

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032419\
 Data File : VX008396.D
 Acq On : 24 Mar 2019 16:51
 Operator : JC/SP
 Sample : K1969-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-HN-MW29IR-20190316

Quant Time: Mar 25 05:47:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	216169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	371532	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	319071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	128474	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	160058	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
35) Dibromofluoromethane	5.50	113	116788	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
50) Toluene-d8	8.71	98	466500	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.13	95	155004	44.34	ug/l	0.00
Spiked Amount			Recovery	=	88.68%	

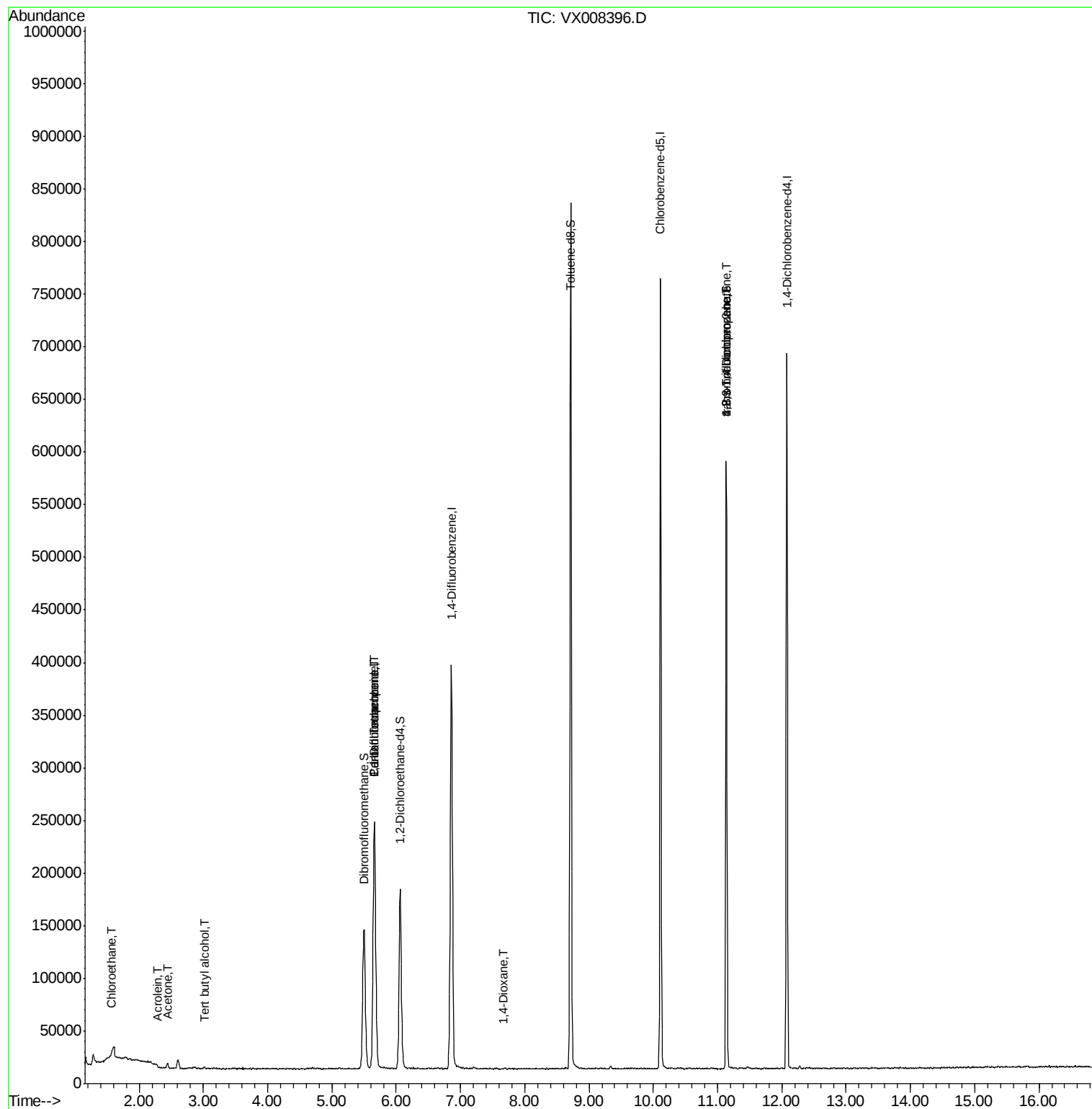
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.57	64	15999	7.715	ug/l #	53
11) Tert butyl alcohol	3.01	59	815	1.110	ug/l #	88
13) Acrolein	2.29	56	151	0.241	ug/l #	13
16) Acetone	2.44	43	4424	2.684	ug/l	99
36) 1,1-Dichloropropene	5.66	75	19091	5.029	ug/l #	48
38) Carbon Tetrachloride	5.67	117	22247	6.836	ug/l #	17
49) 1,4-Dioxane	7.65	88	20	0.246	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	80909	24.060	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	80909	68.565	ug/l #	12

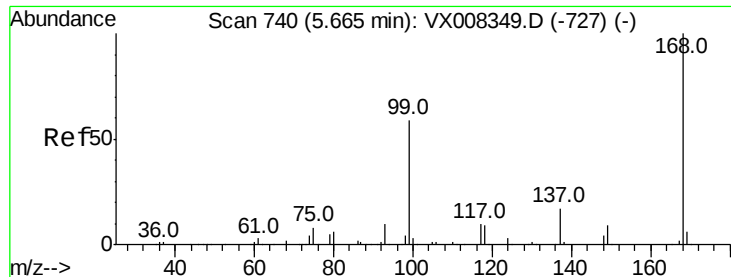
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008396.D

Acq: 24 Mar 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

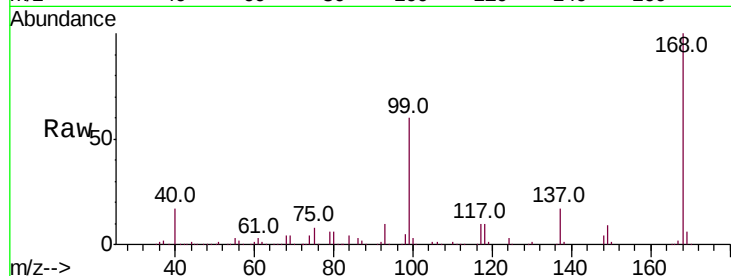
BP-HN-MW29IR-20190316

Tot Ion:168 Resp: 216169

Ion Ratio Lower Upper

168 100

99 60.0 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): VX008349.D

Ion 98.90 (98.60 to 99.60): VX008349.D

5.67

80000

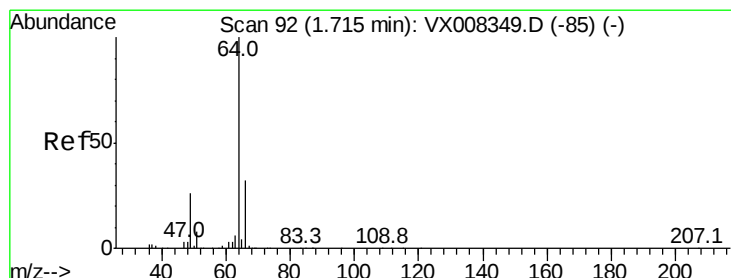
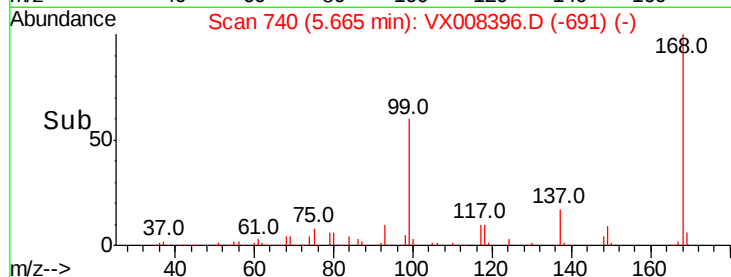
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 7.715 ug/l

RT: 1.57 min Scan# 68

Delta R.T. -0.15 min

Lab File: VX008396.D

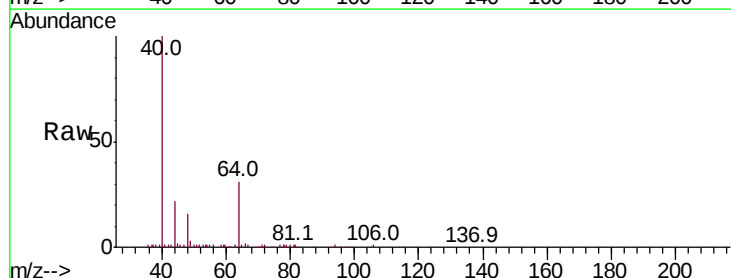
Acq: 24 Mar 2019 16:51

Tgt Ion: 64 Resp: 15999

Ion Ratio Lower Upper

64 100

66 5.6 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX008349.D

Ion 65.90 (65.60 to 66.60): VX008349.D

1.57

5000

4000

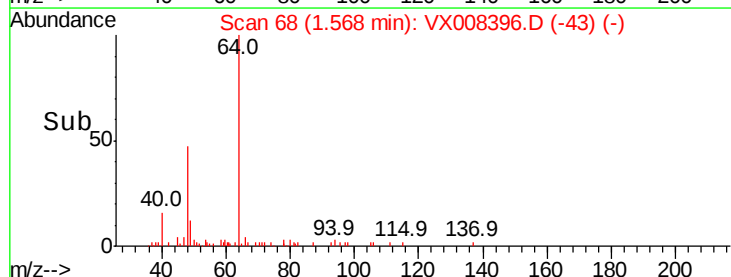
3000

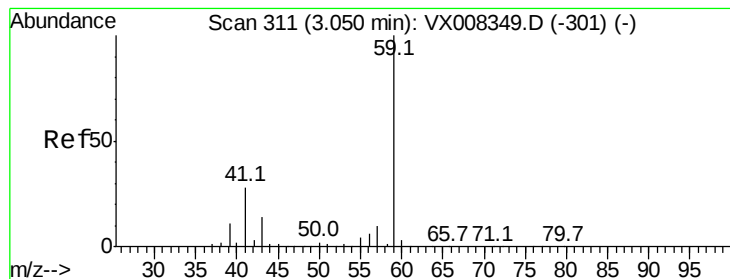
2000

1000

0

Time--> 1.40 1.50 1.60





#11

Tert butyl alcohol

Concen: 1.110 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX008396.D

Acq: 24 Mar 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

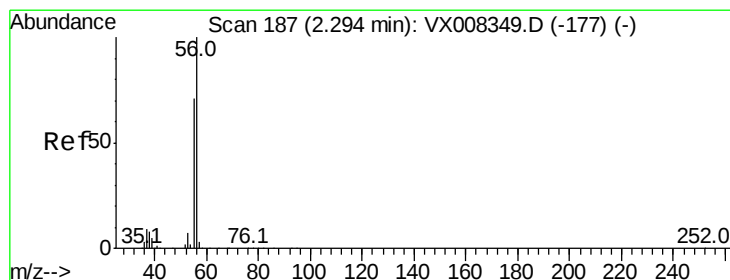
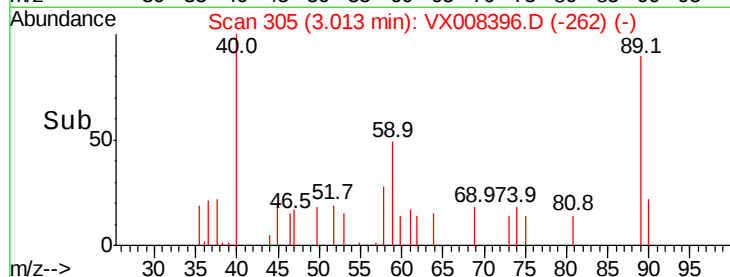
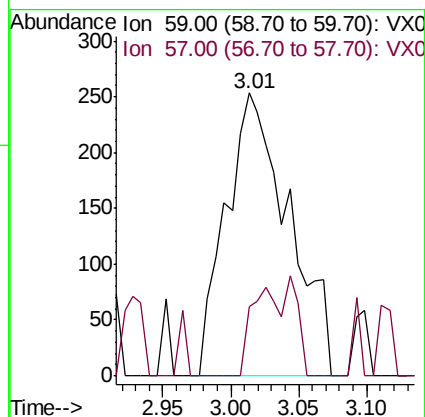
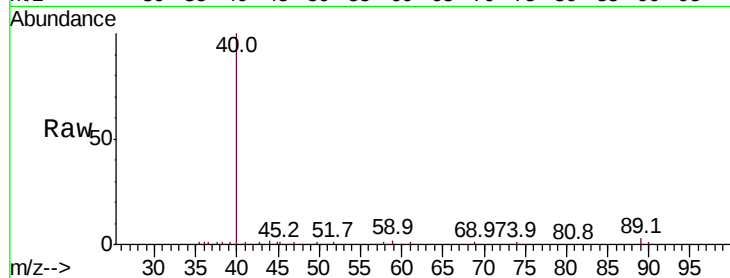
BP-HN-MW29IR-20190316

Tot Ion: 59 Resp: 815

Ion Ratio Lower Upper

59 100

57 14.7 8.2 12.2#



#13

Acrolein

Concen: 0.241 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008396.D

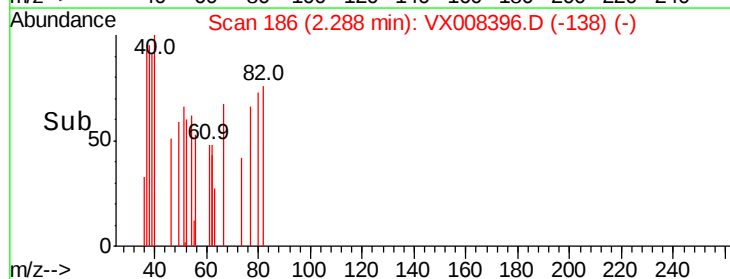
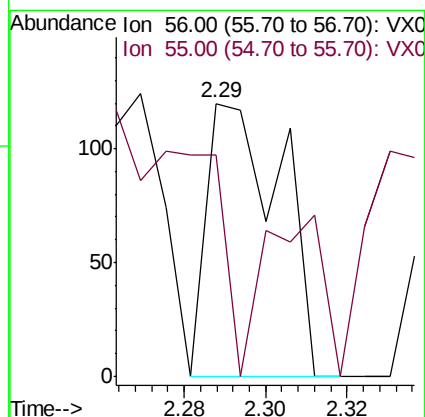
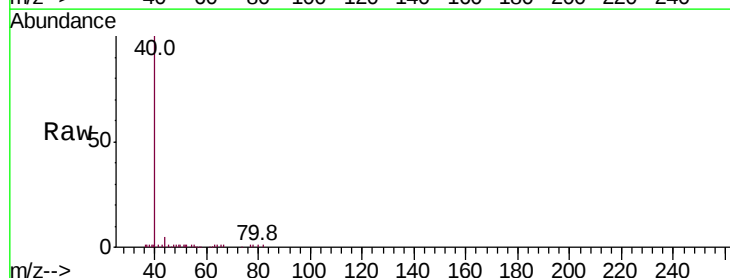
Acq: 24 Mar 2019 16:51

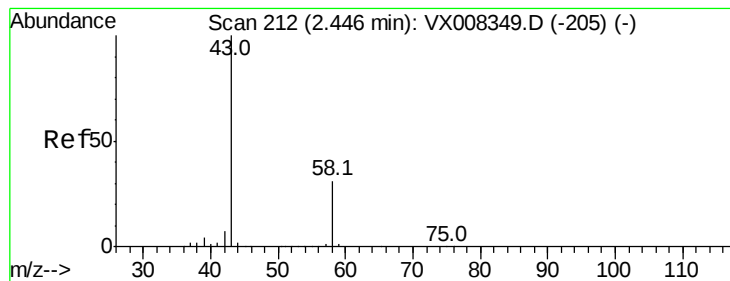
Tgt Ion: 56 Resp: 151

Ion Ratio Lower Upper

56 100

55 0.0 57.8 86.6#





#16

Acetone

Concen: 2.684 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008396.D

Acq: 24 Mar 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

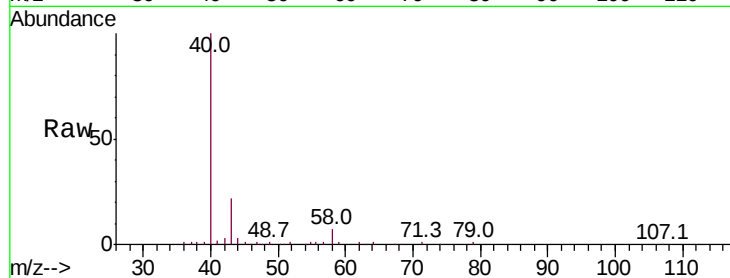
BP-HN-MW29IR-20190316

Tot Ion: 43 Resp: 4424

Ion Ratio Lower Upper

43 100

58 32.4 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

3000

2500

2000

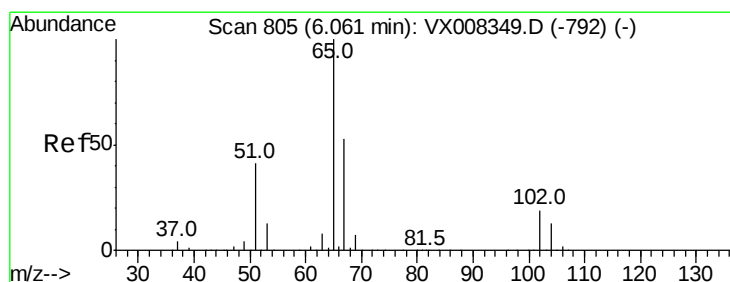
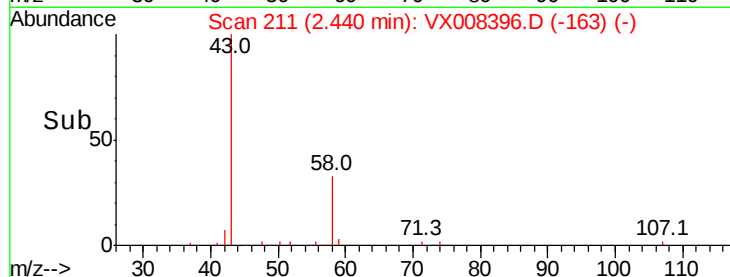
1500

1000

500

0

Time--> 2.35 2.40 2.45 2.50



#33

1,2-Dichloroethane-d4

Concen: 48.546 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008396.D

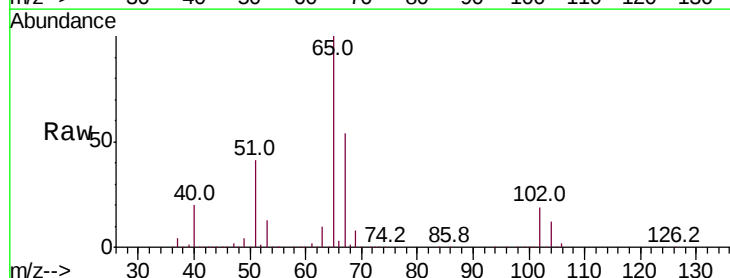
Acq: 24 Mar 2019 16:51

Tgt Ion: 65 Resp: 160058

Ion Ratio Lower Upper

65 100

67 54.3 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

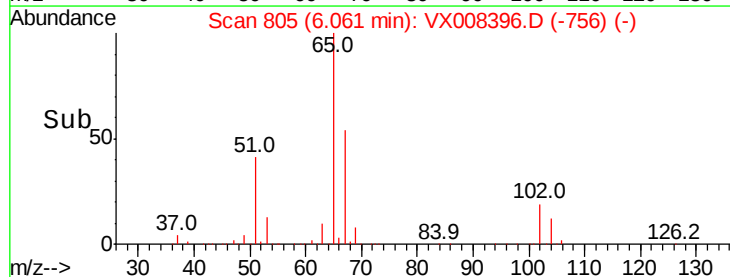
60000

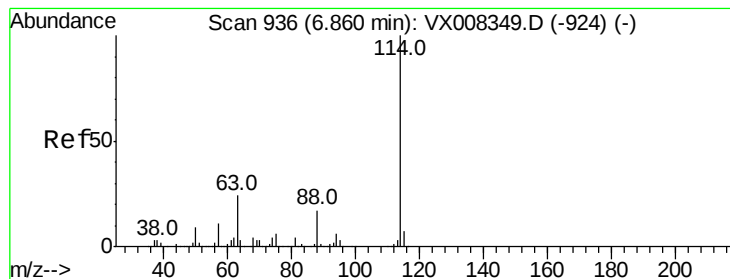
40000

20000

0

Time--> 5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008396.D

Acq: 24 Mar 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

BP-HN-MW29IR-20190316

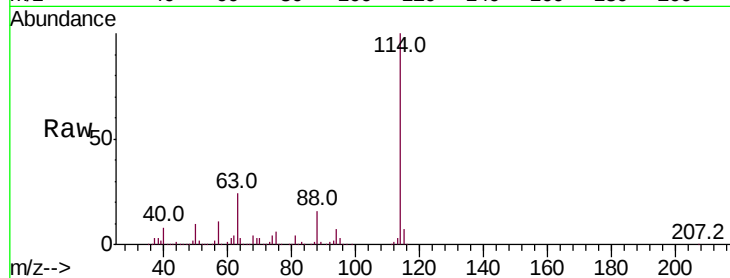
Tot Ion:114 Resp: 371532

Ion Ratio Lower Upper

114 100

63 23.7 0.0 39.8

88 16.4 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

200000

150000

100000

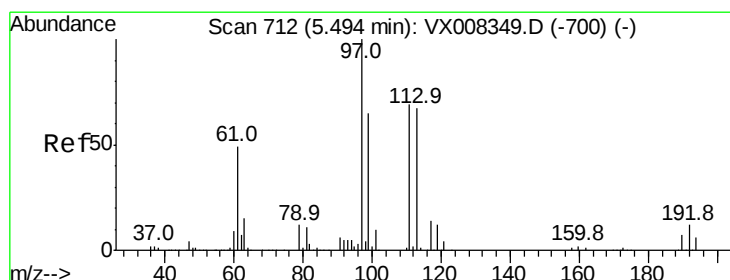
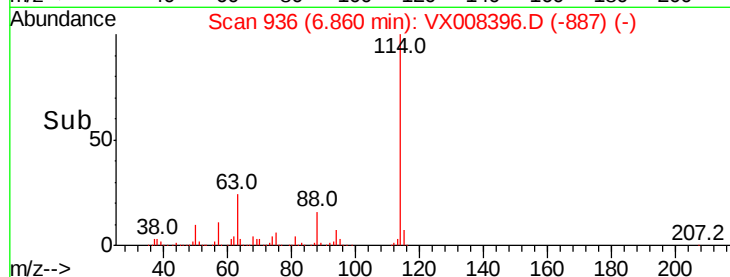
50000

0

6.86

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 48.517 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX008396.D

Acq: 24 Mar 2019 16:51

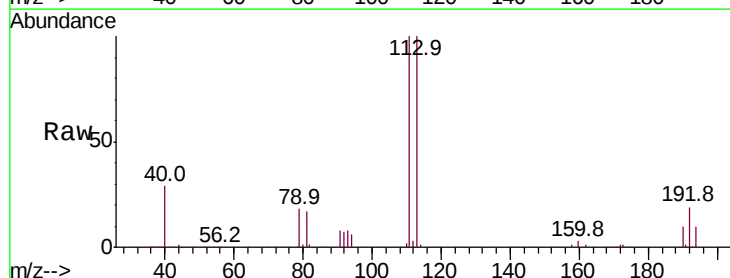
Tgt Ion:113 Resp: 116788

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

192 19.4 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

50000

40000

30000

20000

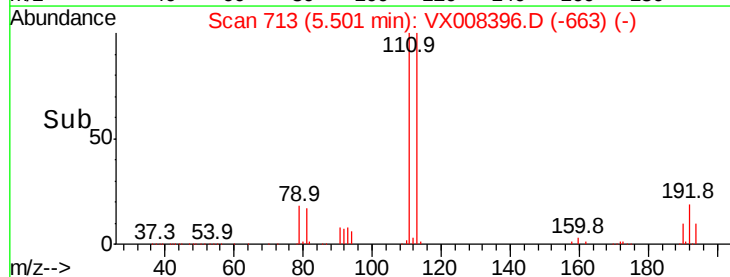
10000

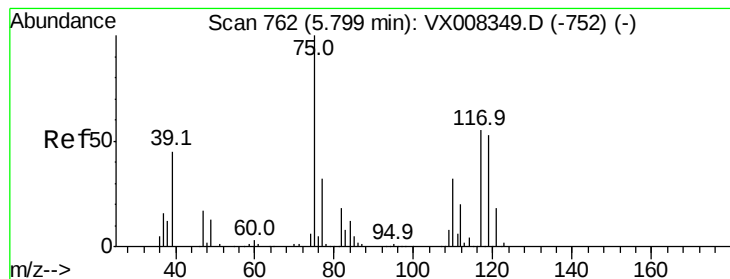
0

5.50

5.40 5.50 5.60

Time-->





#36

1,1-Dichloropropene

Concen: 5.029 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008396.D

Acq: 24 Mar 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

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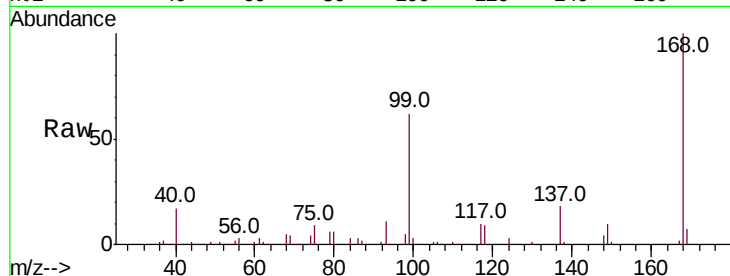
Tot Ion: 75 Resp: 19091

Ion Ratio Lower Upper

75 100

110 8.3 18.4 55.0#

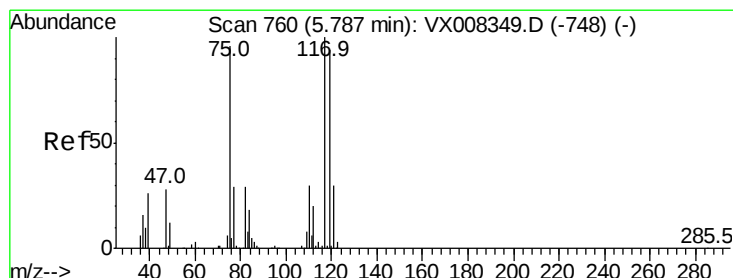
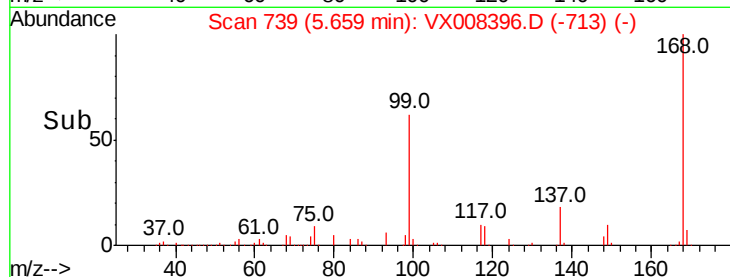
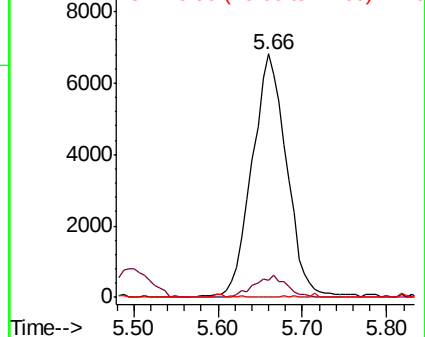
77 0.0 25.0 37.4#



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: 6.836 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008396.D

Acq: 24 Mar 2019 16:51

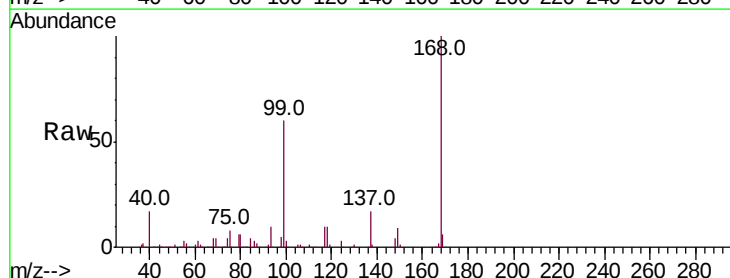
Tgt Ion: 117 Resp: 22247

Ion Ratio Lower Upper

117 100

119 5.9 76.2 114.2#

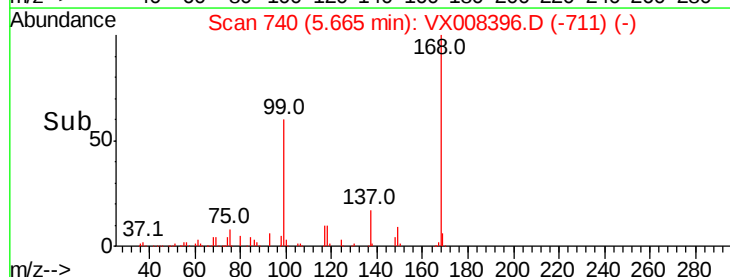
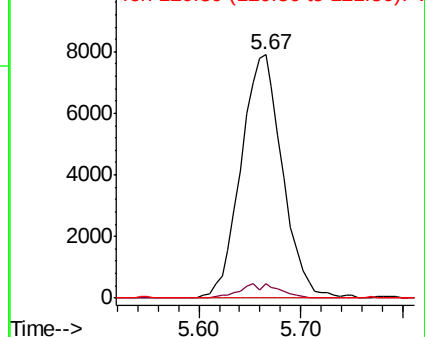
121 0.0 24.6 36.8#

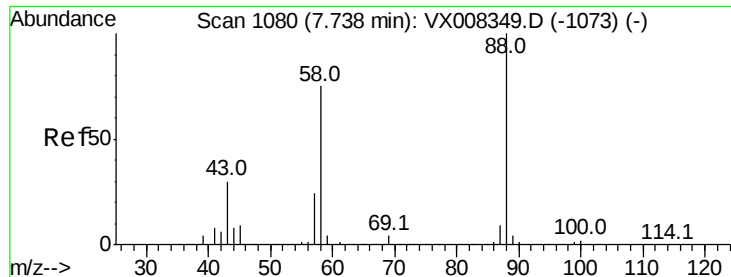


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.246 ug/l

RT: 7.65 min Scan# 1066

Delta R.T. -0.09 min

Lab File: VX008396.D

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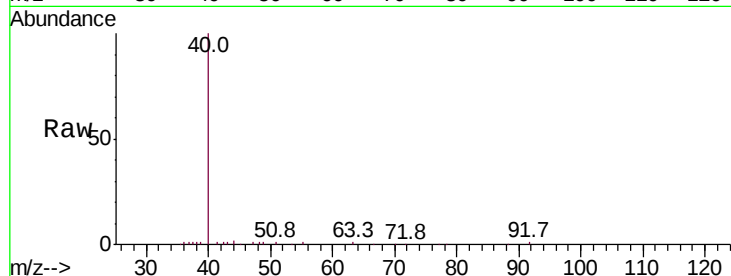
Tot Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 1425.0 25.1 37.7#

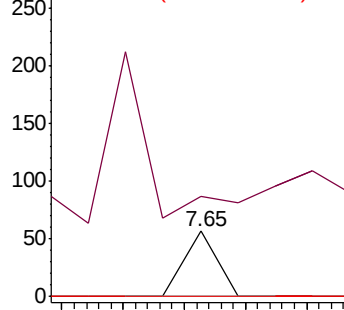
58 0.0 57.8 86.6#



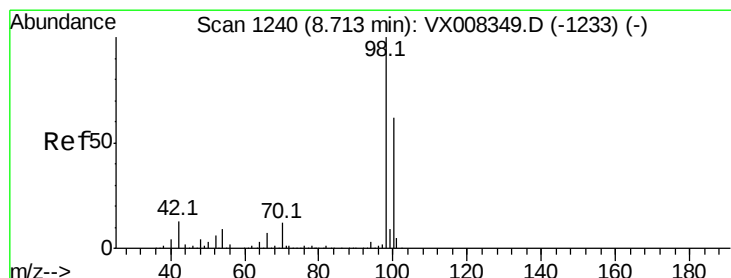
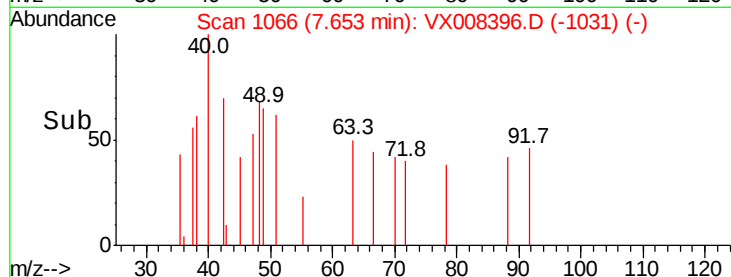
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 48.998 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008396.D

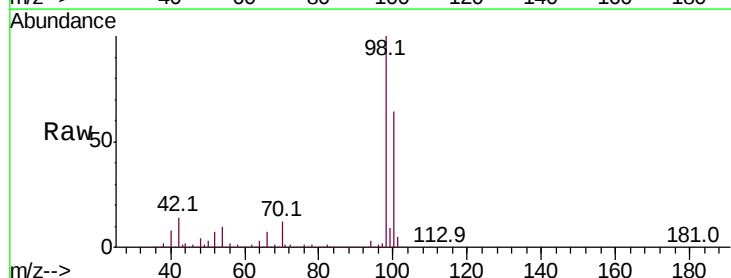
Acq: 24 Mar 2019 16:51

Tgt Ion: 98 Resp: 466500

Ion Ratio Lower Upper

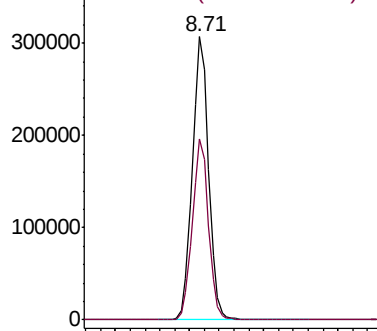
98 100

100 63.4 51.7 77.5

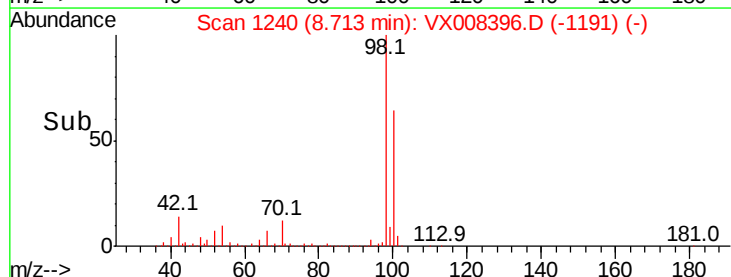


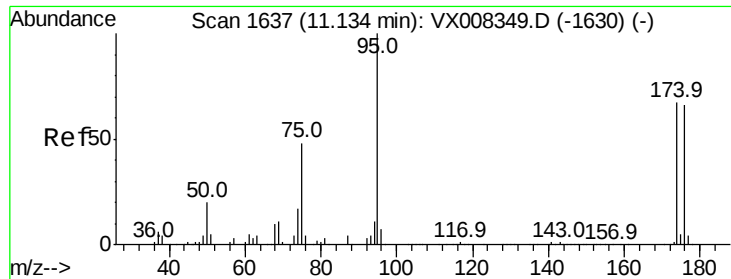
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->





#62

4-Bromofluorobenzene

Concen: 44.341 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008396.D

Acq: 24 Mar 2019 16:51

Instrument :

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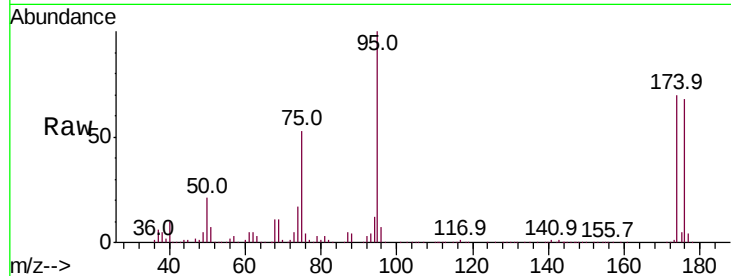
Tot Ion: 95 Resp: 155004

Ion Ratio Lower Upper

95 100

174 72.7 0.0 182.8

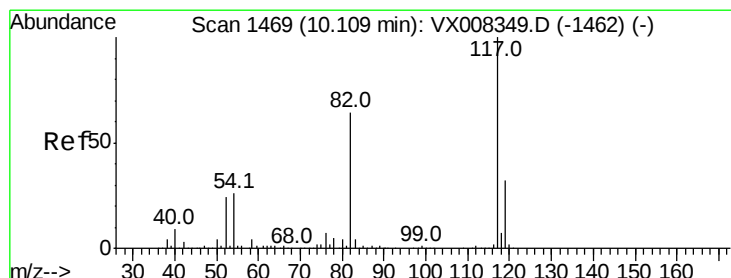
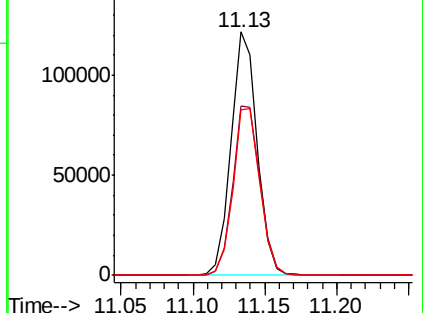
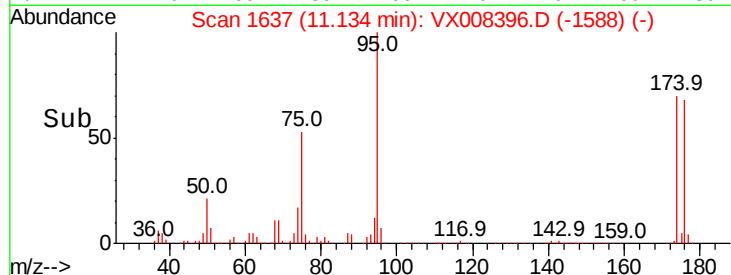
176 70.6 0.0 178.0



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: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008396.D

Acq: 24 Mar 2019 16:51

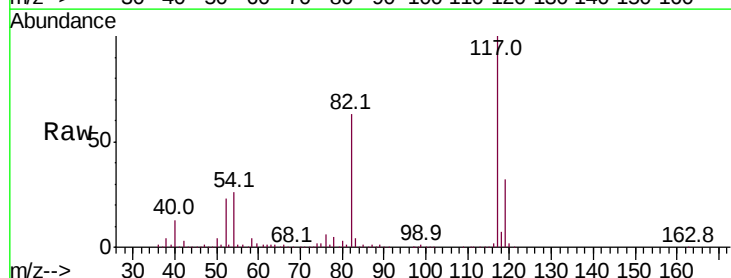
Tgt Ion: 117 Resp: 319071

Ion Ratio Lower Upper

117 100

82 62.6 44.3 66.5

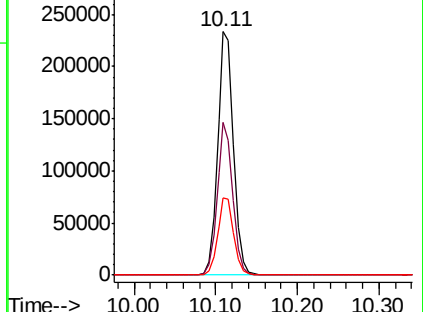
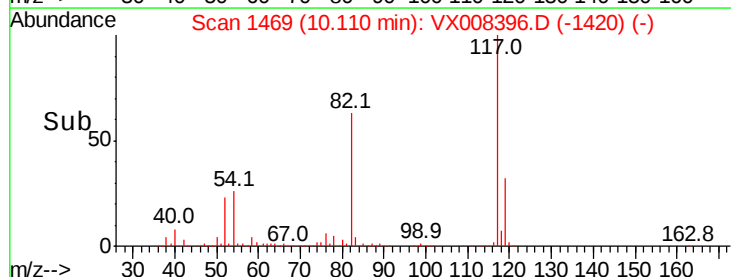
119 31.7 25.3 37.9

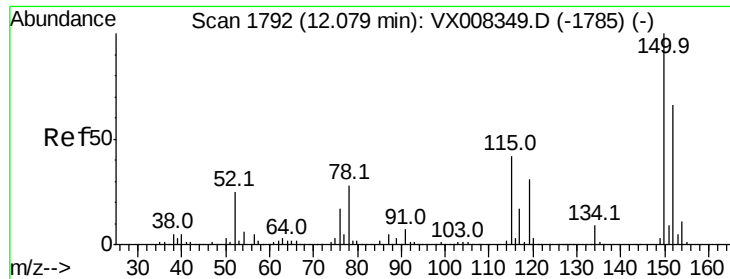


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX008396.D

Acq: 24 Mar 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

BP-HN-MW29IR-20190316

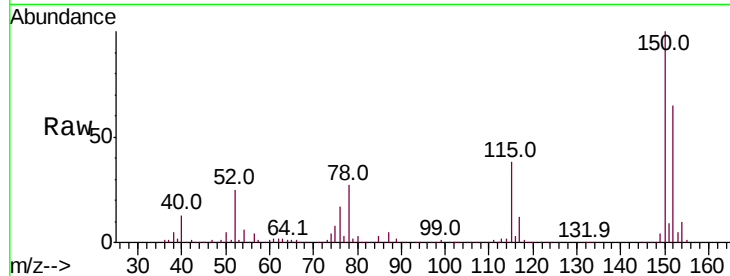
Tot Ion:152 Resp: 128474

Ion Ratio Lower Upper

152 100

115 61.9 38.6 115.7

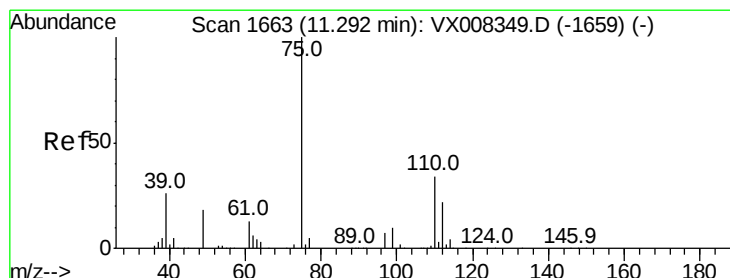
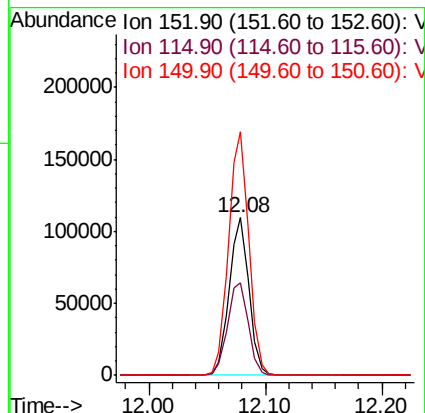
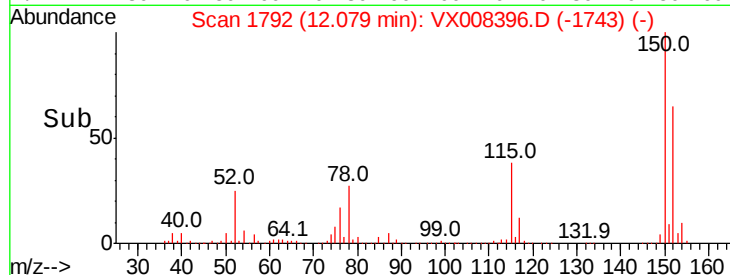
150 158.3 0.0 348.4



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: 24.060 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008396.D

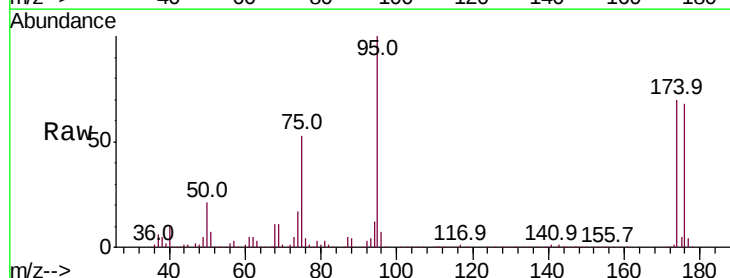
Acq: 24 Mar 2019 16:51

Tgt Ion: 75 Resp: 80909

Ion Ratio Lower Upper

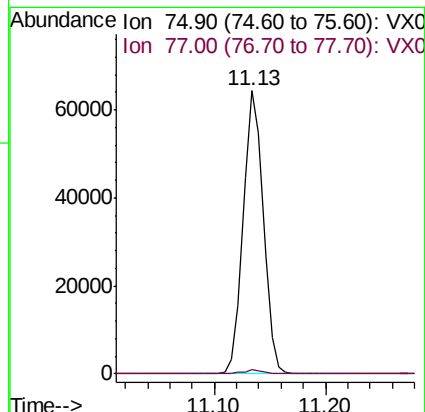
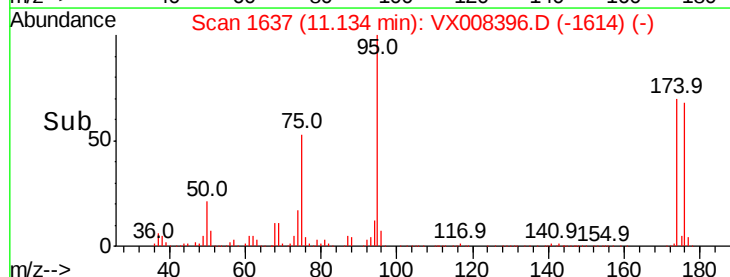
75 100

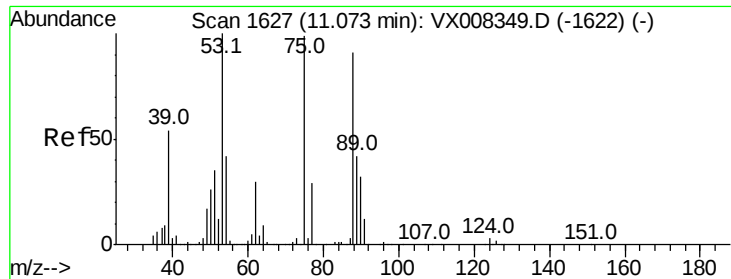
77 1.4 18.9 56.7#



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: 68.565 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008396.D

Acq: 24 Mar 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

BP-HN-MW29IR-20190316

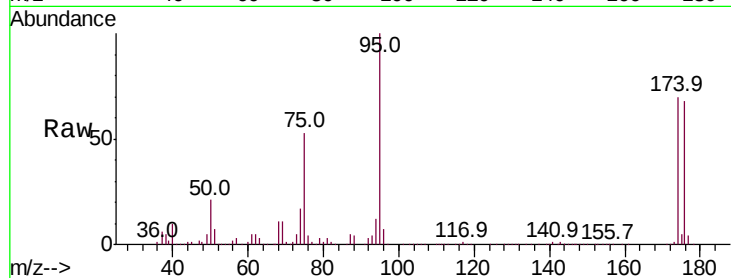
Tot Ion: 75 Resp: 80909

Ion Ratio Lower Upper

75 100

53 0.2 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

