

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122418\
 Data File : VX006782.D
 Acq On : 24 Dec 2018 09:32
 Operator : JC/MD
 Sample : VX1224WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224WBL01

Quant Time: Dec 25 01:16:35 2018
 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	5.67	168	684639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1036939	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	951924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	450475	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	353232	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
35) Dibromofluoromethane	5.50	113	318265	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
50) Toluene-d8	8.71	98	1211621	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
62) 4-Bromofluorobenzene	11.13	95	433446	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	

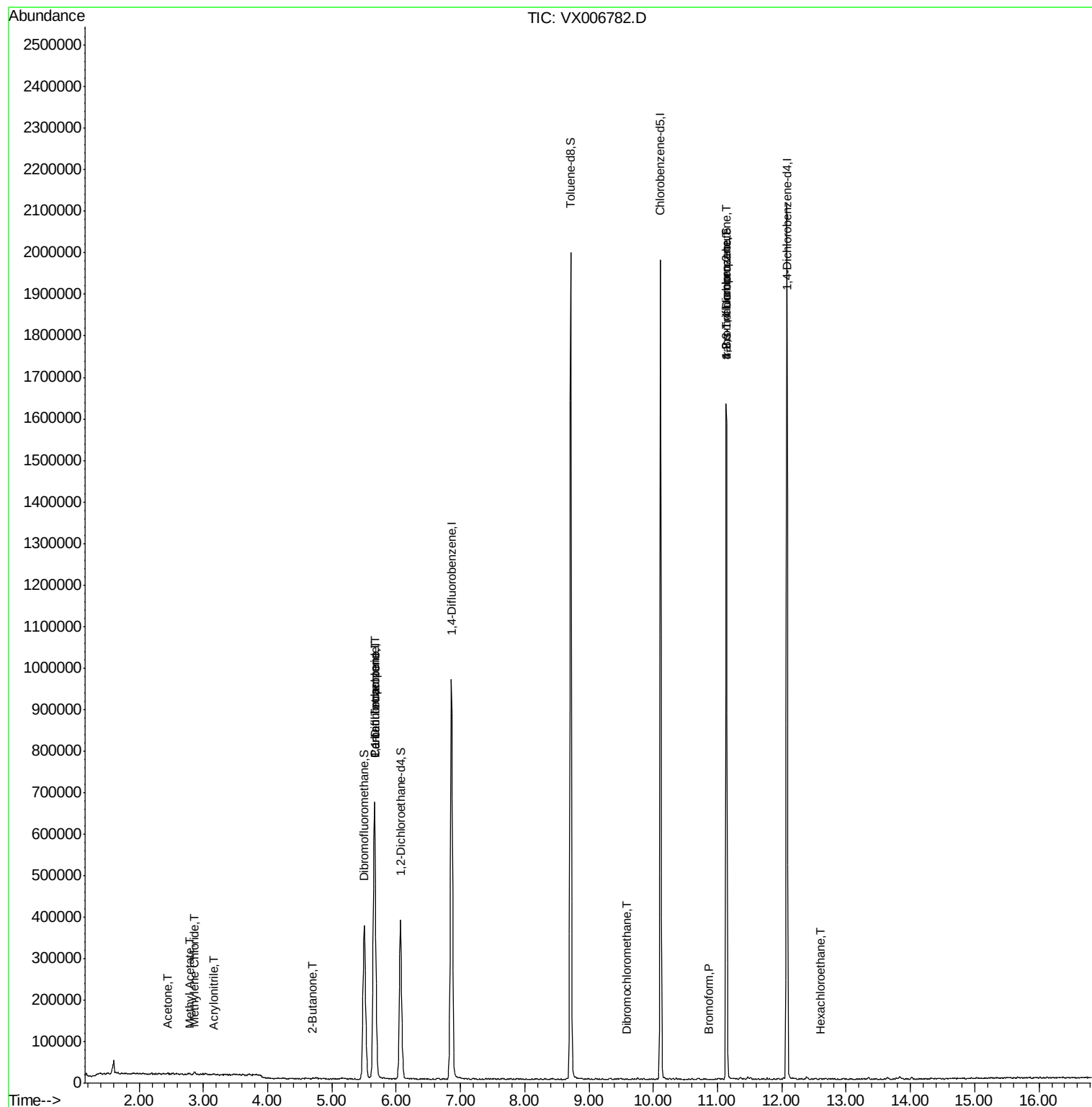
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1654	Below Cal		82
15) Acrylonitrile	3.15	53	2001	0.547 ug/l #		86
16) Acetone	2.44	43	1530	0.451 ug/l #		43
18) Methyl Acetate	2.78	43	2389	0.240 ug/l #		73
20) Methylene Chloride	2.87	84	4215	0.601 ug/l #		88
25) 2-Butanone	4.70	43	993	0.208 ug/l		99
28) Bromochloromethane	5.03	49	534	Below Cal #		42
36) 1,1-Dichloropropene	5.66	75	44461	5.177 ug/l #		48
38) Carbon Tetrachloride	5.67	117	63279	7.582 ug/l #		15
49) 1,4-Dioxane	7.75	88	383	Below Cal #		41
60) Dibromochloromethane	9.59	129	142	2.343 ug/l		87
71) Bromoform	10.85	173	195	4.491 ug/l #		28
76) 1,2,3-Trichloropropane	11.13	75	200519	23.952 ug/l #		40
81) trans-1,4-Dichloro-2-buten	11.13	75	200519	70.955 ug/l #		10
90) Hexachloroethane	12.60	117	146	3.325 ug/l		56

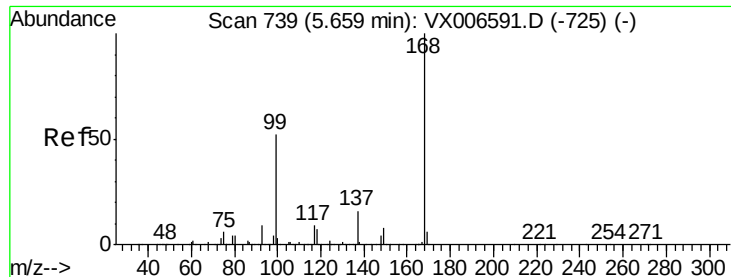
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122418\
Data File : VX006782.D
Acq On : 24 Dec 2018 09:32
Operator : JC/MD
Sample : VX1224WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX1224WBL01

Quant Time: Dec 25 01:16:35 2018
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: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006782.D

Acq: 24 Dec 2018 09:32

Instrument :

MSVOA_X

ClientSampleId :

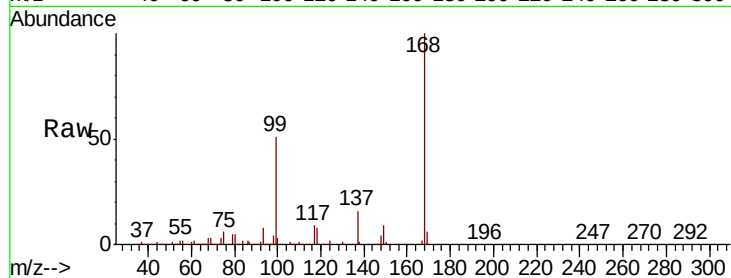
VX1224WBL01

Tot Ion:168 Resp: 684639

Ion Ratio Lower Upper

168 100

99 51.4 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

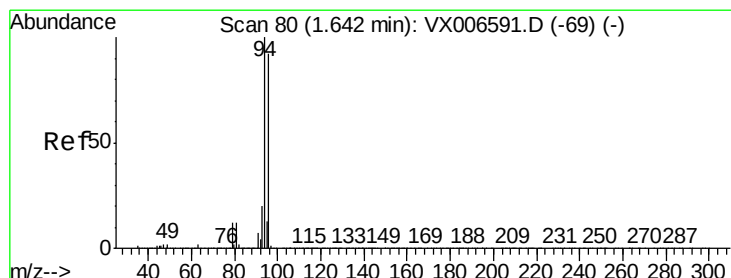
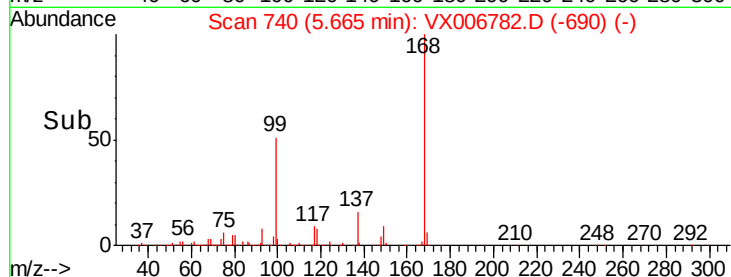
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX006782.D

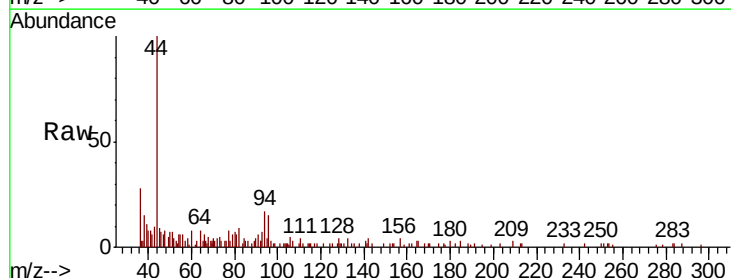
Acq: 24 Dec 2018 09:32

Tgt Ion: 94 Resp: 1654

Ion Ratio Lower Upper

94 100

96 74.4 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

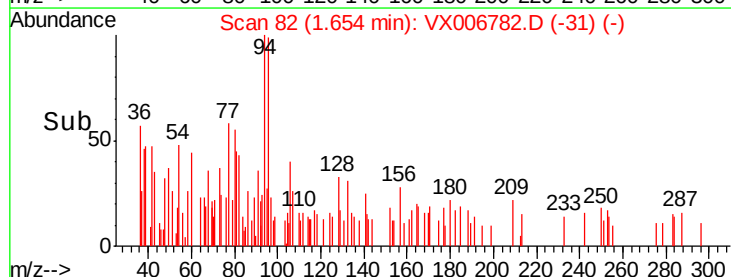
600

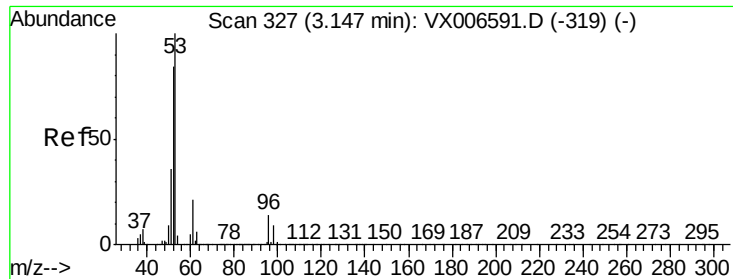
400

200

0

Time-->





#15

Acrylonitrile

Concen: 0.547 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006782.D

Acq: 24 Dec 2018 09:32

Instrument :

MSVOA_X

ClientSampled :

VX1224WBL01

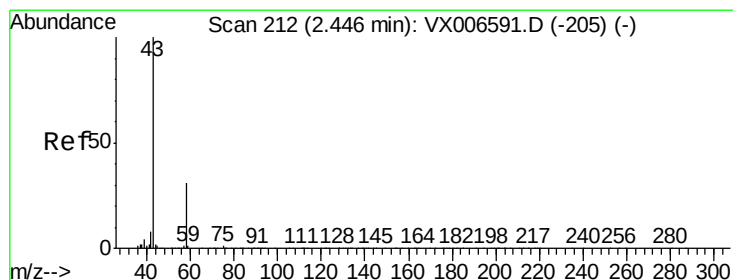
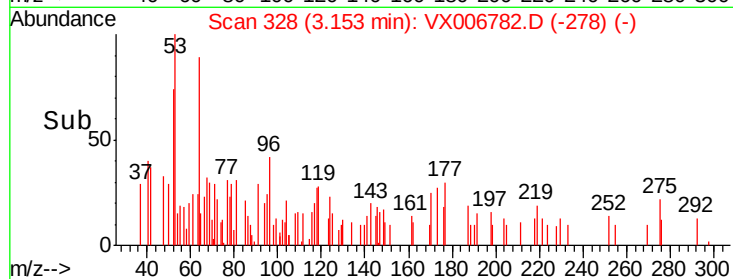
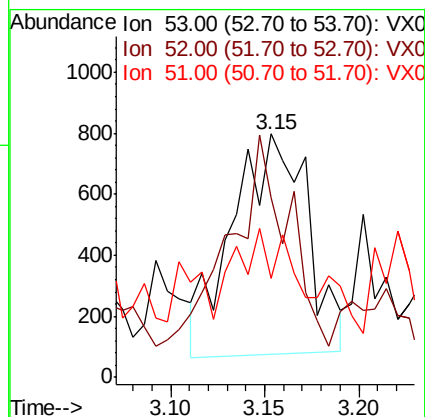
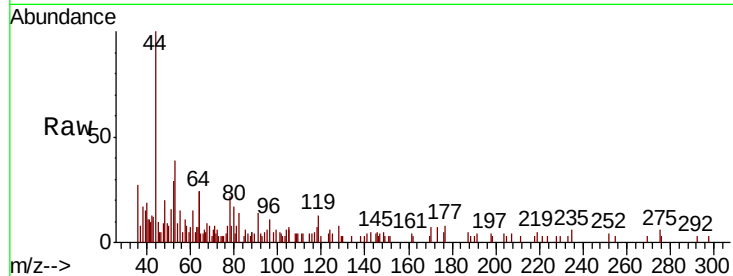
Tot Ion: 53 Resp: 2001

Ion Ratio Lower Upper

53 100

52 83.9 66.0 99.0

51 10.0 28.6 42.8#



#16

Acetone

Concen: 0.451 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX006782.D

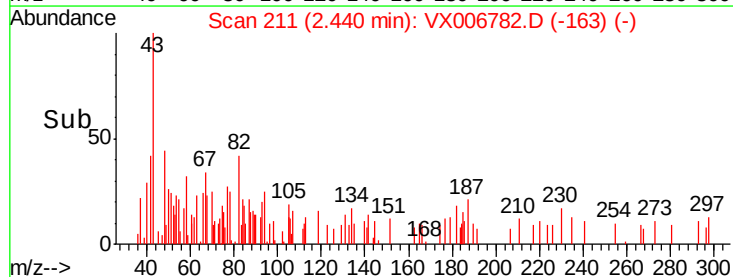
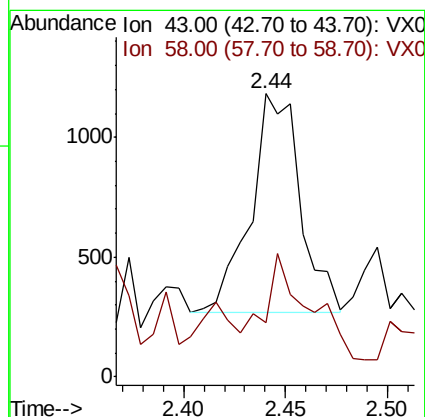
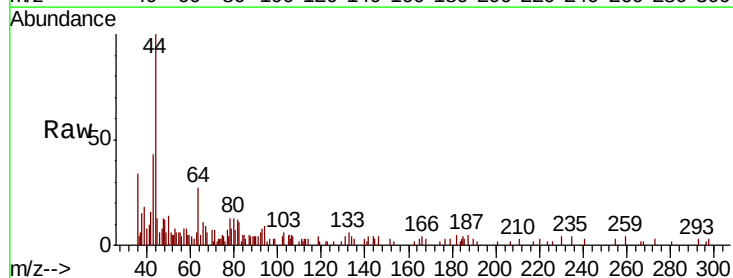
Acq: 24 Dec 2018 09:32

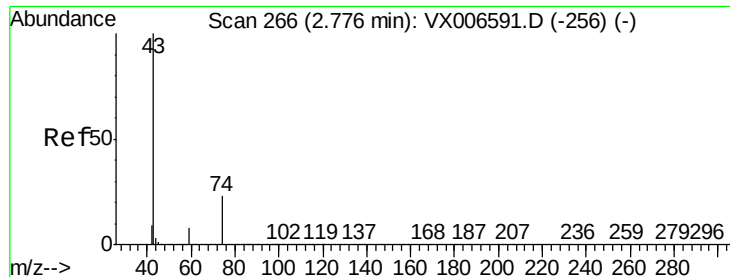
Tgt Ion: 43 Resp: 1530

Ion Ratio Lower Upper

43 100

58 0.0 25.0 37.6#

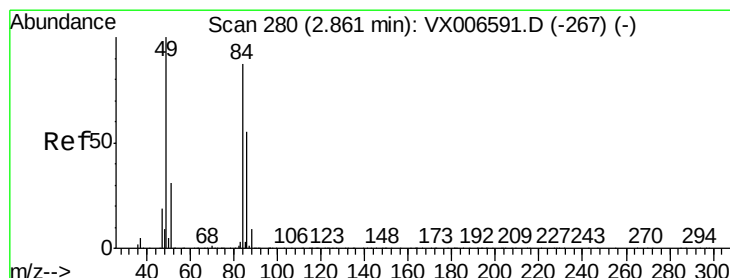
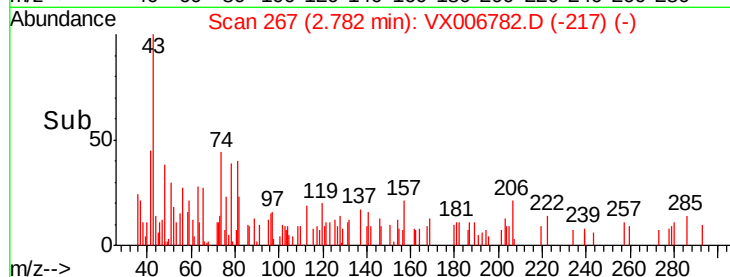
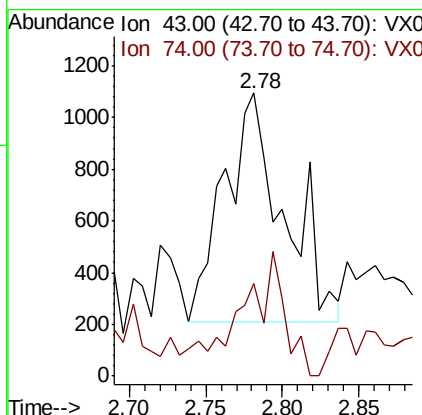
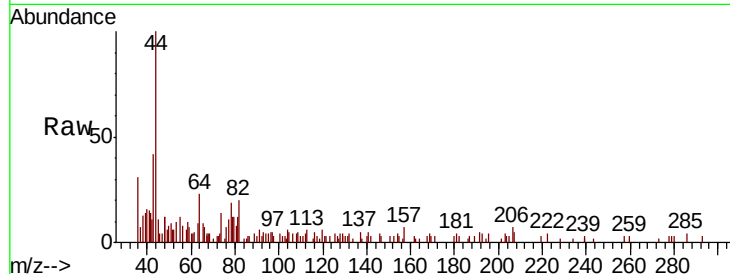




#18
Methyl Acetate
Concen: 0.240 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006782.D
Acq: 24 Dec 2018 09:32

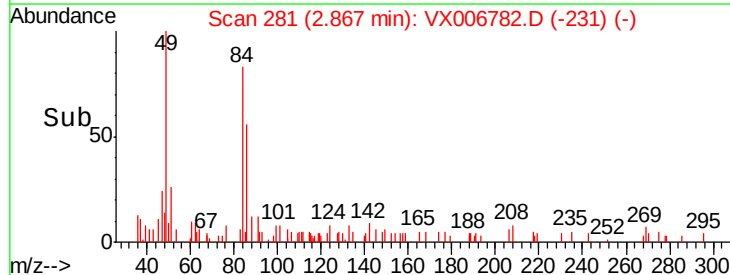
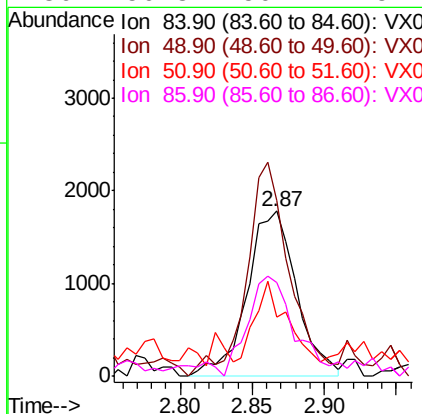
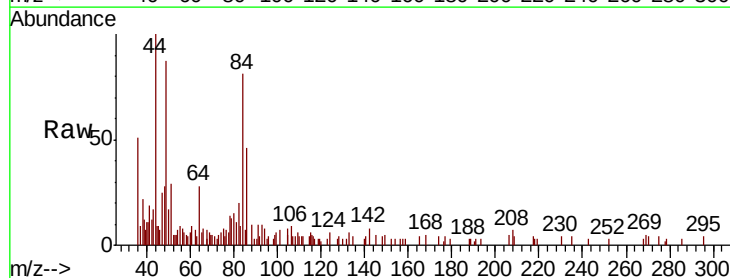
Instrument :
MSVOA_X
ClientSampled :
VX1224WBL01

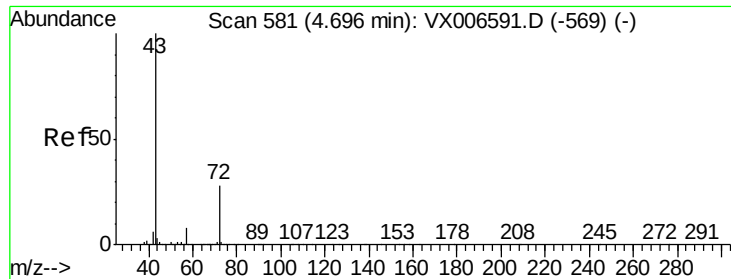
Tot Ion: 43 Resp: 2389
Ion Ratio Lower Upper
43 100
74 36.5 18.6 28.0#



#20
Methylene Chloride
Concen: 0.601 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX006782.D
Acq: 24 Dec 2018 09:32

Tgt Ion: 84 Resp: 4215
Ion Ratio Lower Upper
84 100
49 106.7 91.8 137.6
51 22.4 28.5 42.7#
86 50.8 50.2 75.2





#25

2-Butanone

Concen: 0.208 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006782.D

Acq: 24 Dec 2018 09:32

Instrument :

MSVOA_X

ClientSampled :

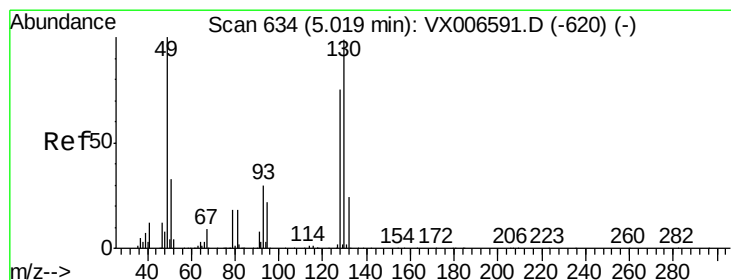
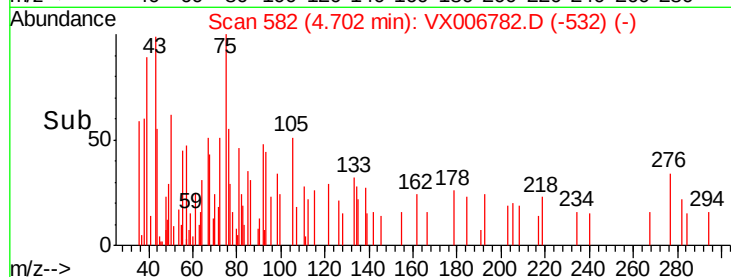
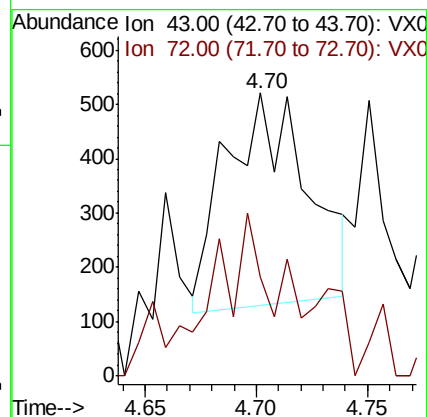
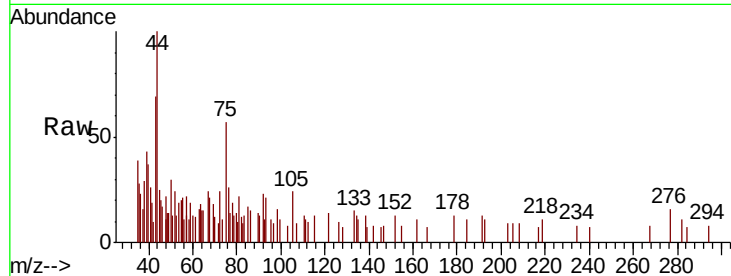
VX1224WBL01

Tot Ion: 43 Resp: 993

Ion Ratio Lower Upper

43 100

72 27.3 22.4 33.6



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.01 min

Lab File: VX006782.D

Acq: 24 Dec 2018 09:32

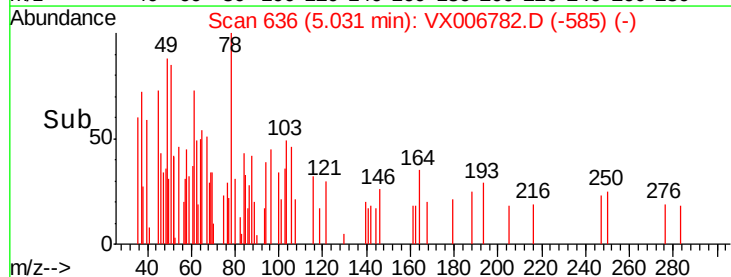
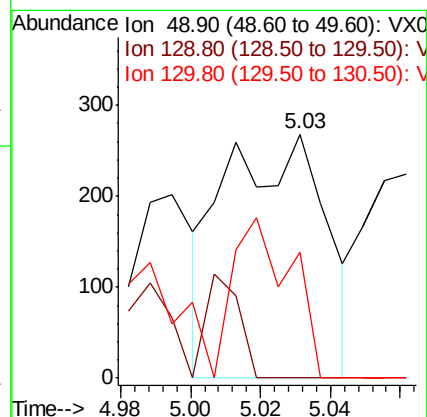
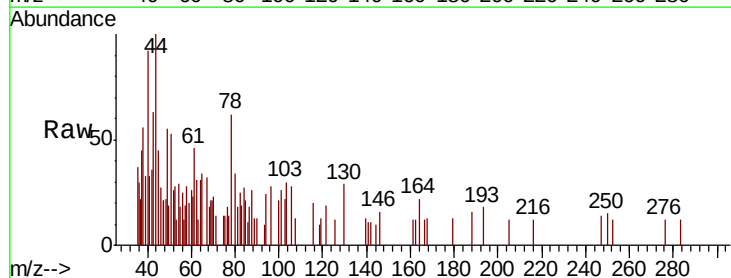
Tgt Ion: 49 Resp: 534

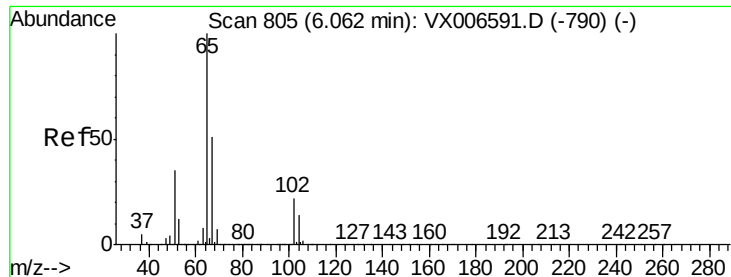
Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.4

130 38.2 77.7 116.5#

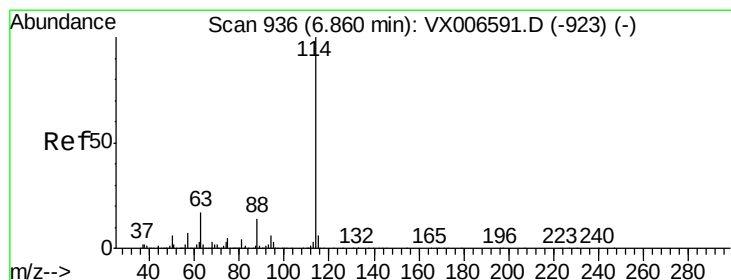
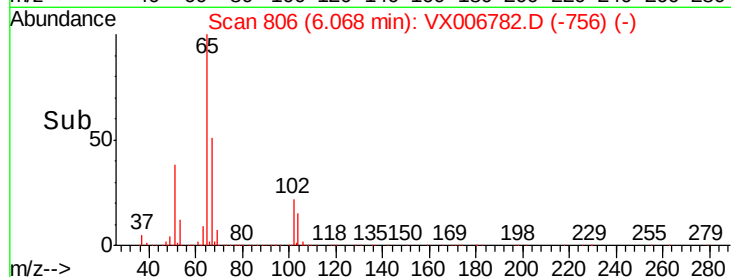
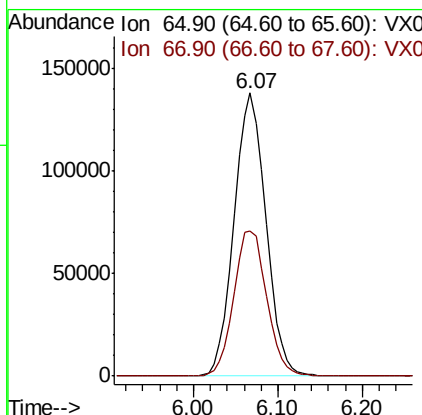
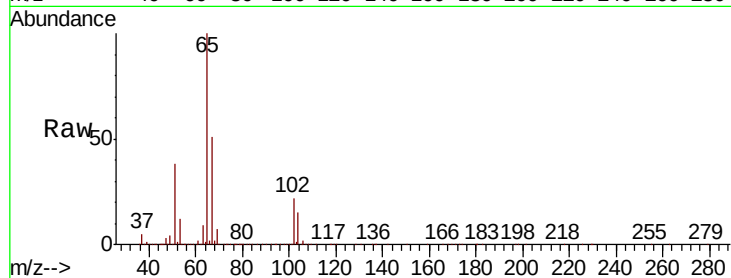




#33
 1,2-Dichloroethane-d4
 Concen: 47.872 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006782.D
 Acq: 24 Dec 2018 09:32

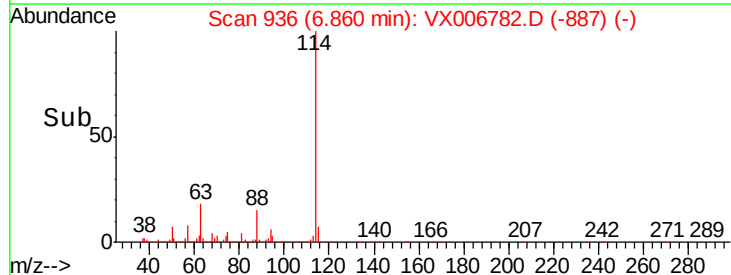
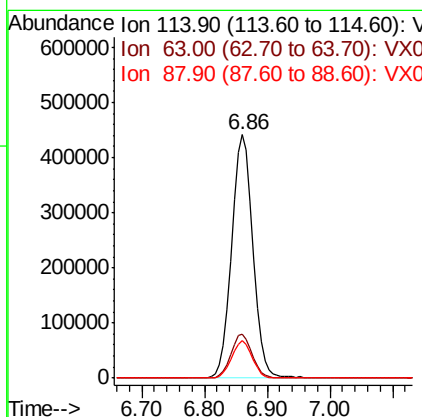
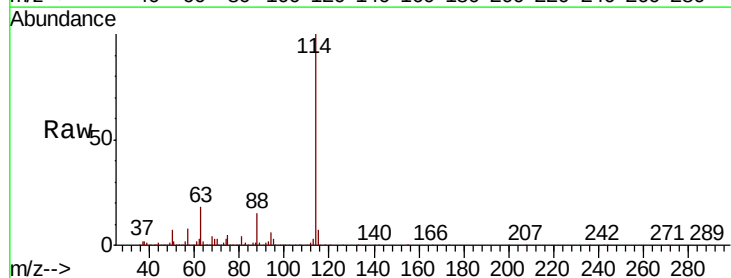
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224WBL01

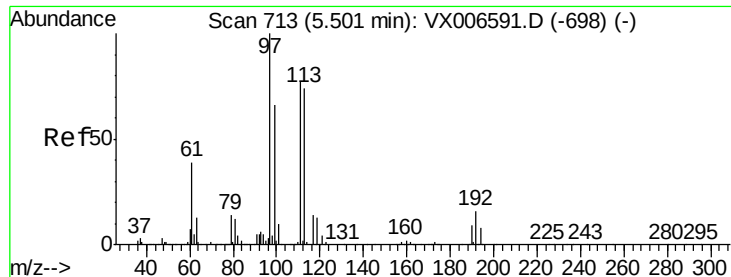
Tot Ion: 65 Resp: 353232
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006782.D
 Acq: 24 Dec 2018 09:32

Tgt Ion: 114 Resp: 1036939
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 34.8
 88 15.3 0.0 28.8





#35

Dibromofluoromethane

Concen: 48.535 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006782.D

Acq: 24 Dec 2018 09:32

Instrument :

MSVOA_X

ClientSampleId :

VX1224WBL01

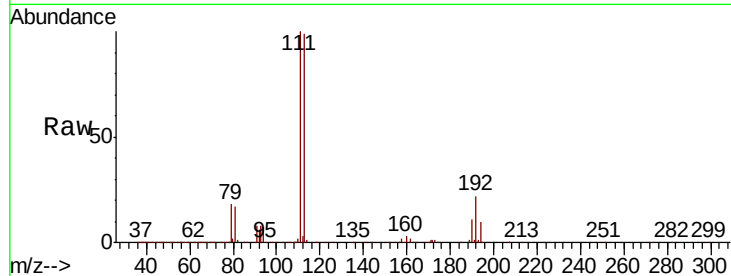
Tot Ion:113 Resp: 318265

Ion Ratio Lower Upper

113 100

111 101.7 81.6 122.4

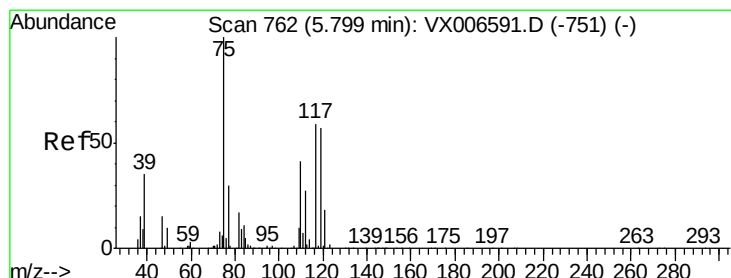
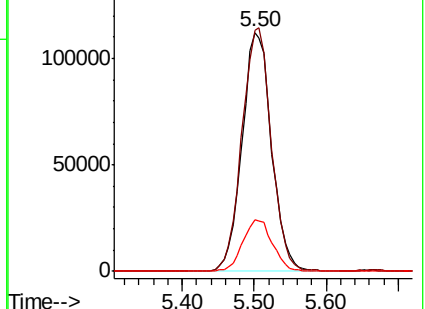
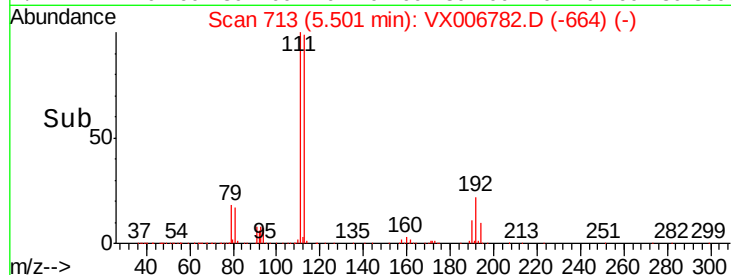
192 21.9 16.7 25.1



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: 5.177 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006782.D

Acq: 24 Dec 2018 09:32

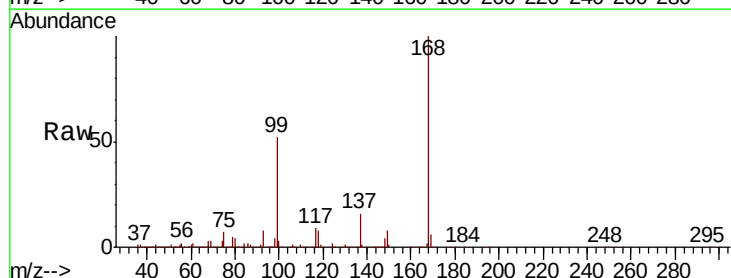
Tgt Ion: 75 Resp: 44461

Ion Ratio Lower Upper

75 100

110 10.4 20.2 60.5#

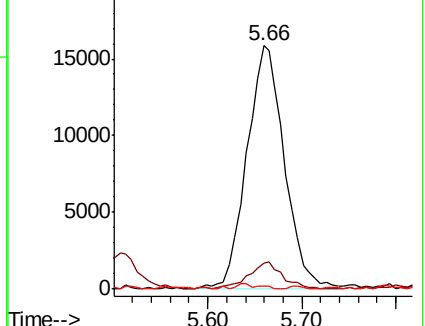
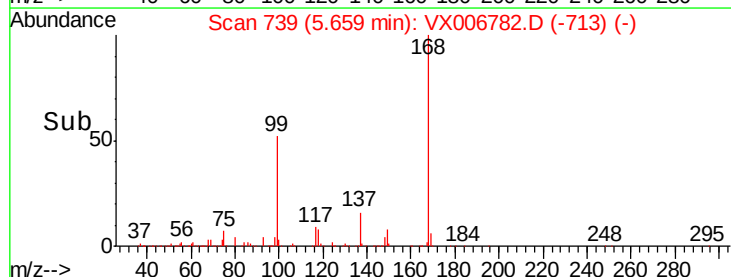
77 0.0 24.8 37.2#

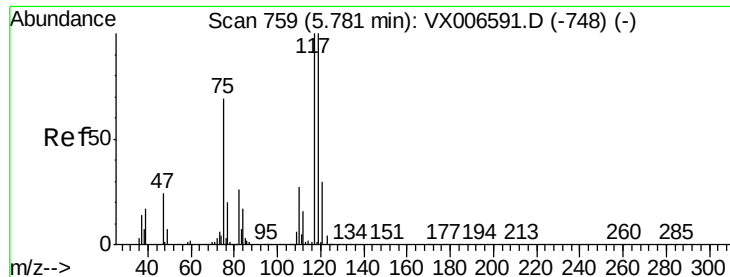


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.582 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006782.D

Acq: 24 Dec 2018 09:32

Instrument :

MSVOA_X

ClientSampleId :

VX1224WBL01

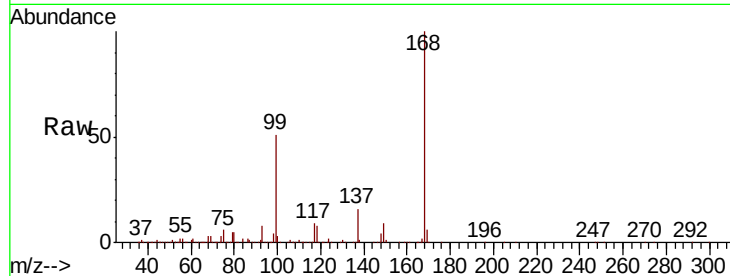
Tot Ion:117 Resp: 63279

Ion Ratio Lower Upper

117 100

119 4.8 79.4 119.2#

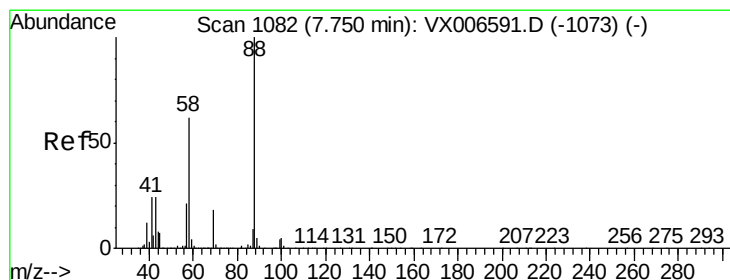
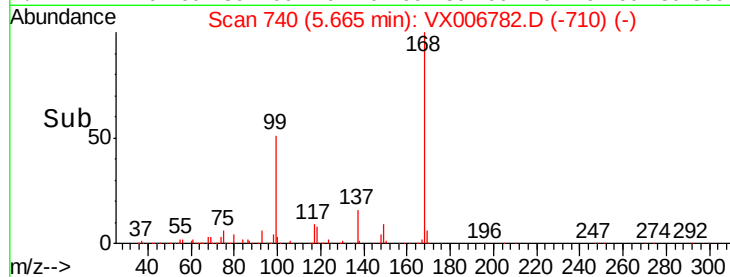
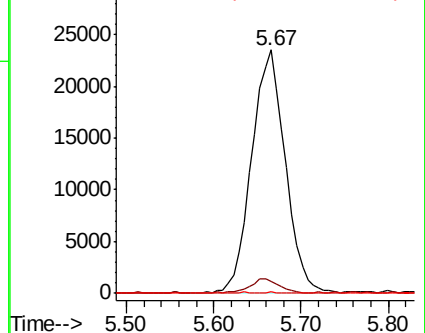
121 0.6 24.0 36.0#



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: VX006782.D

Acq: 24 Dec 2018 09:32

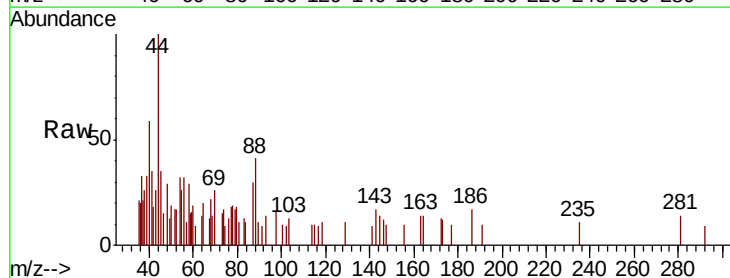
Tgt Ion: 88 Resp: 383

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

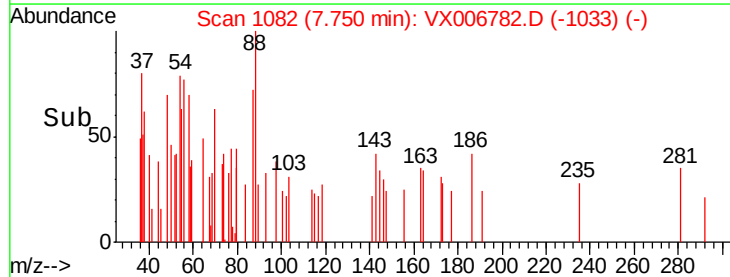
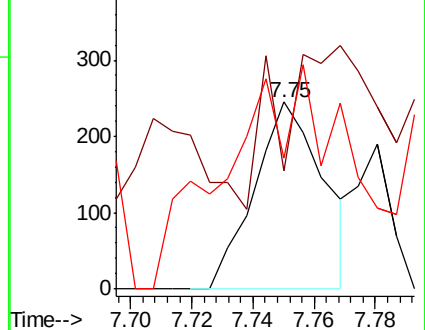
58 112.3 51.0 76.4#

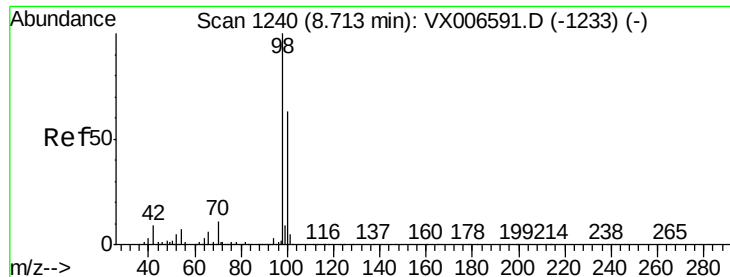


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.011 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006782.D

Acq: 24 Dec 2018 09:32

Instrument :

MSVOA_X

ClientSampleId :

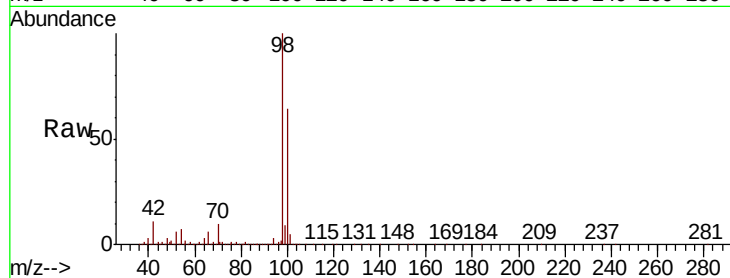
VX1224WBL01

Tot Ion: 98 Resp: 1211621

Ion Ratio Lower Upper

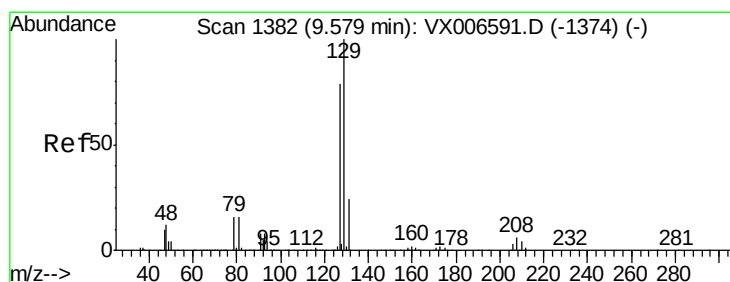
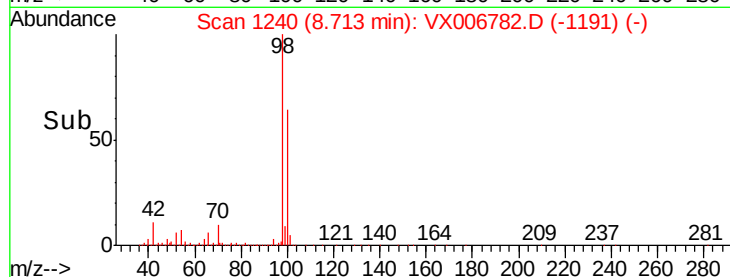
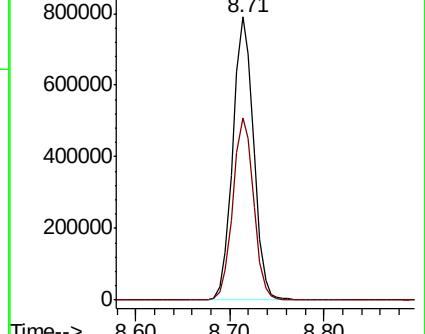
98 100

100 64.3 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: 2.343 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VX006782.D

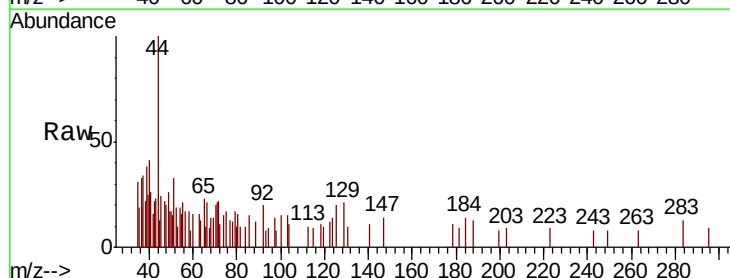
Acq: 24 Dec 2018 09:32

Tgt Ion: 129 Resp: 142

Ion Ratio Lower Upper

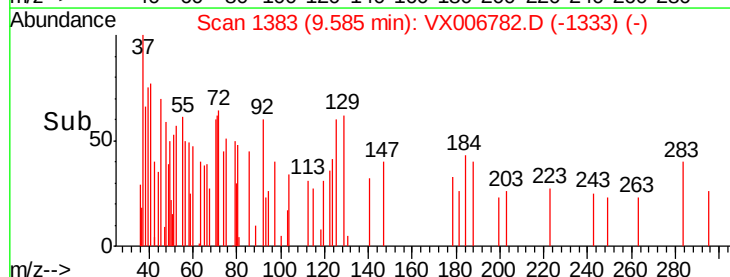
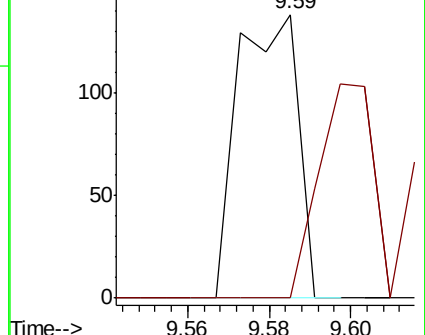
129 100

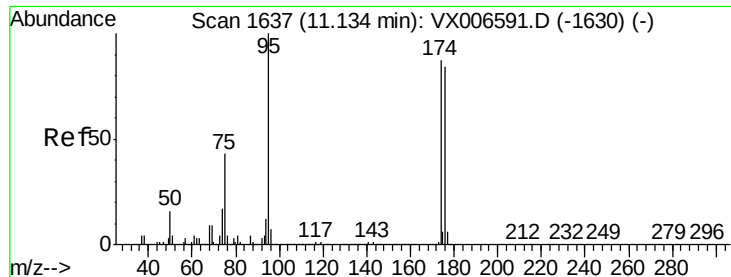
127 66.9 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 47.873 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006782.D

Acq: 24 Dec 2018 09:32

Instrument :

MSVOA_X

ClientSampleId :

VX1224WBL01

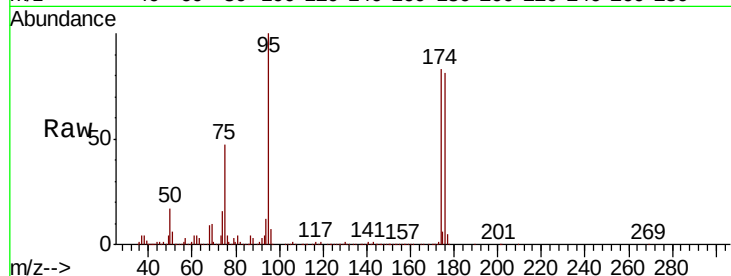
Tot Ion: 95 Resp: 433446

Ion Ratio Lower Upper

95 100

174 90.3 0.0 182.2

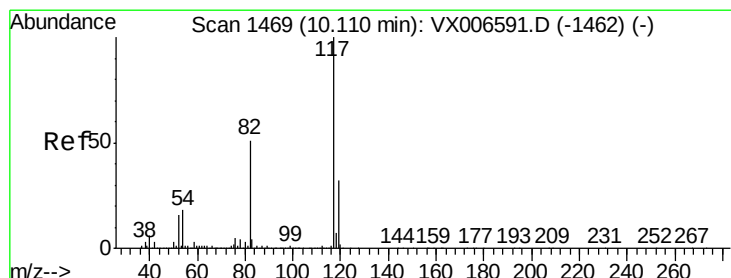
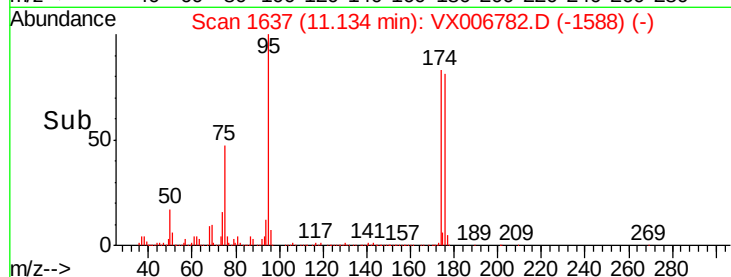
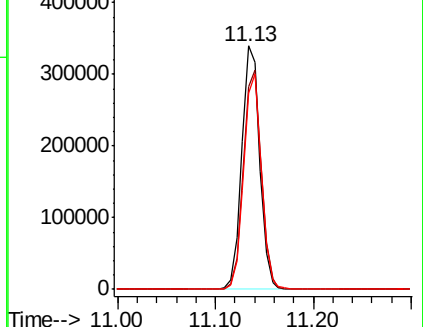
176 87.4 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX006591.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX006591.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX006591.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX006782.D

Acq: 24 Dec 2018 09:32

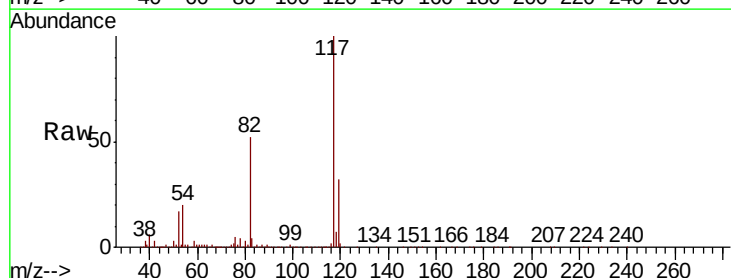
Tgt Ion: 117 Resp: 951924

Ion Ratio Lower Upper

117 100

82 51.9 41.0 61.6

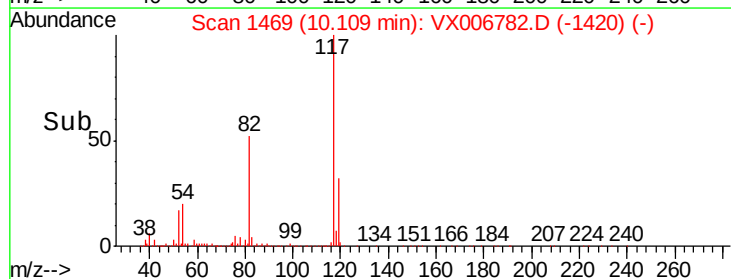
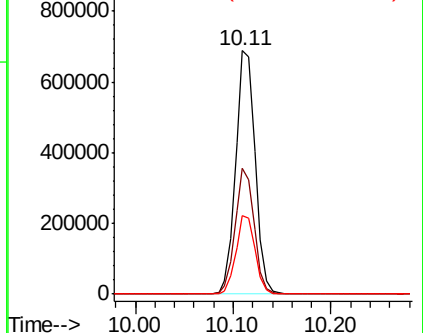
119 32.1 25.4 38.0

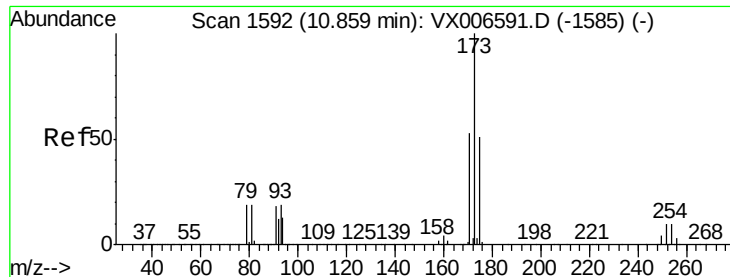


Abundance Ion 116.90 (116.60 to 117.60): VX006591.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006591.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006591.D (-1462) (-)





#71

Bromoform

Concen: 4.491 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX006782.D

Acq: 24 Dec 2018 09:32

Instrument :

MSVOA_X

ClientSampled :

VX1224WBL01

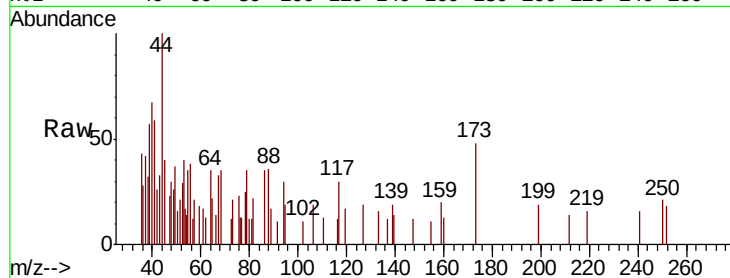
Tot Ion:173 Resp: 195

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

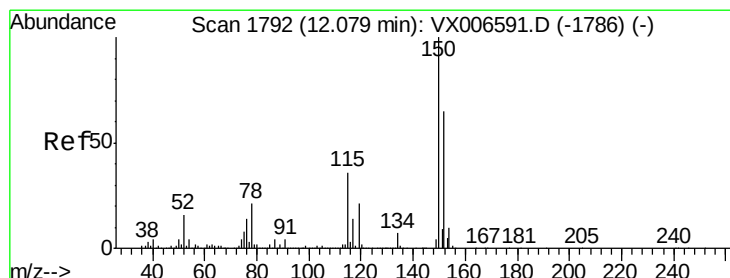
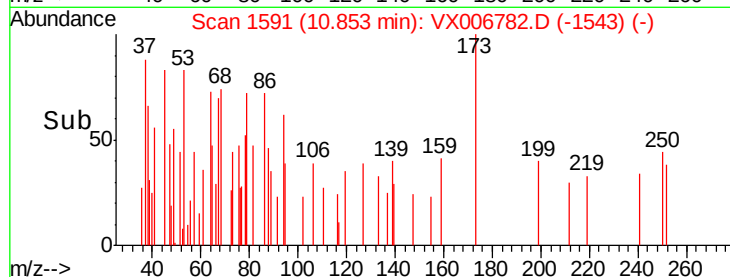
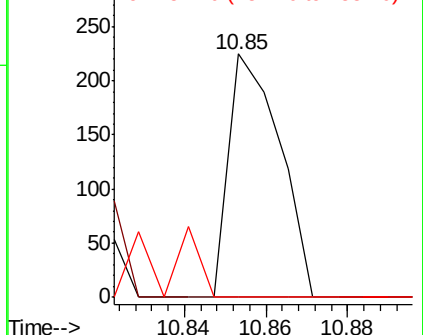
254 23.6 0.2 0.2#



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: VX006782.D

Acq: 24 Dec 2018 09:32

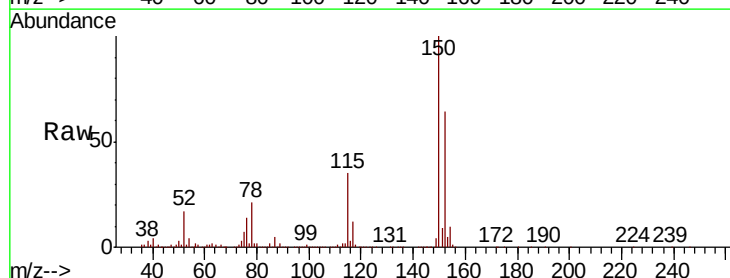
Tgt Ion:152 Resp: 450475

Ion Ratio Lower Upper

152 100

115 55.6 39.1 117.2

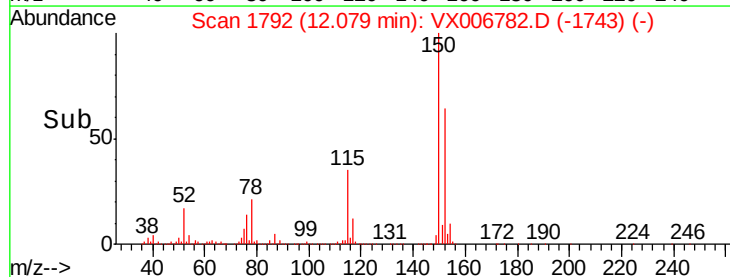
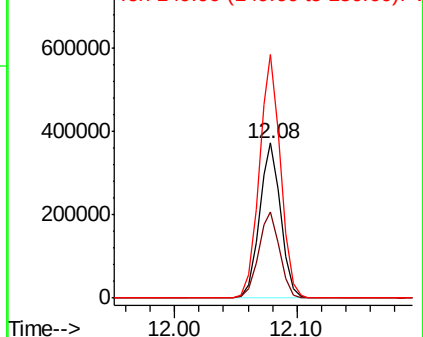
150 157.2 0.0 344.8

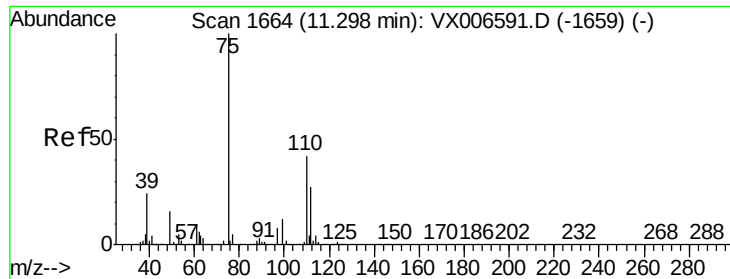


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.952 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006782.D

Acq: 24 Dec 2018 09:32

Instrument :

MSVOA_X

ClientSampleId :

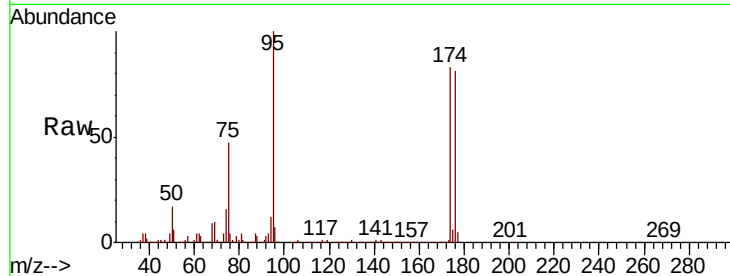
VX1224WBL01

Tot Ion: 75 Resp: 200519

Ion Ratio Lower Upper

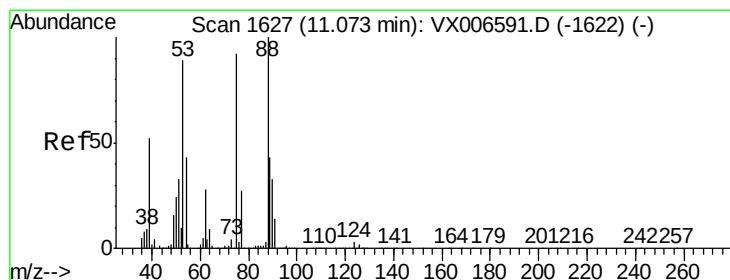
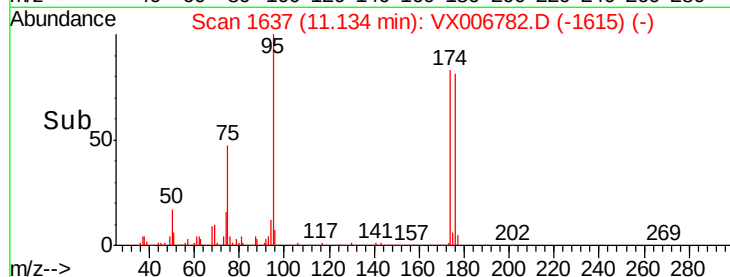
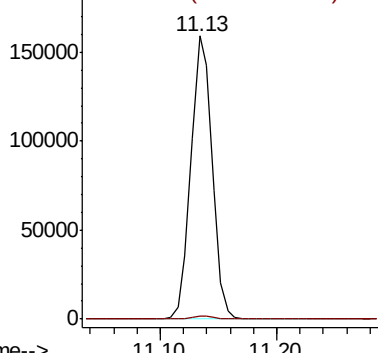
75 100

77 1.4 18.5 55.5#



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: 70.955 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006782.D

Acq: 24 Dec 2018 09:32

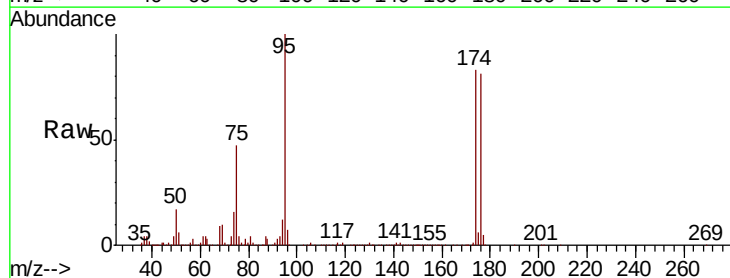
Tgt Ion: 75 Resp: 200519

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

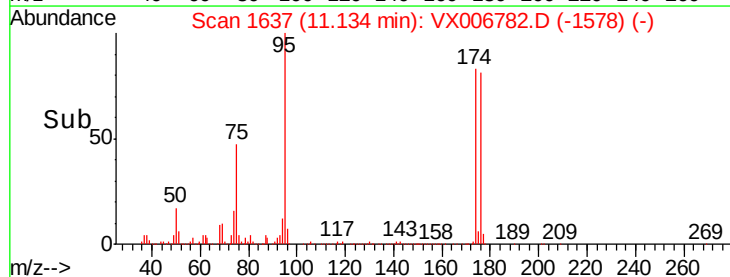
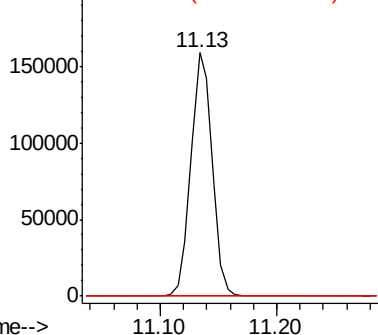
89 0.0 38.0 57.0#

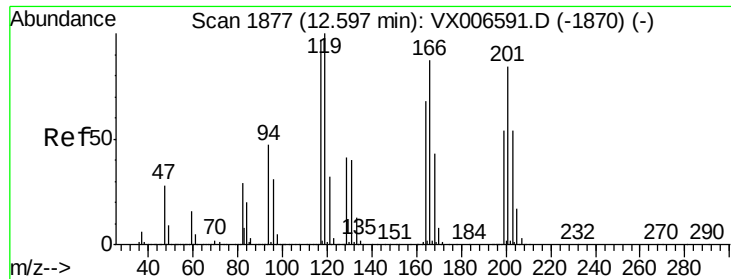


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#90

Hexachloroethane

Concen: 3.325 ug/l

RT: 12.60 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VX006782.D

Acq: 24 Dec 2018 09:32

Instrument :

MSVOA_X

ClientSampleId :

VX1224WBL01

Tot Ion:117 Resp: 146

Ion Ratio Lower Upper

117 100

201 45.9 42.9 128.7

