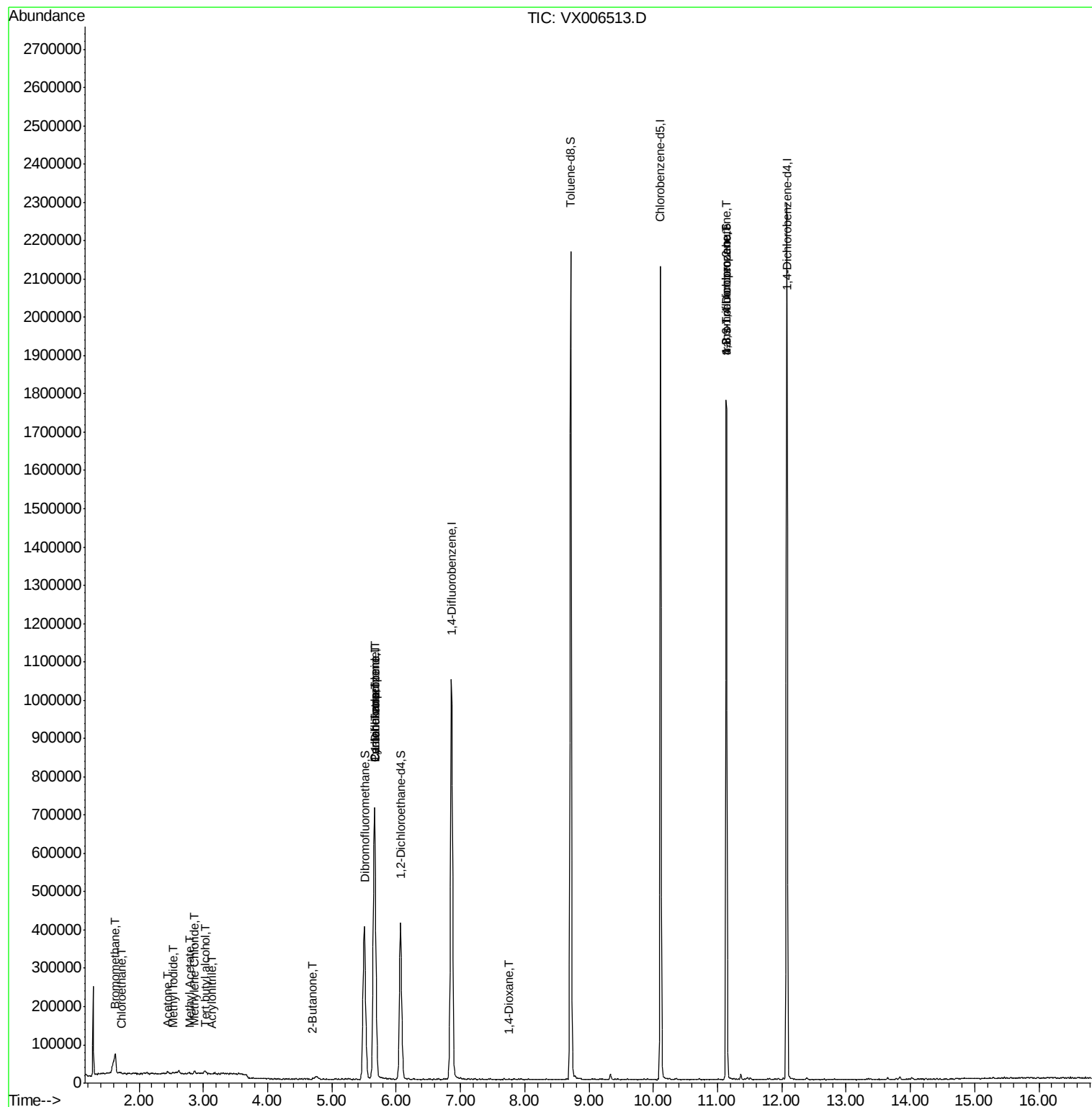
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1804	0.323	ug/l #	58
6) Chloroethane	1.73	64	994	0.201	ug/l #	42
10) Methyl Iodide	2.53	142	2421	0.229	ug/l #	78
11) Tert butyl alcohol	3.02	59	6159	2.967	ug/l	98
15) Acrylonitrile	3.14	53	1294	0.299	ug/l #	62
16) Acetone	2.45	43	5052	1.418	ug/l	96
18) Methyl Acetate	2.78	43	2580	0.217	ug/l #	86
20) Methylene Chloride	2.85	84	3767	0.497	ug/l #	80
25) 2-Butanone	4.70	43	1273	0.250	ug/l	99
31) Cyclohexane	5.66	56	11299	1.030	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	44928	4.633	ug/l #	49
38) Carbon Tetrachloride	5.67	117	67769	5.940	ug/l #	15
49) 1,4-Dioxane	7.75	88	119	0.548	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	223709	23.207	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	223709	54.459	ug/l #	15

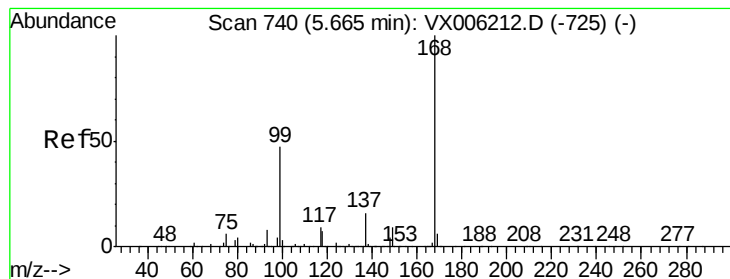
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006513.D

Acq: 14 Dec 2018 12:59

Instrument :

MSVOA_X

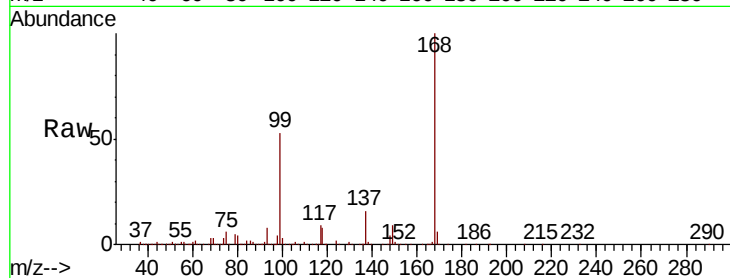
ClientSampleId :

Tot Ion:168 Resp: 743534

Ion Ratio Lower Upper

168 100

99 52.6 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

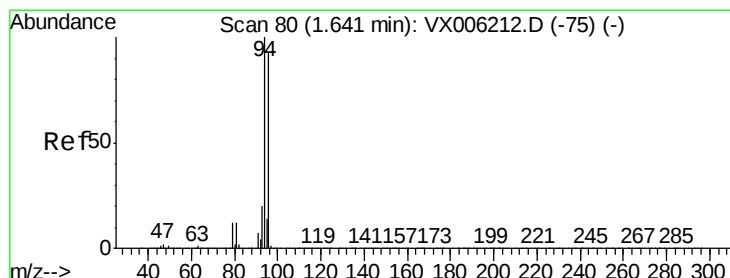
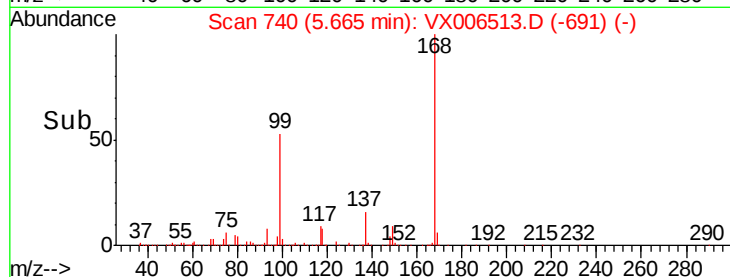
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.323 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006513.D

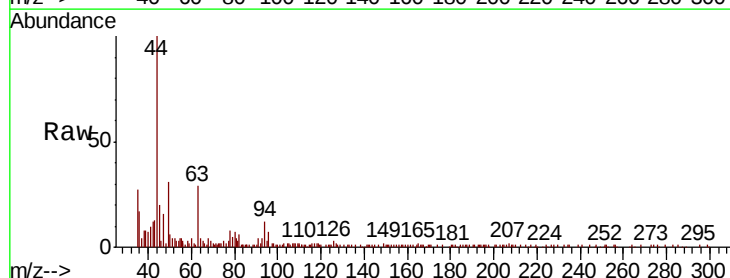
Acq: 14 Dec 2018 12:59

Tgt Ion: 94 Resp: 1804

Ion Ratio Lower Upper

94 100

96 53.1 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1500

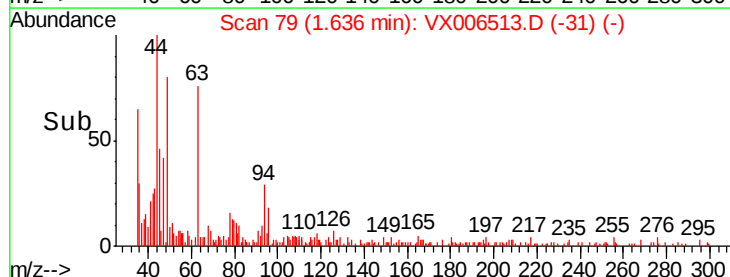
1000

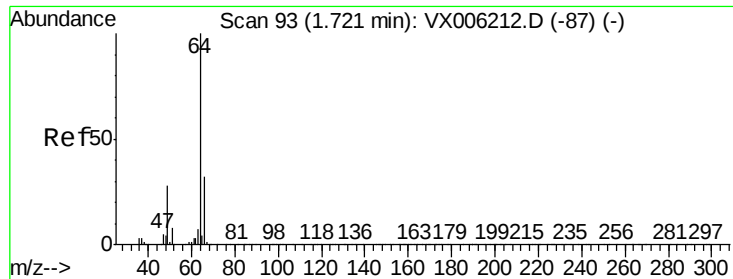
500

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: 0.201 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX006513.D

Acq: 14 Dec 2018 12:59

Instrument :

MSVOA_X

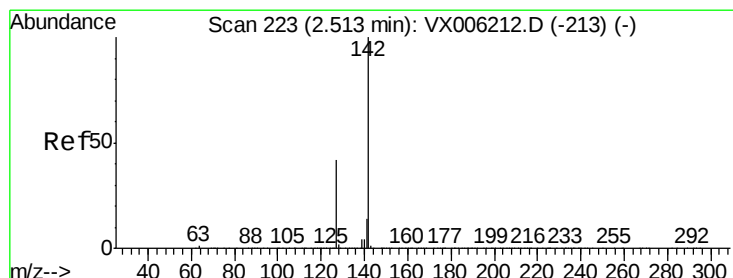
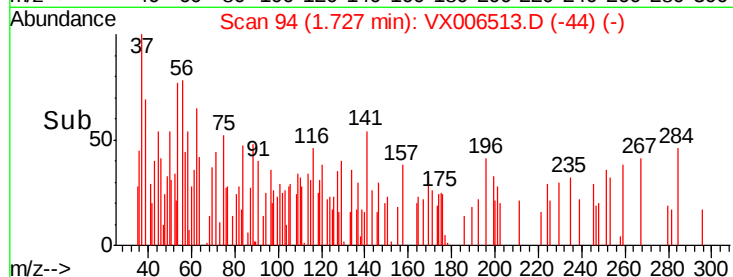
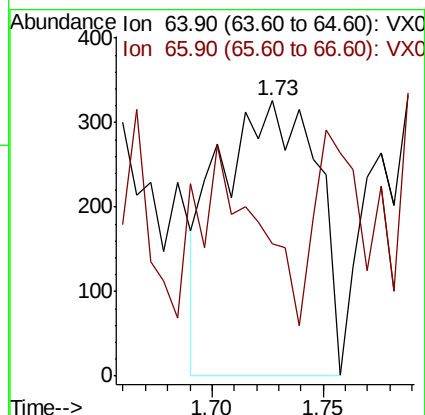
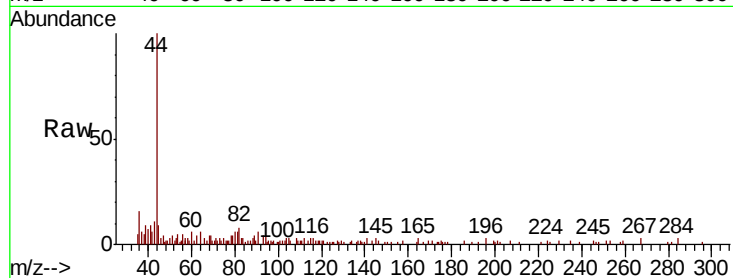
ClientSampleId :

Tot Ion: 64 Resp: 994

Ion Ratio Lower Upper

64 100

66 0.0 25.9 38.9#



#10

Methyl Iodide

Concen: 0.229 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.01 min

Lab File: VX006513.D

Acq: 14 Dec 2018 12:59

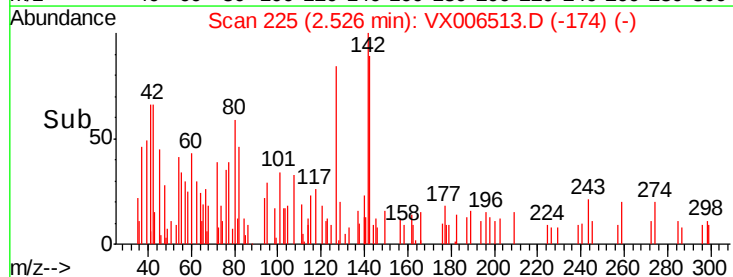
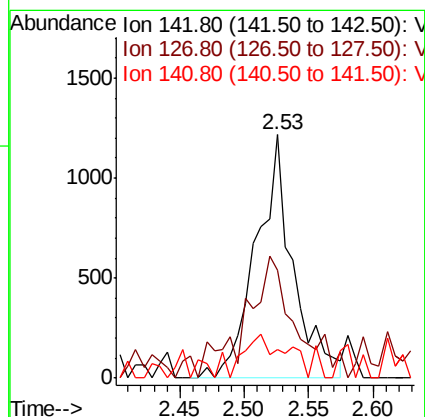
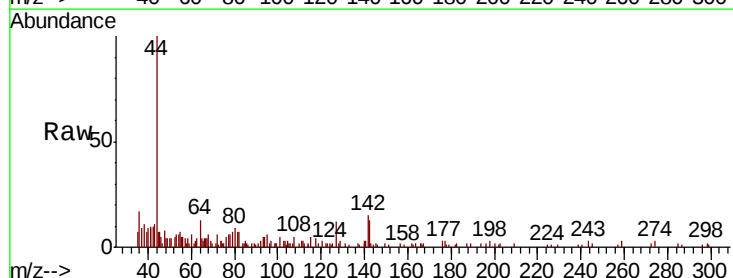
Tgt Ion: 142 Resp: 2421

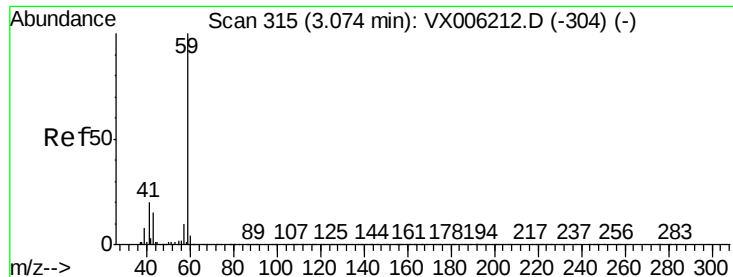
Ion Ratio Lower Upper

142 100

127 61.4 34.8 52.2#

141 15.5 11.4 17.2



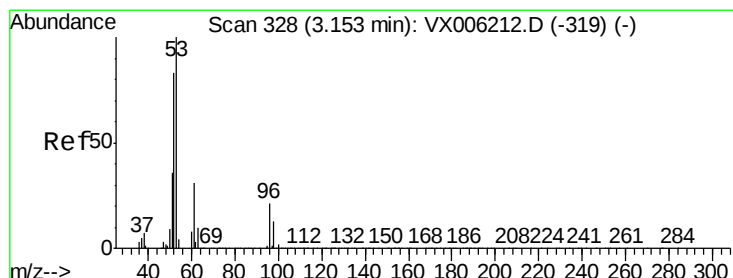
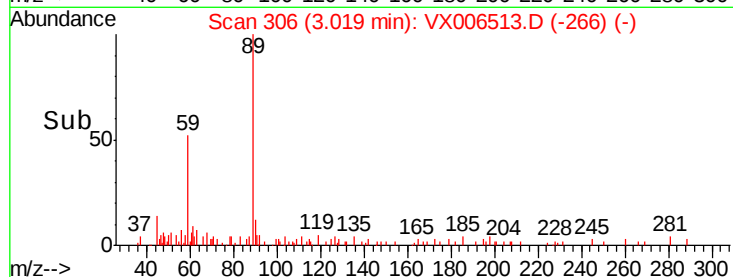
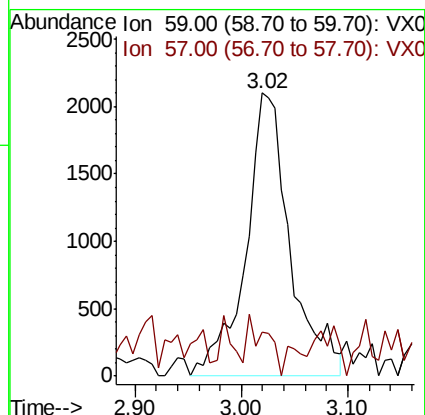
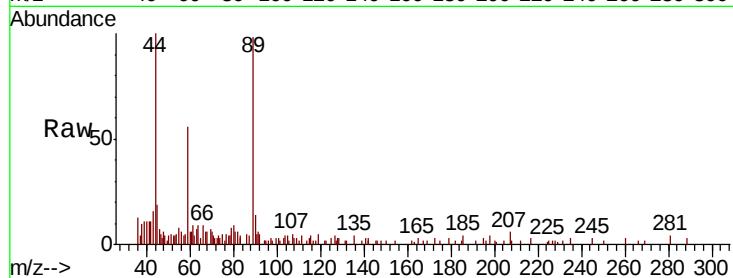


#11

Tert butyl alcohol
 Concen: 2.967 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.05 min
 Lab File: VX006513.D
 Acq: 14 Dec 2018 12:59

Instrument :
 MSVOA_X
 ClientSampleId :

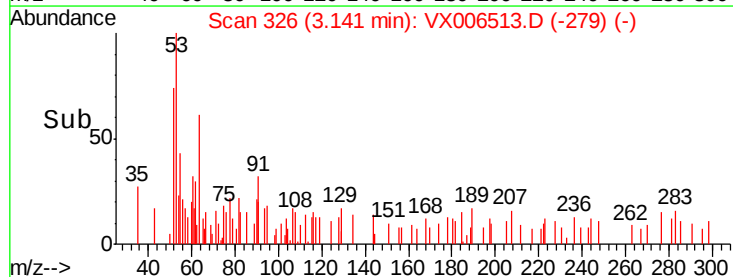
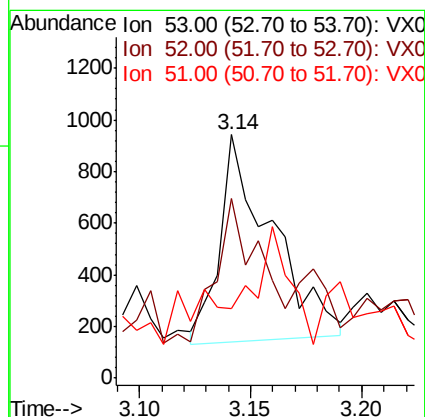
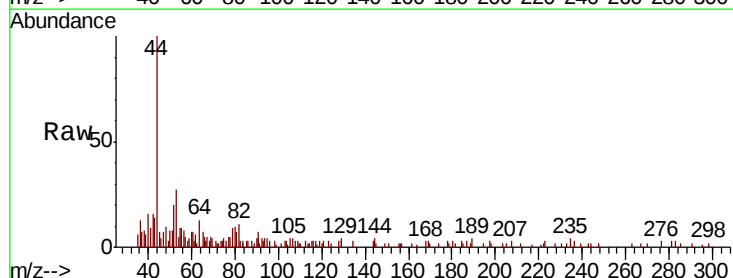
Tot Ion: 59 Resp: 6159
 Ion Ratio Lower Upper
 59 100
 57 9.3 8.2 12.2

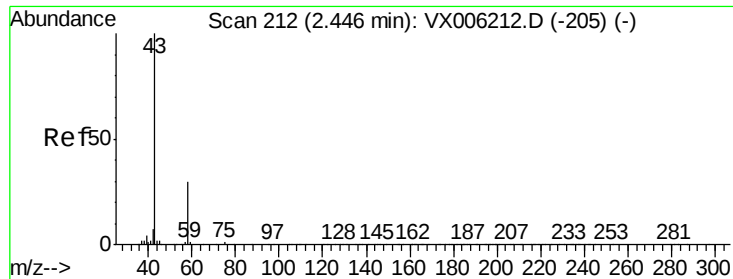


#15

Acrylonitrile
 Concen: 0.299 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. -0.01 min
 Lab File: VX006513.D
 Acq: 14 Dec 2018 12:59

Tgt Ion: 53 Resp: 1294
 Ion Ratio Lower Upper
 53 100
 52 58.3 66.2 99.4#
 51 0.0 28.7 43.1#

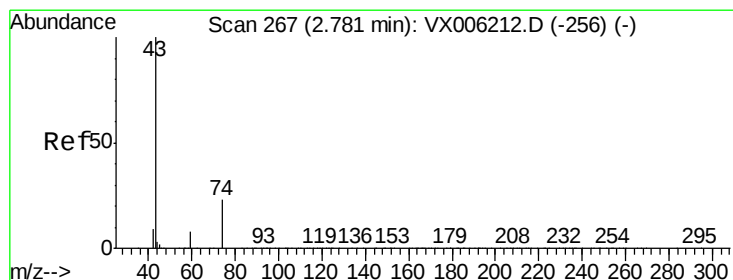
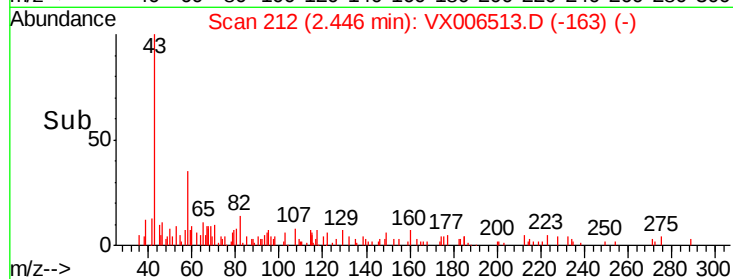
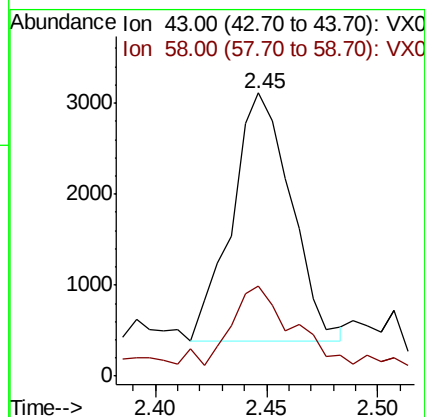
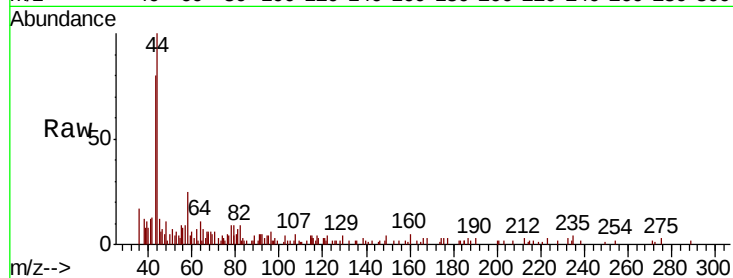




#16
Acetone
Concen: 1.418 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006513.D
Acq: 14 Dec 2018 12:59

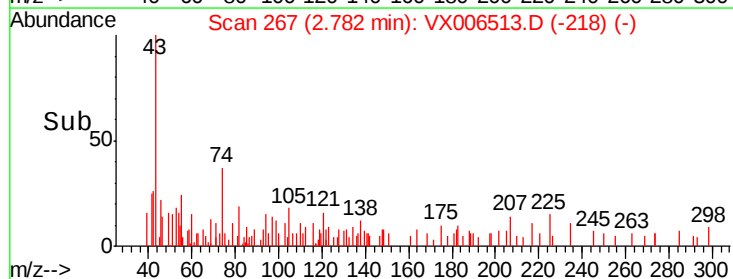
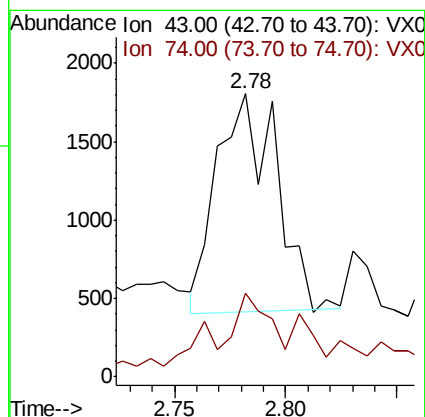
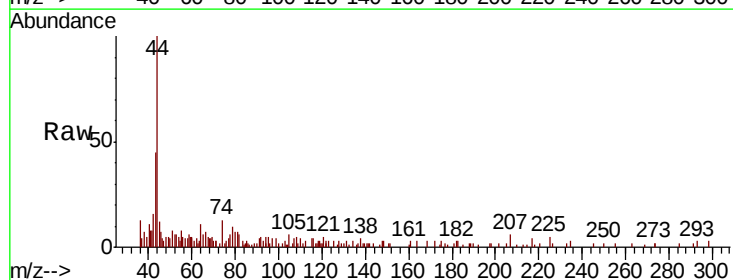
Instrument :
MSVOA_X
ClientSampleId :

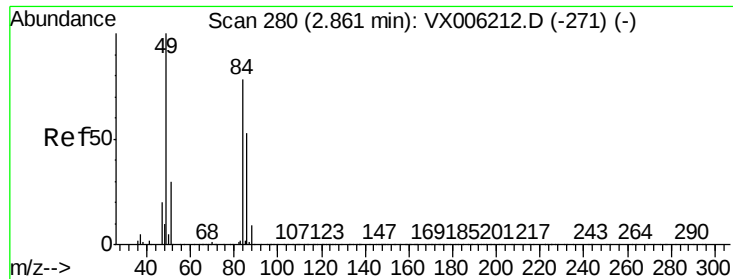
Tot Ion: 43 Resp: 5052
Ion Ratio Lower Upper
43 100
58 27.8 24.0 36.0



#18
Methyl Acetate
Concen: 0.217 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX006513.D
Acq: 14 Dec 2018 12:59

Tgt Ion: 43 Resp: 2580
Ion Ratio Lower Upper
43 100
74 29.3 17.9 26.9#

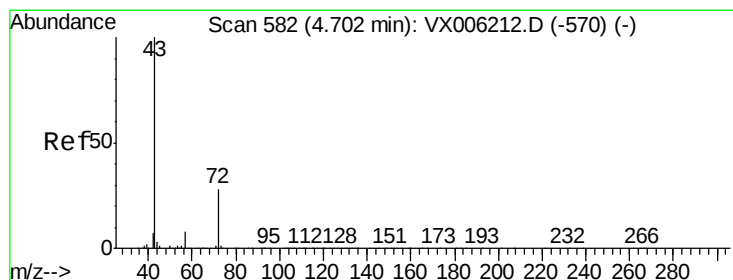
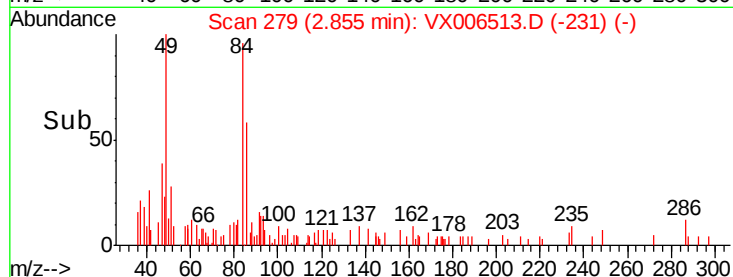
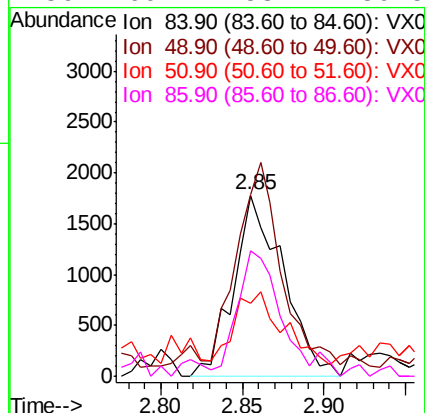
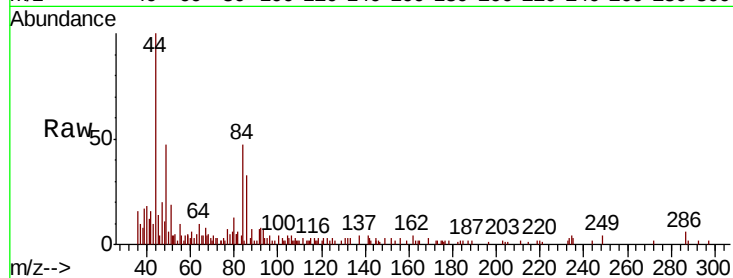




#20
Methvlene Chloride
Concen: 0.497 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006513.D
Acq: 14 Dec 2018 12:59

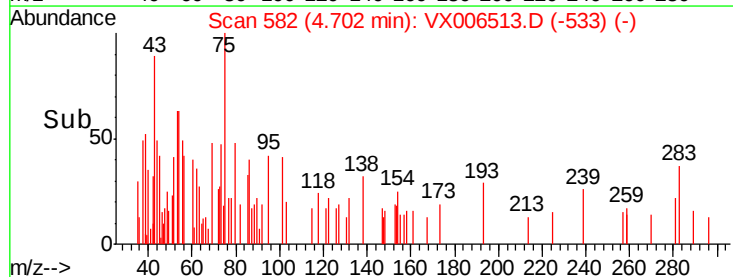
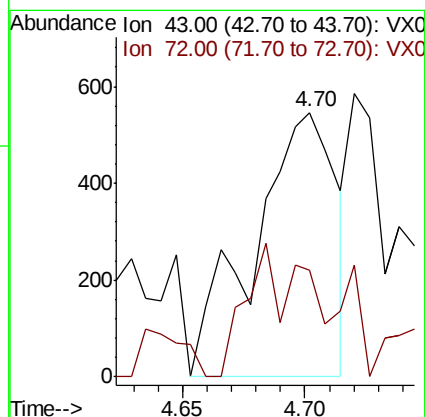
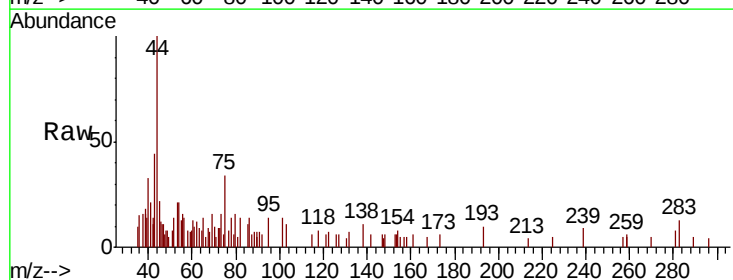
Instrument :
MSVOA_X
ClientSampleId :

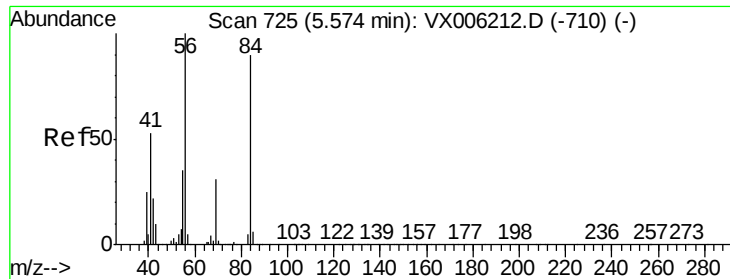
Tot Ion: 84 Resp: 3767
Ion Ratio Lower Upper
84 100
49 93.9 102.2 153.4#
51 29.0 31.1 46.7#
86 69.7 53.7 80.5



#25
2-Butanone
Concen: 0.250 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.00 min
Lab File: VX006513.D
Acq: 14 Dec 2018 12:59

Tgt Ion: 43 Resp: 1273
Ion Ratio Lower Upper
43 100
72 27.8 22.6 33.8

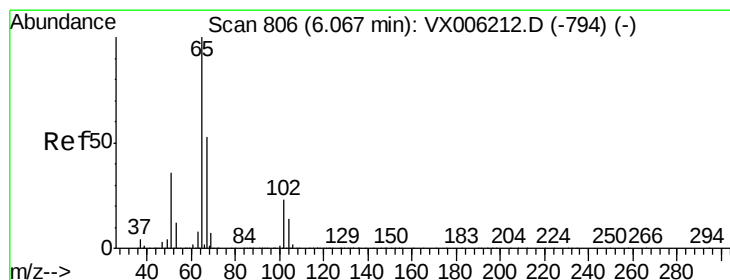
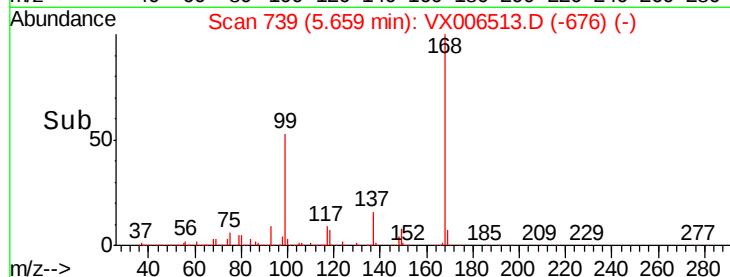
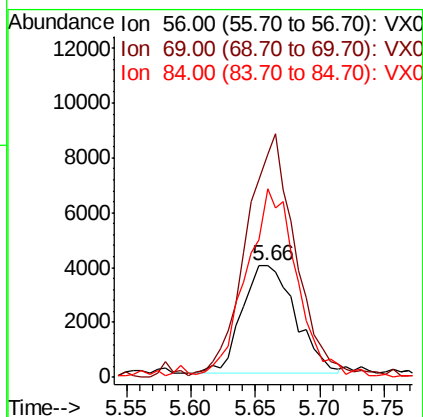
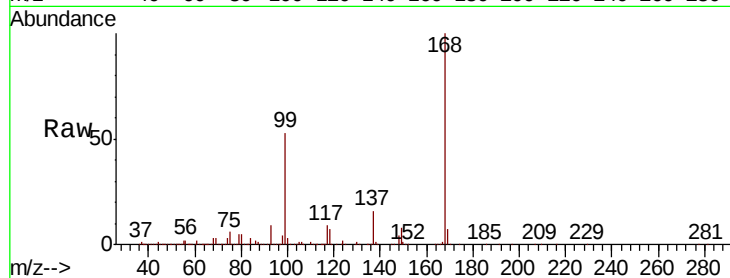




#31
Cyclohexane
Concen: 1.030 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX006513.D
Acq: 14 Dec 2018 12:59

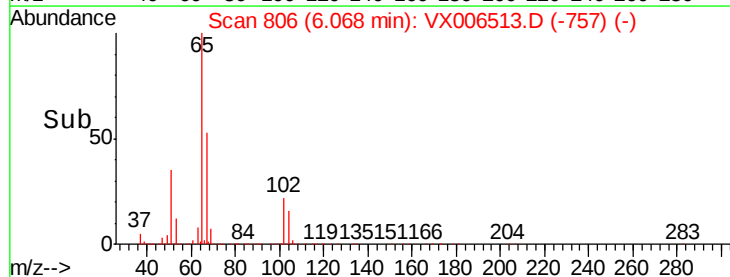
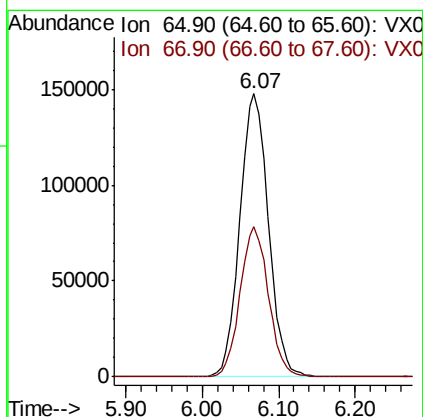
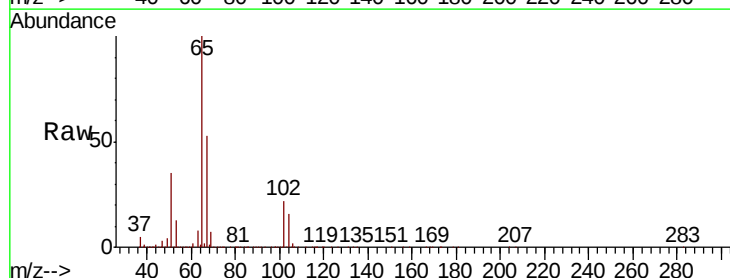
Instrument :
MSVOA_X
ClientSampleId :

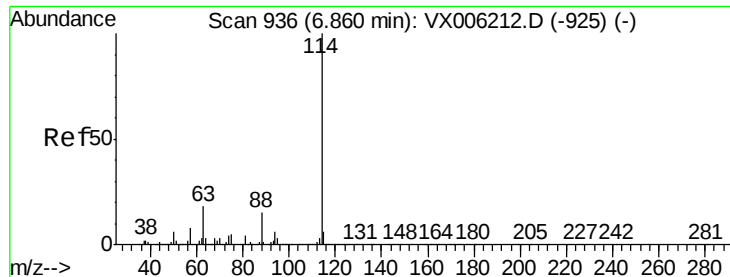
Tot Ion: 56 Resp: 11299
Ion Ratio Lower Upper
56 100
69 205.6 24.5 36.7#
84 170.7 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 50.561 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX006513.D
Acq: 14 Dec 2018 12:59

Tgt Ion: 65 Resp: 383772
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006513.D

Acq: 14 Dec 2018 12:59

Instrument :

MSVOA_X

ClientSampleId :

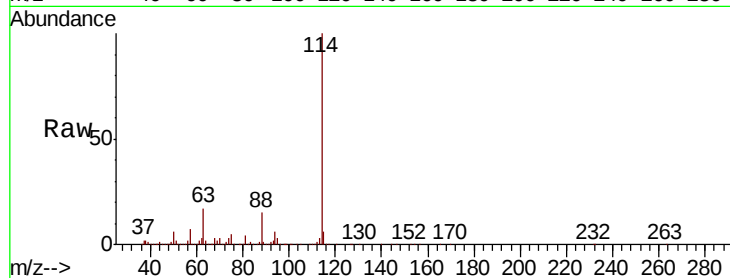
Tot Ion:114 Resp: 1151561

Ion Ratio Lower Upper

114 100

63 17.1 0.0 36.6

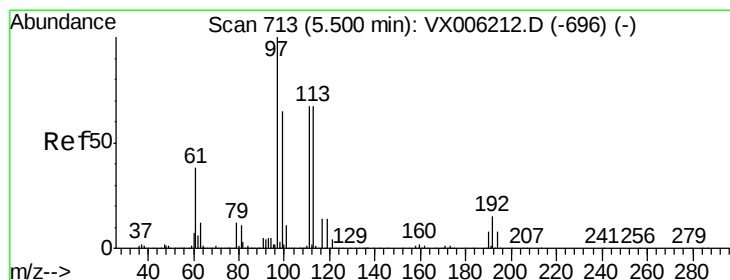
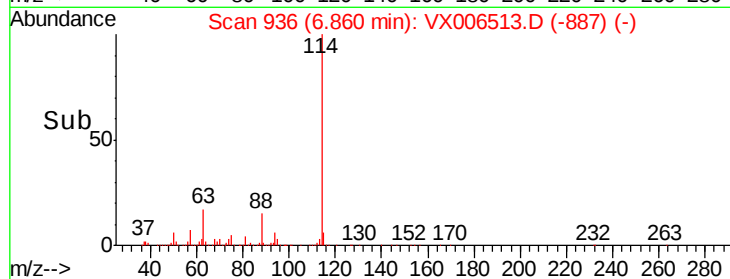
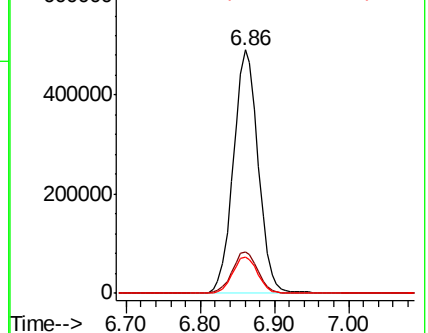
88 14.9 0.0 29.0



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: 45.883 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006513.D

Acq: 14 Dec 2018 12:59

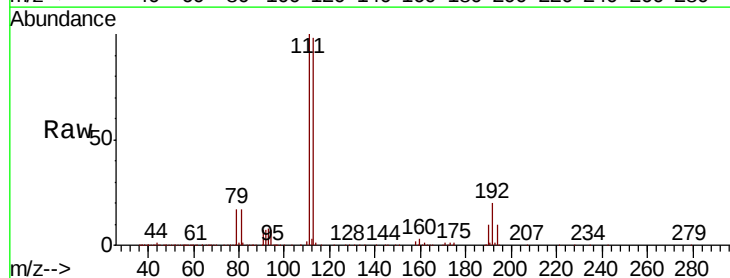
Tgt Ion:113 Resp: 342103

Ion Ratio Lower Upper

113 100

111 103.9 81.1 121.7

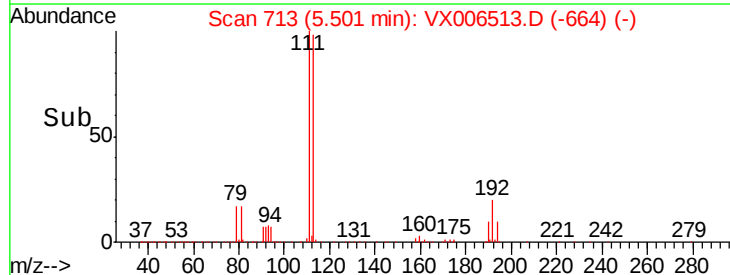
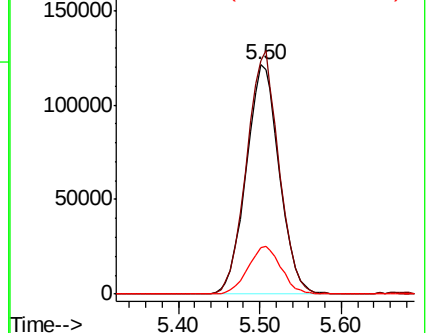
192 21.0 18.2 27.2

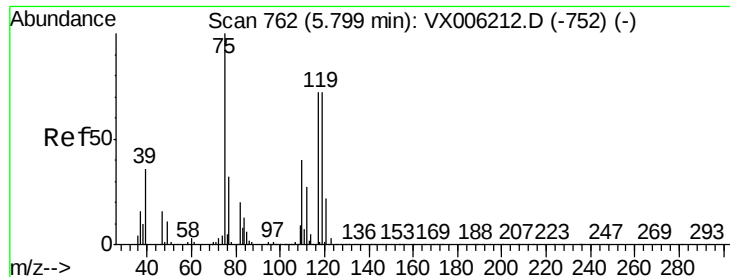


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.633 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006513.D

Acq: 14 Dec 2018 12:59

Instrument :
MSVOA_X
ClientSampleId :

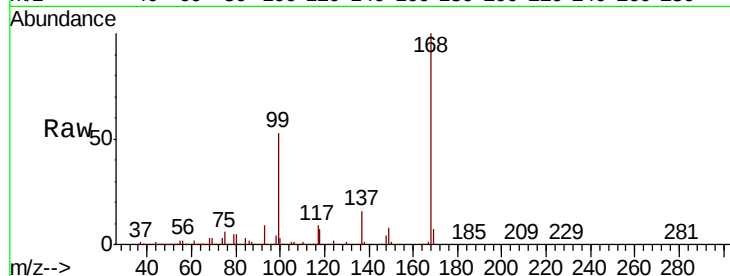
Tot Ion: 75 Resp: 44928

Ion Ratio Lower Upper

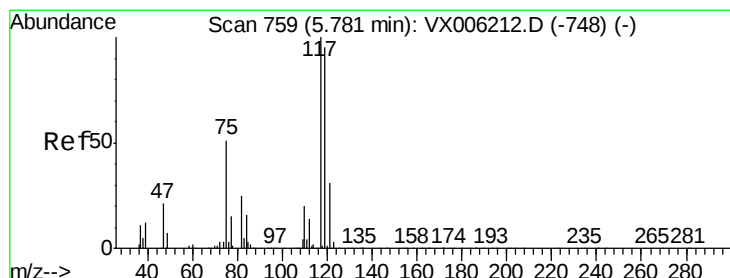
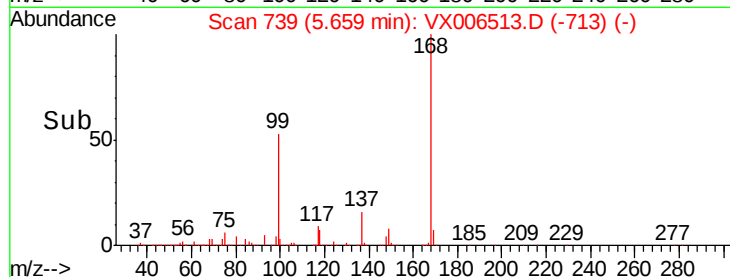
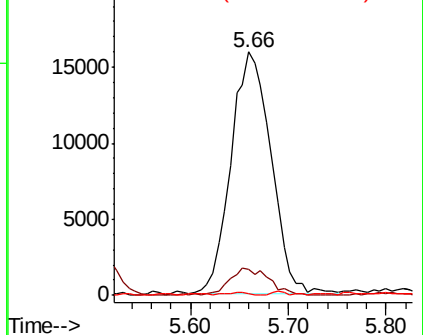
75 100

110 11.4 20.4 61.3#

77 0.7 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: 5.940 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006513.D

Acq: 14 Dec 2018 12:59

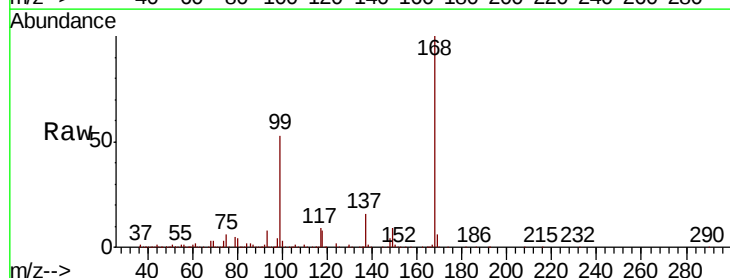
Tgt Ion: 117 Resp: 67769

Ion Ratio Lower Upper

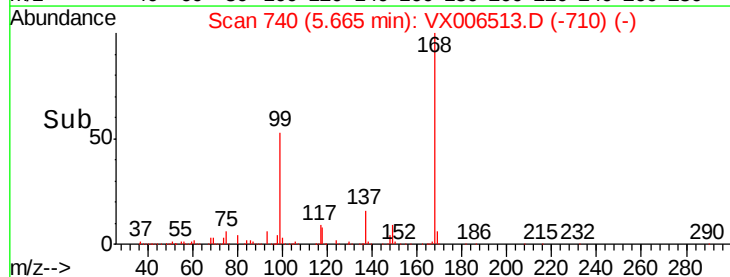
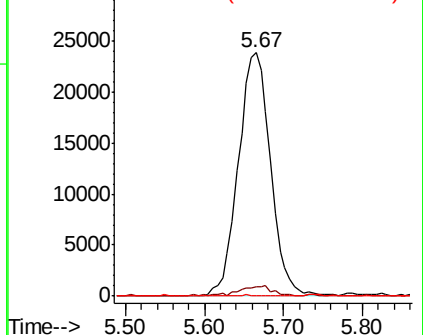
117 100

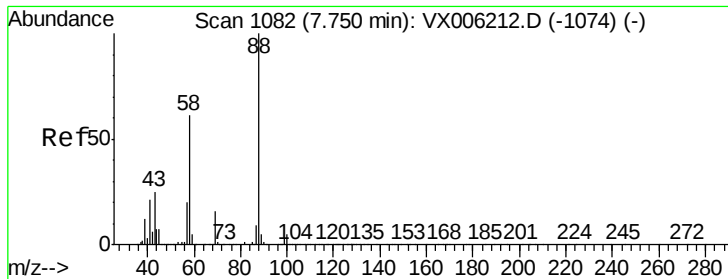
119 3.6 75.8 113.8#

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

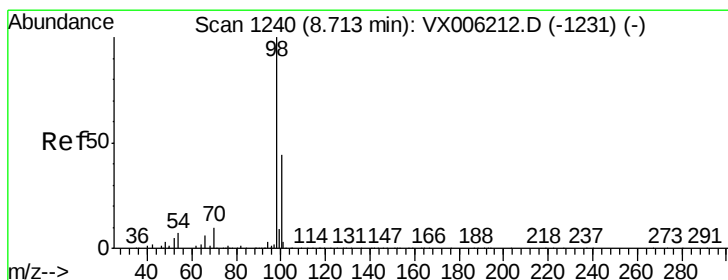
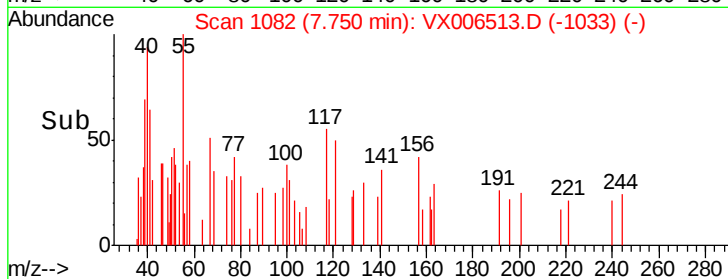
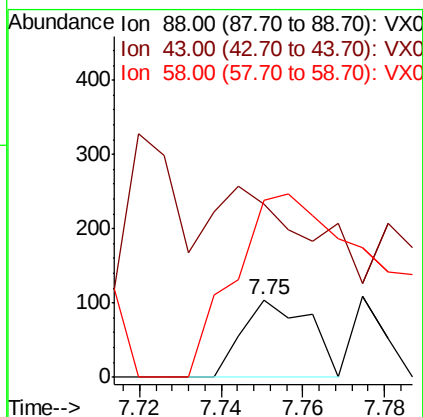
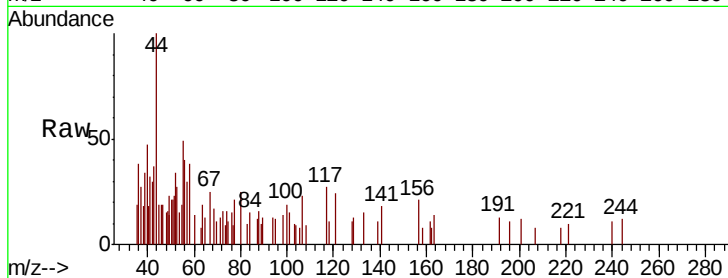




#49
1,4-Dioxane
Concen: 0.548 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006513.D
Acq: 14 Dec 2018 12:59

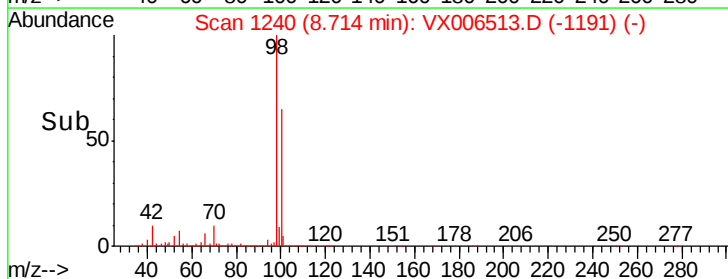
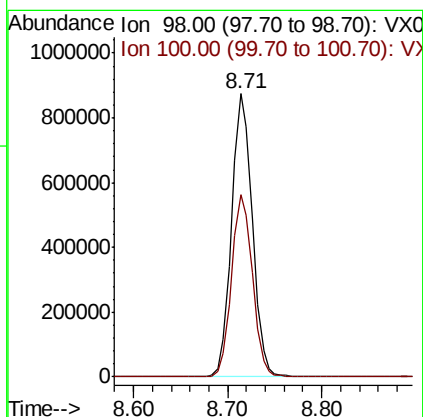
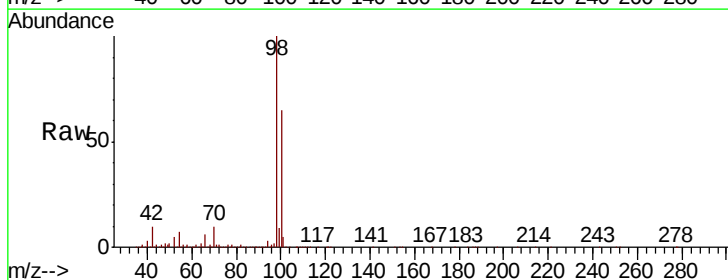
Instrument :
MSVOA_X
ClientSampleId :

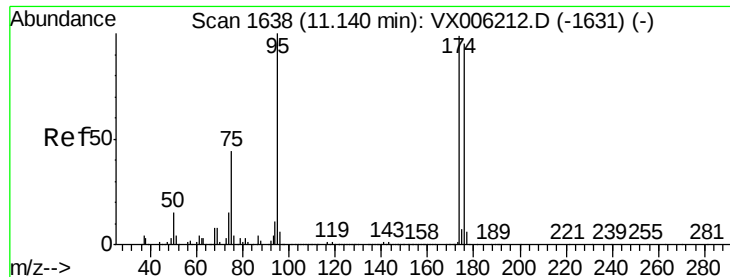
Tot Ion: 88 Resp: 119
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 487.4 51.4 77.0#



#50
Toluene-d8
Concen: 49.402 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006513.D
Acq: 14 Dec 2018 12:59

Tgt Ion: 98 Resp: 1339783
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 47.988 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006513.D

Acq: 14 Dec 2018 12:59

Instrument :

MSVOA_X

ClientSampleId :

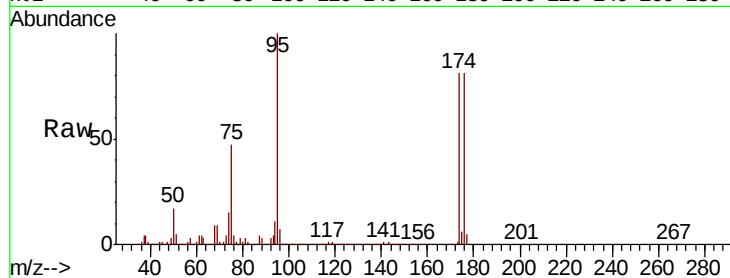
Tot Ion: 95 Resp: 490424

Ion Ratio Lower Upper

95 100

174 87.9 0.0 187.0

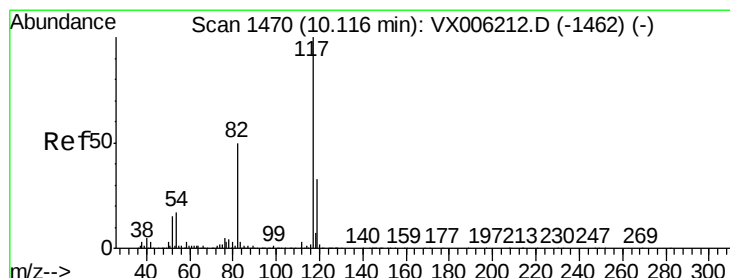
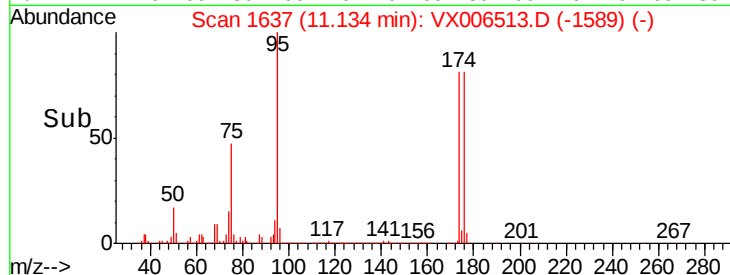
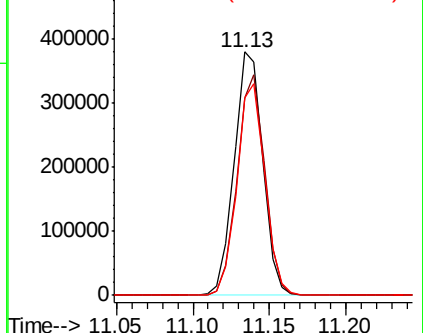
176 85.3 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX006513.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX006513.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX006513.D (-1589) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006513.D

Acq: 14 Dec 2018 12:59

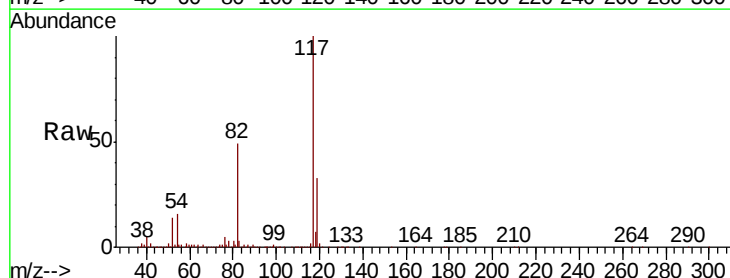
Tgt Ion: 117 Resp: 1049079

Ion Ratio Lower Upper

117 100

82 49.3 39.6 59.4

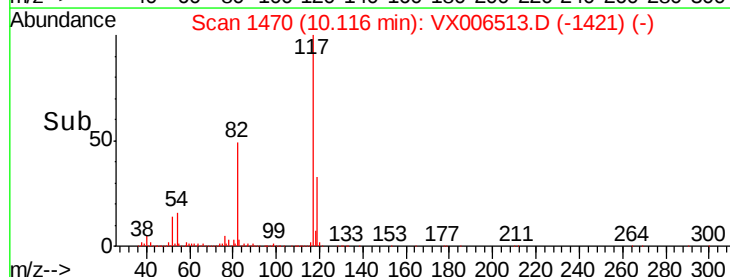
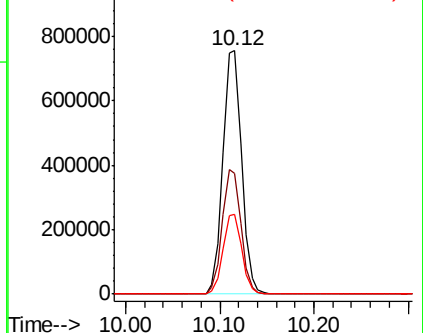
119 32.6 26.3 39.5

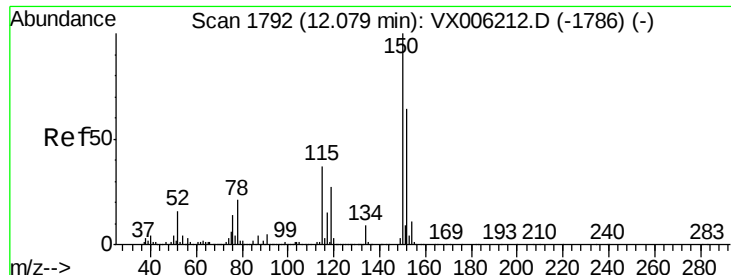


Abundance Ion 116.90 (116.60 to 117.60): VX006513.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX006513.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX006513.D (-1421) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006513.D

Acq: 14 Dec 2018 12:59

Instrument :

MSVOA_X

ClientSampleId :

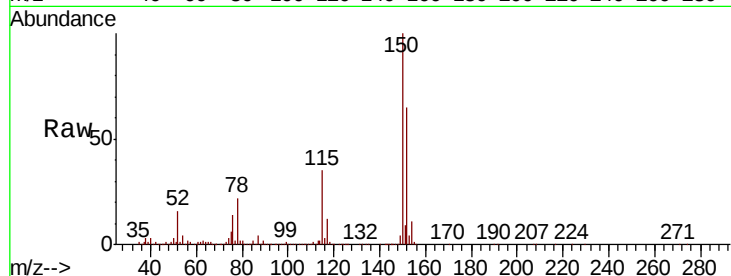
Tot Ion:152 Resp: 499436

Ion Ratio Lower Upper

152 100

115 56.0 39.0 116.9

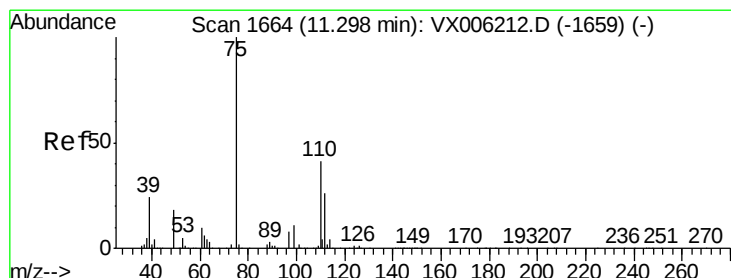
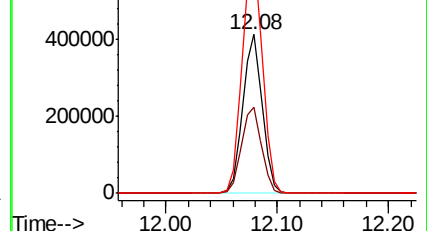
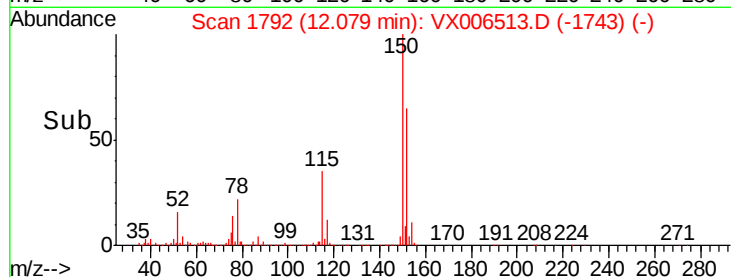
150 155.9 0.0 345.8



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: 23.207 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006513.D

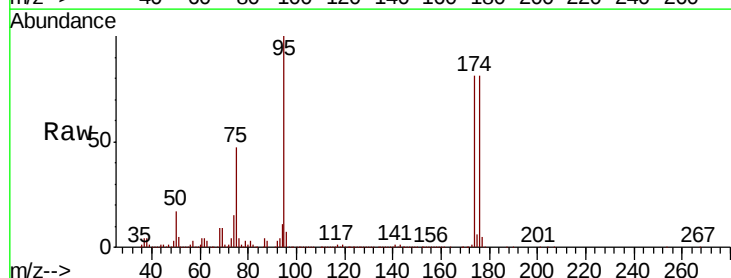
Acq: 14 Dec 2018 12:59

Tgt Ion: 75 Resp: 223709

Ion Ratio Lower Upper

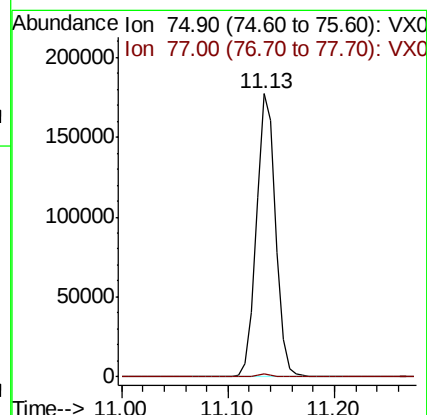
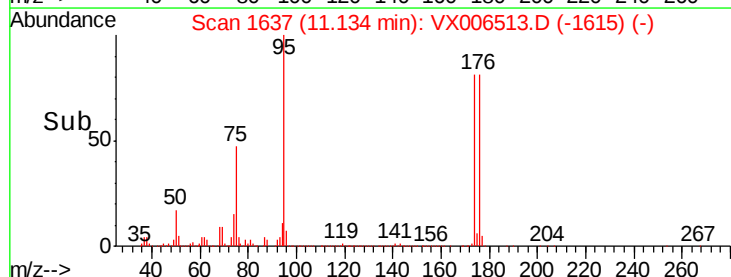
75 100

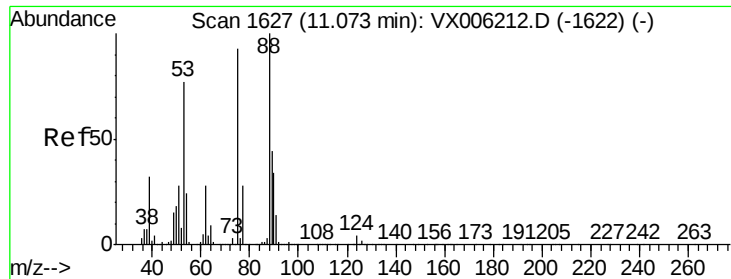
77 1.1 19.9 59.7#



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: 54.459 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006513.D

Acq: 14 Dec 2018 12:59

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 223709

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.1 44.2 66.4#

