

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031519\
 Data File : VX008115.D
 Acq On : 15 Mar 2019 19:30
 Operator : JC/SP
 Sample : K1856-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB01-20190310

Quant Time: Mar 16 01:08:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	261377	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	390560	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	375117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186960	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	130730	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
35) Dibromofluoromethane	5.51	113	126691	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
50) Toluene-d8	8.71	98	471651	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
62) 4-Bromofluorobenzene	11.13	95	172861	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	

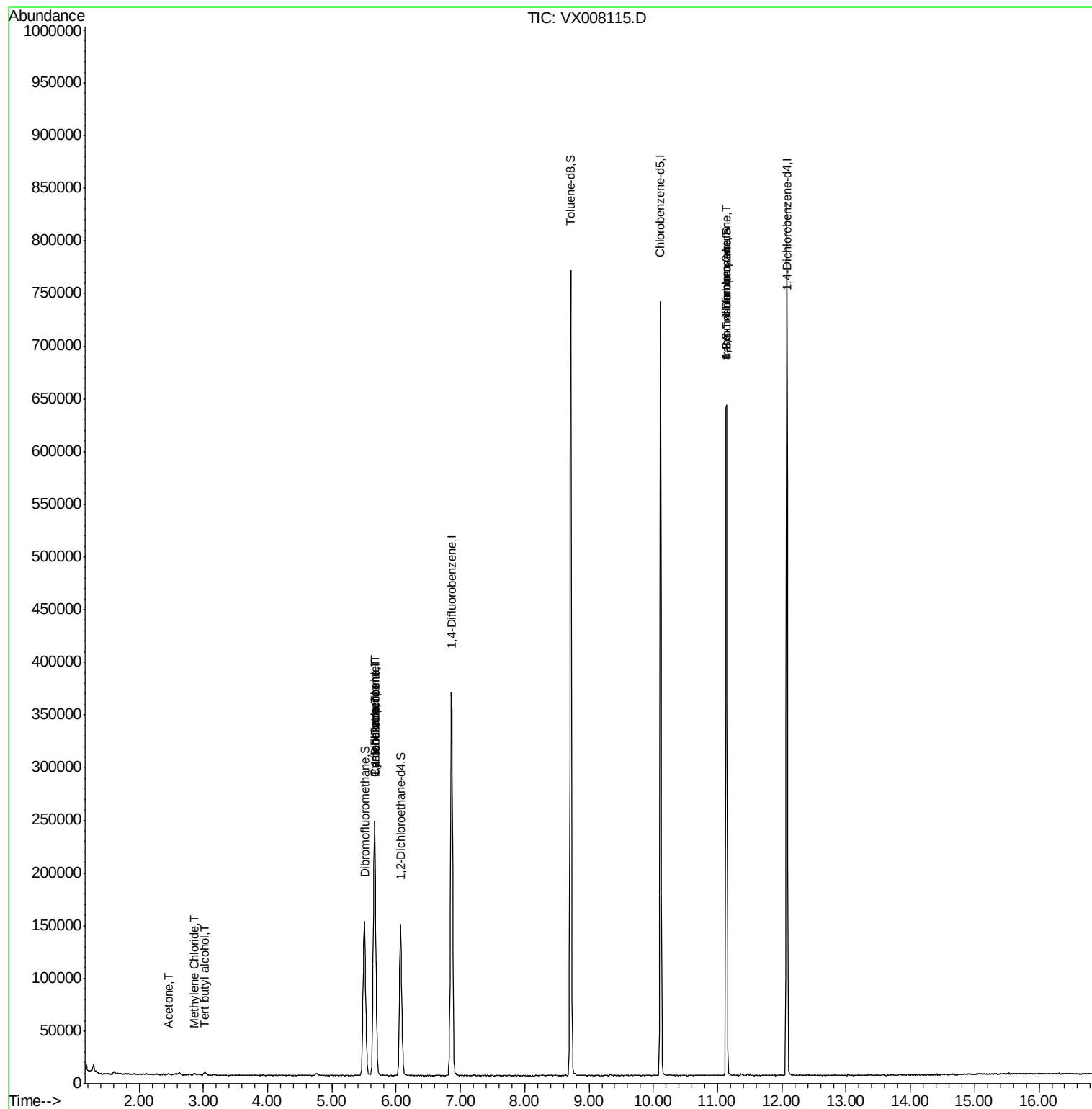
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	472	Below Cal	#	70
6) Chloroethane	1.70	64	105	Below Cal	#	43
11) Tert butyl alcohol	3.02	59	1703	3.343	ug/l #	73
16) Acetone	2.45	43	1825	1.466	ug/l #	78
20) Methylene Chloride	2.86	84	748	0.336	ug/l	96
31) Cyclohexane	5.67	56	3811	1.011	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14822	4.613	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21565	6.973	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	76686	23.618	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	76686	67.208	ug/l #	11

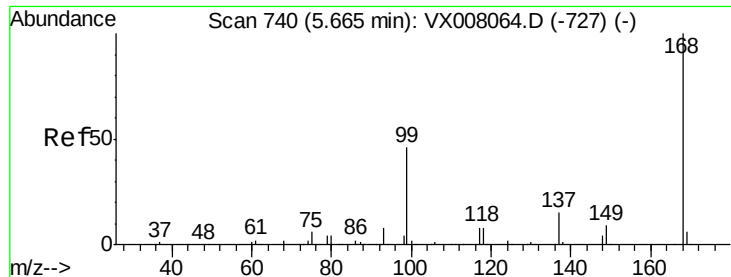
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031519\
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Quant Title : SW846 8260
QLast Update : Fri Mar 15 03:56:35 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008115.D

Acq: 15 Mar 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

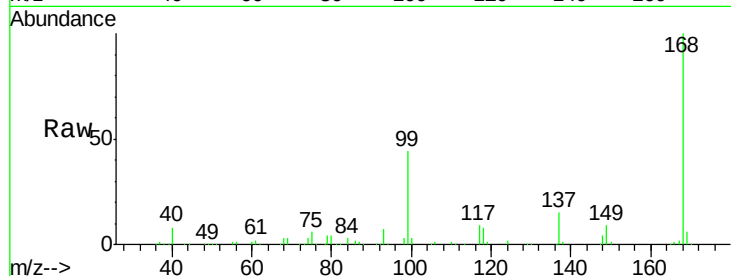
BP-TB01-20190310

Tot Ion:168 Resp: 261377

Ion Ratio Lower Upper

168 100

99 44.3 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

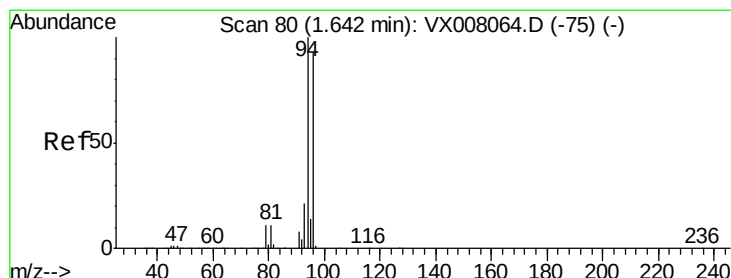
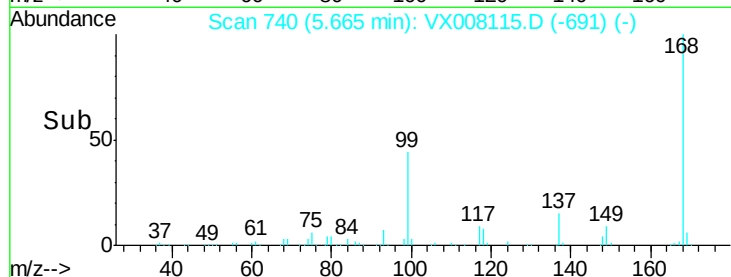
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX008115.D

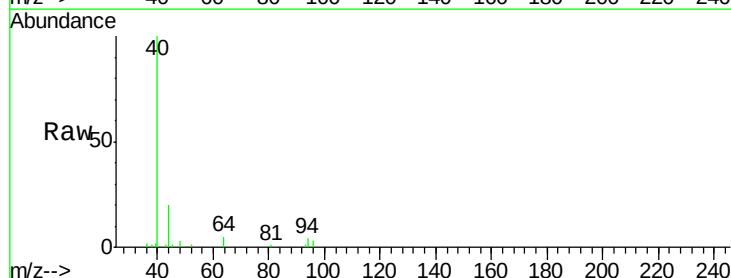
Acq: 15 Mar 2019 19:30

Tgt Ion: 94 Resp: 472

Ion Ratio Lower Upper

94 100

96 65.6 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

250

200

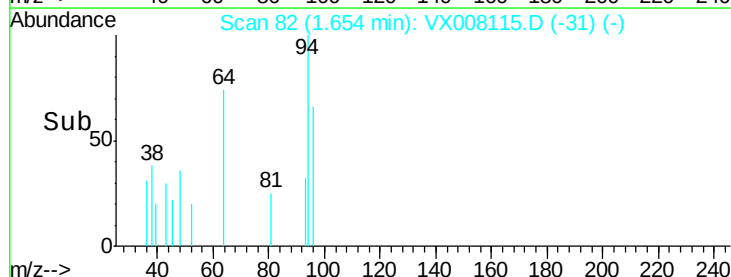
150

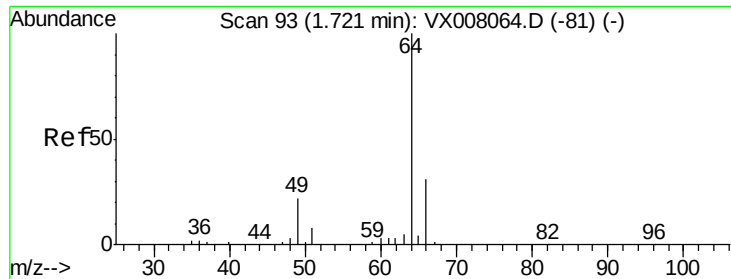
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.02 min

Lab File: VX008115.D

Acq: 15 Mar 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

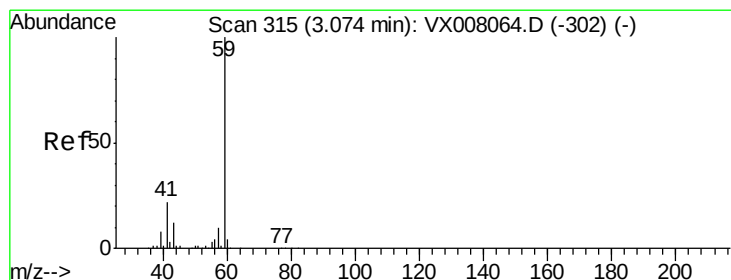
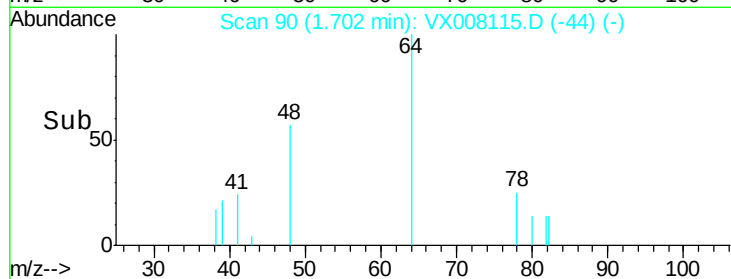
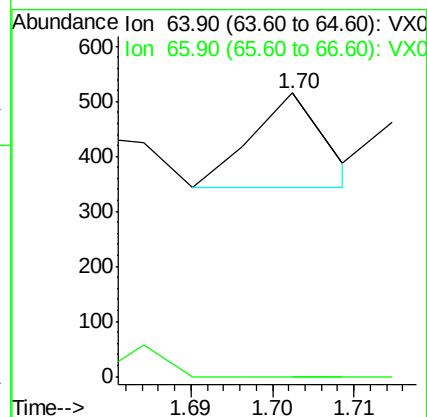
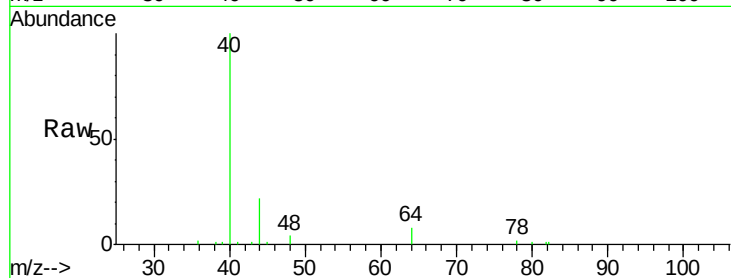
BP-TB01-20190310

Tot Ion: 64 Resp: 105

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#



#11

Tert butyl alcohol

Concen: 3.343 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.05 min

Lab File: VX008115.D

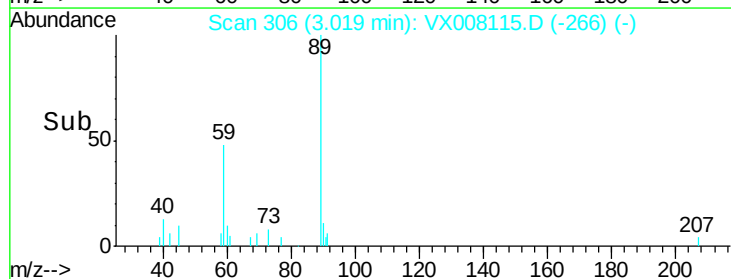
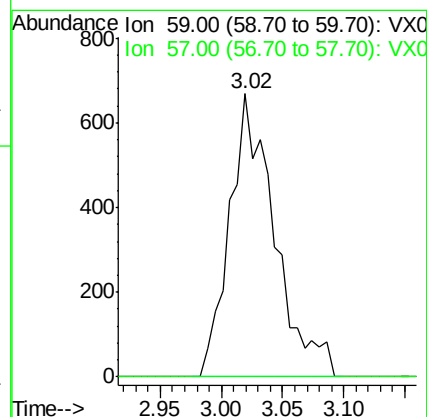
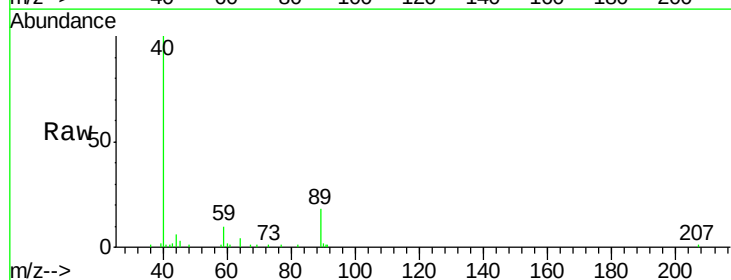
Acq: 15 Mar 2019 19:30

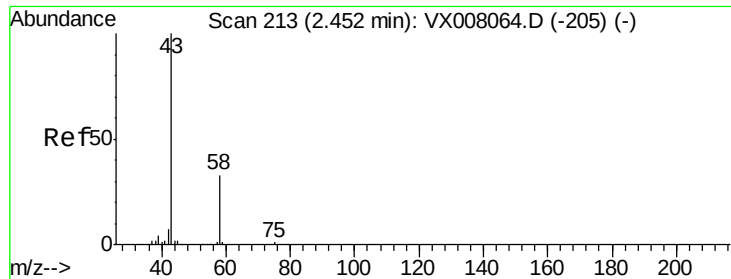
Tgt Ion: 59 Resp: 1703

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#





#16

Acetone

Concen: 1.466 ug/l

RT: 2.45 min Scan# 213

Delta R.T. -0.00 min

Lab File: VX008115.D

Acq: 15 Mar 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

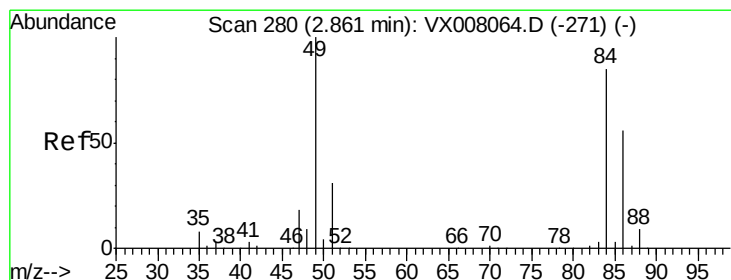
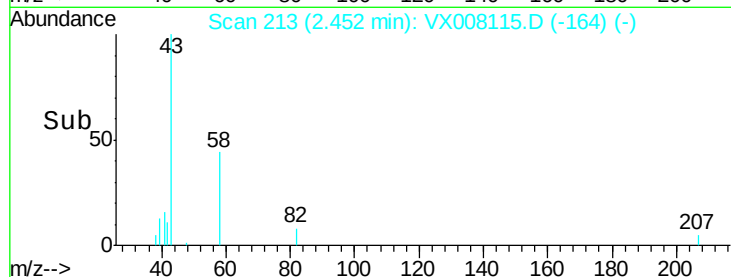
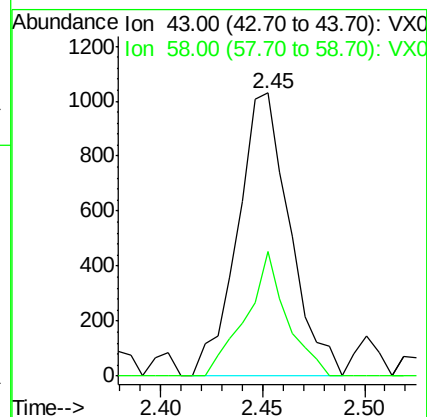
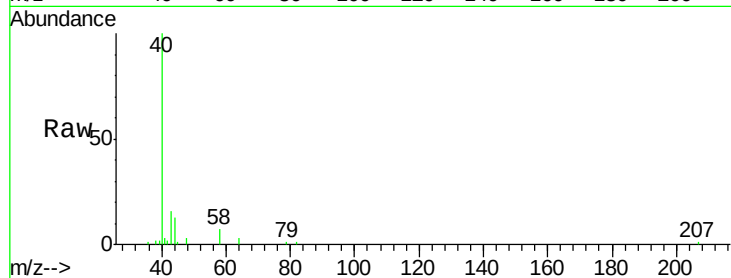
BP-TB01-20190310

Tot Ion: 43 Resp: 1825

Ion Ratio Lower Upper

43 100

58 43.9 25.5 38.3#



#20

Methylene Chloride

Concen: 0.336 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX008115.D

Acq: 15 Mar 2019 19:30

Tgt Ion: 84 Resp: 748

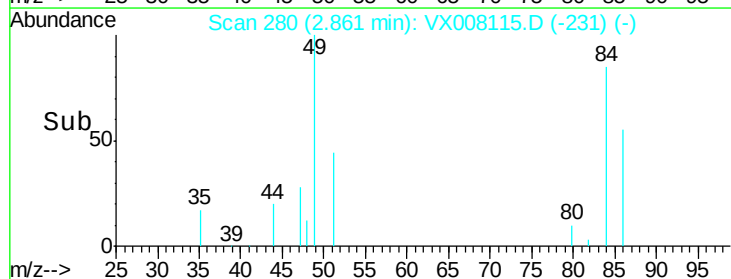
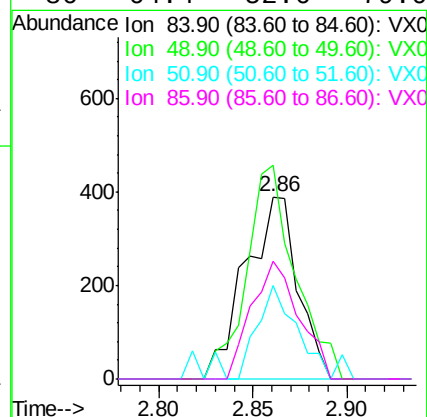
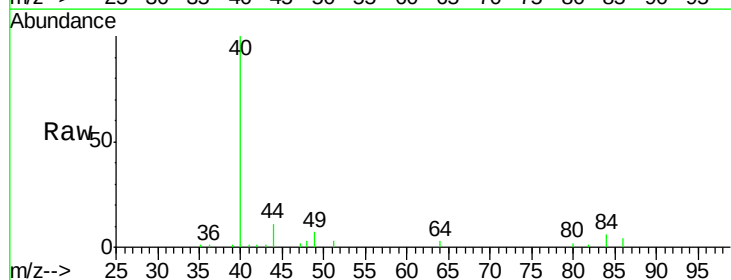
Ion Ratio Lower Upper

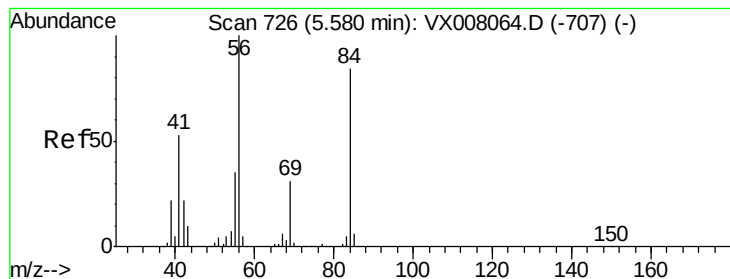
84 100

49 117.2 99.3 148.9

51 37.7 31.3 46.9

86 64.4 52.6 79.0





#31

Cyclohexane

Concen: 1.011 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008115.D

Acq: 15 Mar 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

BP-TB01-20190310

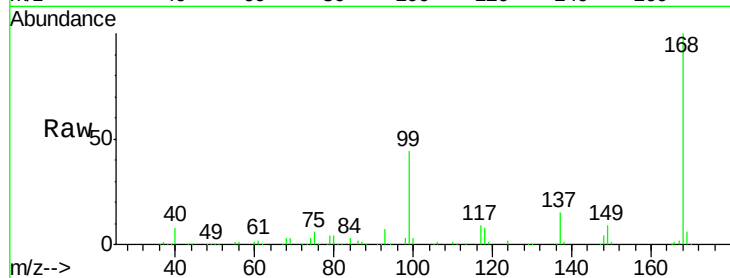
Tot Ion: 56 Resp: 3811

Ion Ratio Lower Upper

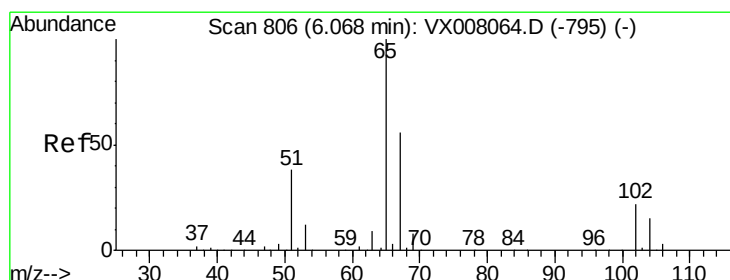
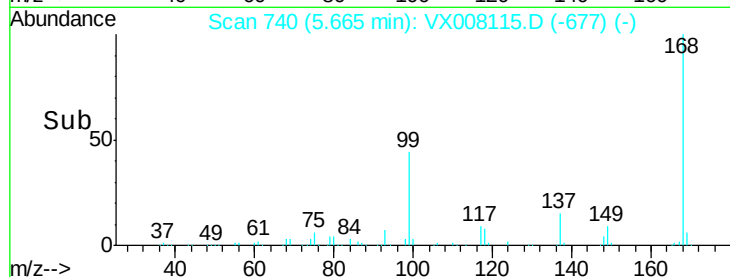
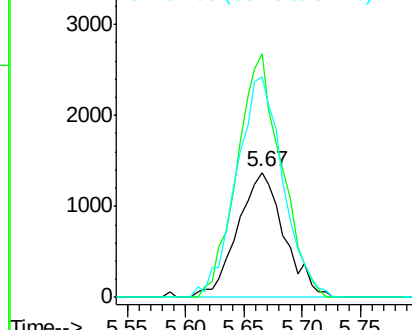
56 100

69 194.4 24.0 36.0#

84 175.8 65.3 97.9#



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: 49.582 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX008115.D

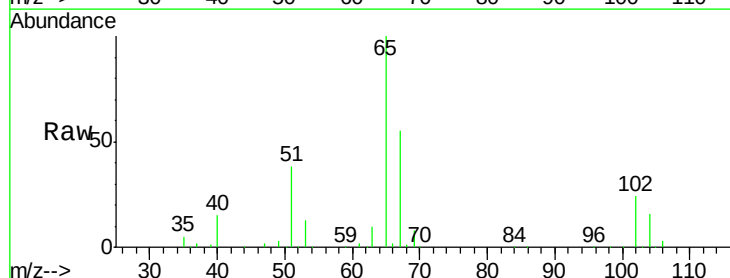
Acq: 15 Mar 2019 19:30

Tgt Ion: 65 Resp: 130730

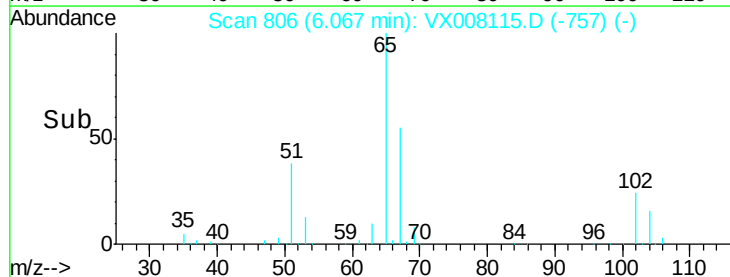
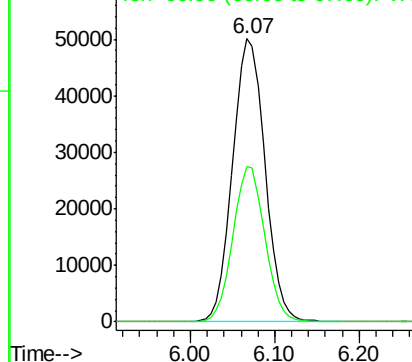
Ion Ratio Lower Upper

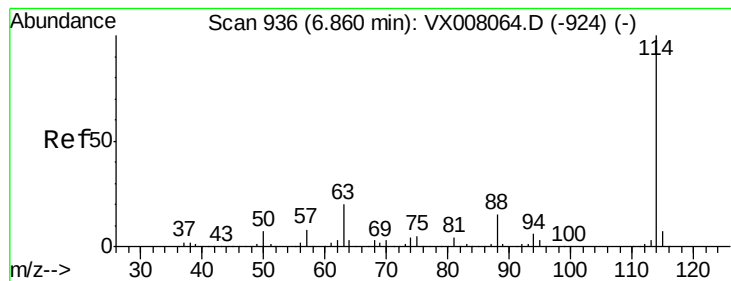
65 100

67 53.9 0.0 110.0



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: VX008115.D

Acq: 15 Mar 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

BP-TB01-20190310

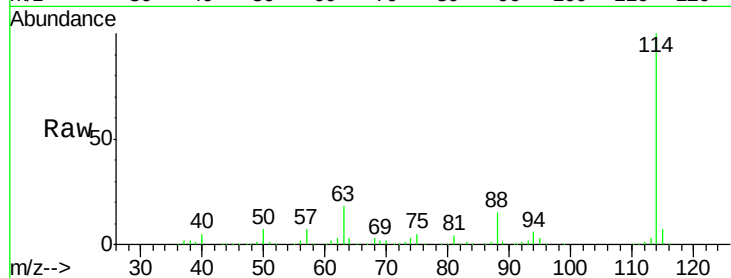
Tot Ion:114 Resp: 390560

Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.8

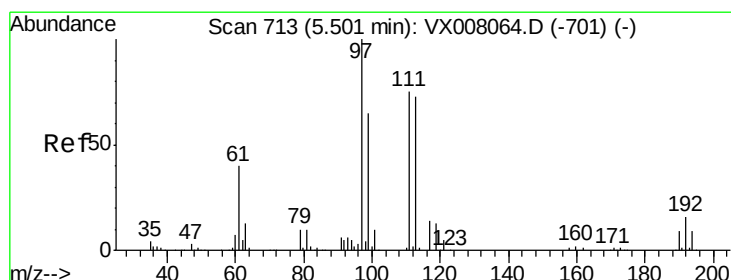
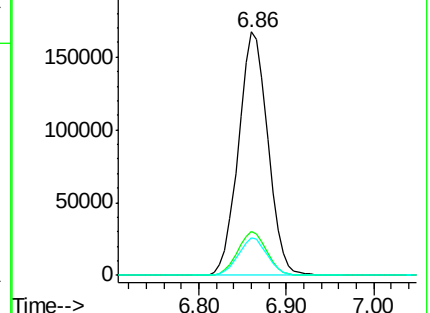
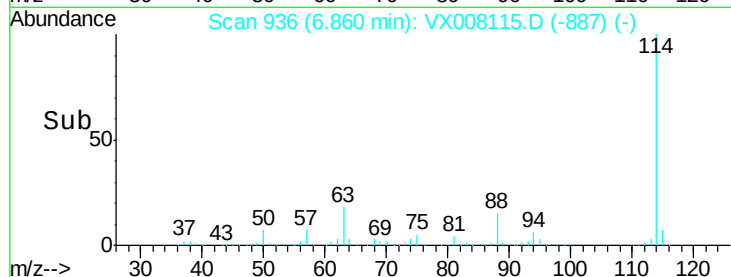
88 15.3 0.0 31.4



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: 51.153 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX008115.D

Acq: 15 Mar 2019 19:30

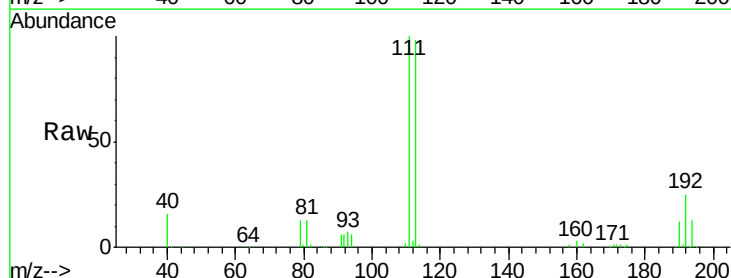
Tgt Ion:113 Resp: 126691

Ion Ratio Lower Upper

113 100

111 101.5 81.4 122.0

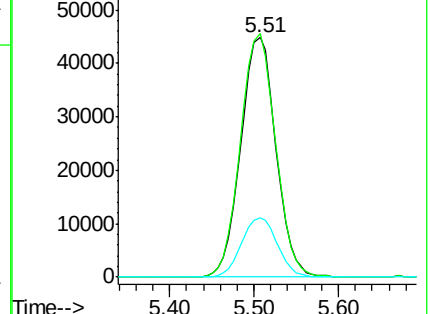
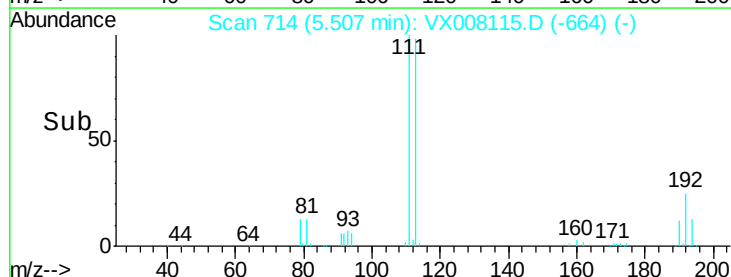
192 25.2 19.4 29.0

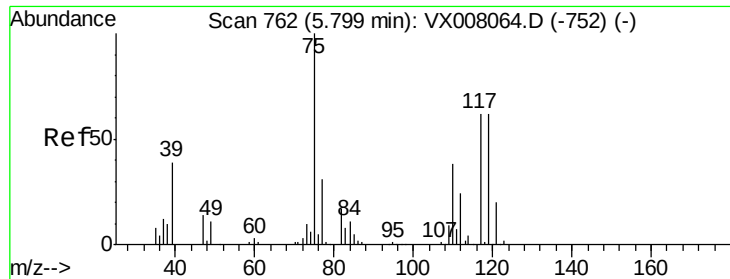


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

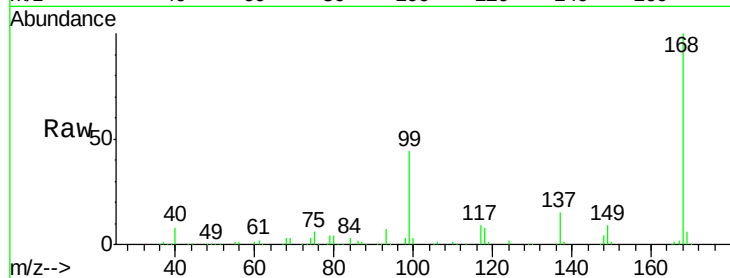




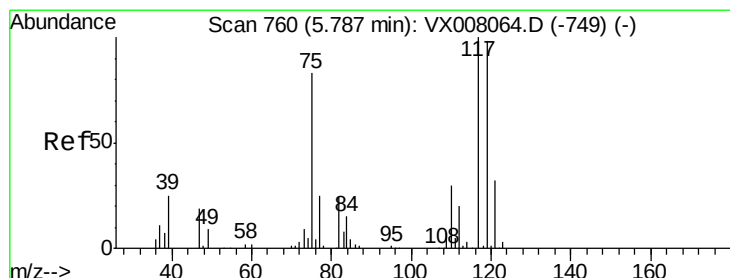
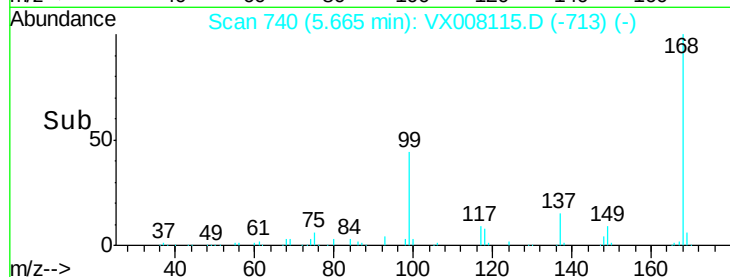
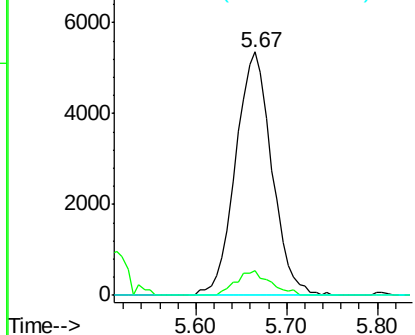
#36
 1,1-Dichloropropene
 Concen: 4.613 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX008115.D
 Acq: 15 Mar 2019 19:30

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB01-20190310

Tot Ion: 75 Resp: 14822
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.4 55.0#
 77 0.0 25.0 37.4#

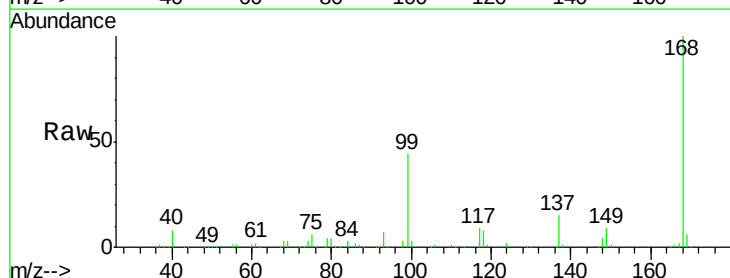


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

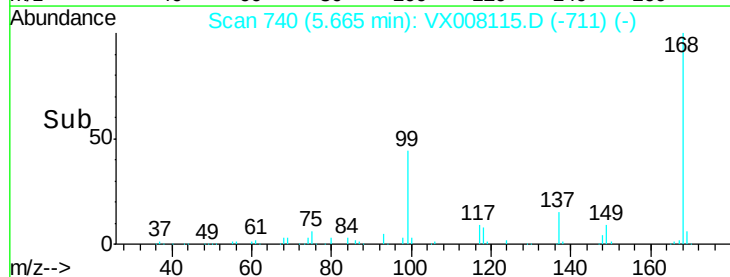
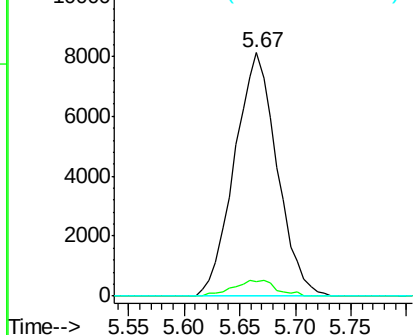


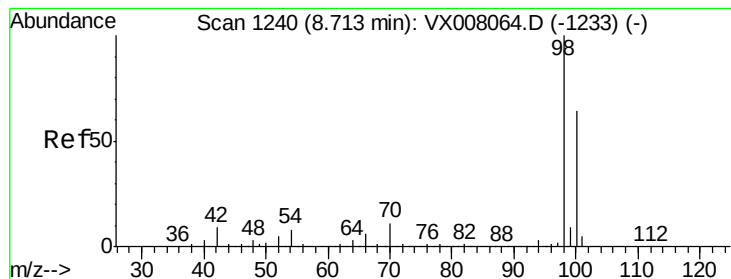
#38
 Carbon Tetrachloride
 Concen: 6.973 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008115.D
 Acq: 15 Mar 2019 19:30

Tgt Ion: 117 Resp: 21565
 Ion Ratio Lower Upper
 117 100
 119 6.0 76.2 114.2#
 121 0.0 24.6 36.8#



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





#50

Toluene-d8

Concen: 50.071 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008115.D

Acq: 15 Mar 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

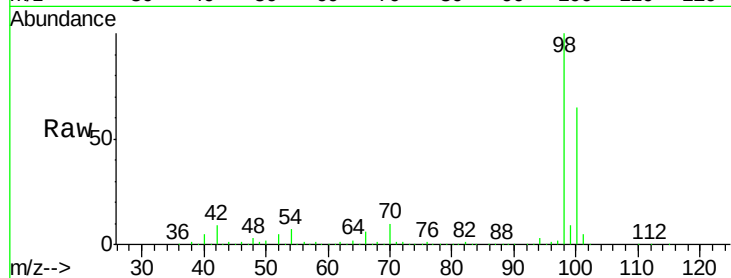
BP-TB01-20190310

Tot Ion: 98 Resp: 471651

Ion Ratio Lower Upper

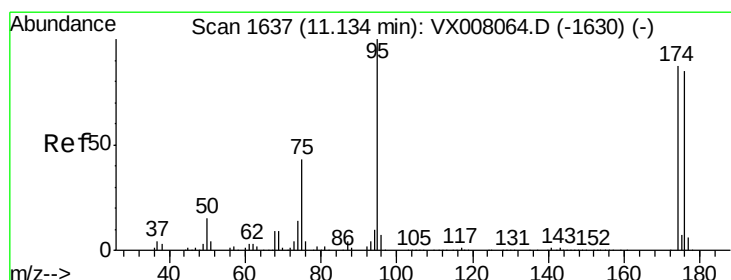
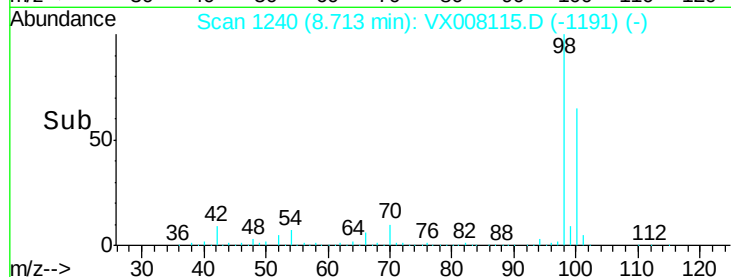
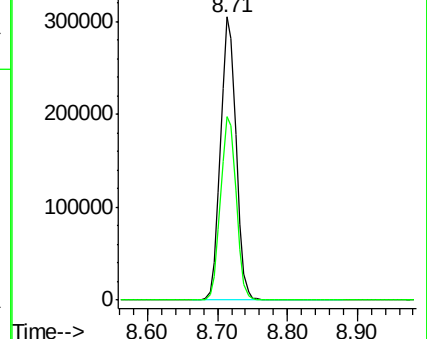
98 100

100 65.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 51.226 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008115.D

Acq: 15 Mar 2019 19:30

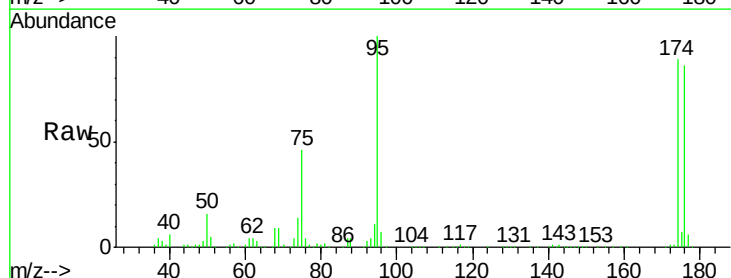
Tgt Ion: 95 Resp: 172861

Ion Ratio Lower Upper

95 100

174 97.9 0.0 182.8

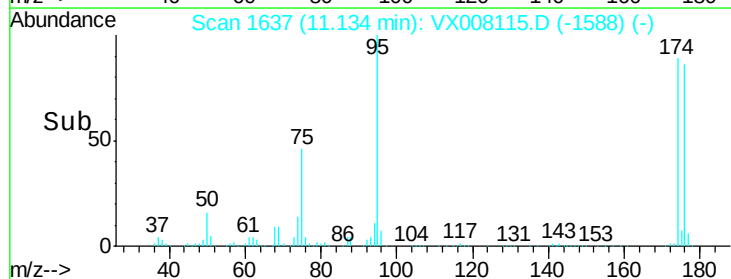
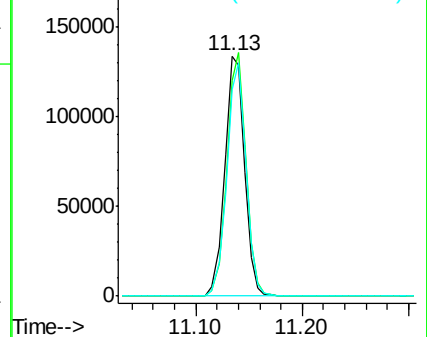
176 94.4 0.0 178.0

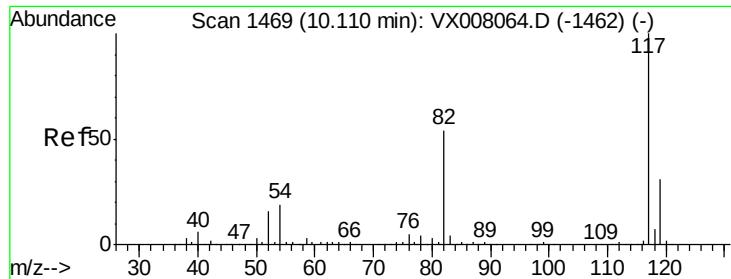


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

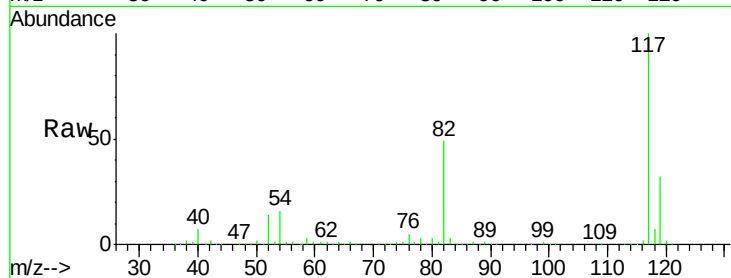




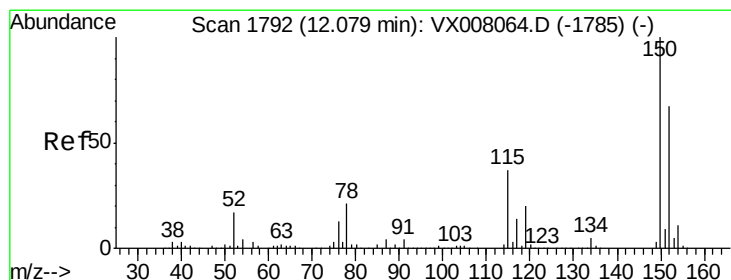
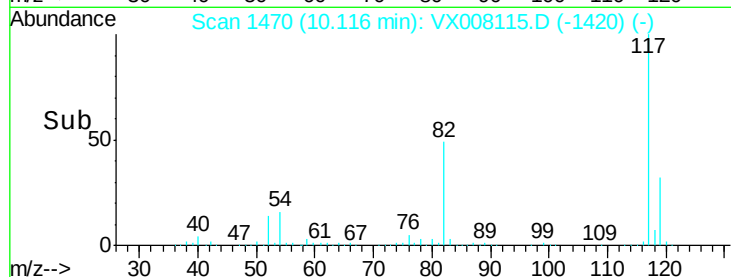
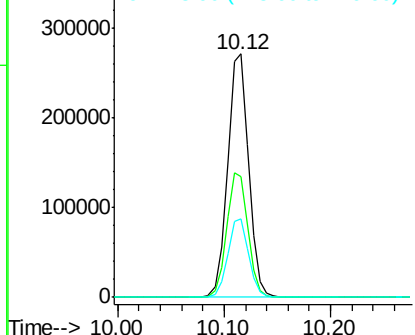
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008115.D
Acq: 15 Mar 2019 19:30

Instrument :
MSVOA_X
ClientSampleId :
BP-TB01-20190310

Tot Ion:117 Resp: 375117
Ion Ratio Lower Upper
117 100
82 49.5 44.3 66.5
119 32.2 25.3 37.9

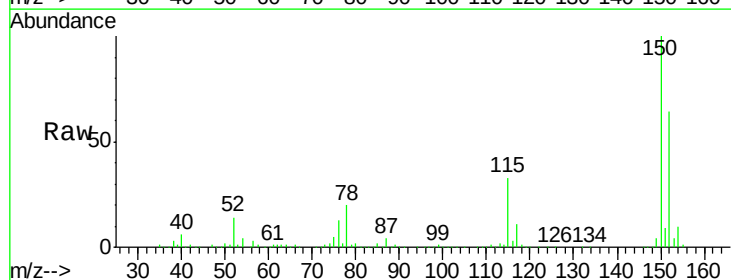


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

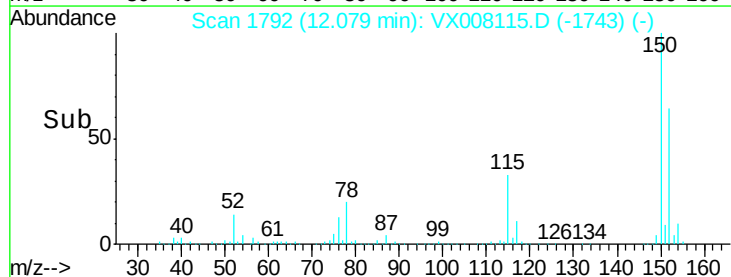
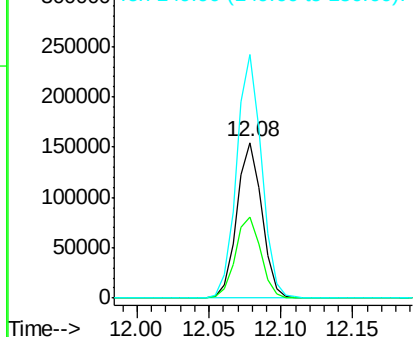


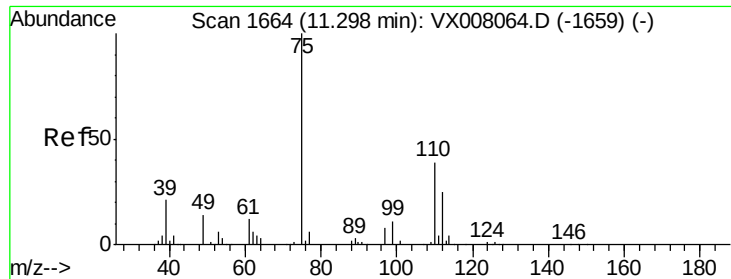
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008115.D
Acq: 15 Mar 2019 19:30

Tgt Ion:152 Resp: 186960
Ion Ratio Lower Upper
152 100
115 54.0 38.6 115.7
150 157.3 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: 23.618 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008115.D

Acq: 15 Mar 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

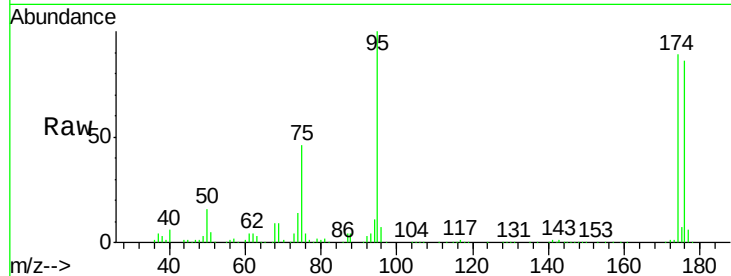
BP-TB01-20190310

Tot Ion: 75 Resp: 76686

Ion Ratio Lower Upper

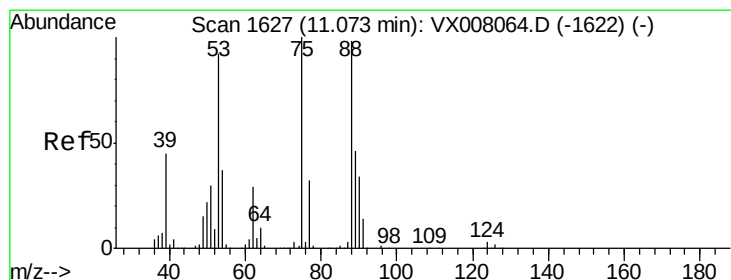
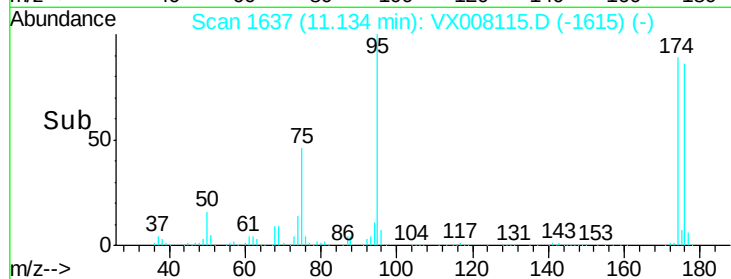
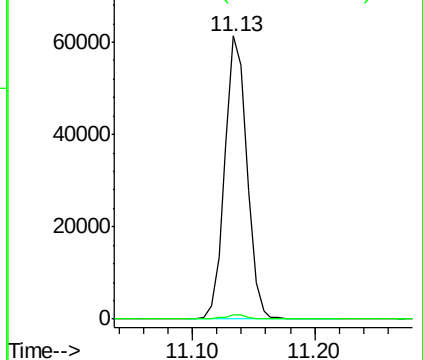
75 100

77 1.5 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 67.208 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008115.D

Acq: 15 Mar 2019 19:30

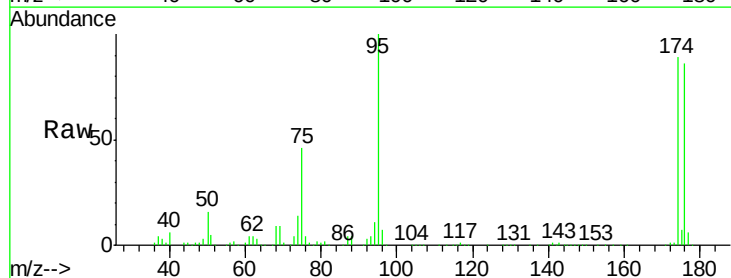
Tgt Ion: 75 Resp: 76686

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 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

