

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032019\
 Data File : VX008244.D
 Acq On : 20 Mar 2019 16:04
 Operator : JC/SP
 Sample : K1985-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW308I-20190317

Quant Time: Mar 22 05:32:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	336306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	553743	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	469373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	189866	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	235574	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
35) Dibromofluoromethane	5.51	113	174099	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
50) Toluene-d8	8.71	98	679395	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
62) 4-Bromofluorobenzene	11.13	95	218869	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	

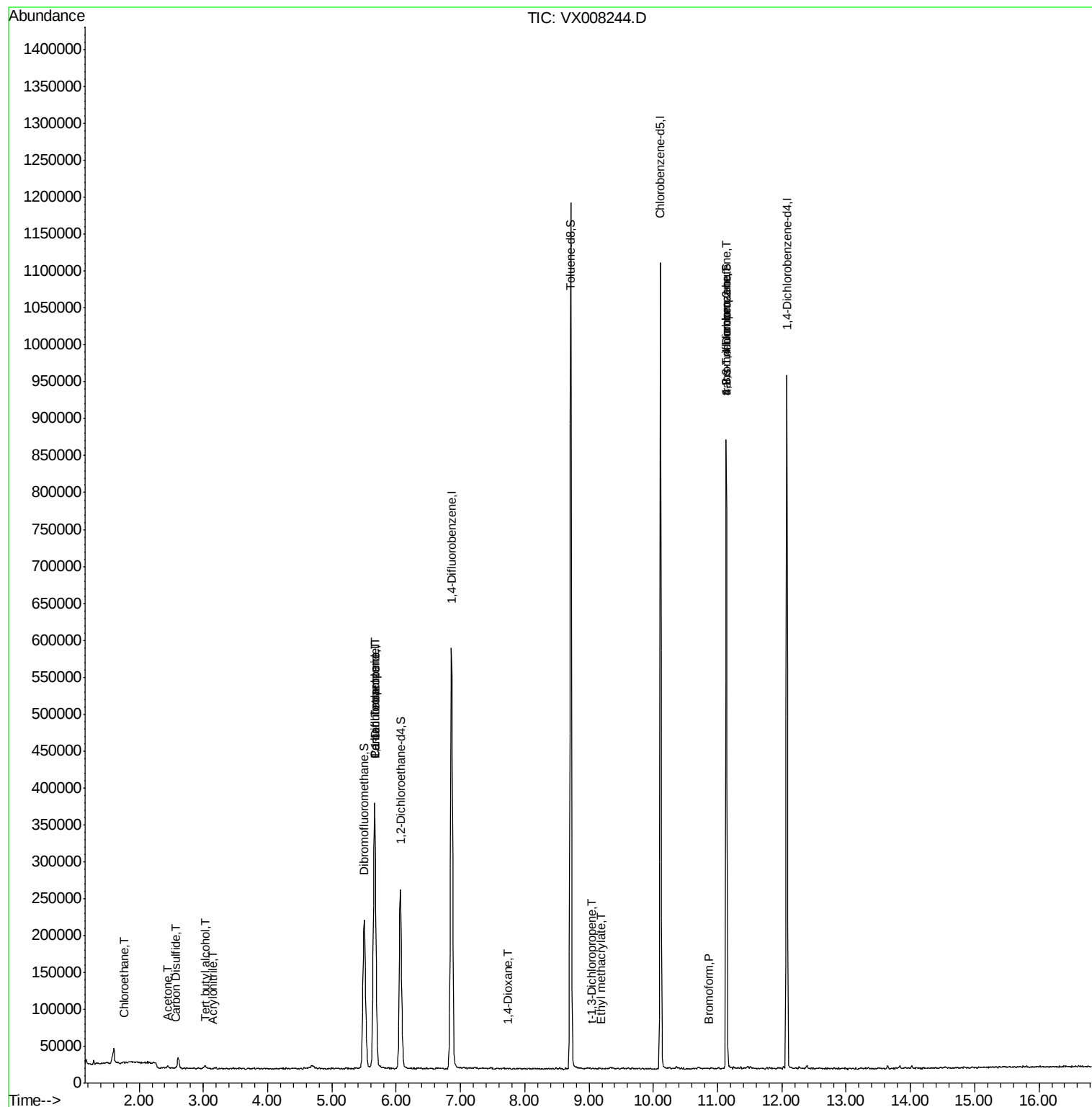
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.76	64	1042	0.326	ug/l #	46
11) Tert butyl alcohol	3.02	59	2945	2.716	ug/l #	90
13) Acrolein	2.27	56	392	Below Cal	#	32
15) Acrylonitrile	3.15	53	879	0.306	ug/l #	75
16) Acetone	2.45	43	4982	1.734	ug/l	94
17) Carbon Disulfide	2.57	76	2395	0.853	ug/l #	89
36) 1,1-Dichloropropene	5.66	75	27064	4.198	ug/l #	50
38) Carbon Tetrachloride	5.67	117	33143	5.770	ug/l #	16
49) 1,4-Dioxane	7.73	88	85	0.742	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	390	1.471	ug/l #	49
56) Ethyl methacrylate	9.18	69	176	0.547	ug/l #	56
71) Bromoform	10.86	173	63	2.220	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	114247	21.394	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	114247	54.409	ug/l #	12

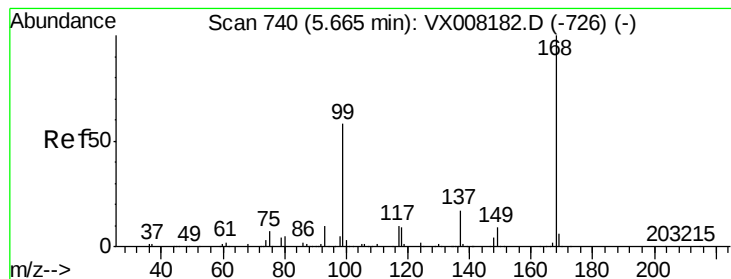
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008244.D

Acq: 20 Mar 2019 16:04

Instrument :

MSVOA_X

ClientSampleId :

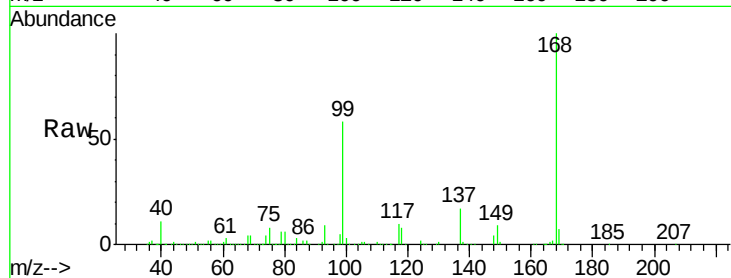
BPS1-TT-MW308I-20190317

Tot Ion:168 Resp: 336306

Ion Ratio Lower Upper

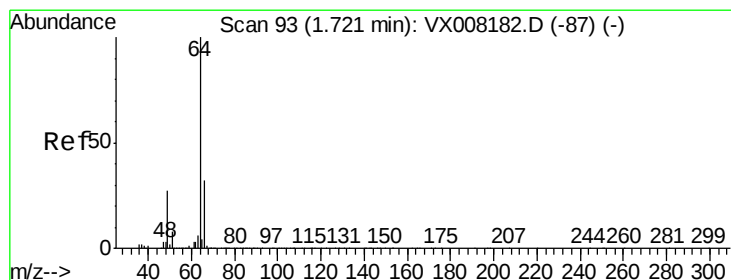
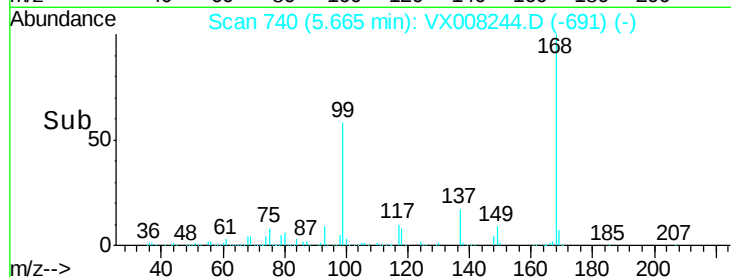
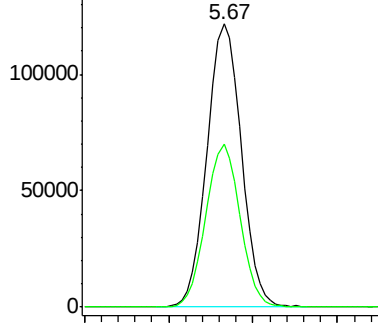
168 100

99 57.5 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.326 ug/l

RT: 1.76 min Scan# 100

Delta R.T. 0.04 min

Lab File: VX008244.D

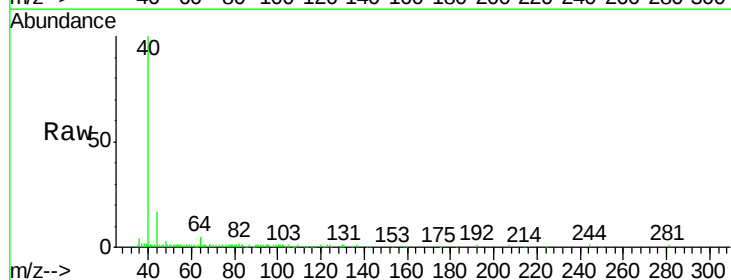
Acq: 20 Mar 2019 16:04

Tgt Ion: 64 Resp: 1042

Ion Ratio Lower Upper

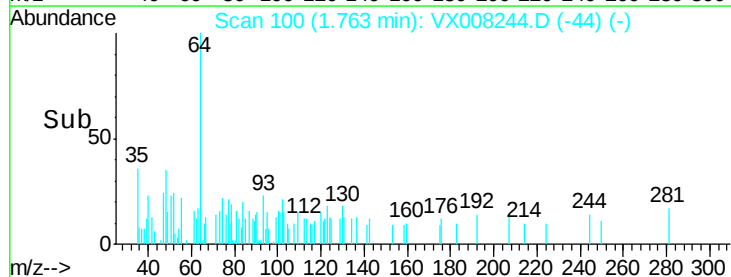
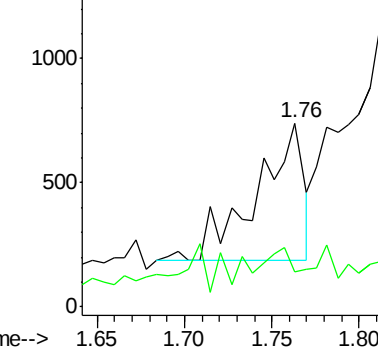
64 100

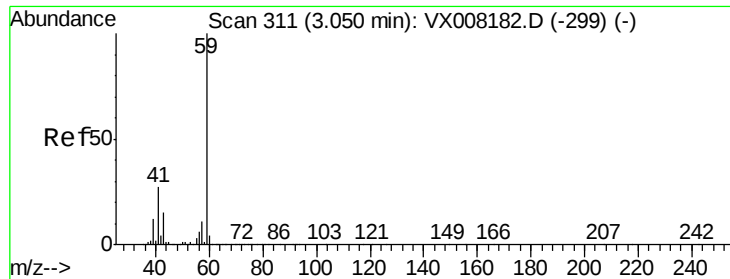
66 1.6 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

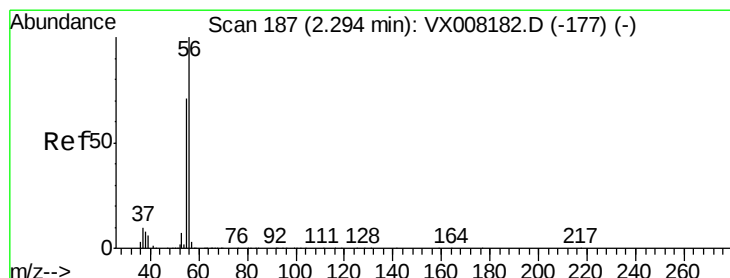
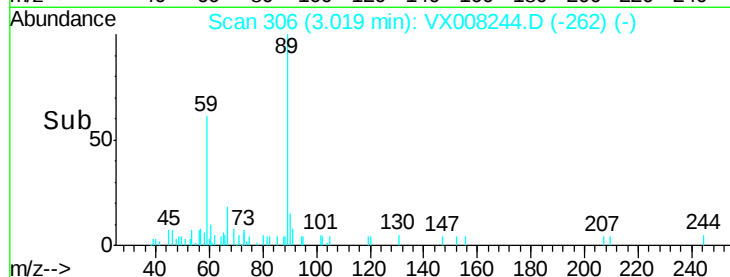
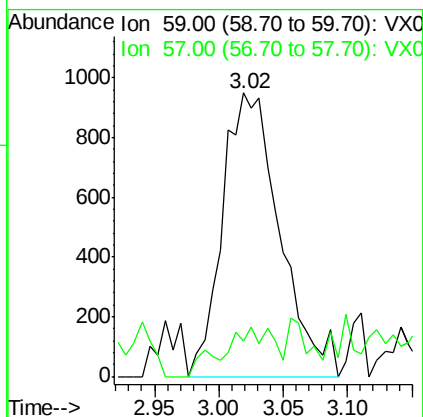
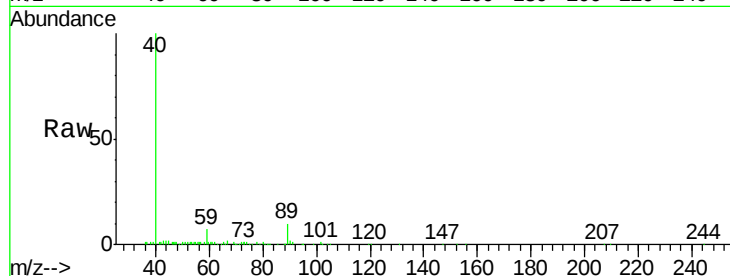




#11
Tert butvl alcohol
Concen: 2.716 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX008244.D
Acq: 20 Mar 2019 16:04

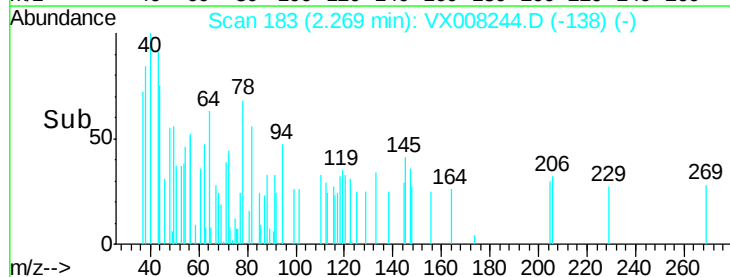
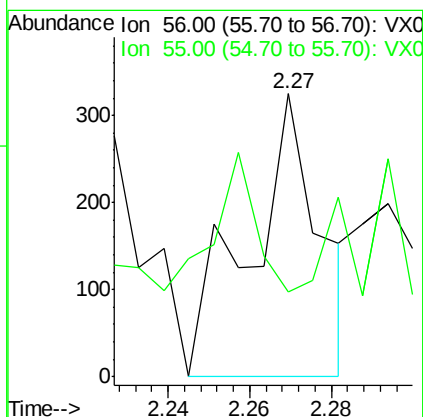
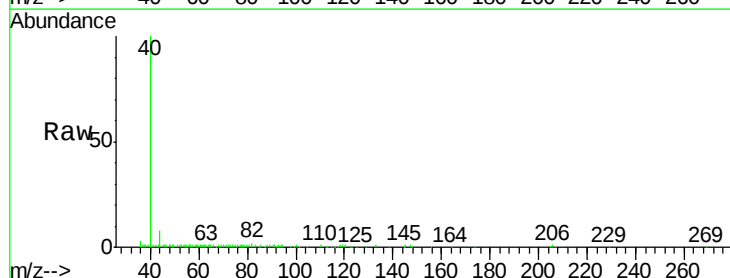
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW308I-20190317

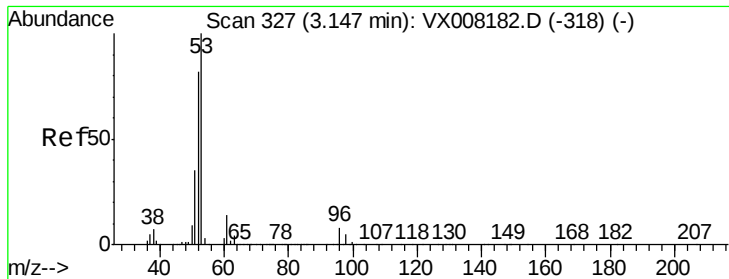
Tot Ion: 59 Resp: 2945
Ion Ratio Lower Upper
59 100
57 6.6 8.2 12.2#



#13
Acrolein
Concen: Below Cal
RT: 2.27 min Scan# 183
Delta R.T. -0.02 min
Lab File: VX008244.D
Acq: 20 Mar 2019 16:04

Tgt Ion: 56 Resp: 392
Ion Ratio Lower Upper
56 100
55 15.1 57.8 86.6#





#15

Acrylonitrile

Concen: 0.306 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX008244.D

Acq: 20 Mar 2019 16:04

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW308I-20190317

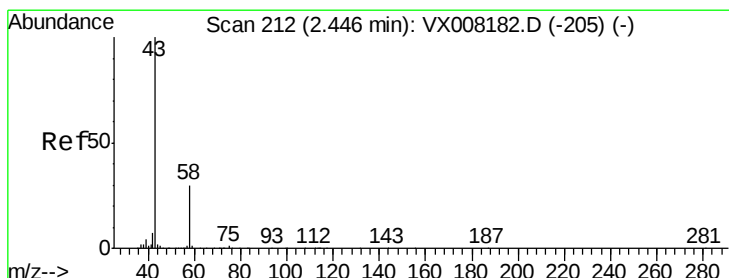
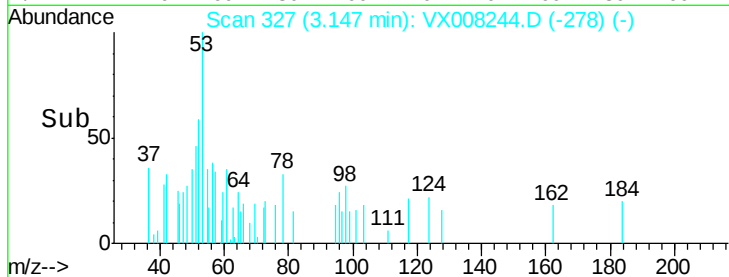
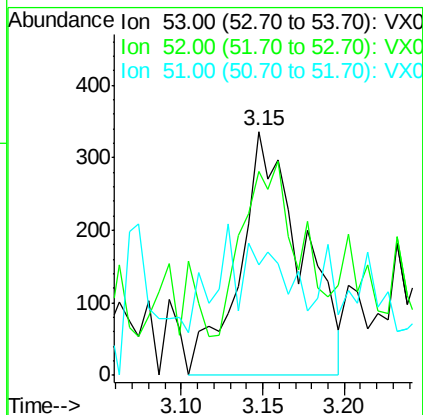
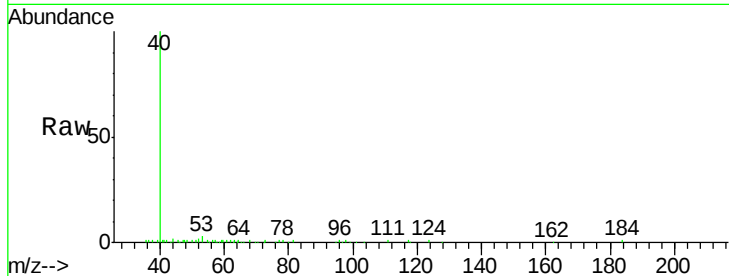
Tot Ion: 53 Resp: 879

Ion Ratio Lower Upper

53 100

52 73.5 66.0 99.0

51 0.0 28.0 42.0#



#16

Acetone

Concen: 1.734 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008244.D

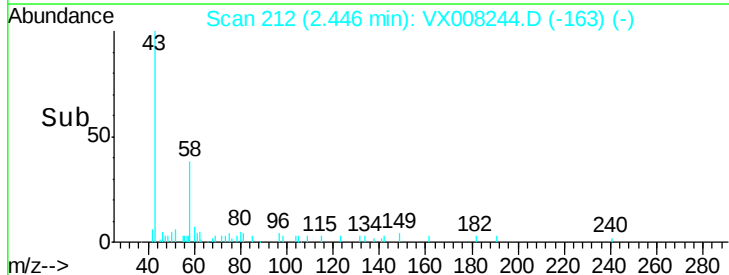
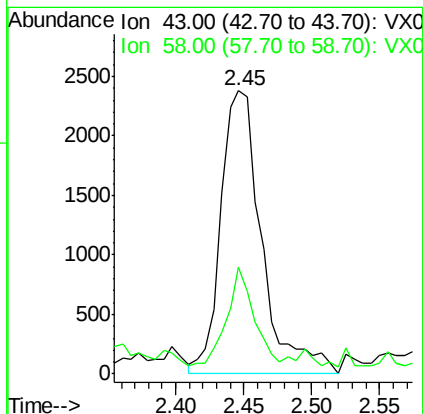
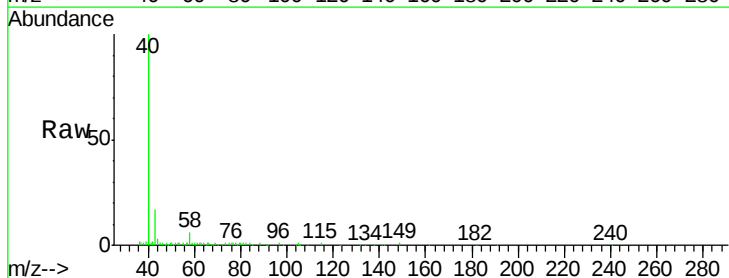
Acq: 20 Mar 2019 16:04

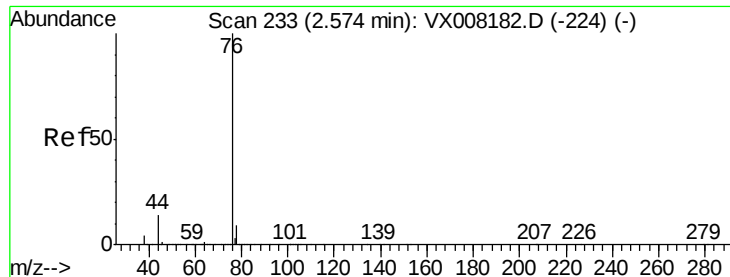
Tgt Ion: 43 Resp: 4982

Ion Ratio Lower Upper

43 100

58 35.2 25.5 38.3

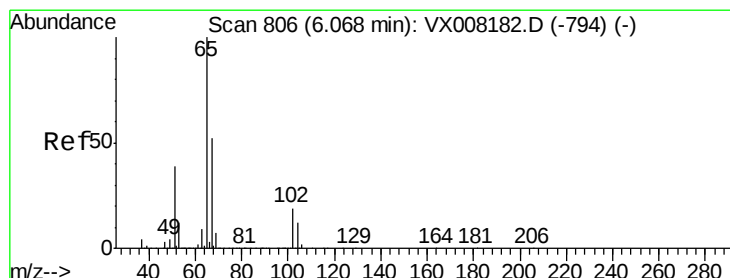
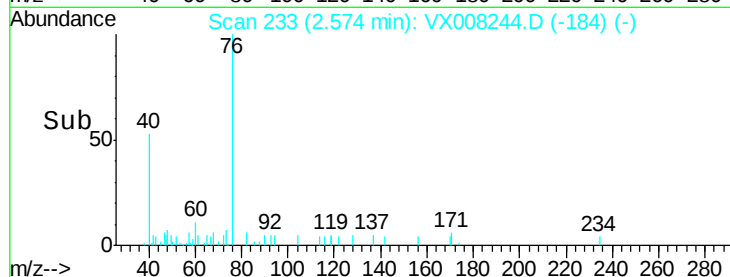
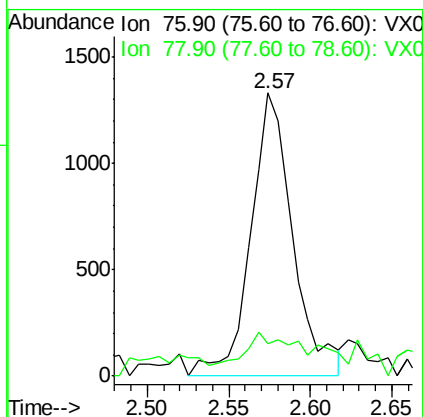
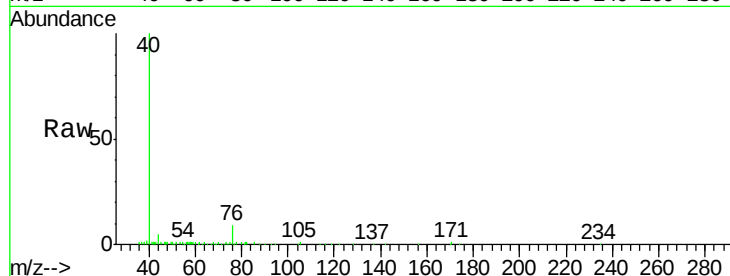




#17
Carbon Disulfide
Concen: 0.853 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX008244.D
Acq: 20 Mar 2019 16:04

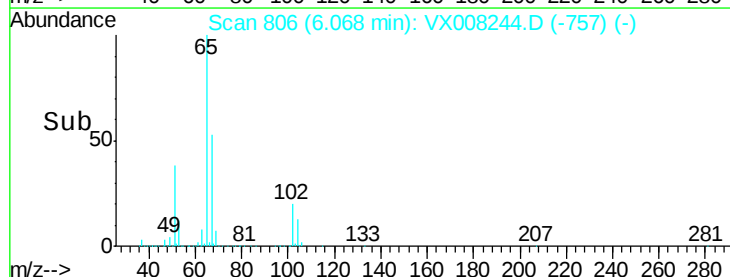
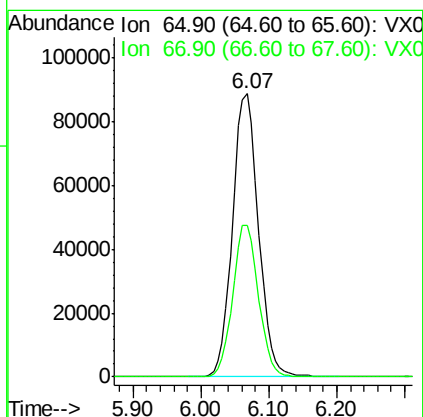
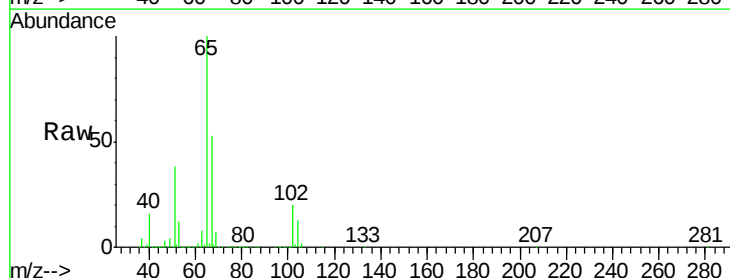
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW308I-20190317

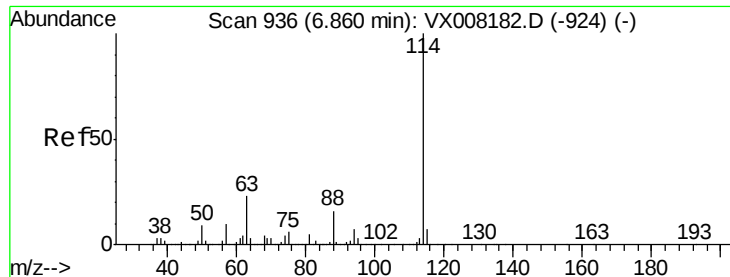
Tot Ion: 76 Resp: 2395
Ion Ratio Lower Upper
76 100
78 5.2 7.2 10.8#



#33
1,2-Dichloroethane-d4
Concen: 46.510 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX008244.D
Acq: 20 Mar 2019 16:04

Tgt Ion: 65 Resp: 235574
Ion Ratio Lower Upper
65 100
67 53.3 0.0 110.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008244.D

Acq: 20 Mar 2019 16:04

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW308I-20190317

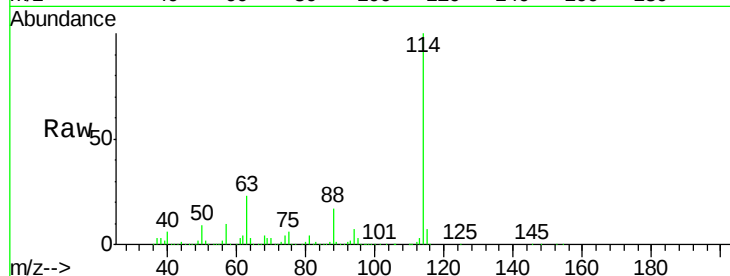
Tot Ion:114 Resp: 553743

Ion Ratio Lower Upper

114 100

63 22.6 0.0 39.8

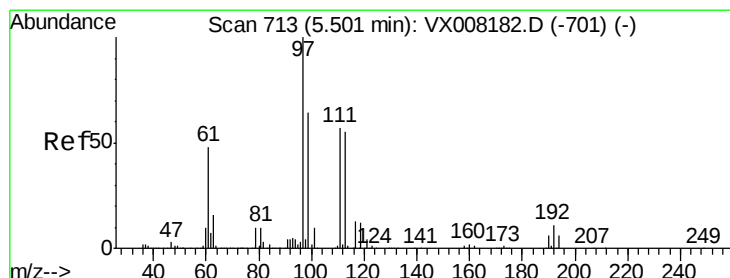
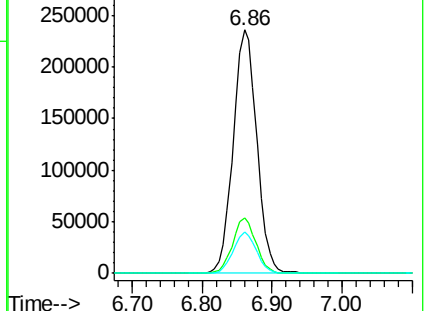
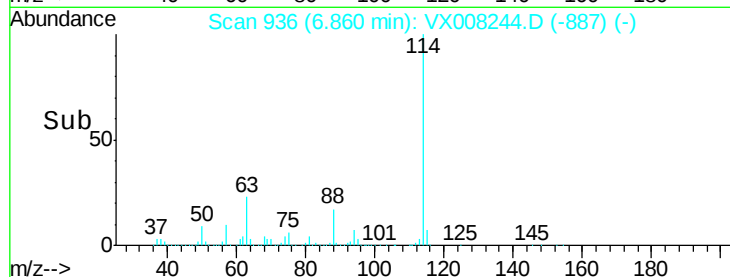
88 16.9 0.0 31.4



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: 46.966 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX008244.D

Acq: 20 Mar 2019 16:04

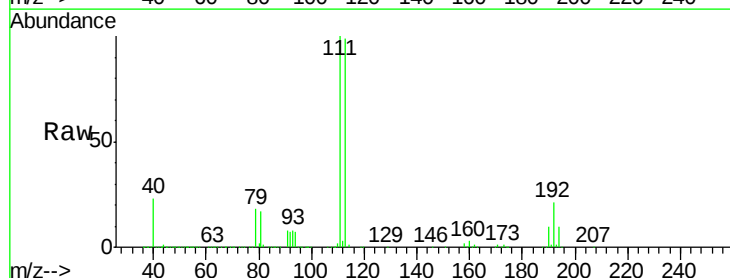
Tgt Ion:113 Resp: 174099

Ion Ratio Lower Upper

113 100

111 103.5 81.4 122.0

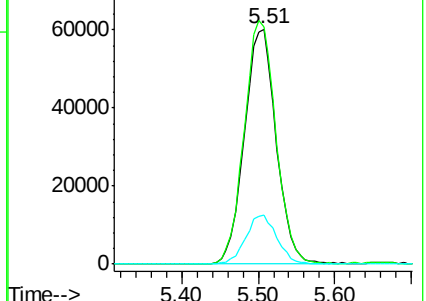
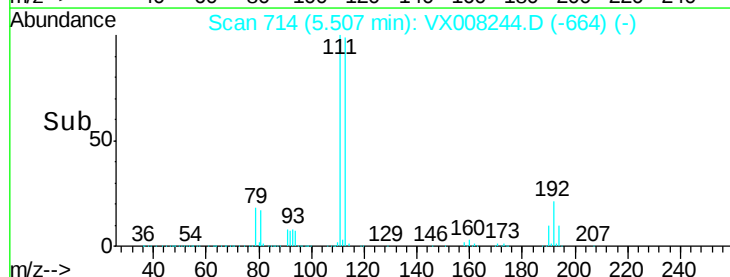
192 20.7 19.4 29.0

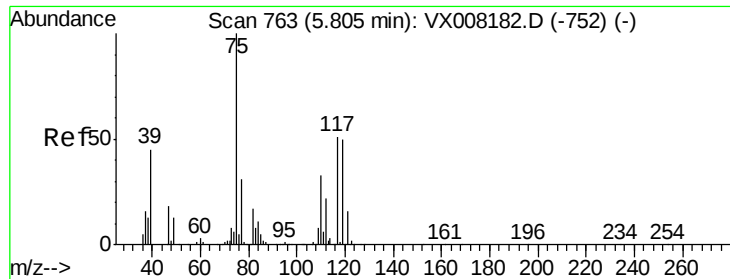


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

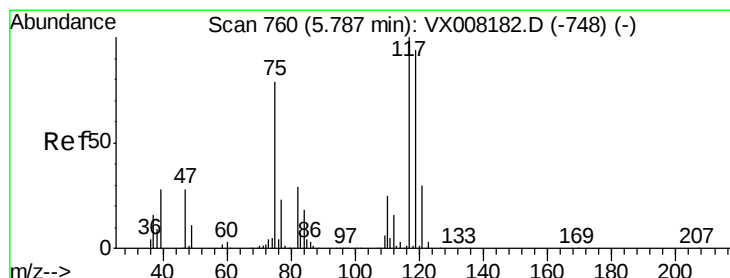
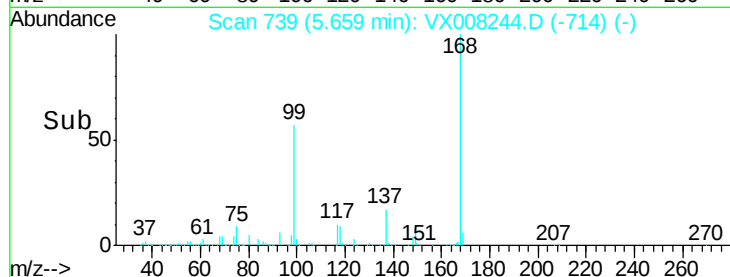
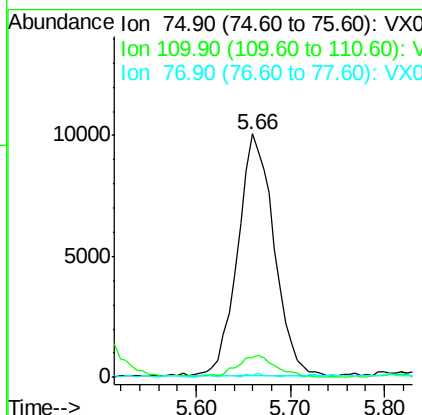
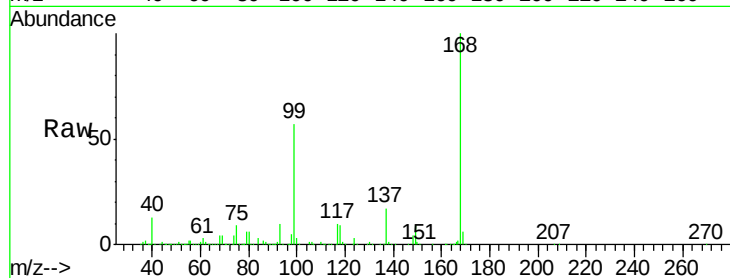




#36
 1,1-Dichloropropene
 Concen: 4.198 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.15 min
 Lab File: VX008244.D
 Acq: 20 Mar 2019 16:04

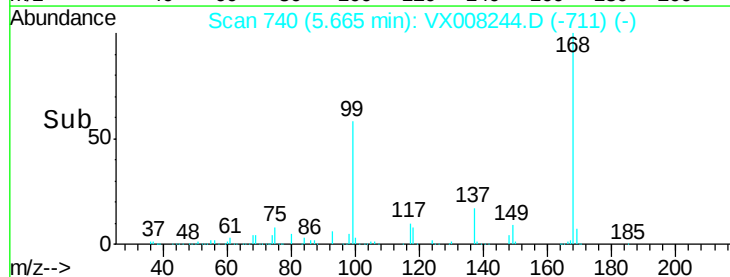
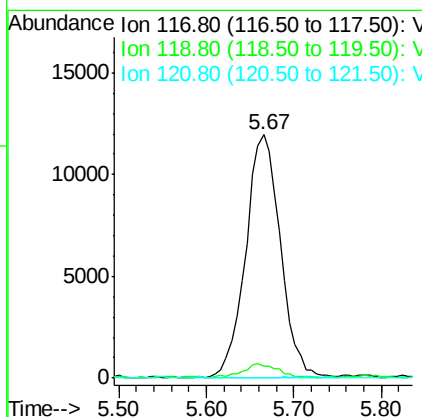
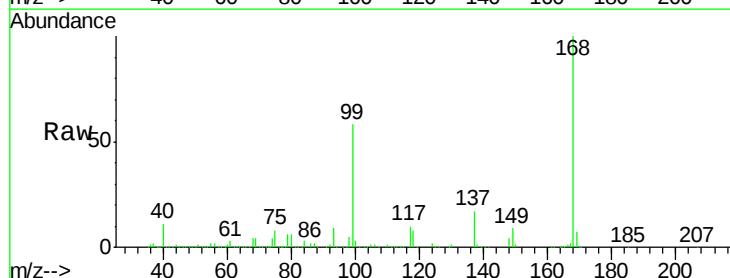
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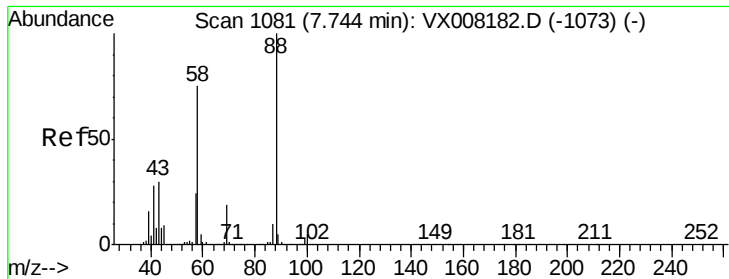
Tot Ion	75	Resp	27064
Ion Ratio	100	Lower	Upper
75	100		
110	9.8	18.4	55.0#
77	0.8	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.770 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008244.D
 Acq: 20 Mar 2019 16:04

Tgt Ion	117	Resp	33143
Ion Ratio	100	Lower	Upper
117	100		
119	4.9	76.2	114.2#
121	0.0	24.6	36.8#





#49

1,4-Dioxane

Concen: 0.742 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX008244.D

Acq: 20 Mar 2019 16:04

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW308I-20190317

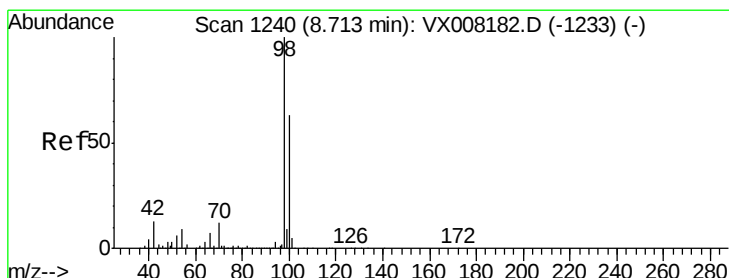
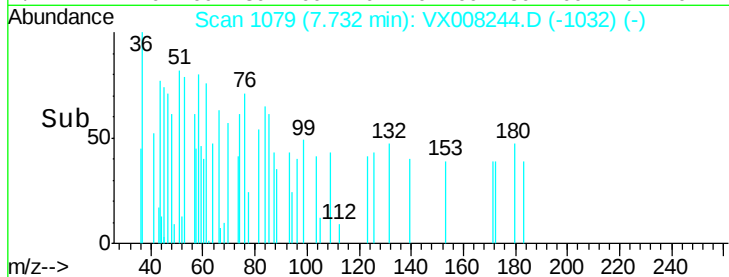
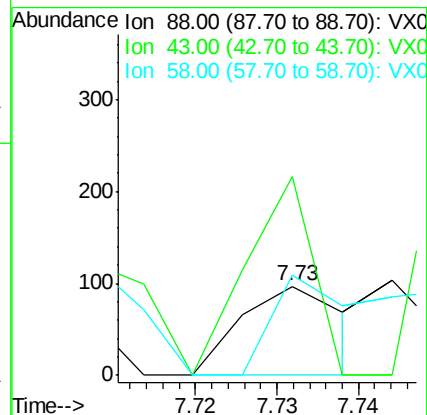
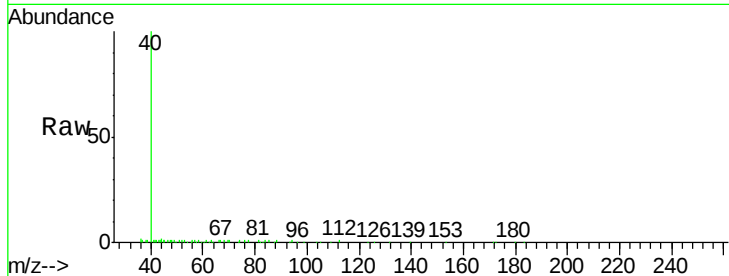
Tot Ion: 88 Resp: 85

Ion Ratio Lower Upper

88 100

43 142.4 25.1 37.7#

58 0.0 57.8 86.6#



#50

Toluene-d8

Concen: 48.341 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008244.D

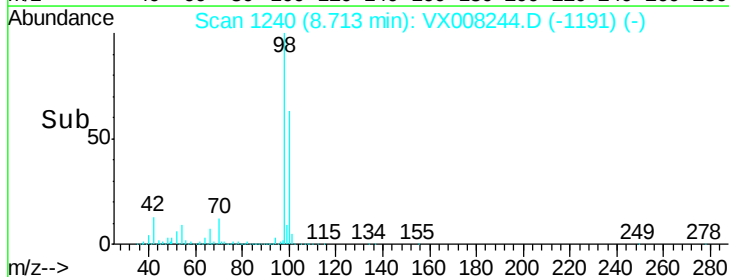
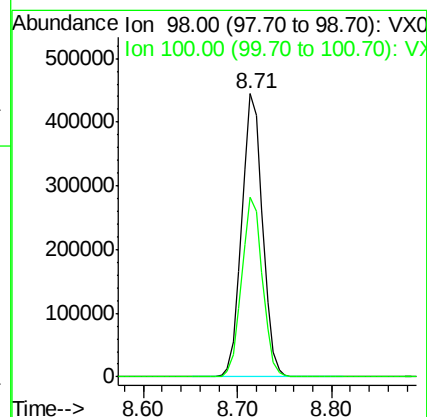
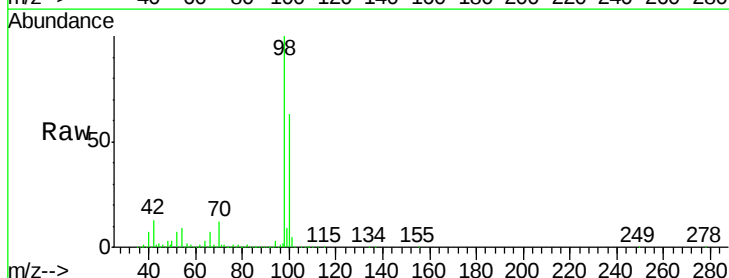
Acq: 20 Mar 2019 16:04

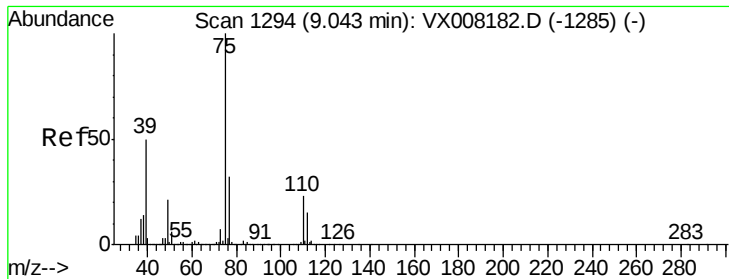
Tgt Ion: 98 Resp: 679395

Ion Ratio Lower Upper

98 100

100 63.3 51.7 77.5





#53

t-1,3-Dichloropropene

Concen: 1.471 ug/l

RT: 9.05 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX008244.D

Acq: 20 Mar 2019 16:04

Instrument :

MSVOA_X

ClientSampleId :

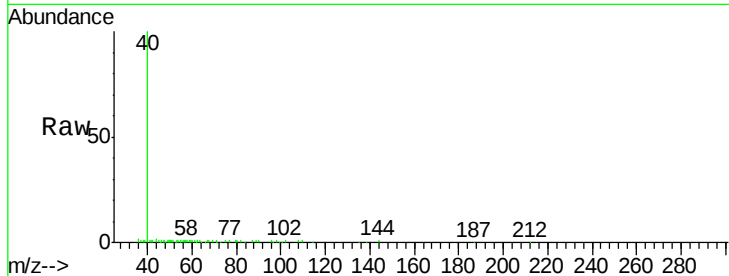
BPS1-TT-MW308I-20190317

Tot Ion: 75 Resp: 390

Ion Ratio Lower Upper

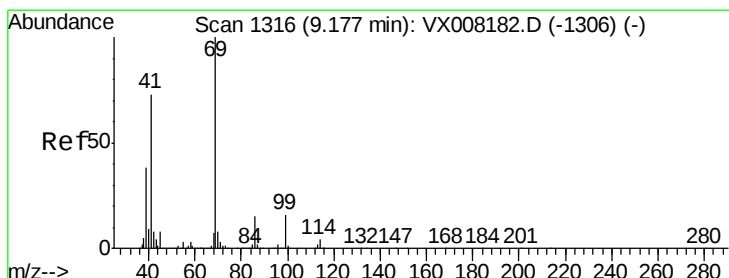
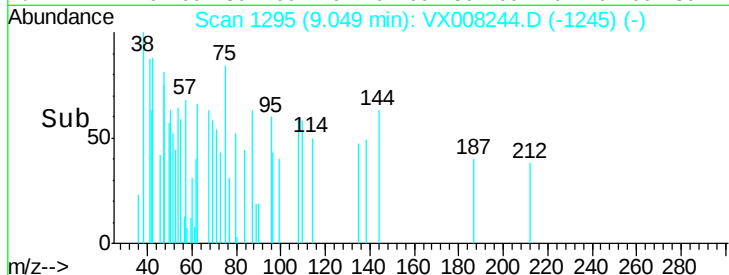
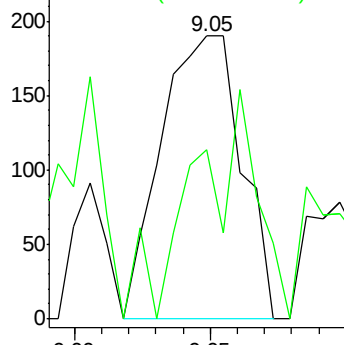
75 100

77 60.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#56

Ethyl methacrylate

Concen: 0.547 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008244.D

Acq: 20 Mar 2019 16:04

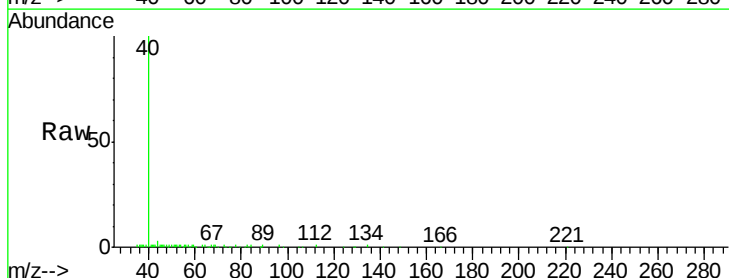
Tgt Ion: 69 Resp: 176

Ion Ratio Lower Upper

69 100

41 42.0 54.2 81.4#

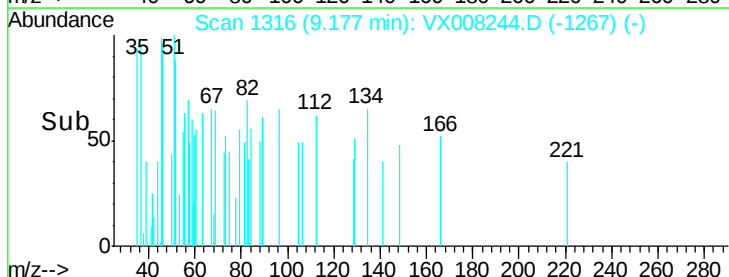
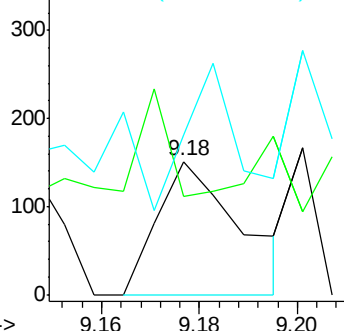
39 69.9 25.0 37.4#

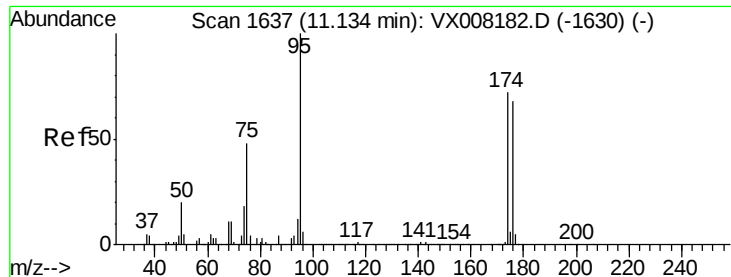


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.228 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008244.D

Acq: 20 Mar 2019 16:04

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW308I-20190317

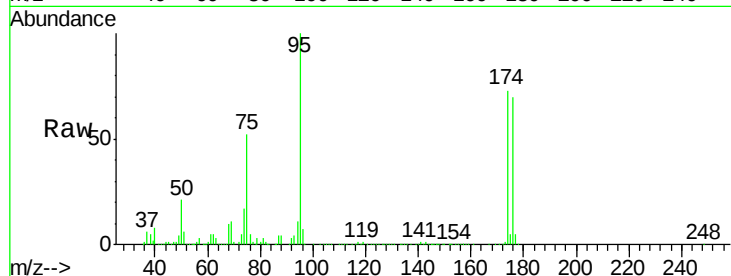
Tot Ion: 95 Resp: 218869

Ion Ratio Lower Upper

95 100

174 77.9 0.0 182.8

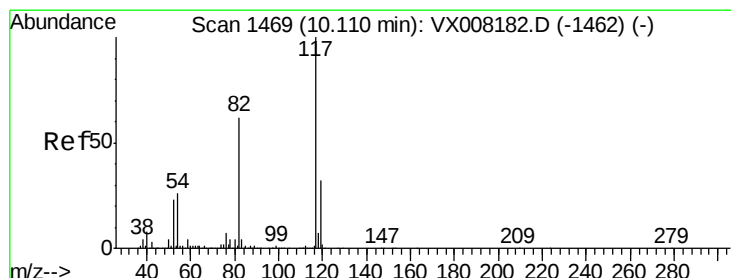
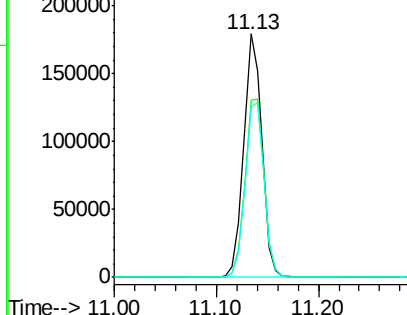
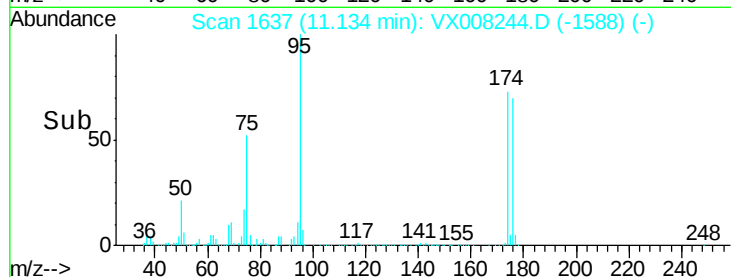
176 75.6 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX008244.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008244.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008244.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008244.D

Acq: 20 Mar 2019 16:04

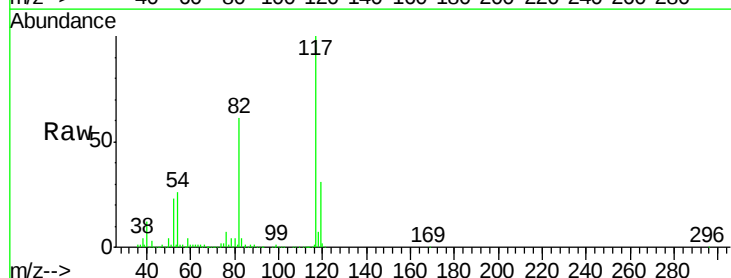
Tgt Ion: 117 Resp: 469373

Ion Ratio Lower Upper

117 100

82 61.0 44.3 66.5

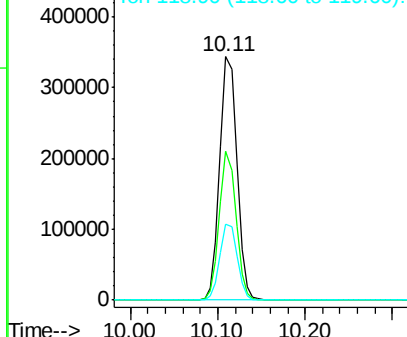
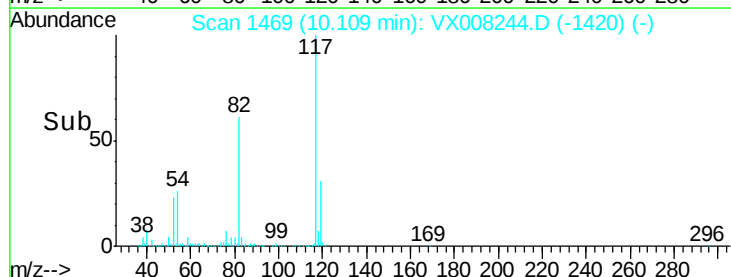
119 31.0 25.3 37.9

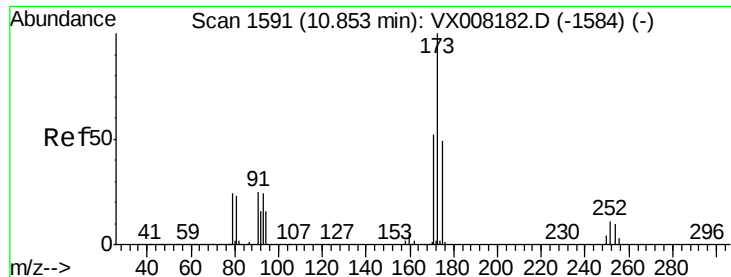


Abundance Ion 116.90 (116.60 to 117.60): VX008244.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008244.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008244.D (-1420) (-)





#71

Bromoform

Concen: 2.220 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX008244.D

Acq: 20 Mar 2019 16:04

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW308I-20190317

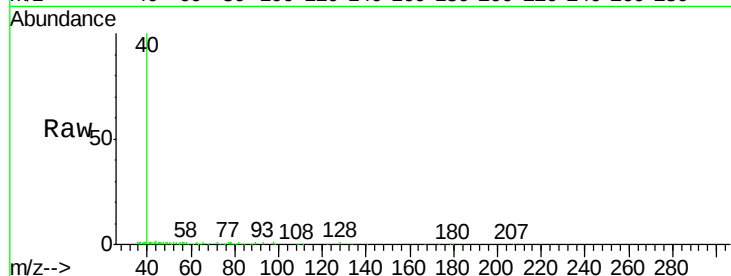
Tot Ion:173 Resp: 63

Ion Ratio Lower Upper

173 100

175 0.0 24.3 72.9#

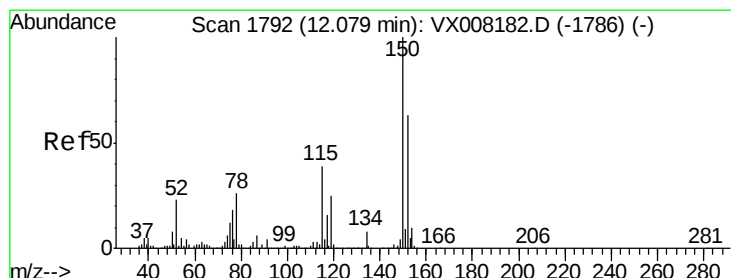
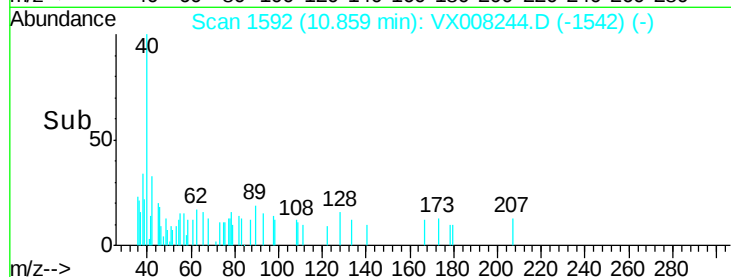
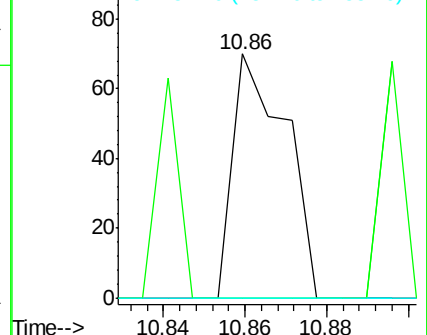
254 0.0 0.1 0.1#



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: VX008244.D

Acq: 20 Mar 2019 16:04

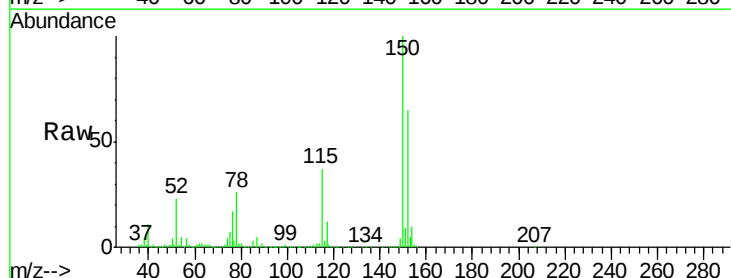
Tgt Ion:152 Resp: 189866

Ion Ratio Lower Upper

152 100

115 59.3 38.6 115.7

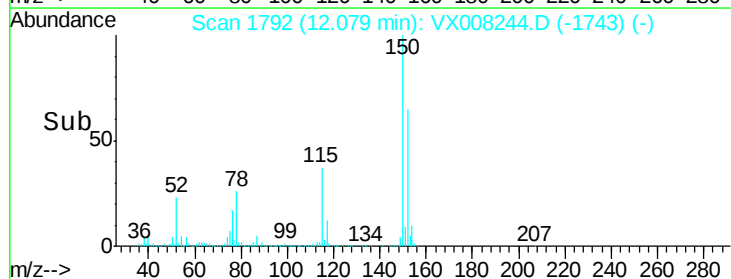
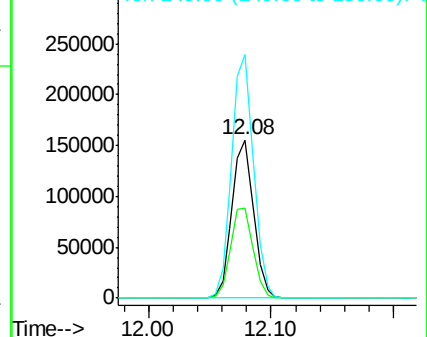
150 155.9 0.0 348.4

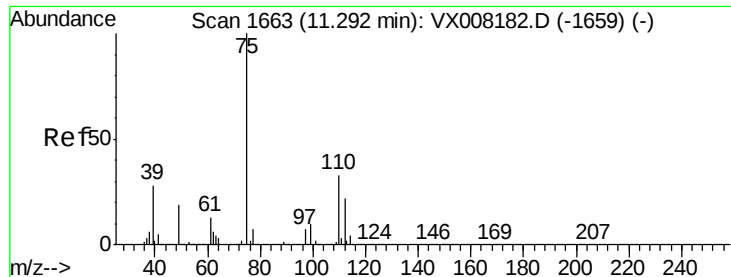


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.394 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008244.D

Acq: 20 Mar 2019 16:04

Instrument :

MSVOA_X

ClientSampleId :

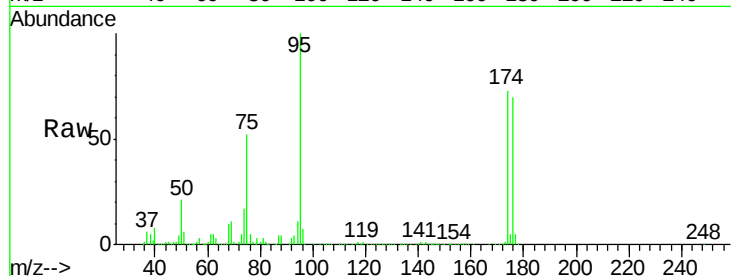
BPS1-TT-MW308I-20190317

Tot Ion: 75 Resp: 114247

Ion Ratio Lower Upper

75 100

77 1.2 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

100000

80000

60000

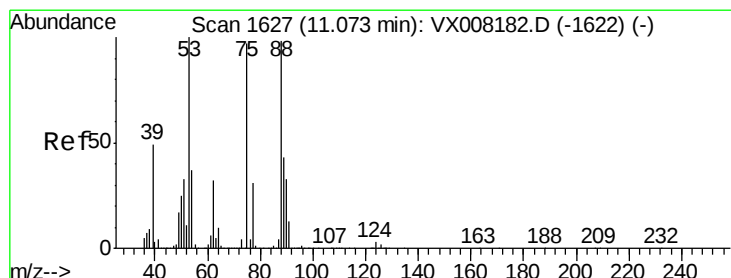
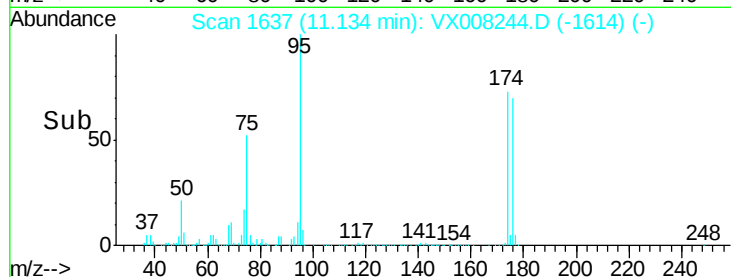
40000

20000

0

Time-->

11.00 11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 54.409 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008244.D

Acq: 20 Mar 2019 16:04

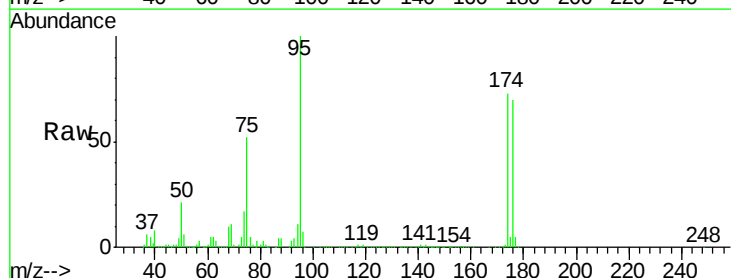
Tgt Ion: 75 Resp: 114247

Ion Ratio Lower Upper

75 100

53 0.1 76.1 114.1#

89 0.1 36.3 54.5#



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

11.13

120000

100000

80000

60000

40000

20000

0

Time-->

11.00 11.10 11.20

