

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006611.D
 Acq On : 18 Dec 2018 22:05
 Operator : JC/MD
 Sample : VX1218WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1218WBL02

Quant Time: Dec 19 06:03:41 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	5.66	168	667181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1054305	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	960961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	454963	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	362372	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
35) Dibromofluoromethane	5.50	113	314548	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	
50) Toluene-d8	8.71	98	1237930	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
62) 4-Bromofluorobenzene	11.13	95	452472	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	

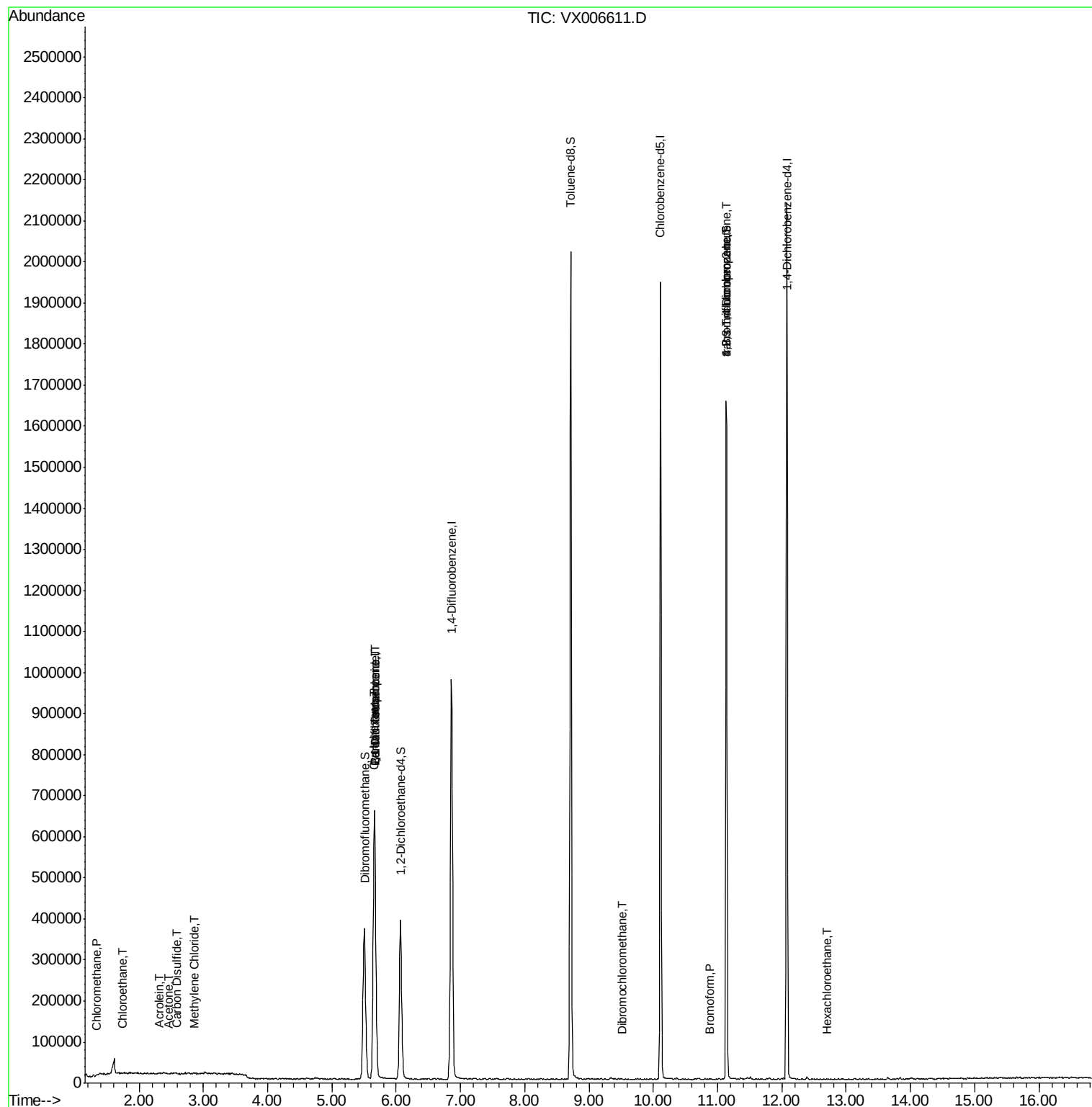
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1488	0.226	ug/l	99
5) Bromomethane	1.65	94	1320	Below Cal	#	63
6) Chloroethane	1.74	64	3153	0.663	ug/l #	66
13) Acrolein	2.31	56	392	0.362	ug/l	99
16) Acetone	2.45	43	793	0.240	ug/l #	52
17) Carbon Disulfide	2.57	76	3233	0.205	ug/l #	84
20) Methylene Chloride	2.85	84	1712	0.251	ug/l #	84
28) Bromochloromethane	5.01	49	434	Below Cal	#	18
31) Cyclohexane	5.65	56	11428	1.148	ug/l #	8
36) 1,1-Dichloropropene	5.67	75	44515	5.098	ug/l #	39
38) Carbon Tetrachloride	5.67	117	62999	7.424	ug/l #	16
49) 1,4-Dioxane	7.73	88	69	Below Cal	#	1
60) Dibromochloromethane	9.52	129	83	2.335	ug/l	69
71) Bromoform	10.88	173	161	4.486	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	214565	26.908	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	214565	74.924	ug/l #	15
90) Hexachloroethane	12.69	117	90	3.313	ug/l	66

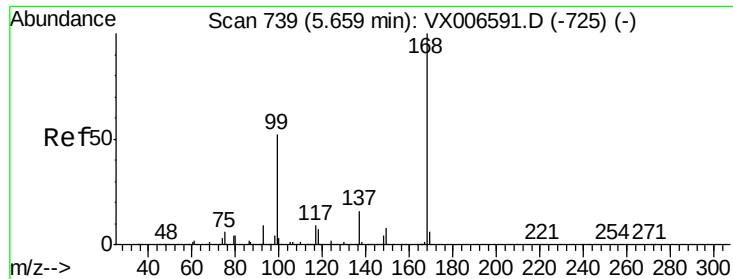
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121818\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX006611.D

Acq: 18 Dec 2018 22:05

Instrument :

MSVOA_X

ClientSampleId :

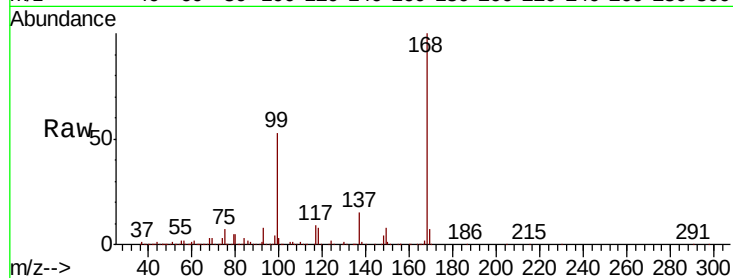
VX1218WBL02

Tot Ion:168 Resp: 667181

Ion Ratio Lower Upper

168 100

99 53.3 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

150000

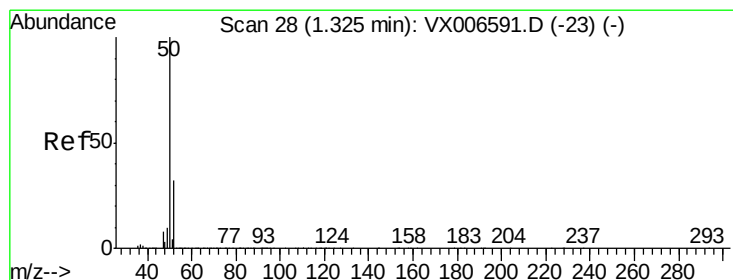
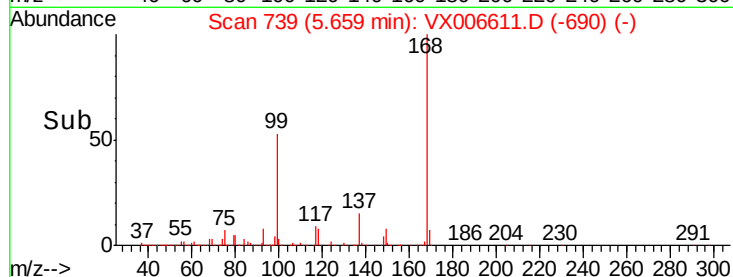
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.226 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006611.D

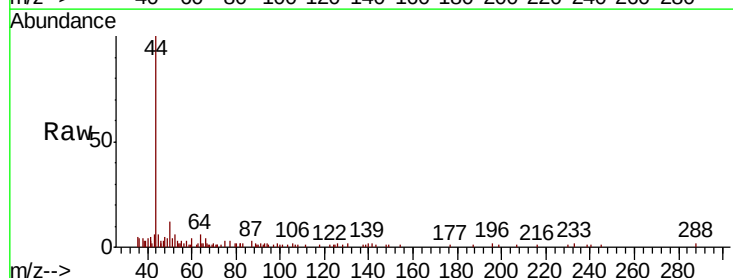
Acq: 18 Dec 2018 22:05

Tgt Ion: 50 Resp: 1488

Ion Ratio Lower Upper

50 100

52 32.0 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

800

600

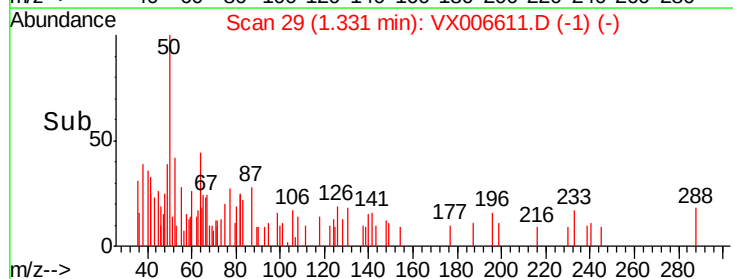
400

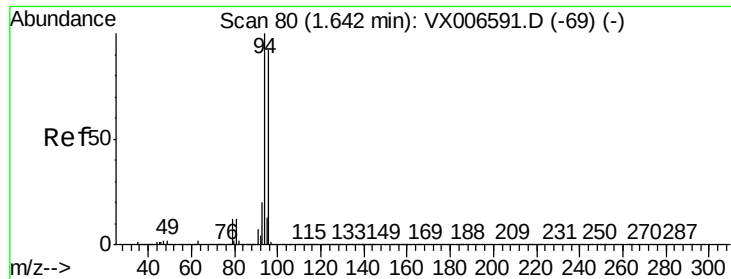
200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006611.D

Acq: 18 Dec 2018 22:05

Instrument :

MSVOA_X

ClientSampleId :

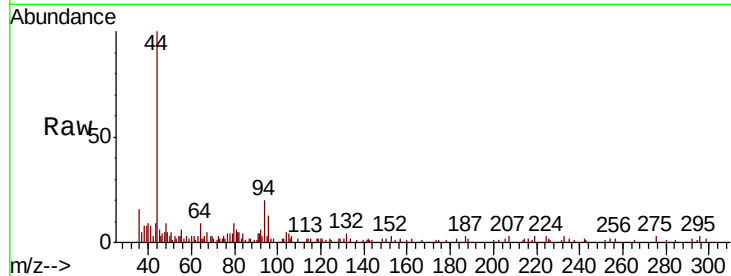
VX1218WBL02

Tot Ion: 94 Resp: 1320

Ion Ratio Lower Upper

94 100

96 57.6 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

1000

800

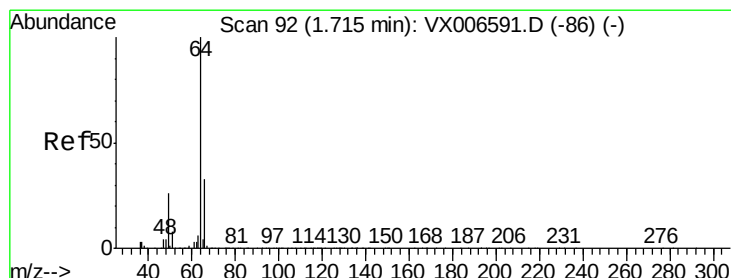
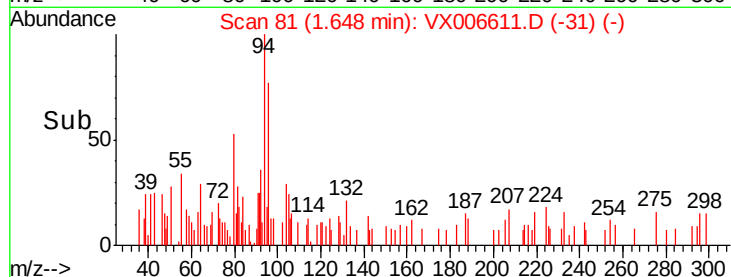
600

400

200

0

Time--> 1.60 1.65 1.70



#6

Chloroethane

Concen: 0.663 ug/l

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX006611.D

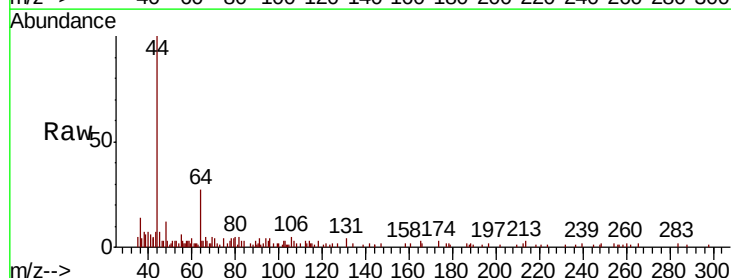
Acq: 18 Dec 2018 22:05

Tgt Ion: 64 Resp: 3153

Ion Ratio Lower Upper

64 100

66 13.1 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

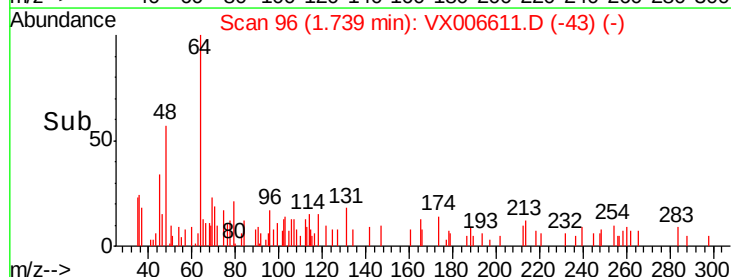
1500

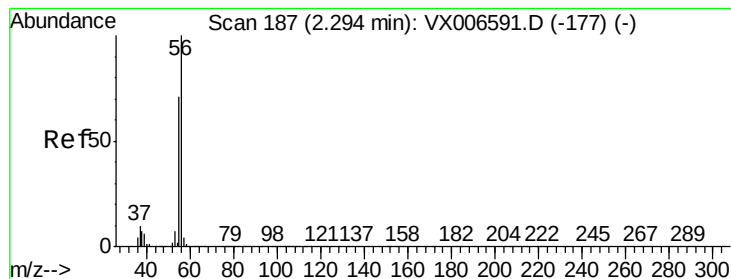
1000

500

0

Time--> 1.65 1.70 1.75





#13

Acrolein

Concen: 0.362 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX006611.D

Acq: 18 Dec 2018 22:05

Instrument :

MSVOA_X

ClientSampled :

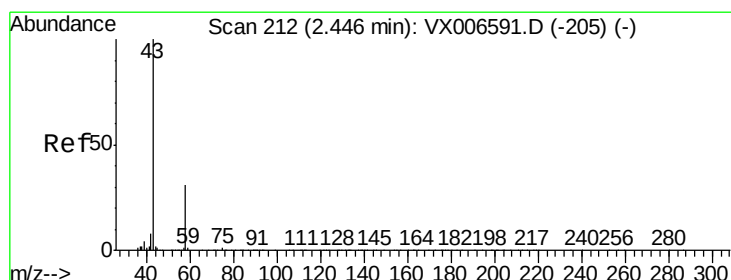
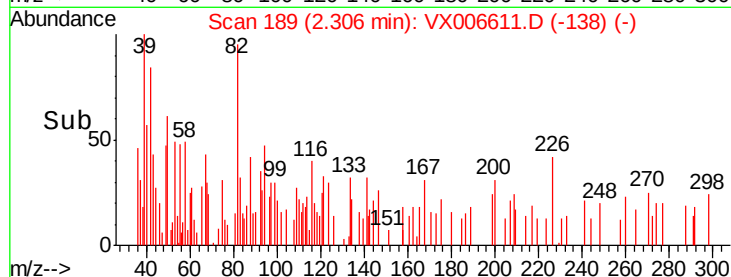
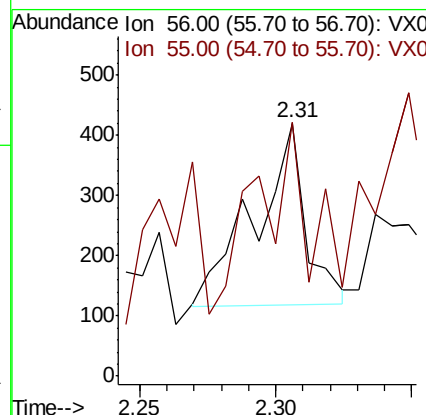
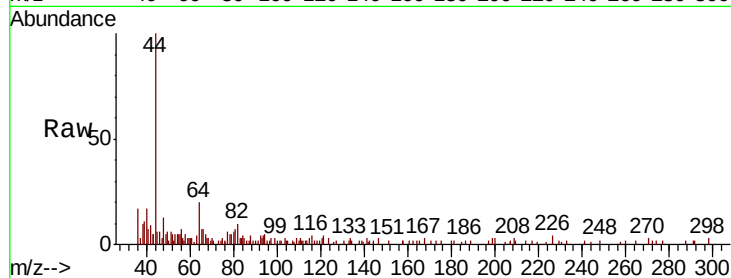
VX1218WBL02

Tot Ion: 56 Resp: 392

Ion Ratio Lower Upper

56 100

55 71.2 57.8 86.6



#16

Acetone

Concen: 0.240 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006611.D

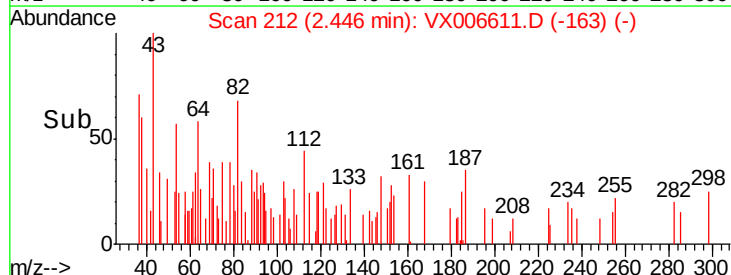
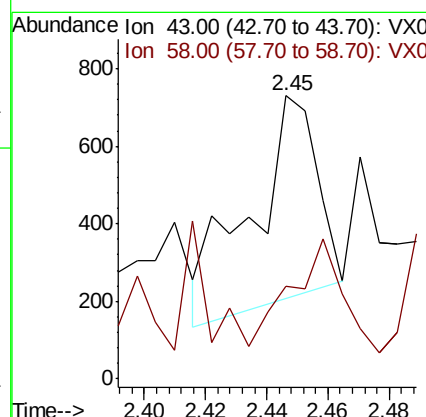
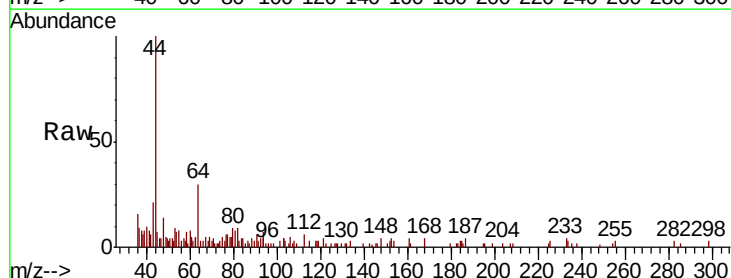
Acq: 18 Dec 2018 22:05

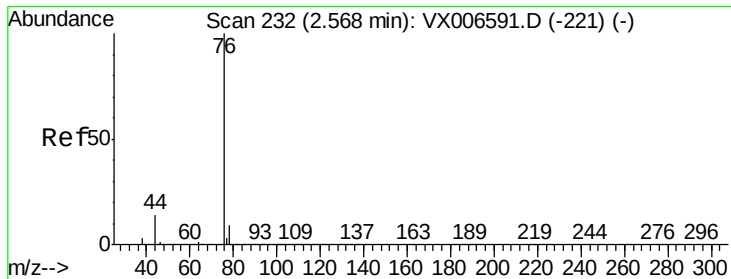
Tgt Ion: 43 Resp: 793

Ion Ratio Lower Upper

43 100

58 3.8 24.0 36.0#





#17

Carbon Disulfide

Concen: 0.205 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006611.D

Acq: 18 Dec 2018 22:05

Instrument :

MSVOA_X

ClientSampleId :

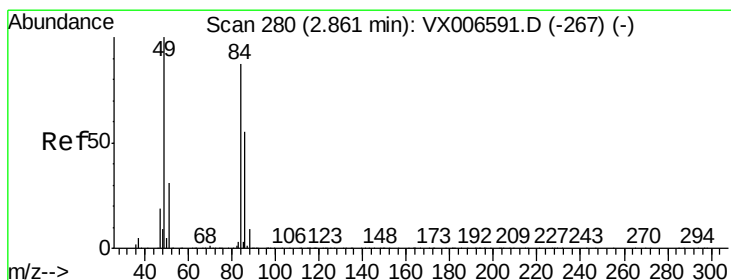
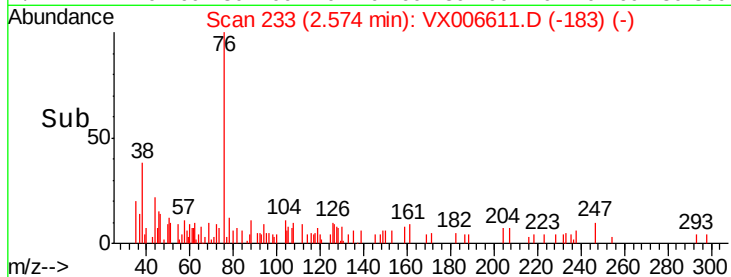
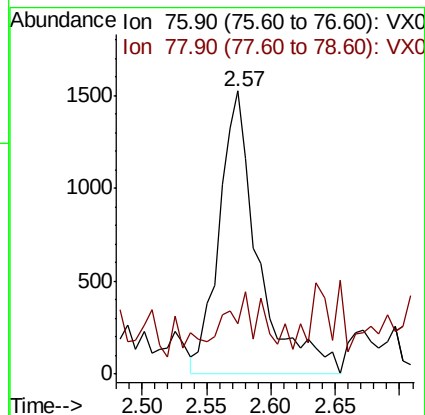
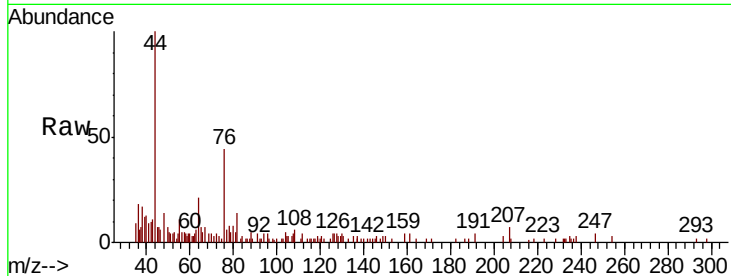
VX1218WBL02

Tot Ion: 76 Resp: 3233

Ion Ratio Lower Upper

76 100

78 3.0 7.1 10.7#



#20

Methylene Chloride

Concen: 0.251 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX006611.D

Acq: 18 Dec 2018 22:05

Tgt Ion: 84 Resp: 1712

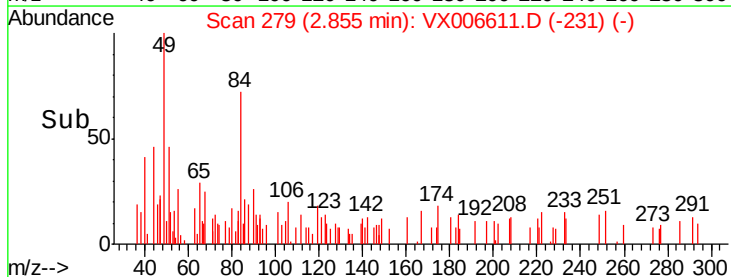
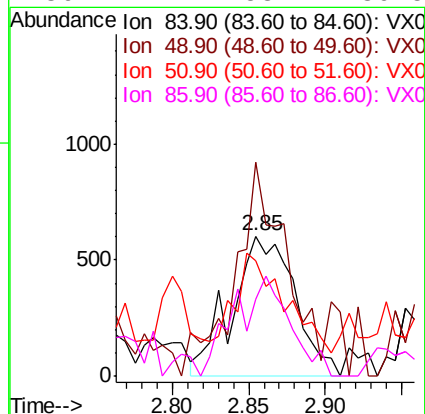
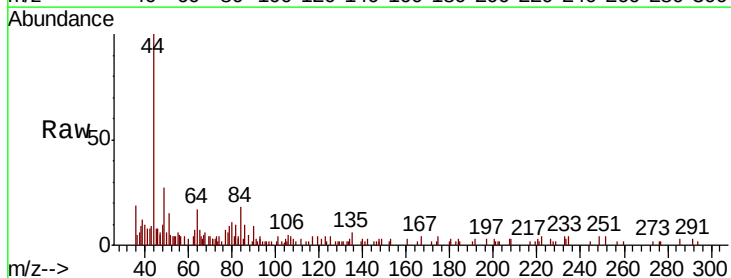
Ion Ratio Lower Upper

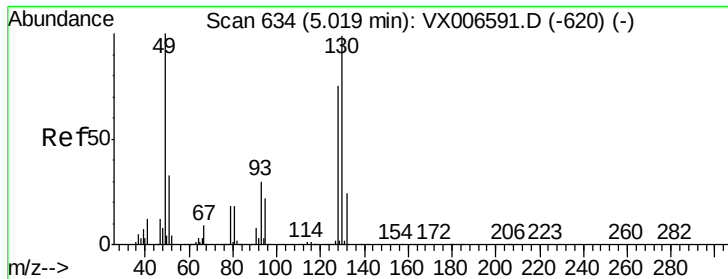
84 100

49 121.5 102.2 153.4

51 54.0 31.1 46.7#

86 41.1 53.7 80.5#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX006611.D

Acq: 18 Dec 2018 22:05

Instrument :

MSVOA_X

ClientSampled :

VX1218WBL02

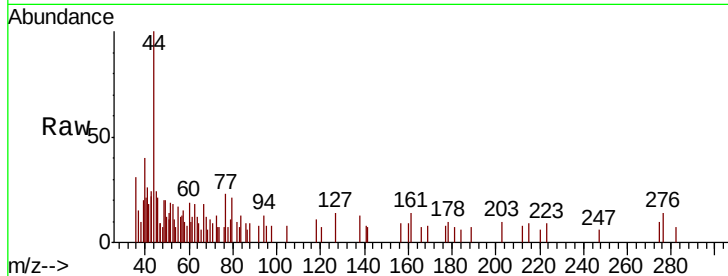
Tot Ion: 49 Resp: 434

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.0

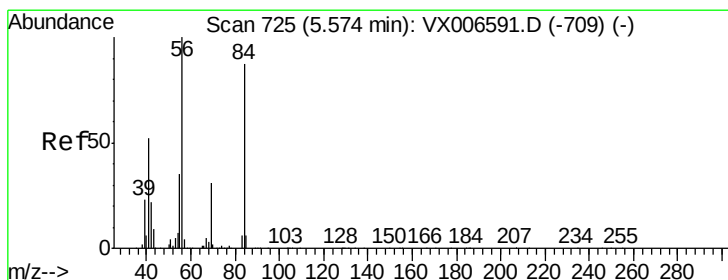
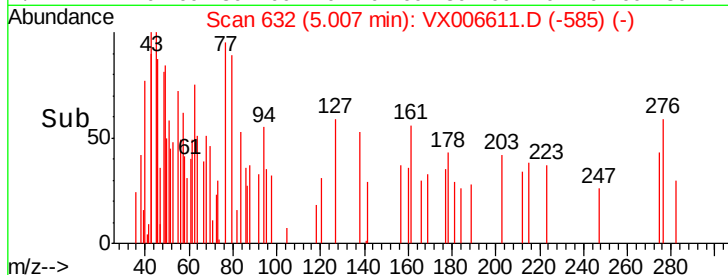
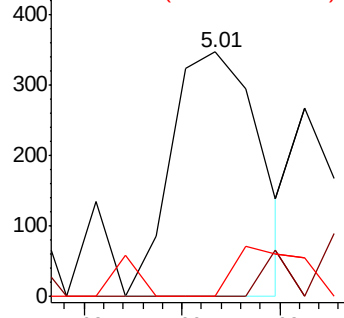
130 15.4 78.3 117.5#



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



#31

Cyclohexane

Concen: 1.148 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX006611.D

Acq: 18 Dec 2018 22:05

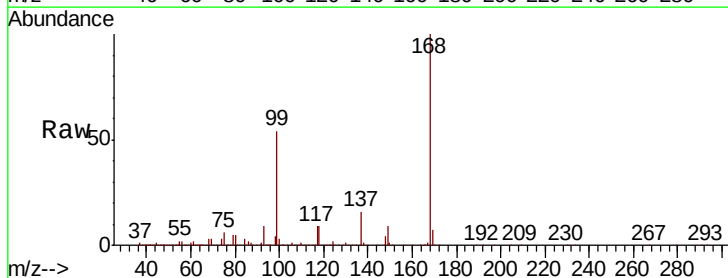
Tgt Ion: 56 Resp: 11428

Ion Ratio Lower Upper

56 100

69 150.1 24.5 36.7#

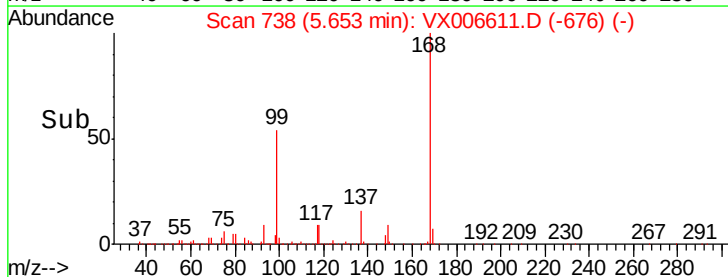
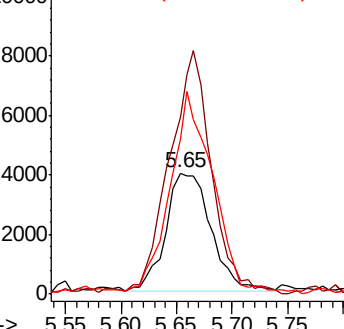
84 135.7 71.8 107.6#

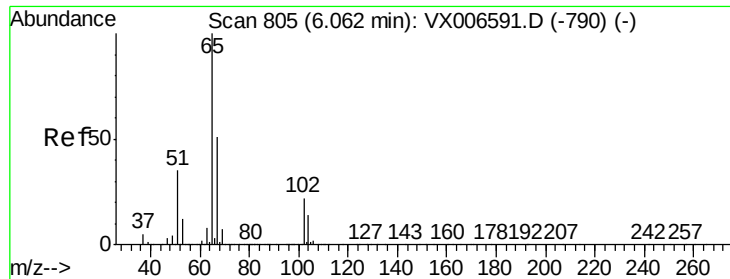


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

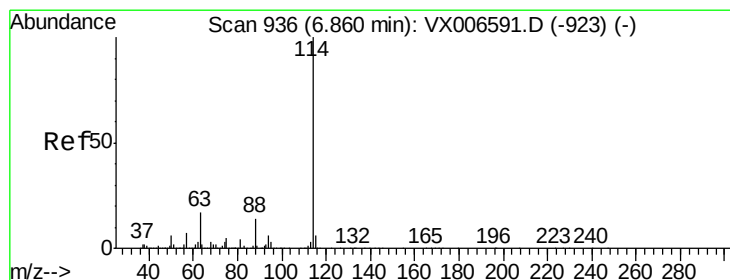
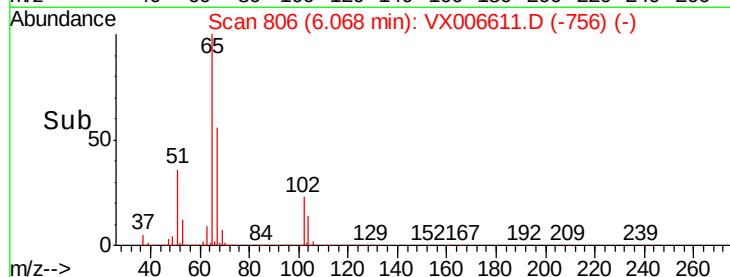
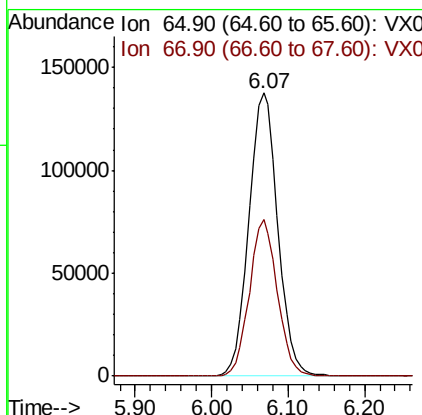
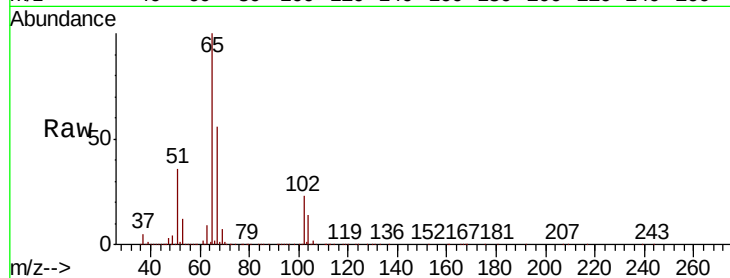




#33
 1,2-Dichloroethane-d4
 Concen: 50.395 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006611.D
 Acq: 18 Dec 2018 22:05

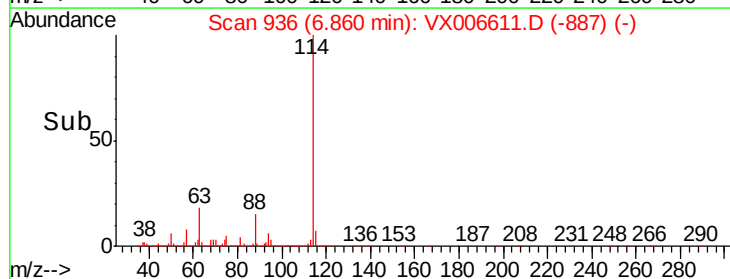
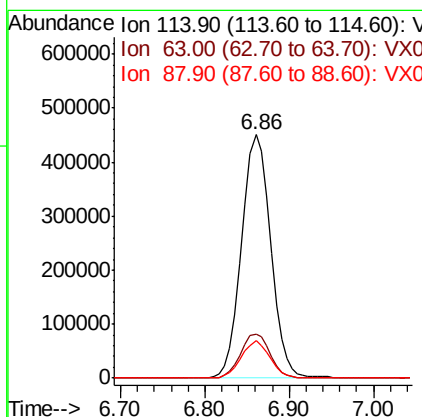
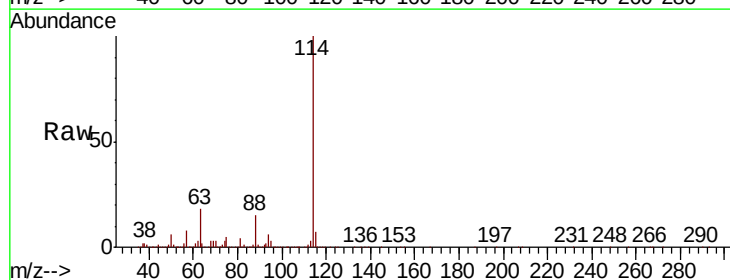
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1218WBL02

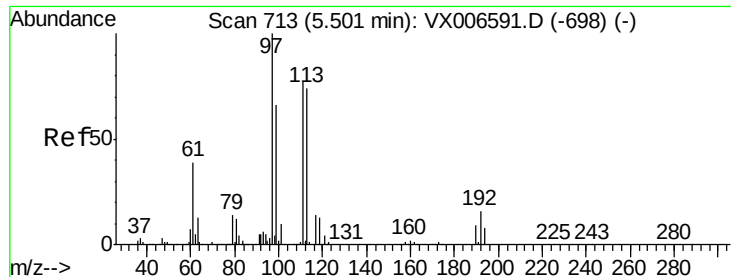
Tot Ion: 65 Resp: 362372
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006611.D
 Acq: 18 Dec 2018 22:05

Tgt Ion: 114 Resp: 1054305
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.6
 88 15.4 0.0 29.0





#35

Dibromofluoromethane

Concen: 47.178 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006611.D

Acq: 18 Dec 2018 22:05

Instrument :

MSVOA_X

ClientSampleId :

VX1218WBL02

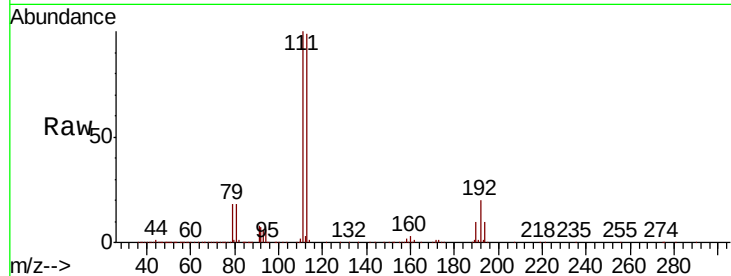
Tot Ion:113 Resp: 314548

Ion Ratio Lower Upper

113 100

111 102.2 81.1 121.7

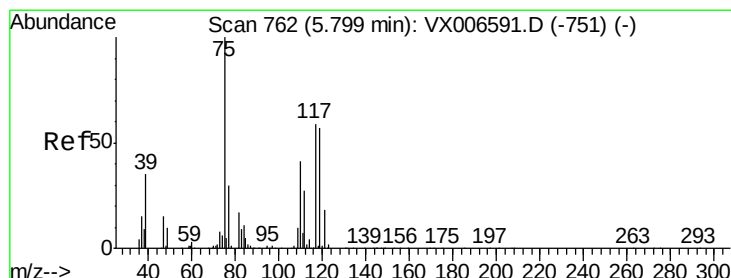
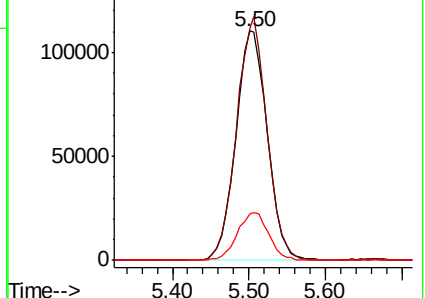
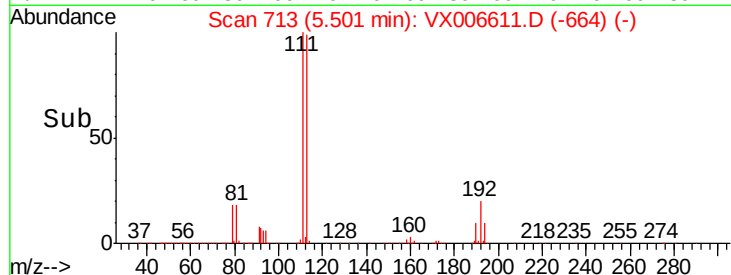
192 20.9 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.098 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006611.D

Acq: 18 Dec 2018 22:05

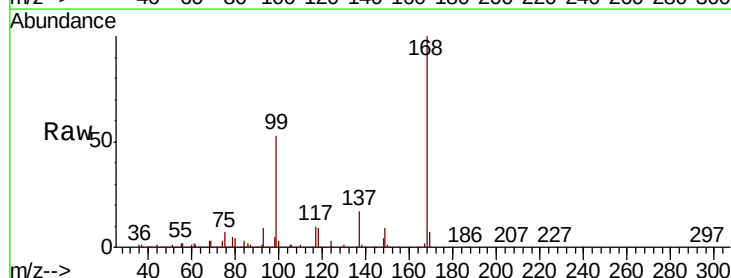
Tgt Ion: 75 Resp: 44515

Ion Ratio Lower Upper

75 100

110 0.0 20.4 61.3#

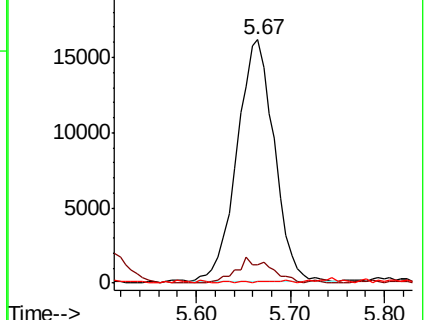
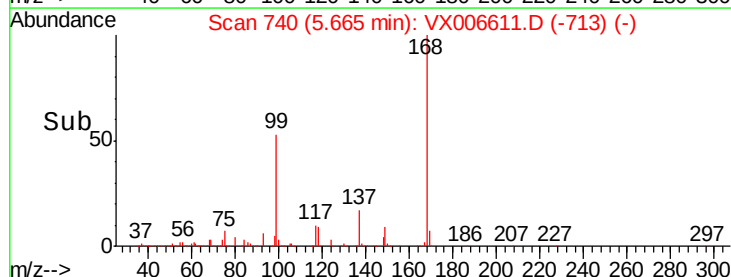
77 0.3 24.9 37.3#

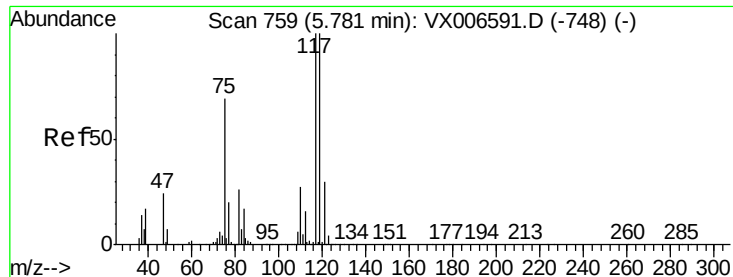


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.424 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006611.D

Acq: 18 Dec 2018 22:05

Instrument :

MSVOA_X

ClientSampleId :

VX1218WBL02

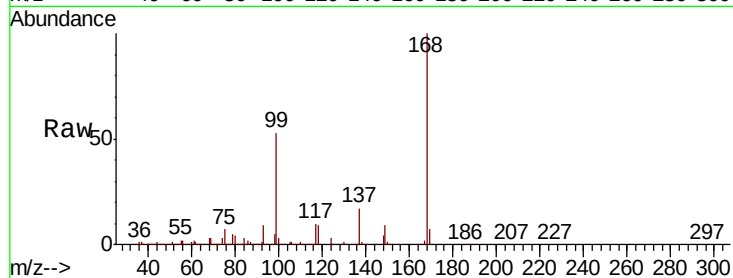
Tot Ion:117 Resp: 62999

Ion Ratio Lower Upper

117 100

119 4.1 75.8 113.8#

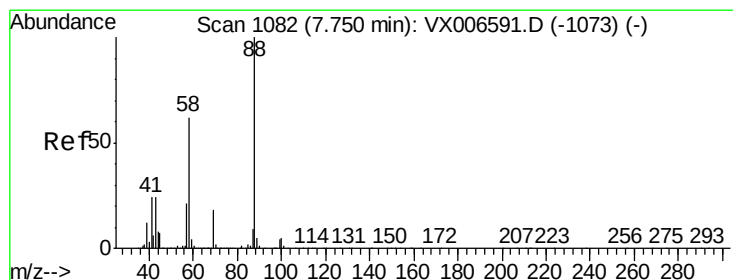
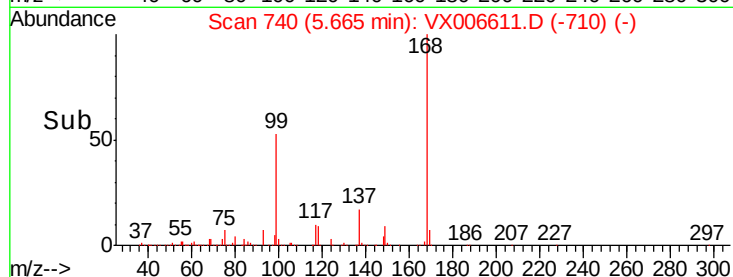
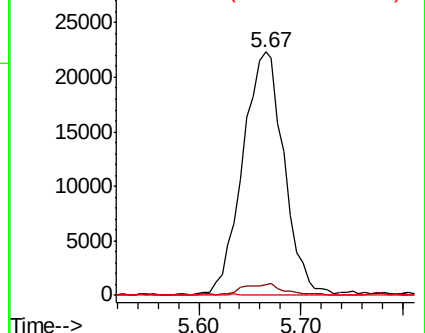
121 0.0 24.6 37.0#



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: 7.73 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VX006611.D

Acq: 18 Dec 2018 22:05

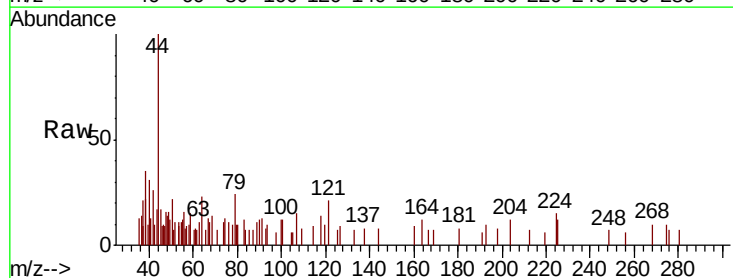
Tgt Ion: 88 Resp: 69

Ion Ratio Lower Upper

88 100

43 295.7 23.2 34.8#

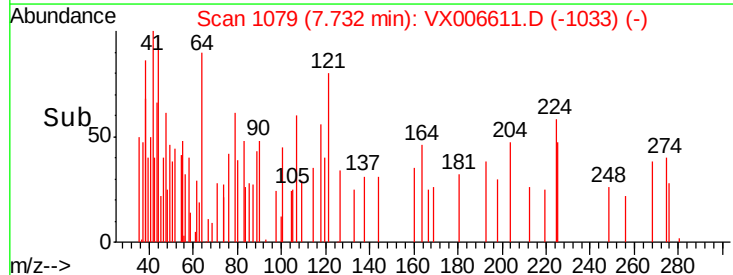
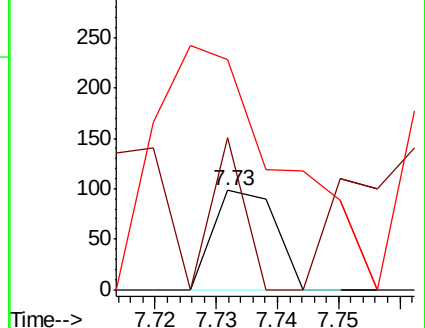
58 510.1 51.4 77.0#

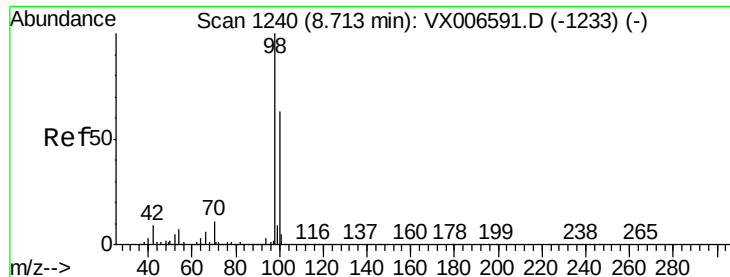


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.250 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006611.D

Acq: 18 Dec 2018 22:05

Instrument :

MSVOA_X

ClientSampleId :

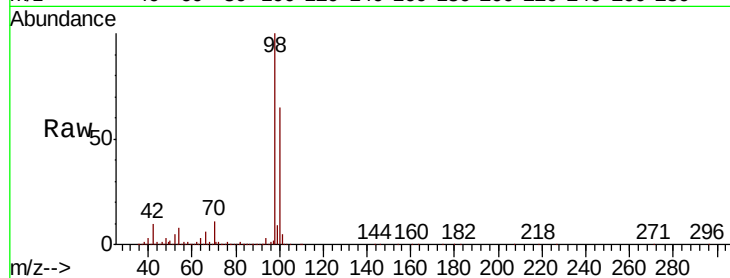
VX1218WBL02

Tot Ion: 98 Resp: 1237930

Ion Ratio Lower Upper

98 100

100 64.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX006611.D (-1191) (-)

Ion 100.00 (99.70 to 100.70): VX006611.D (-1191) (-)

8.71

800000

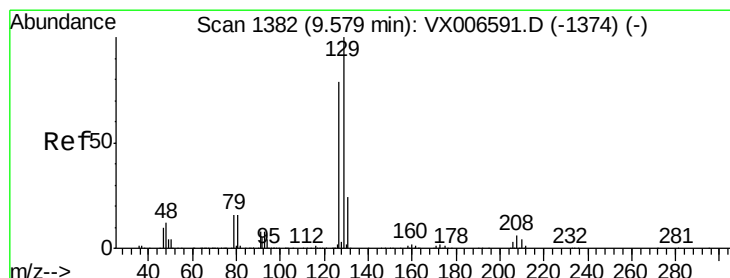
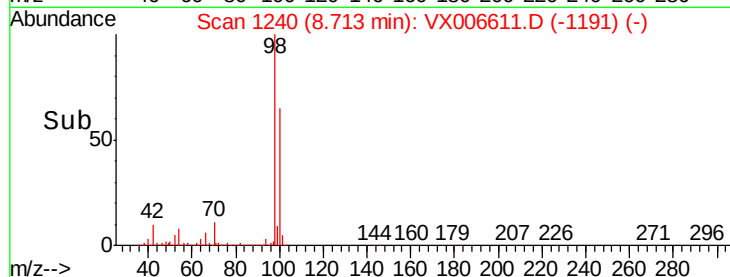
600000

400000

200000

0

Time--> 8.60 8.70 8.80



#60

Dibromochloromethane

Concen: 2.335 ug/l

RT: 9.52 min Scan# 1373

Delta R.T. -0.05 min

Lab File: VX006611.D

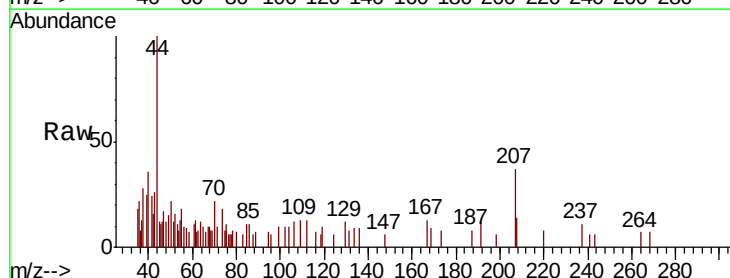
Acq: 18 Dec 2018 22:05

Tgt Ion: 129 Resp: 83

Ion Ratio Lower Upper

129 100

127 103.6 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): VX006611.D (-1333) (-)

Ion 126.80 (126.50 to 127.50): VX006611.D (-1333) (-)

9.52

120

100

80

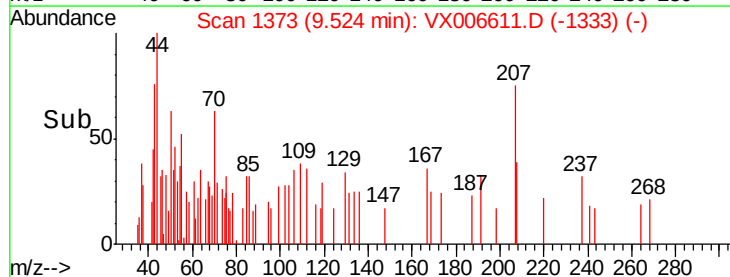
60

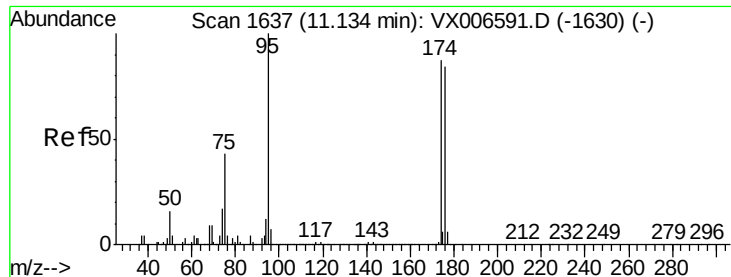
40

20

0

Time--> 9.50 9.52 9.54 9.56

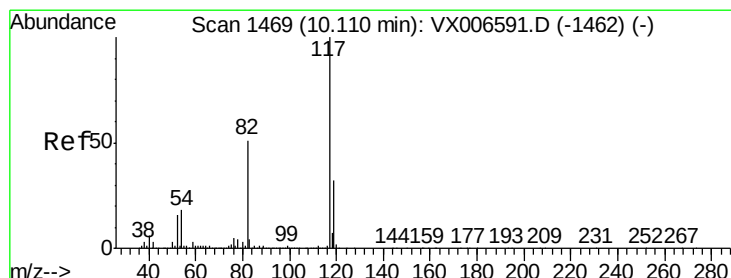
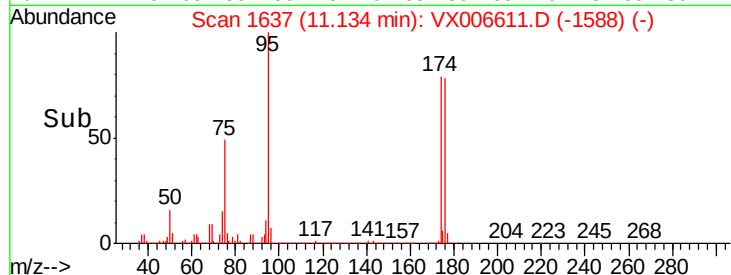
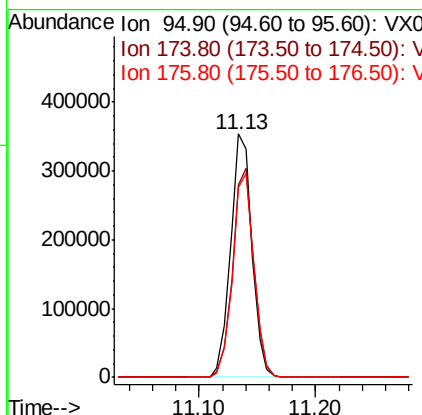
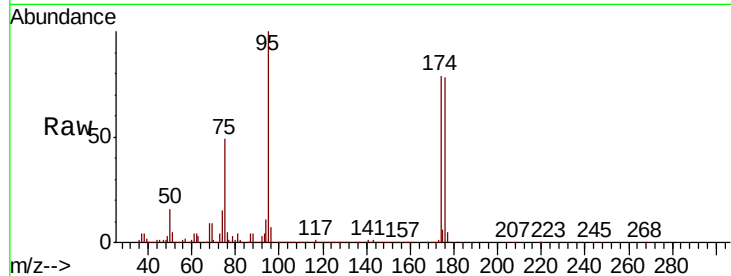




#62
4-Bromofluorobenzene
Concen: 49.151 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX006611.D
Acq: 18 Dec 2018 22:05

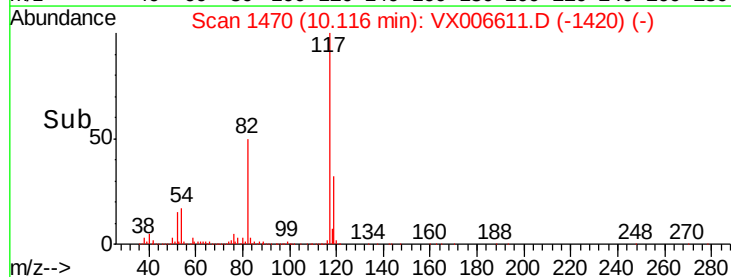
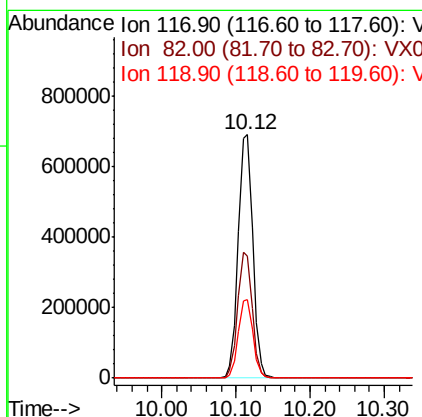
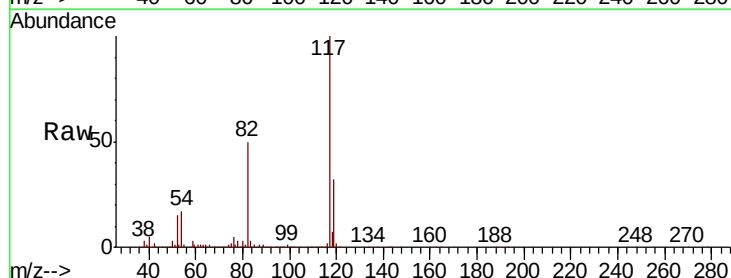
Instrument :
MSVOA_X
ClientSampleId :
VX1218WBL02

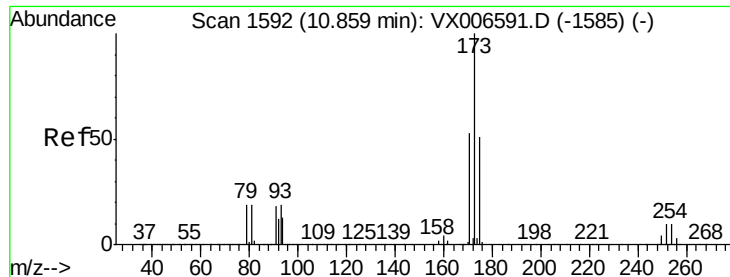
Tot Ion: 95 Resp: 452472
Ion Ratio Lower Upper
95 100
174 85.4 0.0 187.0
176 83.9 0.0 181.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006611.D
Acq: 18 Dec 2018 22:05

Tgt Ion: 117 Resp: 960961
Ion Ratio Lower Upper
117 100
82 50.3 39.6 59.4
119 32.4 26.3 39.5





#71

Bromoform

Concen: 4.486 ug/l

RT: 10.88 min Scan# 1595

Delta R.T. 0.02 min

Lab File: VX006611.D

Acq: 18 Dec 2018 22:05

Instrument :

MSVOA_X

ClientSampled :

VX1218WBL02

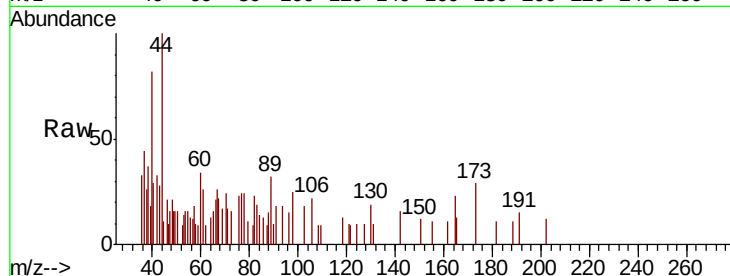
Tot Ion:173 Resp: 161

Ion Ratio Lower Upper

173 100

175 0.0 24.6 73.8#

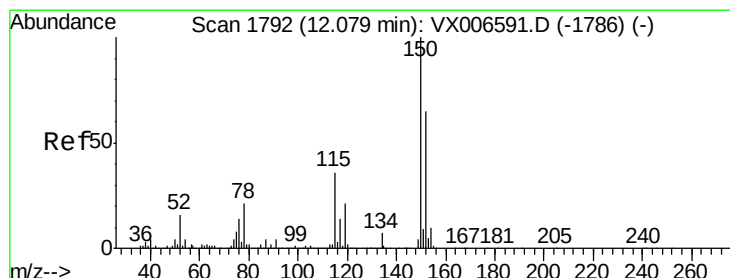
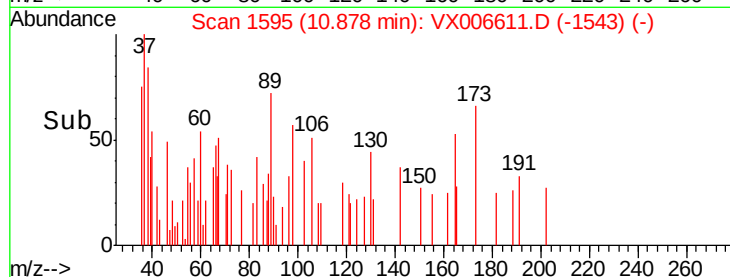
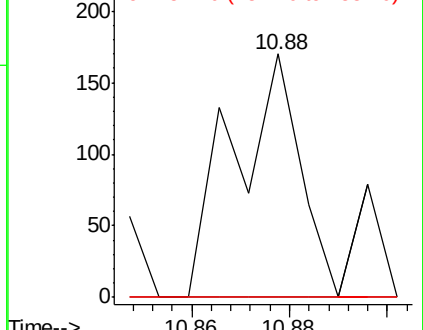
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX006611.D

Acq: 18 Dec 2018 22:05

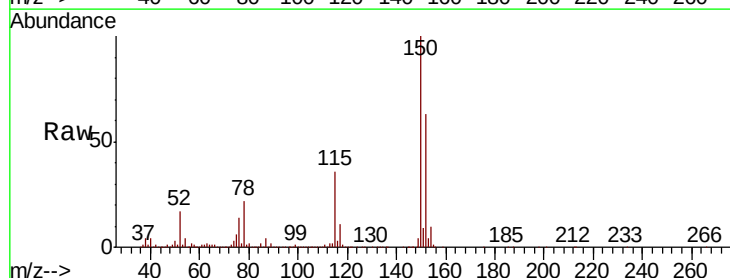
Tgt Ion:152 Resp: 454963

Ion Ratio Lower Upper

152 100

115 57.0 39.0 116.9

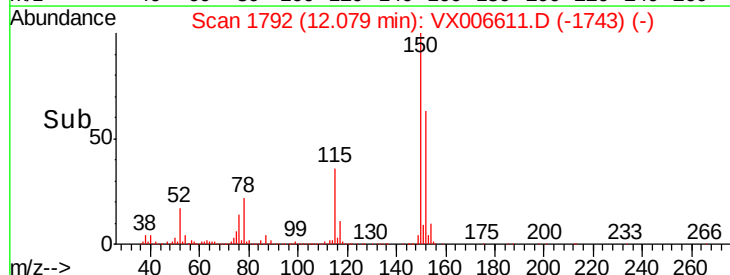
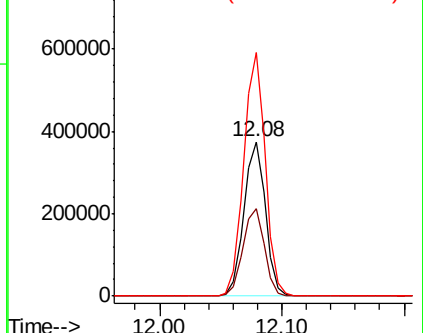
150 157.8 0.0 345.8

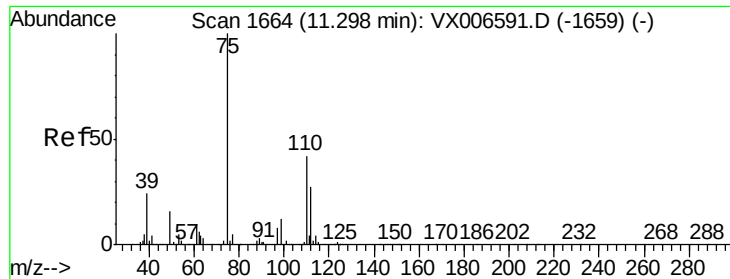


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.908 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006611.D

Acq: 18 Dec 2018 22:05

Instrument :

MSVOA_X

ClientSampleId :

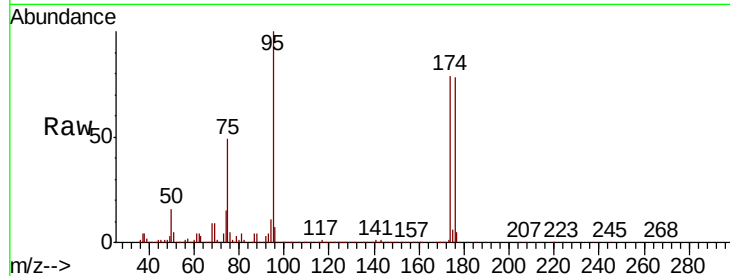
VX1218WBL02

Tot Ion: 75 Resp: 214565

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

200000

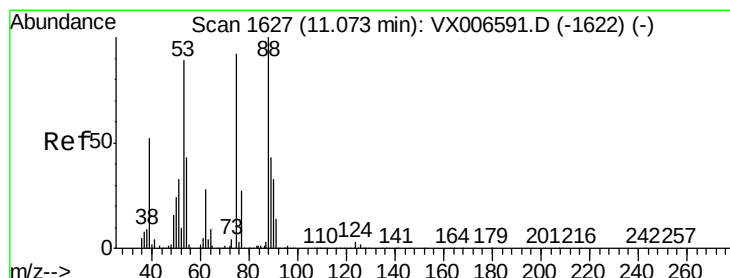
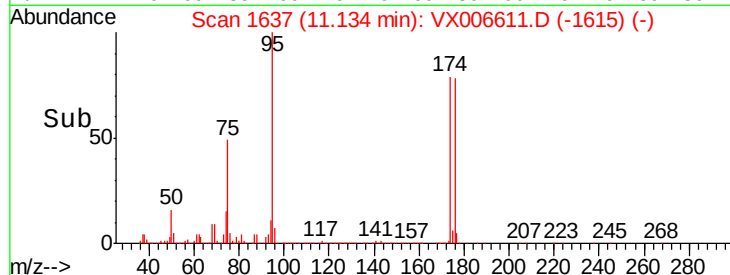
150000

100000

50000

0

Time--> 11.00 11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 74.924 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006611.D

Acq: 18 Dec 2018 22:05

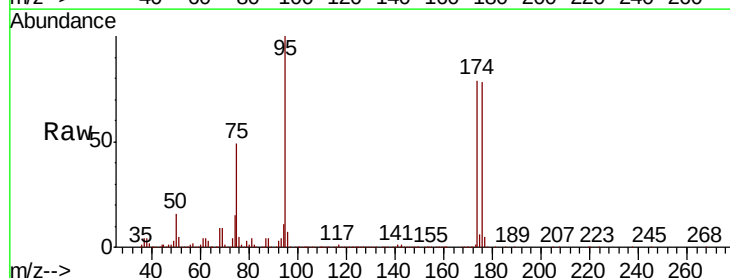
Tgt Ion: 75 Resp: 214565

Ion Ratio Lower Upper

75 100

53 0.2 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

200000

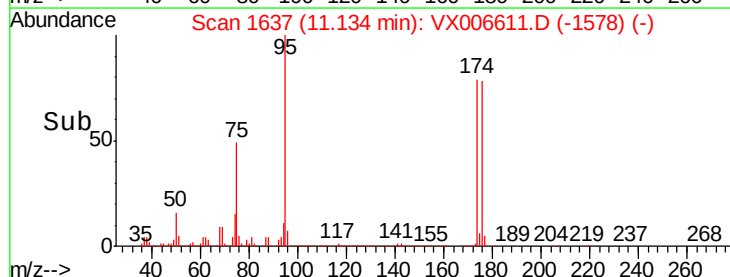
150000

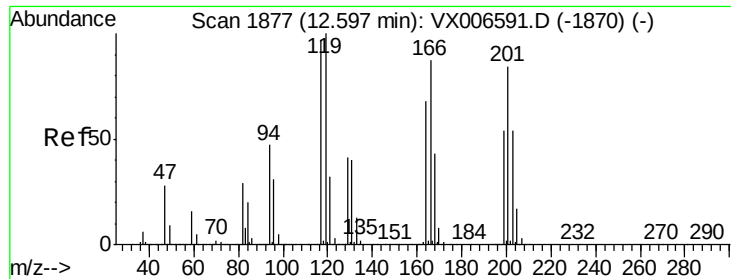
100000

50000

0

Time--> 11.00 11.10 11.20





#90

Hexachloroethane

Concen: 3.313 ug/l

RT: 12.69 min Scan# 1892

Delta R.T. 0.09 min

Lab File: VX006611.D

Acq: 18 Dec 2018 22:05

Instrument :

MSVOA_X

ClientSampleId :

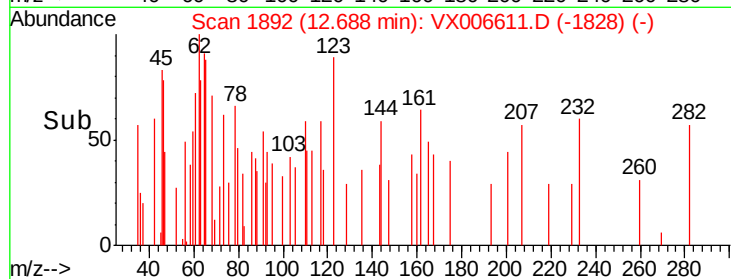
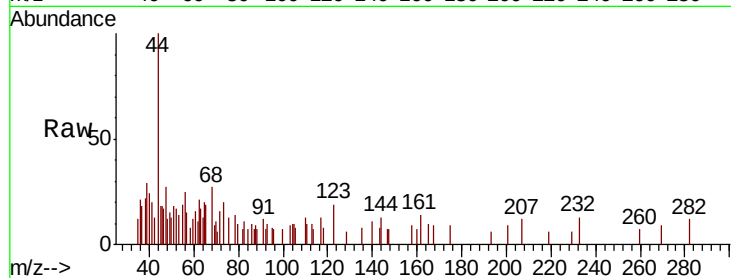
VX1218WBL02

Tot Ion:117 Resp: 90

Ion Ratio Lower Upper

117 100

201 57.8 44.7 134.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

