

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012119\
 Data File : VX007165.D
 Acq On : 21 Jan 2019 18:01
 Operator : JC/SP
 Sample : K1199-21
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW528-4246

Quant Time: Jan 22 00:08:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	527812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	815386	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	779787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	390655	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	285967	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
35) Dibromofluoromethane	5.50	113	255903	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	8.71	98	987581	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
62) 4-Bromofluorobenzene	11.13	95	359397	53.94	ug/l	0.00
Spiked Amount			Recovery	=	107.88%	

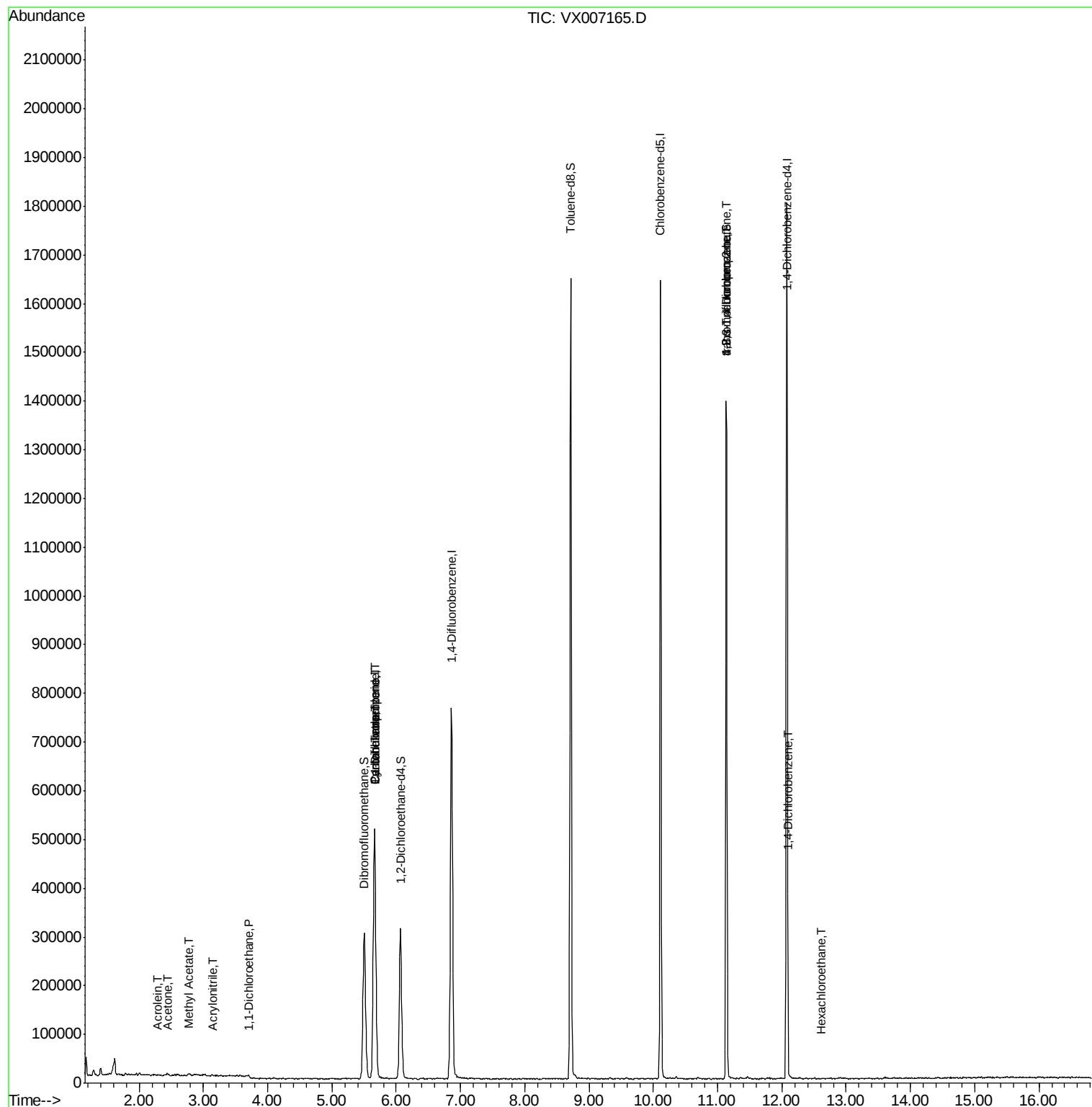
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.29	56	346	3.693	ug/l #	81
15) Acrylonitrile	3.16	53	598	0.200	ug/l #	52
16) Acetone	2.45	43	3419	1.254	ug/l	97
18) Methyl Acetate	2.78	43	4328	0.548	ug/l #	74
20) Methylene Chloride	2.86	84	1129	Below Cal	#	78
24) 1,1-Dichloroethane	3.70	63	3643	0.417	ug/l	96
31) Cyclohexane	5.66	56	8770	1.127	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	35176	4.962	ug/l #	39
38) Carbon Tetrachloride	5.66	117	48247	6.764	ug/l #	15
49) 1,4-Dioxane	7.77	88	65	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.13	75	174272	22.014	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	174272	65.191	ug/l #	10
88) 1,4-Dichlorobenzene	12.10	146	835	0.209	ug/l #	1
90) Hexachloroethane	12.62	117	74	2.926	ug/l	67

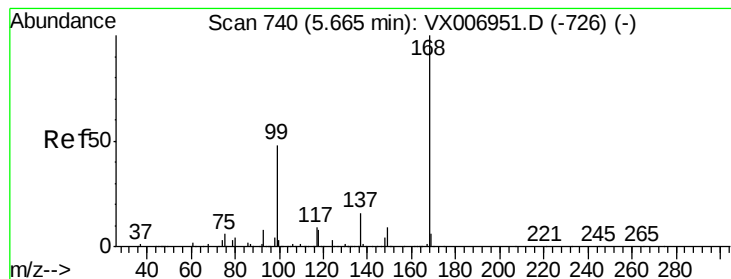
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007165.D

Acq: 21 Jan 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

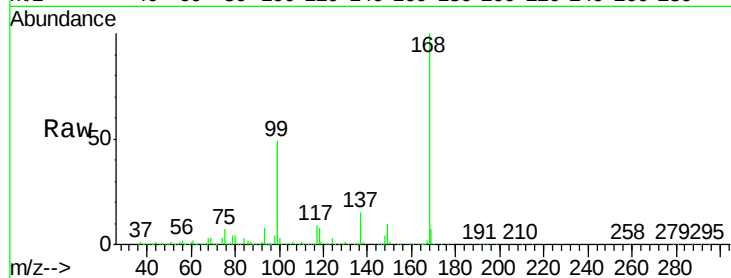
SA-TW528-4246

Tot Ion:168 Resp: 527812

Ion Ratio Lower Upper

168 100

99 49.5 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

200000

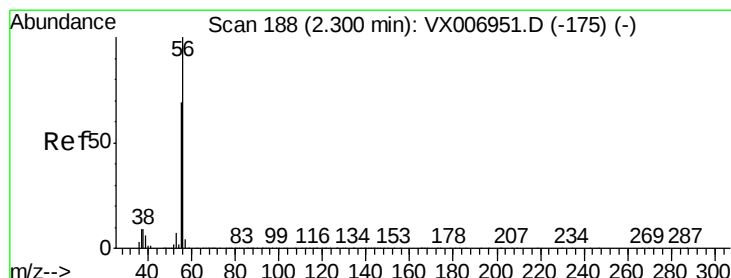
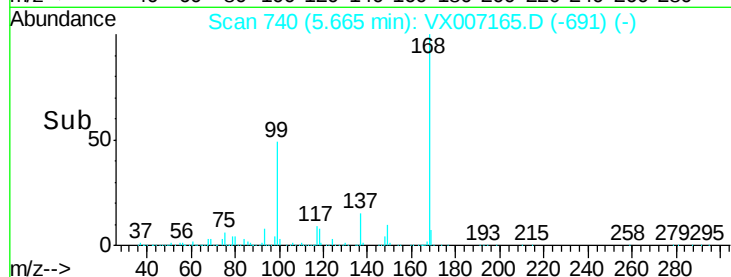
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 3.693 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX007165.D

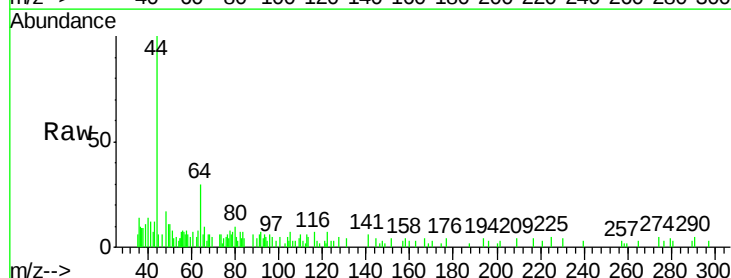
Acq: 21 Jan 2019 18:01

Tgt Ion: 56 Resp: 346

Ion Ratio Lower Upper

56 100

55 57.2 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

400

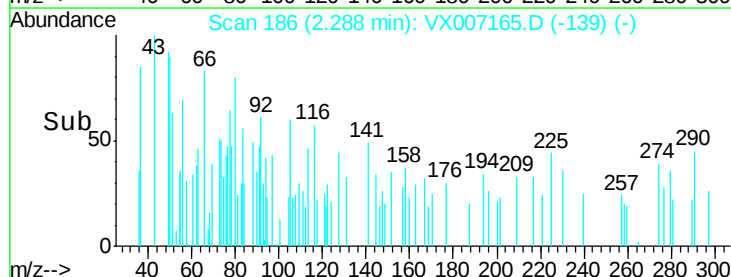
300

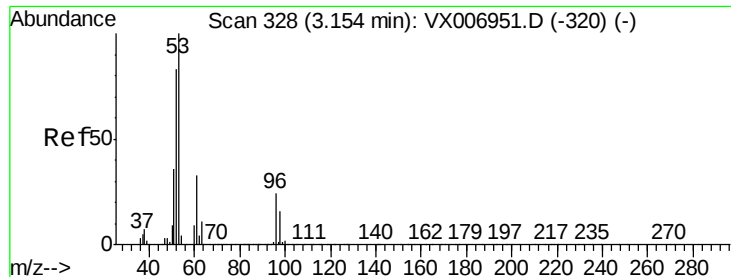
200

100

0

Time-->





#15

Acrylonitrile

Concen: 0.200 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX007165.D

Acq: 21 Jan 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

SA-TW528-4246

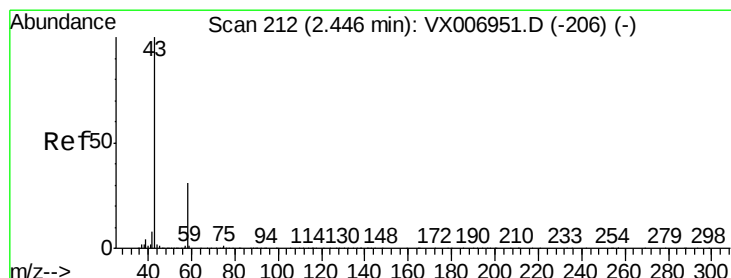
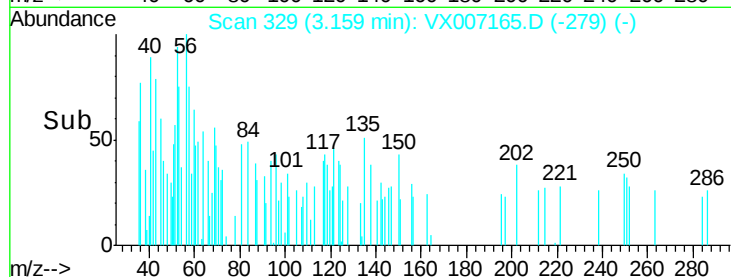
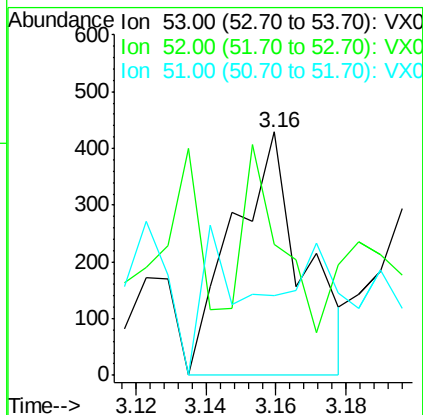
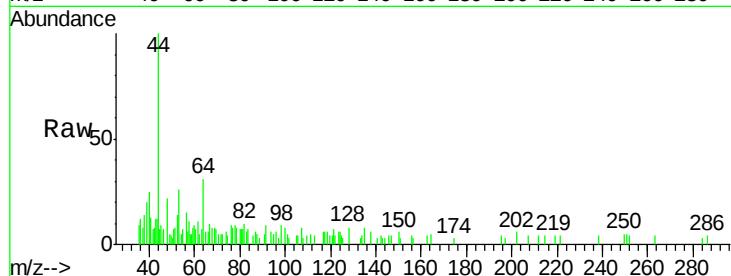
Tot Ion: 53 Resp: 598

Ion Ratio Lower Upper

53 100

52 37.8 66.0 99.0#

51 10.4 28.6 42.8#



#16

Acetone

Concen: 1.254 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007165.D

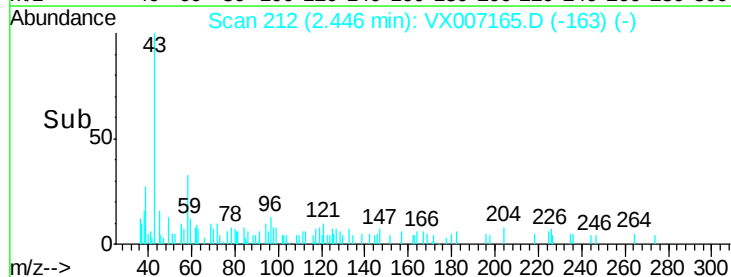
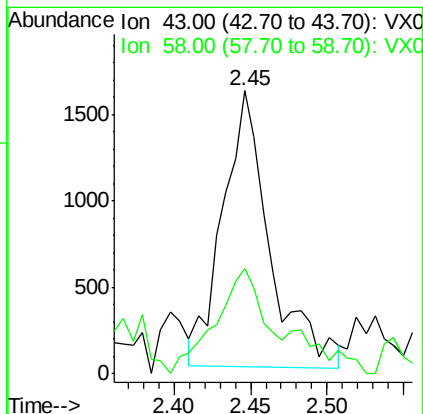
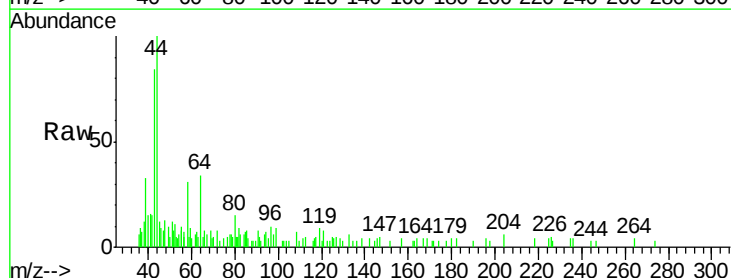
Acq: 21 Jan 2019 18:01

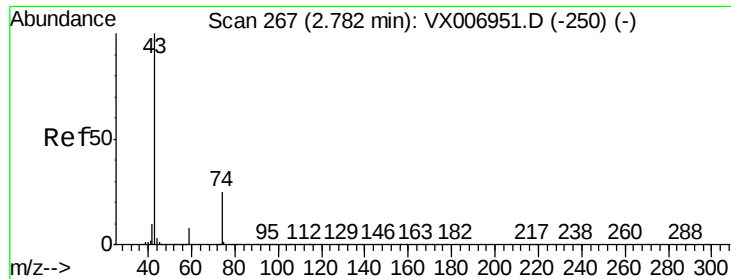
Tgt Ion: 43 Resp: 3419

Ion Ratio Lower Upper

43 100

58 33.1 25.0 37.6





#18

Methyl Acetate

Concen: 0.548 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007165.D

Acq: 21 Jan 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

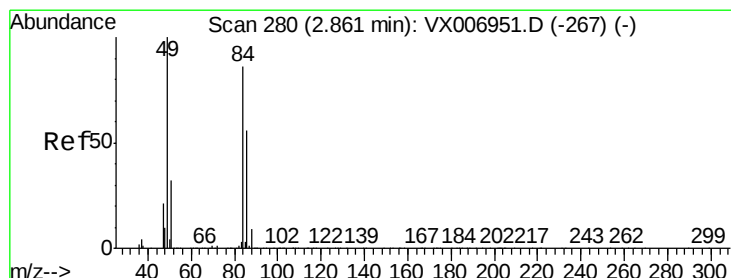
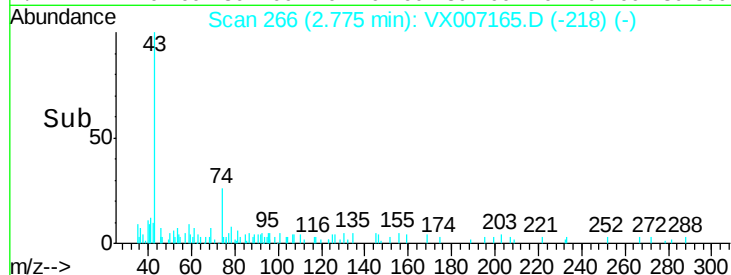
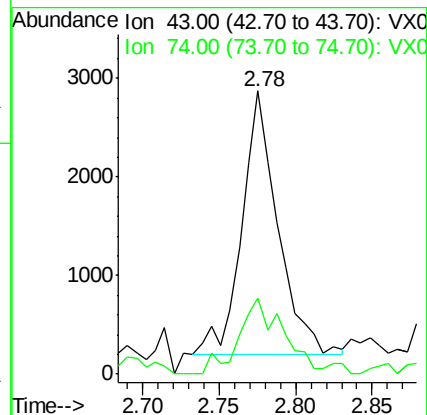
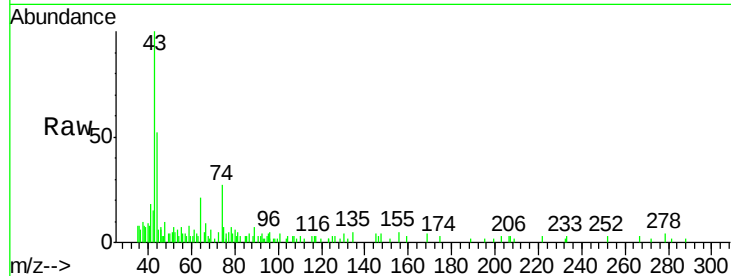
SA-TW528-4246

Tot Ion: 43 Resp: 4328

Ion Ratio Lower Upper

43 100

74 36.0 18.6 28.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX007165.D

Acq: 21 Jan 2019 18:01

Tgt Ion: 84 Resp: 1129

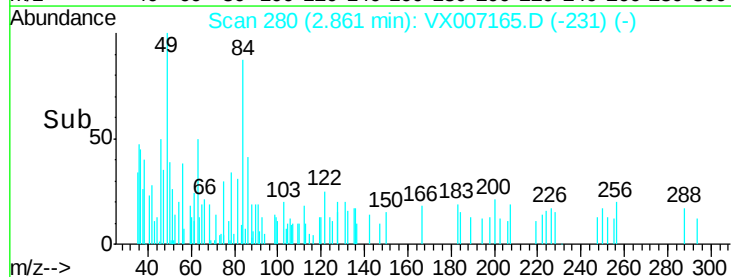
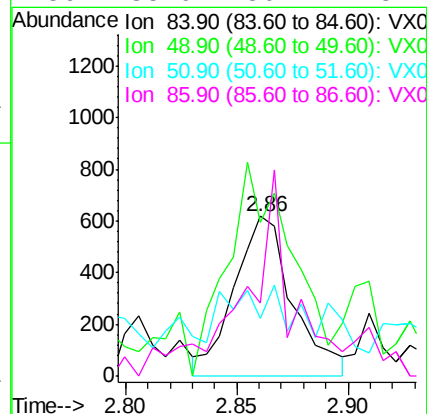
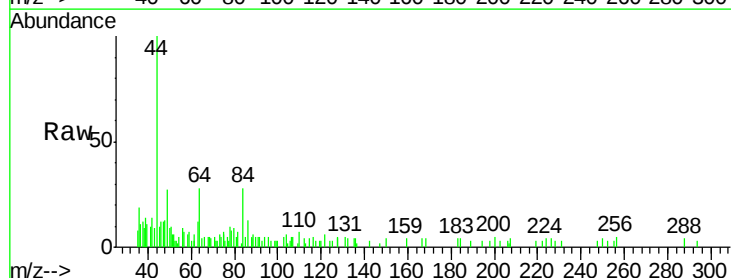
Ion Ratio Lower Upper

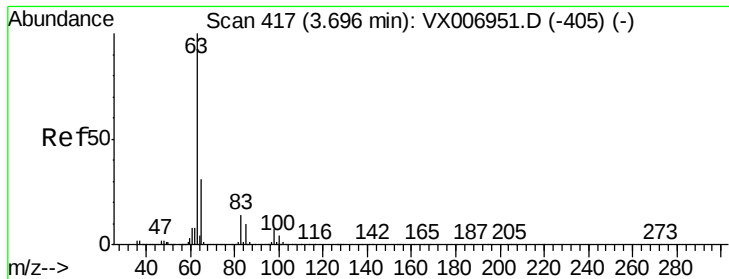
84 100

49 94.0 91.8 137.6

51 37.0 28.5 42.7

86 33.9 50.2 75.2#





#24

1,1-Dichloroethane

Concen: 0.417 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX007165.D

Acq: 21 Jan 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

SA-TW528-4246

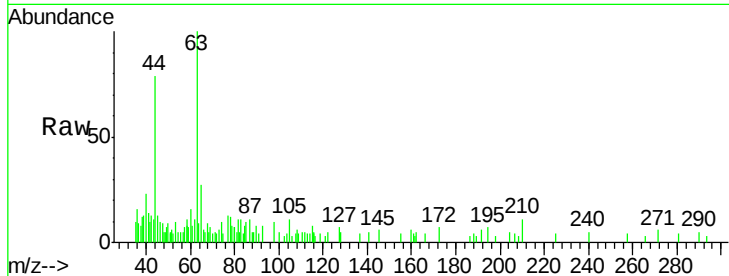
Tot Ion: 63 Resp: 3643

Ion Ratio Lower Upper

63 100

98 9.6 3.9 11.5

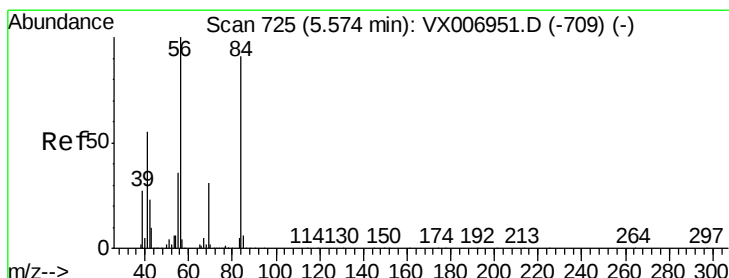
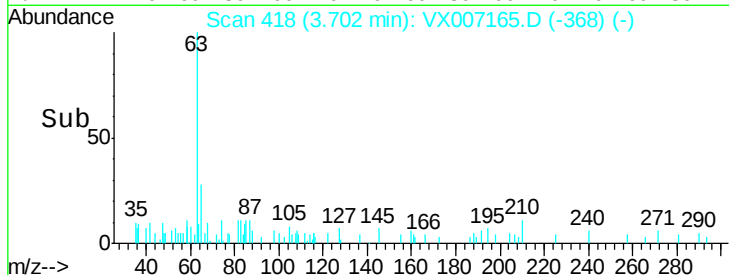
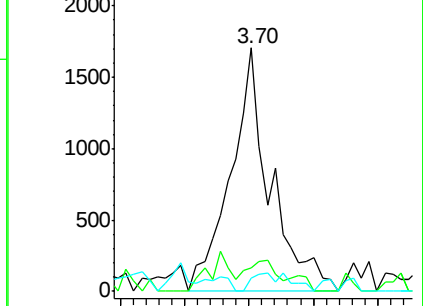
100 5.3 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#31

Cyclohexane

Concen: 1.127 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX007165.D

Acq: 21 Jan 2019 18:01

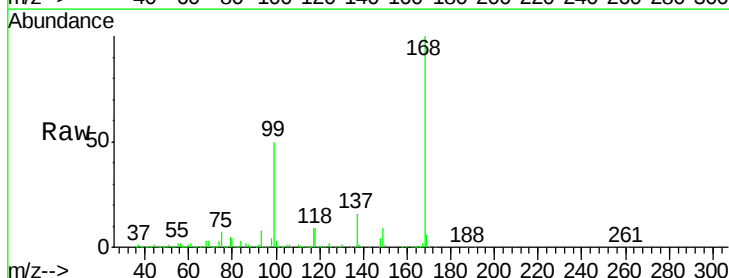
Tgt Ion: 56 Resp: 8770

Ion Ratio Lower Upper

56 100

69 178.1 24.4 36.6#

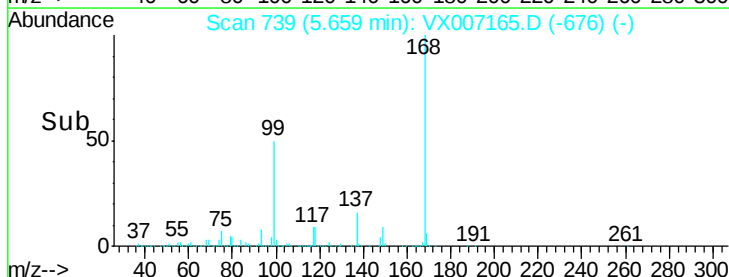
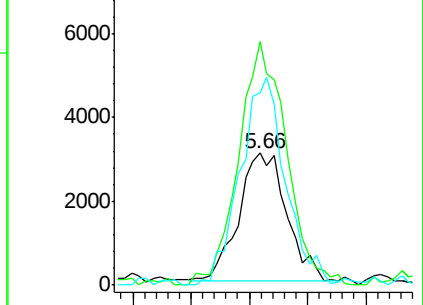
84 141.0 70.0 105.0#

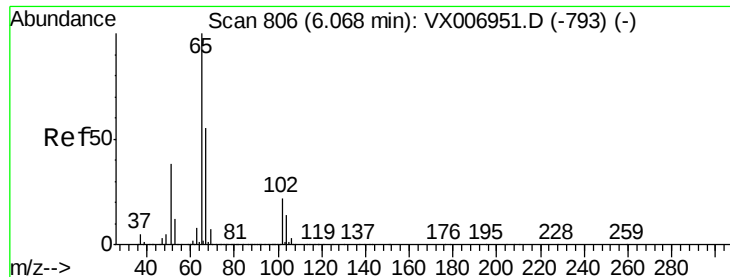


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.842 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007165.D

Acq: 21 Jan 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

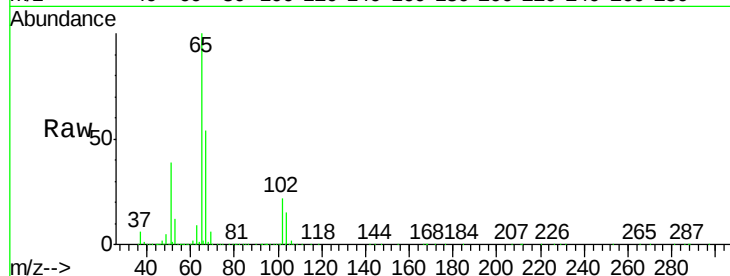
SA-TW528-4246

Tot Ion: 65 Resp: 285967

Ion Ratio Lower Upper

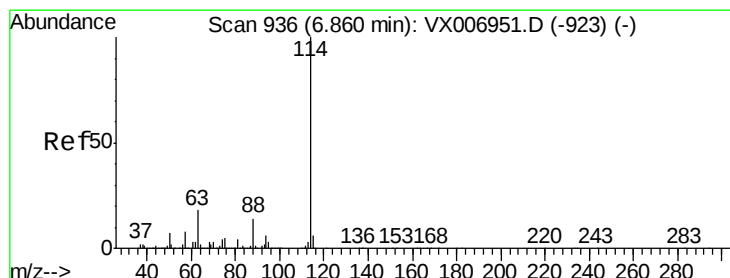
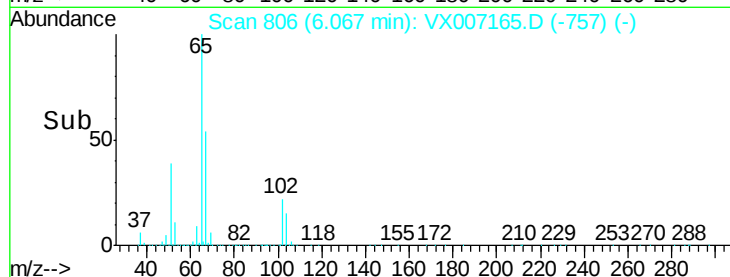
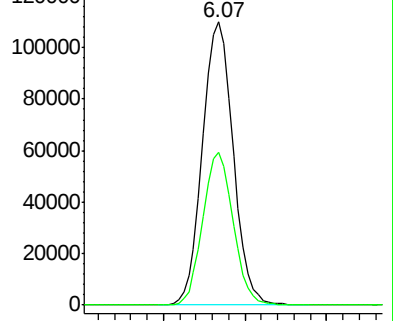
65 100

67 53.4 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007165.D

Acq: 21 Jan 2019 18:01

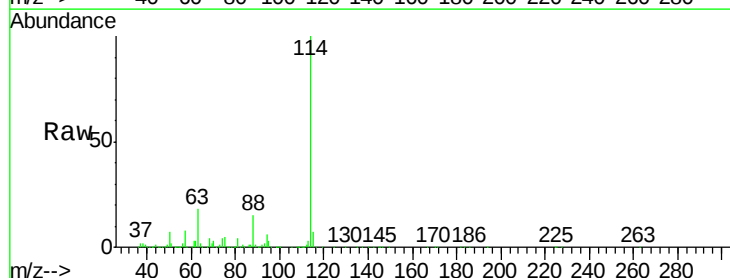
Tgt Ion: 114 Resp: 815386

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.8

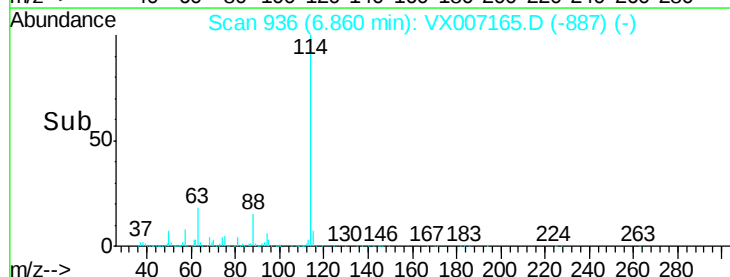
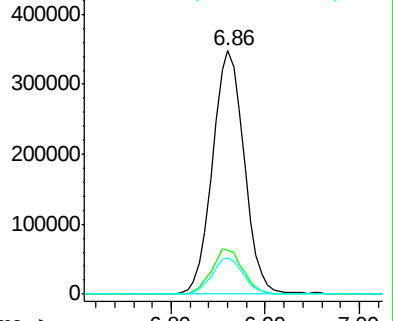
88 14.9 0.0 28.8

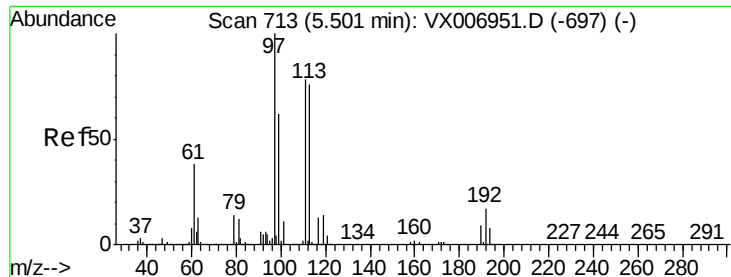


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.008 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007165.D

Acq: 21 Jan 2019 18:01

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SA-TW528-4246

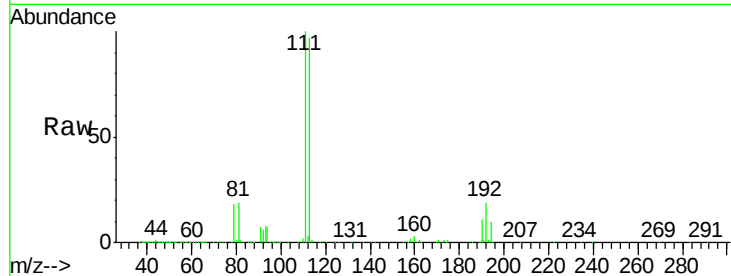
Tot Ion:113 Resp: 255903

Ion Ratio Lower Upper

113 100

111 101.0 81.6 122.4

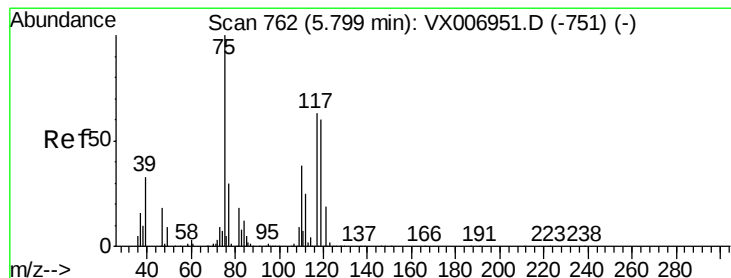
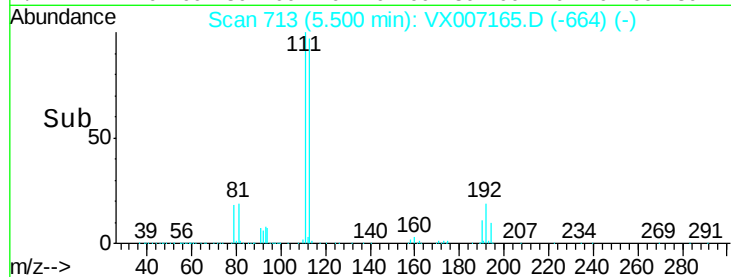
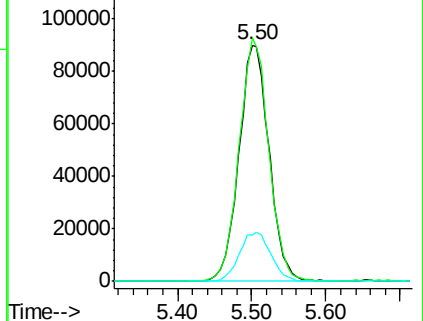
192 21.8 16.7 25.1



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: 4.962 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007165.D

Acq: 21 Jan 2019 18:01

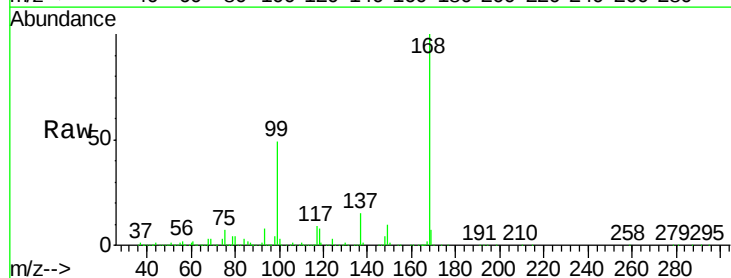
Tgt Ion: 75 Resp: 35176

Ion Ratio Lower Upper

75 100

110 0.0 20.2 60.5#

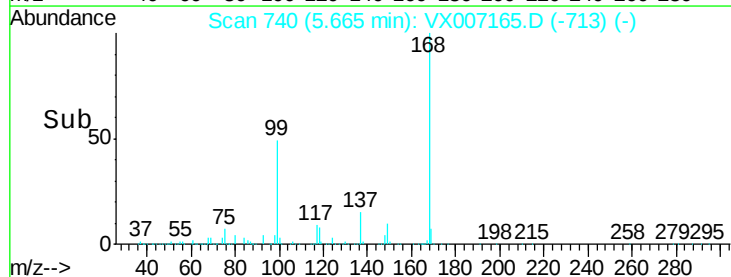
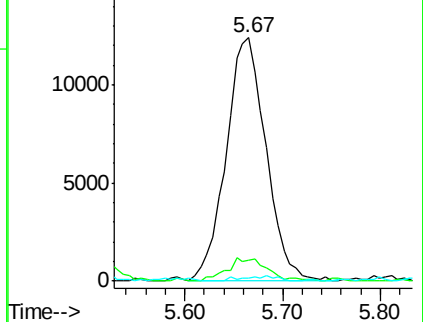
77 0.3 24.8 37.2#

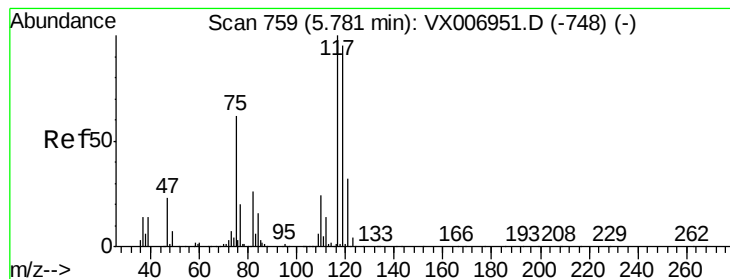


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.764 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007165.D

Acq: 21 Jan 2019 18:01

Instrument :

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ClientSampleId :

SA-TW528-4246

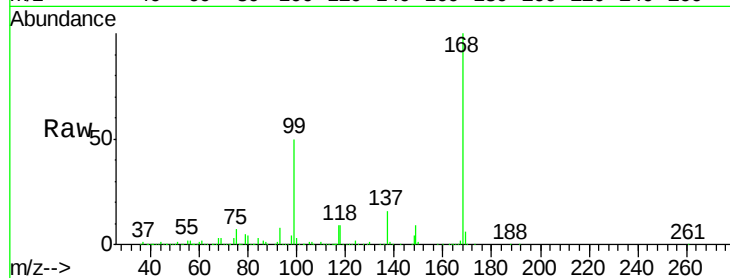
Tot Ion:117 Resp: 48247

Ion Ratio Lower Upper

117 100

119 5.0 79.4 119.2#

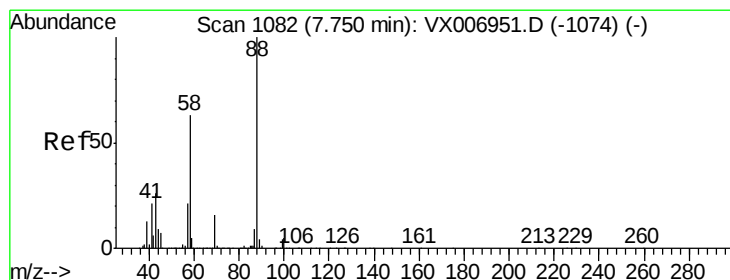
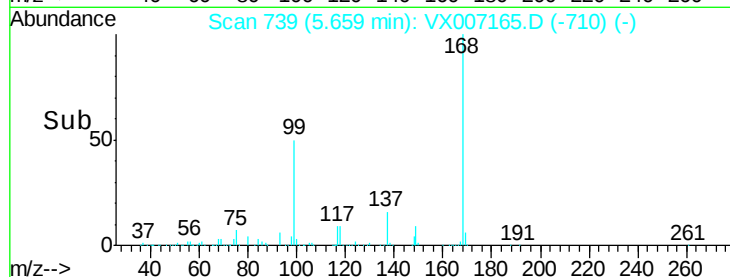
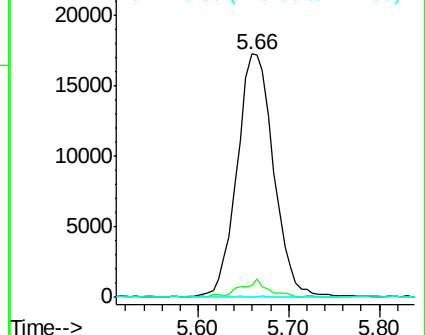
121 0.4 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX007165.D

Acq: 21 Jan 2019 18:01

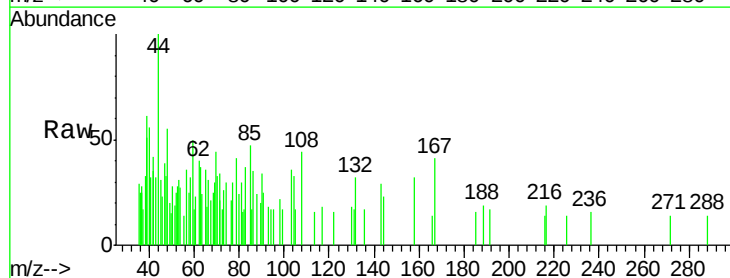
Tgt Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

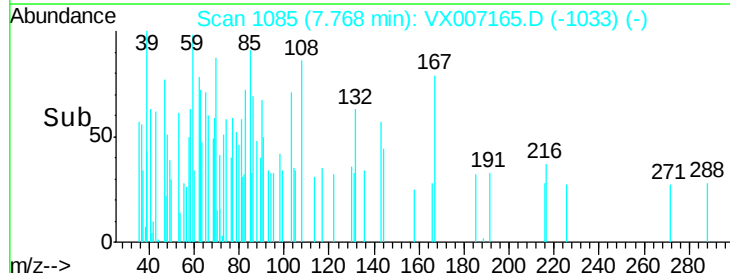
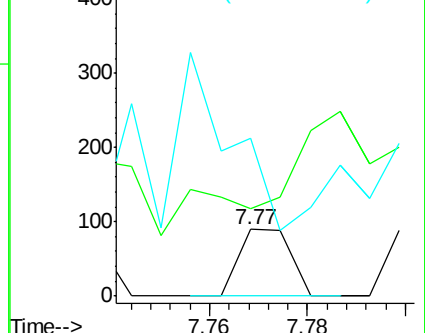
58 723.1 51.0 76.4#

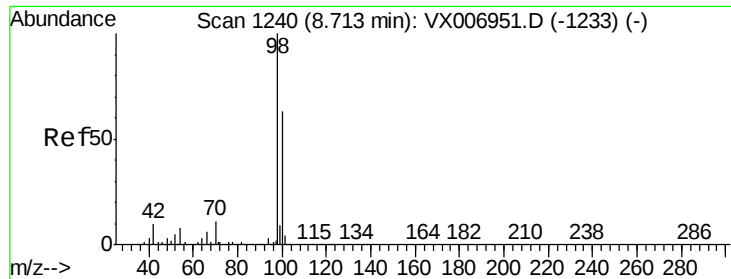


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.671 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007165.D

Acq: 21 Jan 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

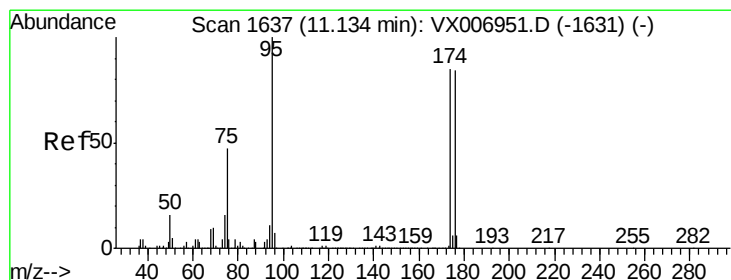
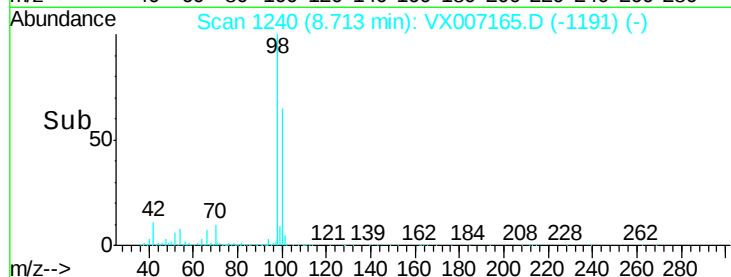
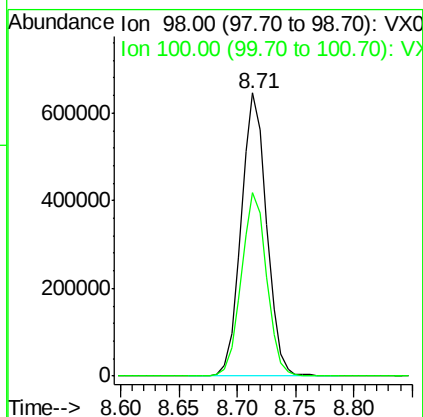
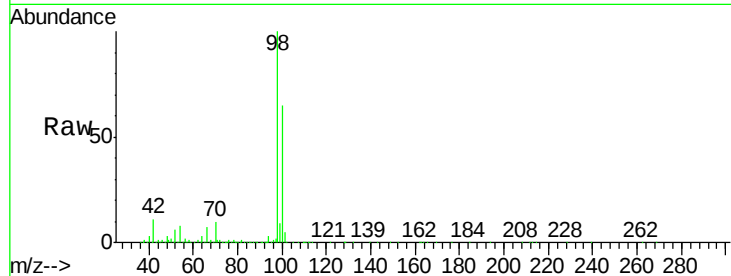
SA-TW528-4246

Tot Ion: 98 Resp: 987581

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 53.937 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007165.D

Acq: 21 Jan 2019 18:01

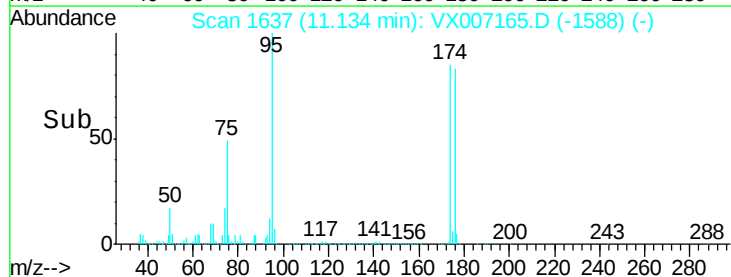
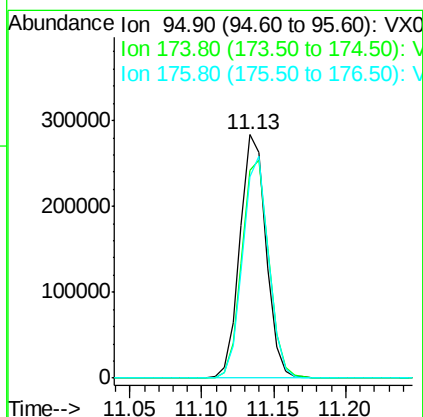
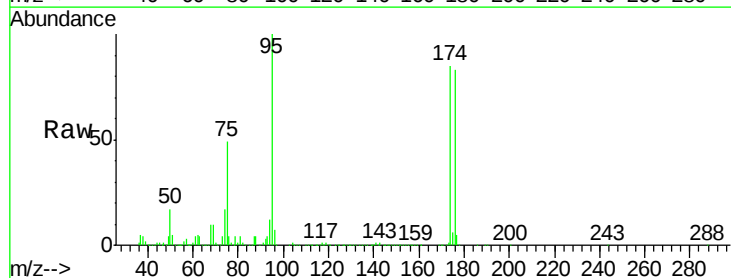
Tgt Ion: 95 Resp: 359397

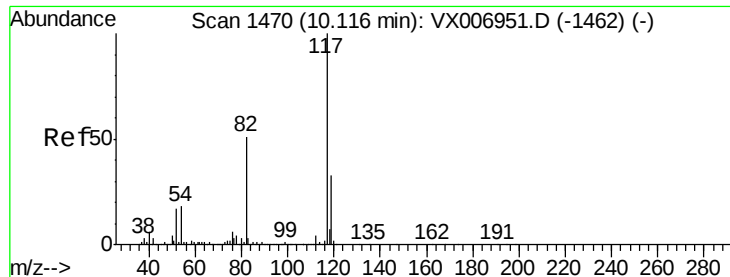
Ion Ratio Lower Upper

95 100

174 91.7 0.0 182.2

176 89.7 0.0 178.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VX007165.D

Acq: 21 Jan 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

SA-TW528-4246

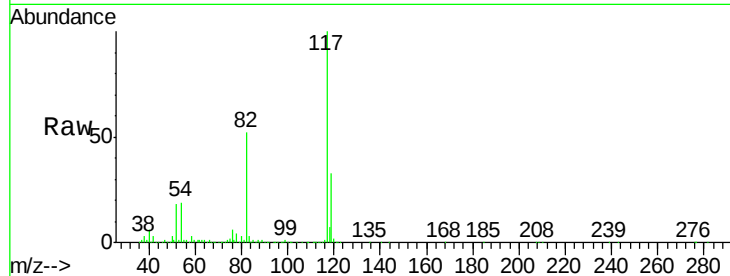
Tot Ion:117 Resp: 779787

Ion Ratio Lower Upper

117 100

82 52.4 41.0 61.6

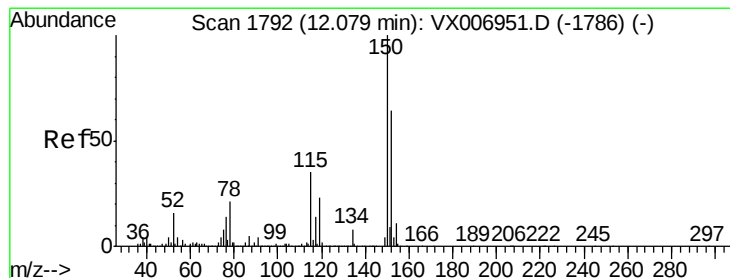
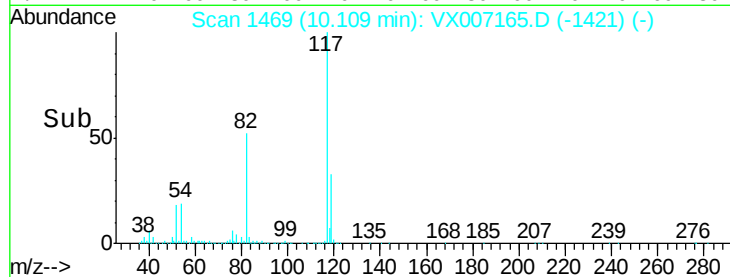
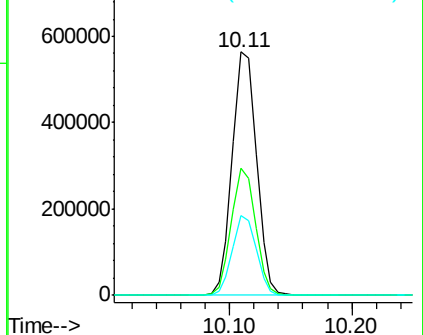
119 32.8 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): 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: VX007165.D

Acq: 21 Jan 2019 18:01

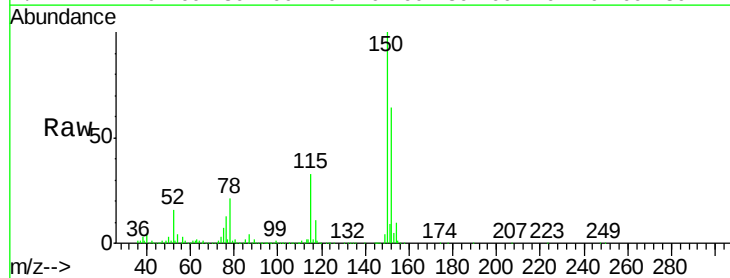
Tgt Ion:152 Resp: 390655

Ion Ratio Lower Upper

152 100

115 54.7 39.1 117.2

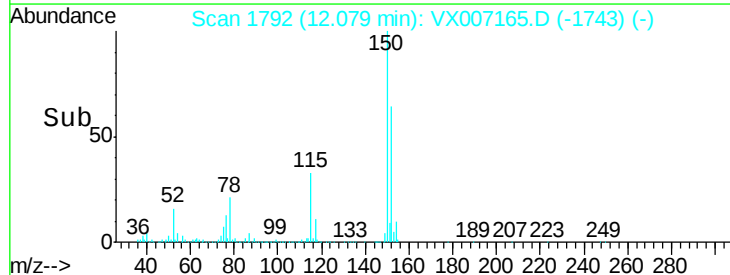
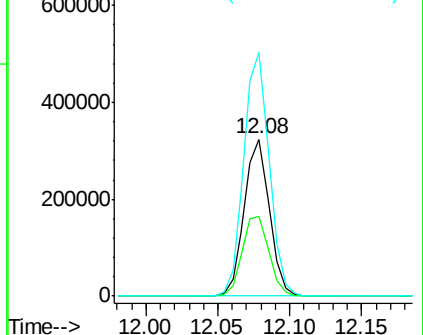
150 157.7 0.0 344.8

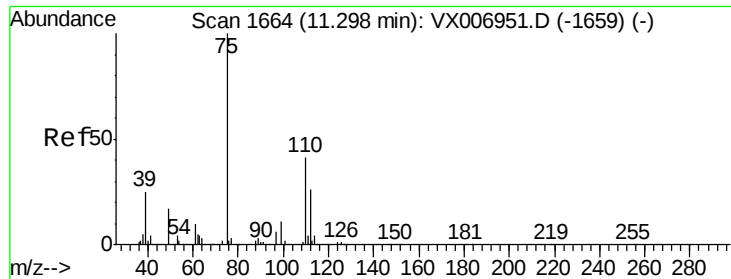


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.014 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007165.D

Acq: 21 Jan 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

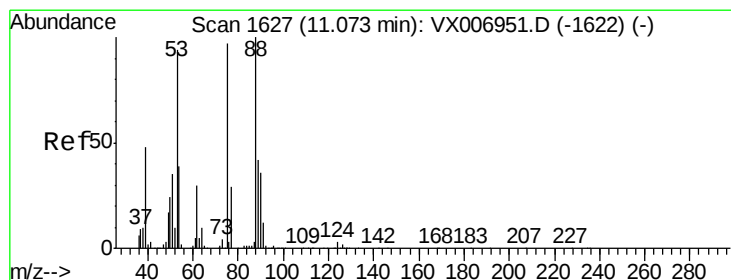
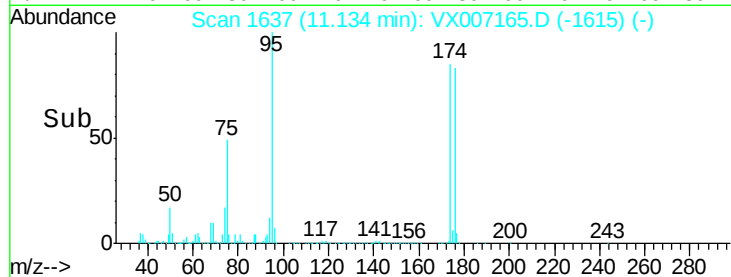
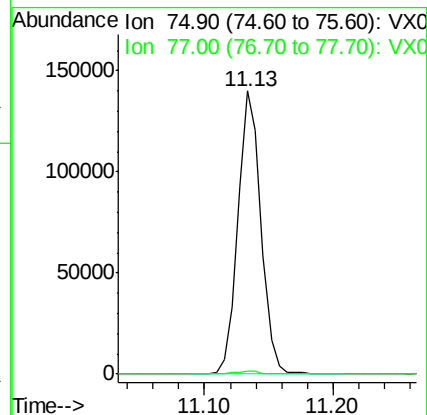
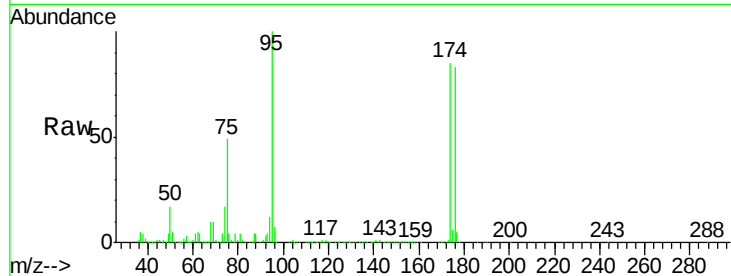
SA-TW528-4246

Tot Ion: 75 Resp: 174272

Ion Ratio Lower Upper

75 100

77 1.2 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.191 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007165.D

Acq: 21 Jan 2019 18:01

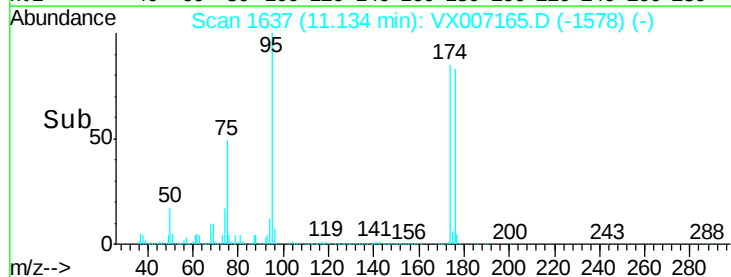
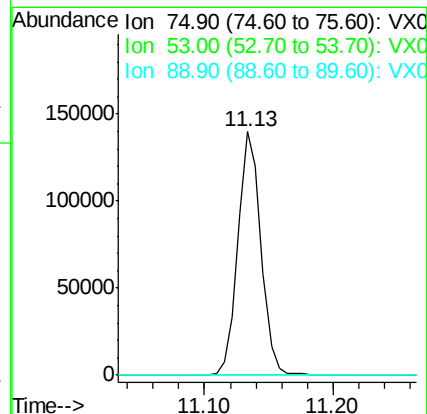
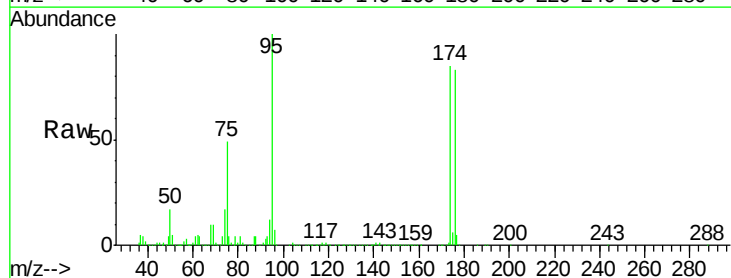
Tgt Ion: 75 Resp: 174272

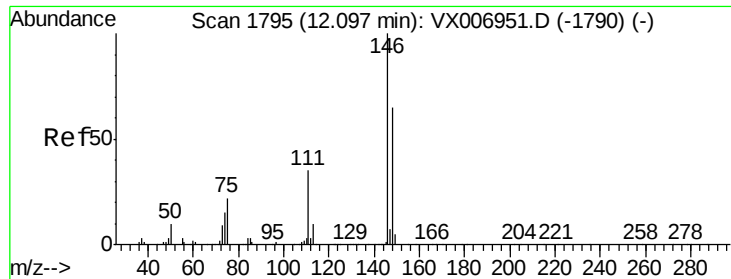
Ion Ratio Lower Upper

75 100

53 0.3 79.7 119.5#

89 0.0 38.0 57.0#





#88

1,4-Dichlorobenzene

Concen: 0.209 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX007165.D

Acq: 21 Jan 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

SA-TW528-4246

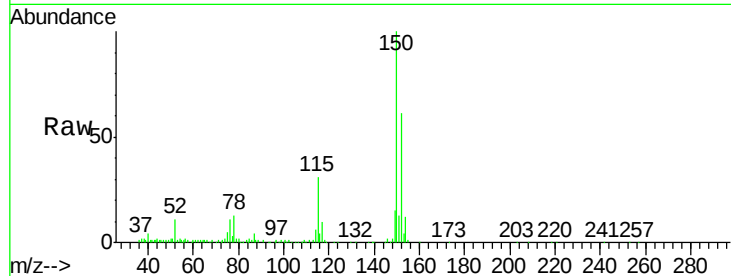
Tot Ion:146 Resp: 835

Ion Ratio Lower Upper

146 100

111 671.7 18.1 54.1#

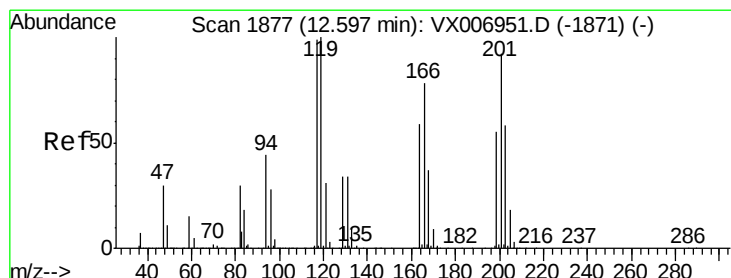
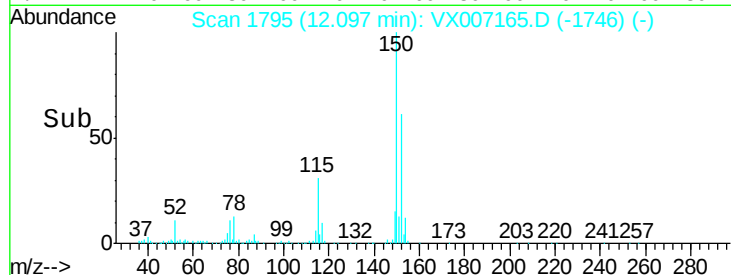
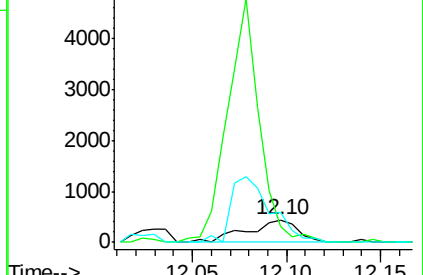
148 226.3 31.9 95.9#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#90

Hexachloroethane

Concen: 2.926 ug/l

RT: 12.62 min Scan# 1880

Delta R.T. 0.02 min

Lab File: VX007165.D

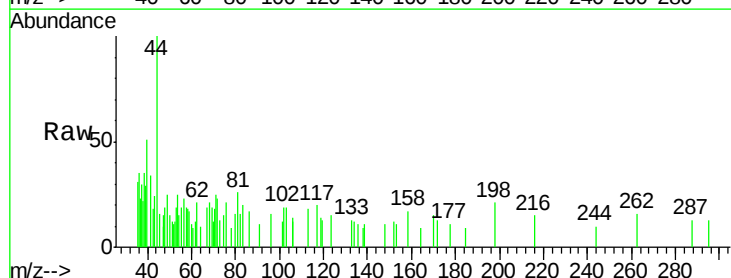
Acq: 21 Jan 2019 18:01

Tgt Ion:117 Resp: 74

Ion Ratio Lower Upper

117 100

201 116.2 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

