

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030519\
 Data File : VX007836.D
 Acq On : 05 Mar 2019 14:48
 Operator : JC/SP
 Sample : K1659-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M1-T5-OZ(POST-HYPO)

Quant Time: Mar 06 00:10:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	130976	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	6.83	114	99476	50.00	ug/l	-0.03
63) Chlorobenzene-d5	10.11	117	226764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	162385	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	7330	4.52	ug/l	-0.04
Spiked Amount			Recovery	=	9.04%	
35) Dibromofluoromethane	5.45	113	5912	8.89	ug/l	-0.05
Spiked Amount			Recovery	=	17.78%	
50) Toluene-d8	8.70	98	253431	99.55	ug/l	-0.01
Spiked Amount			Recovery	=	199.10%	
62) 4-Bromofluorobenzene	11.13	95	136502	146.09	ug/l	0.00
Spiked Amount			Recovery	=	292.18%	

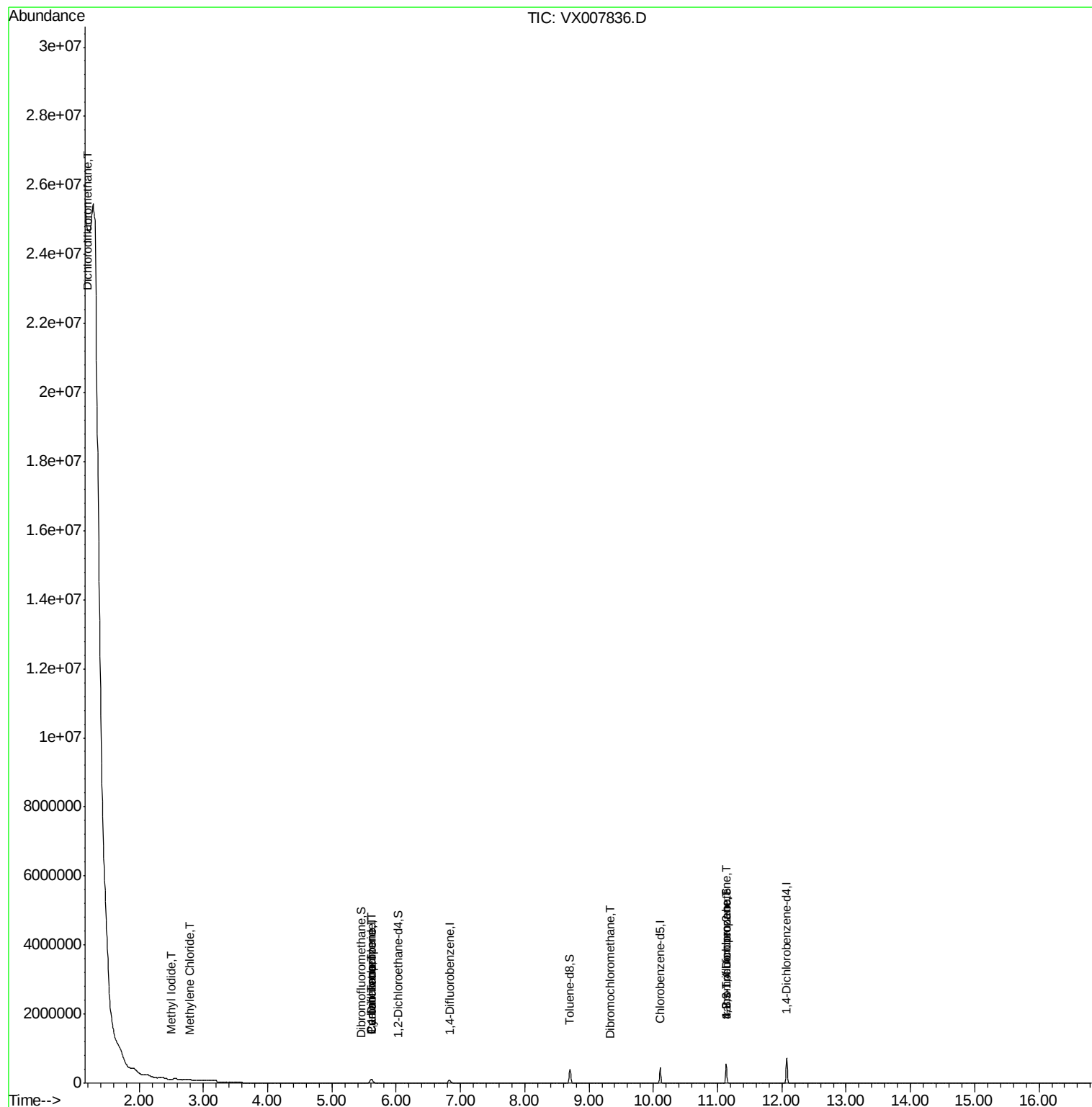
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	987	0.818	ug/l #	44
5) Bromomethane	1.63	94	251	Below Cal	#	21
10) Methyl Iodide	2.49	142	2782	1.758	ug/l #	79
20) Methylene Chloride	2.79	84	443	0.333	ug/l #	73
31) Cyclohexane	5.61	56	2205	0.978	ug/l #	1
36) 1,1-Dichloropropene	5.61	75	7935	8.873	ug/l #	48
38) Carbon Tetrachloride	5.61	117	11130	12.389	ug/l #	18
60) Dibromochloromethane	9.33	129	309	0.442	ug/l #	12
76) 1,2,3-Trichloropropane	11.13	75	62416	18.032	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	62416	48.423	ug/l #	9

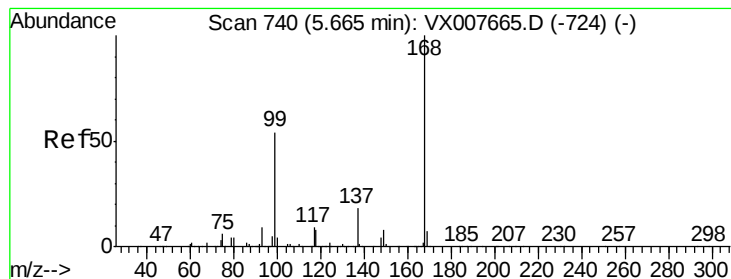
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX030519\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 732

Delta R.T. -0.05 min

Lab File: VX007836.D

Acq: 05 Mar 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

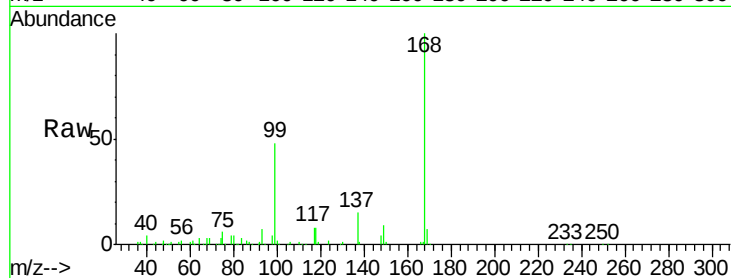
M1-T5-OZ(POST-HYPO)

Tot Ion:168 Resp: 130976

Ion Ratio Lower Upper

168 100

99 48.1 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

40000

30000

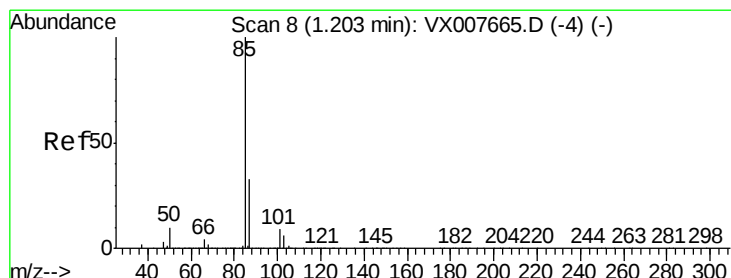
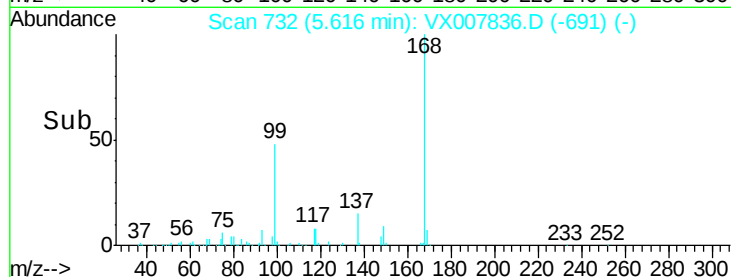
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.818 ug/l

RT: 1.20 min Scan# 8

Delta R.T. -0.00 min

Lab File: VX007836.D

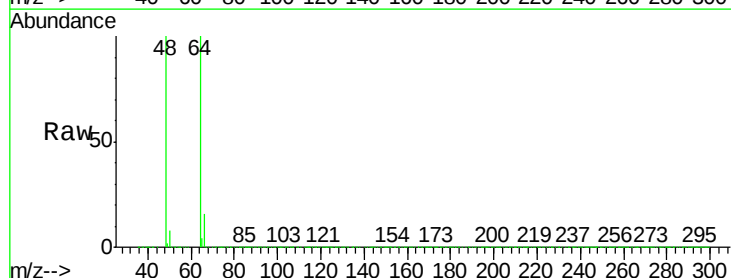
Acq: 05 Mar 2019 14:48

Tgt Ion: 85 Resp: 987

Ion Ratio Lower Upper

85 100

87 0.4 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

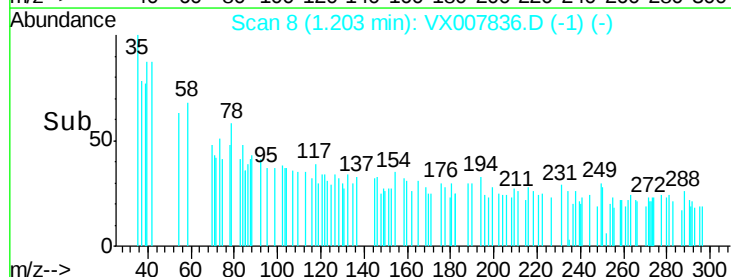
1000

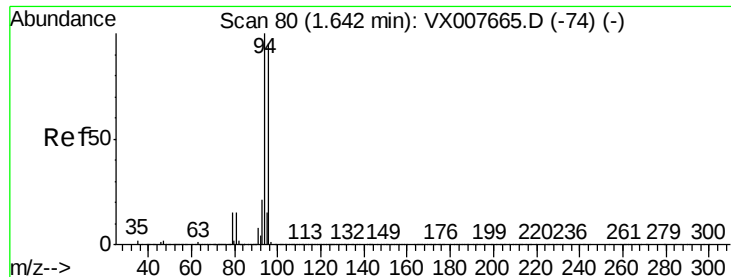
500

0

Time-->

1.18 1.19 1.20 1.21





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX007836.D

Acq: 05 Mar 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

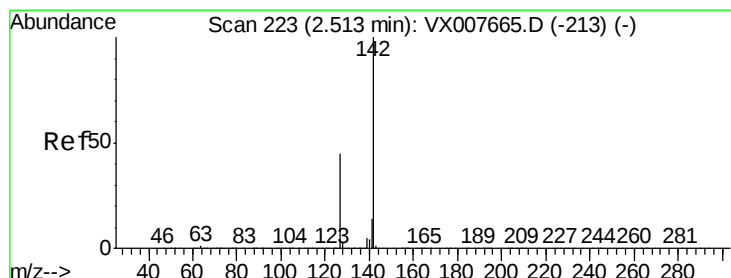
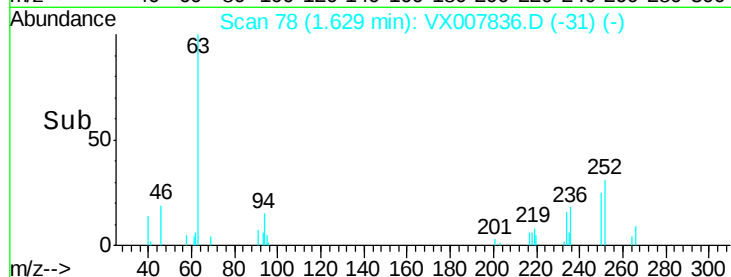
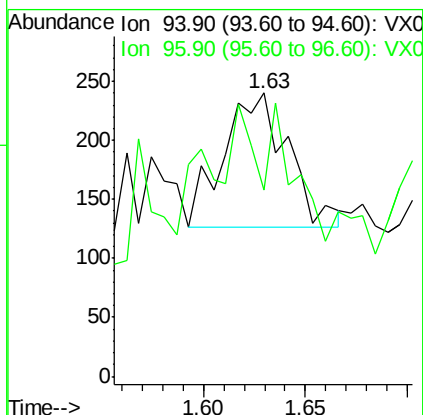
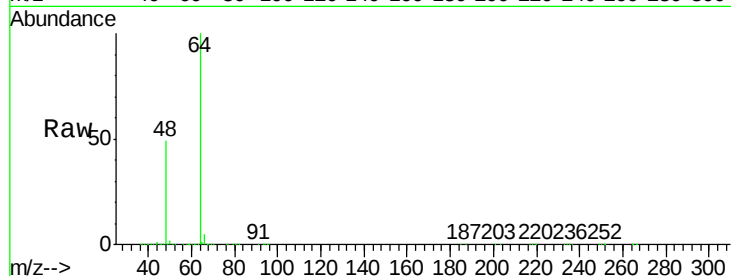
M1-T5-OZ(POST-HYPO)

Tot Ion: 94 Resp: 251

Ion Ratio Lower Upper

94 100

96 16.7 73.9 110.9#



#10

Methyl Iodide

Concen: 1.758 ug/l

RT: 2.49 min Scan# 219

Delta R.T. -0.02 min

Lab File: VX007836.D

Acq: 05 Mar 2019 14:48

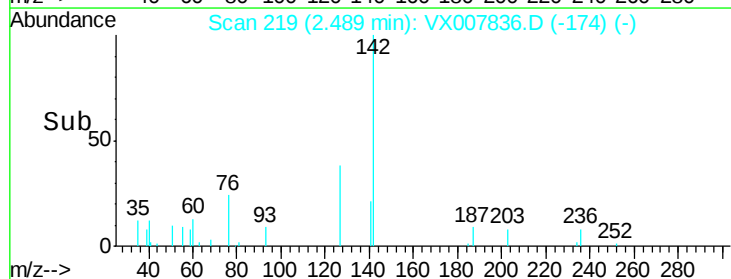
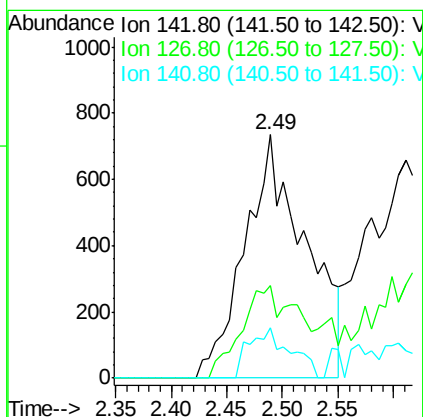
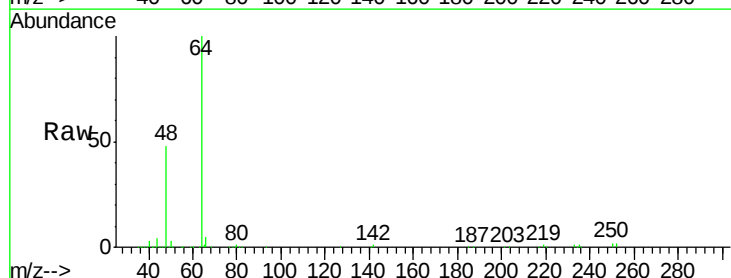
Tgt Ion: 142 Resp: 2782

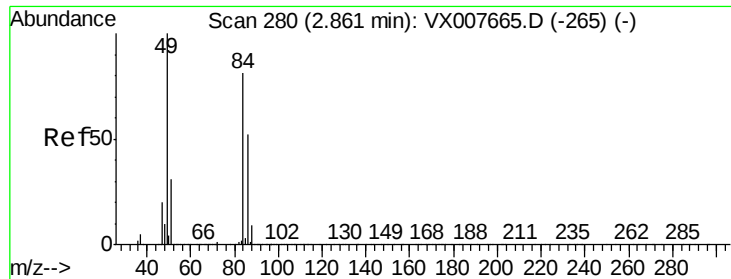
Ion Ratio Lower Upper

142 100

127 24.5 33.7 50.5#

141 14.0 11.3 16.9





#20

Methylene Chloride

Concen: 0.333 ug/l

RT: 2.79 min Scan# 269

Delta R.T. -0.07 min

Lab File: VX007836.D

Acq: 05 Mar 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

M1-T5-OZ(POST-HYPO)

Tot Ion: 84 Resp: 443

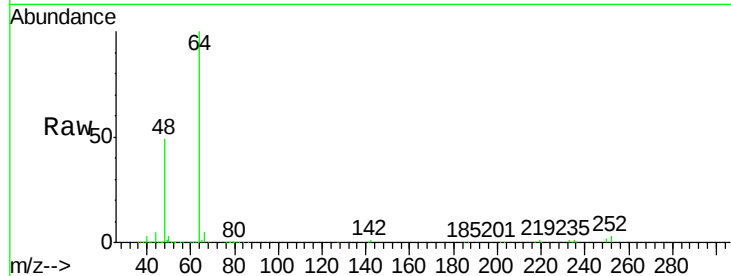
Ion Ratio Lower Upper

84 100

49 71.8 94.8 142.2#

51 24.1 29.8 44.8#

86 70.6 54.1 81.1

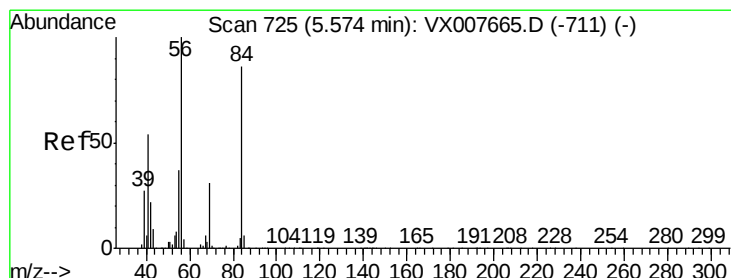
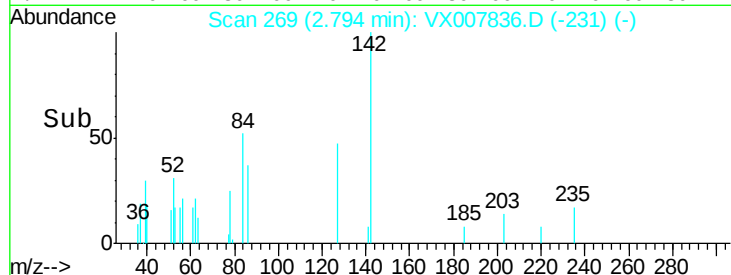
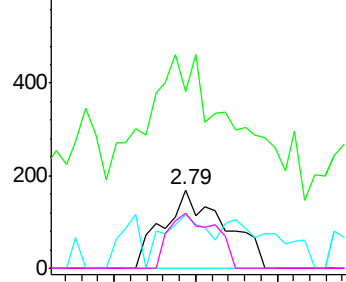


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#31

Cyclohexane

Concen: 0.978 ug/l

RT: 5.61 min Scan# 731

Delta R.T. 0.04 min

Lab File: VX007836.D

Acq: 05 Mar 2019 14:48

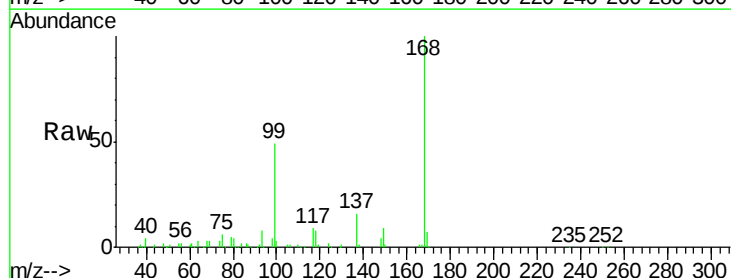
Tgt Ion: 56 Resp: 2205

Ion Ratio Lower Upper

56 100

69 199.4 23.0 34.6#

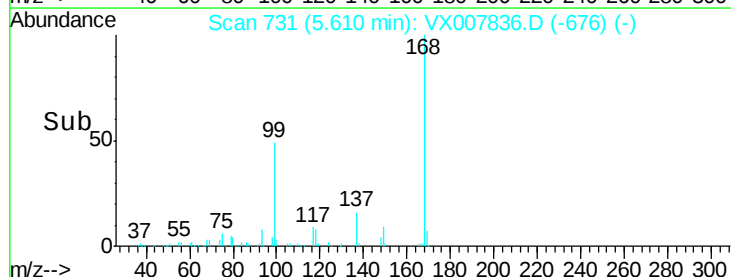
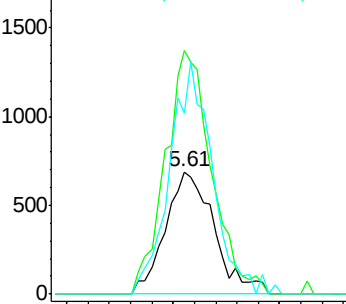
84 148.4 69.8 104.6#

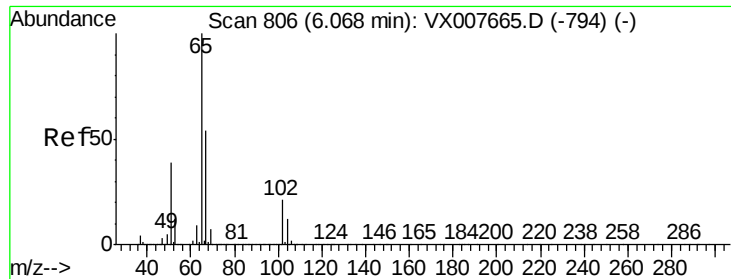


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 4.518 ug/l

RT: 6.03 min Scan# 800

Delta R.T. -0.04 min

Lab File: VX007836.D

Acq: 05 Mar 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

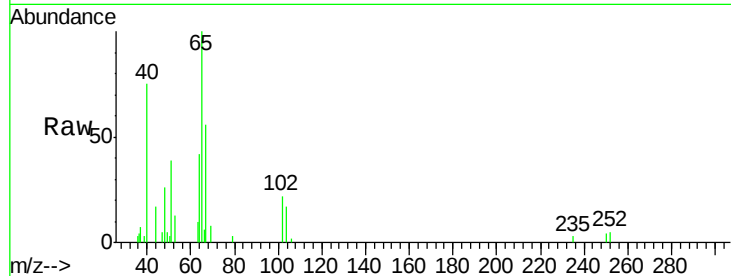
M1-T5-OZ(POST-HYPO)

Tot Ion: 65 Resp: 7330

Ion Ratio Lower Upper

65 100

67 53.3 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

2500

2000

1500

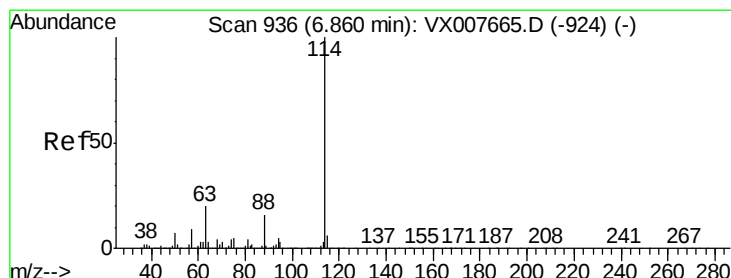
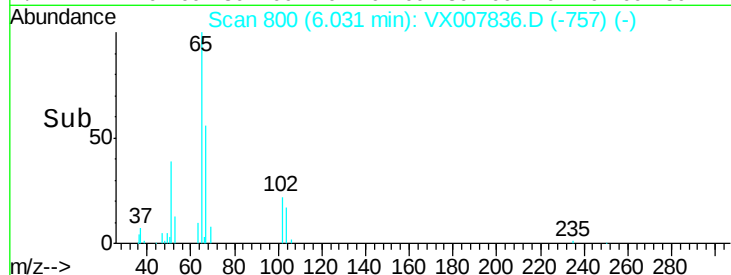
1000

500

0

Time-->

5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 931

Delta R.T. -0.03 min

Lab File: VX007836.D

Acq: 05 Mar 2019 14:48

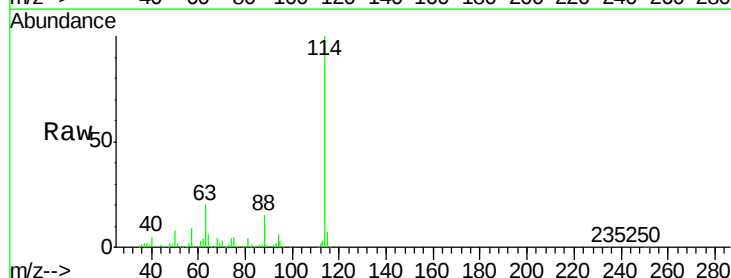
Tgt Ion: 114 Resp: 99476

Ion Ratio Lower Upper

114 100

63 19.7 0.0 35.6

88 15.4 0.0 29.6



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

6.83

50000

40000

30000

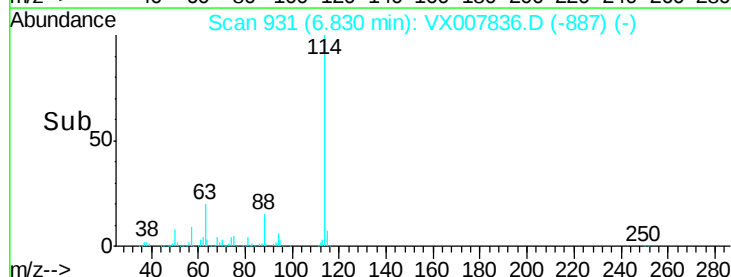
20000

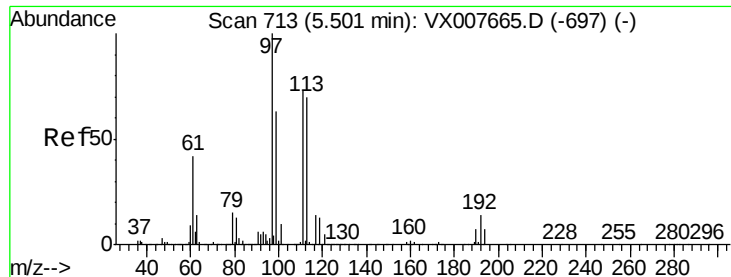
10000

0

Time-->

6.70 6.80 6.90 7.00

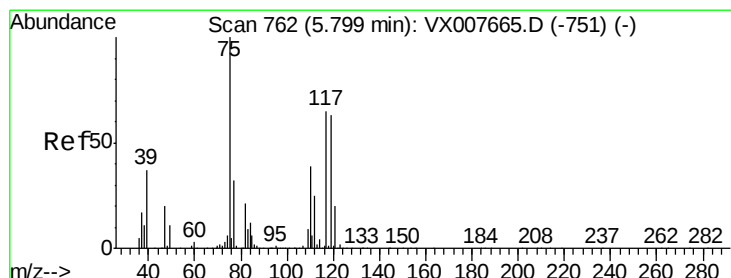
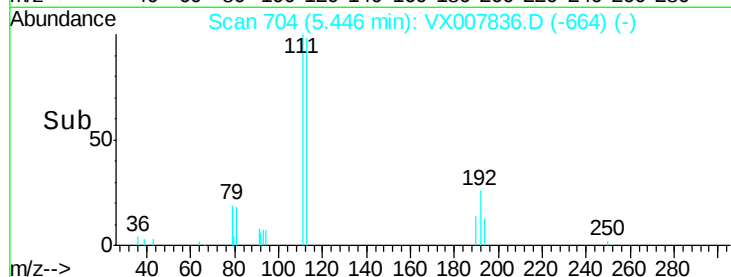
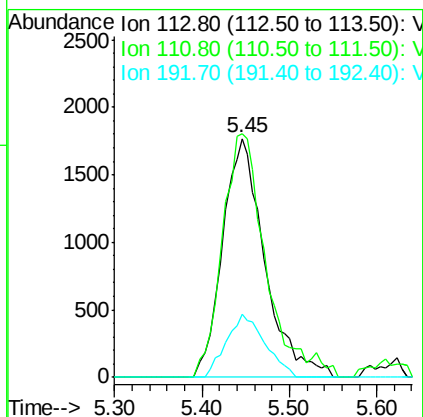
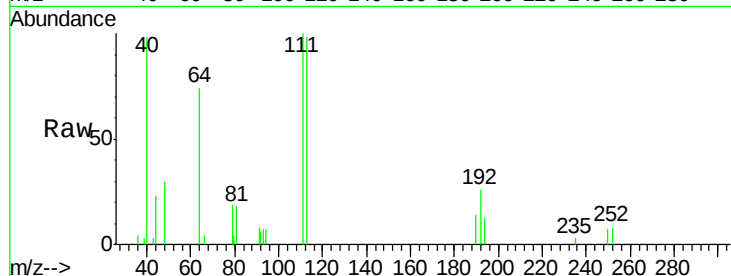




#35
 Dibromofluoromethane
 Concen: 8.891 ug/l
 RT: 5.45 min Scan# 704
 Delta R.T. -0.05 min
 Lab File: VX007836.D
 Acq: 05 Mar 2019 14:48

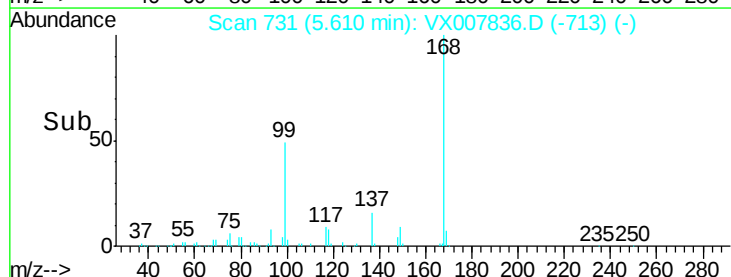
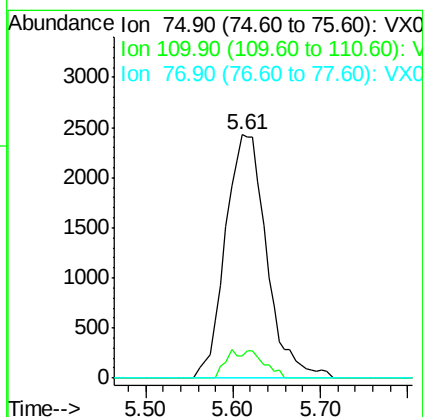
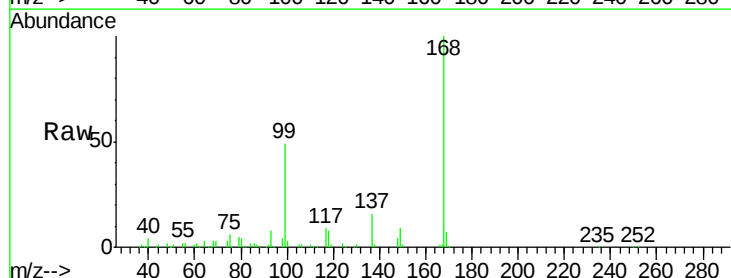
Instrument :
 MSVOA_X
 ClientSampleId :
 M1-T5-OZ(POST-HYPO)

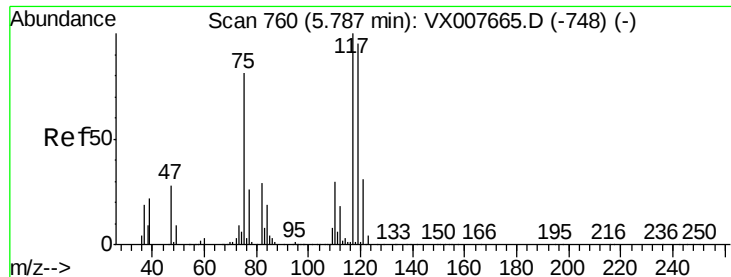
Tot Ion:113 Resp: 5912
 Ion Ratio Lower Upper
 113 100
 111 105.4 81.8 122.8
 192 24.2 18.5 27.7



#36
 1,1-Dichloropropene
 Concen: 8.873 ug/l
 RT: 5.61 min Scan# 731
 Delta R.T. -0.19 min
 Lab File: VX007836.D
 Acq: 05 Mar 2019 14:48

Tgt Ion: 75 Resp: 7935
 Ion Ratio Lower Upper
 75 100
 110 10.1 20.0 59.9#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 12.389 ug/l

RT: 5.61 min Scan# 731

Delta R.T. -0.18 min

Lab File: VX007836.D

Acq: 05 Mar 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

M1-T5-OZ(POST-HYPO)

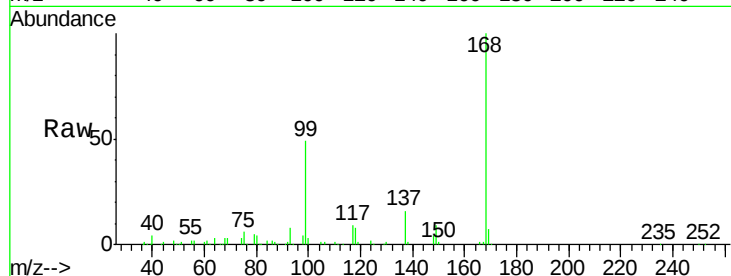
Tot Ion:117 Resp: 11130

Ion Ratio Lower Upper

117 100

119 6.5 75.3 112.9#

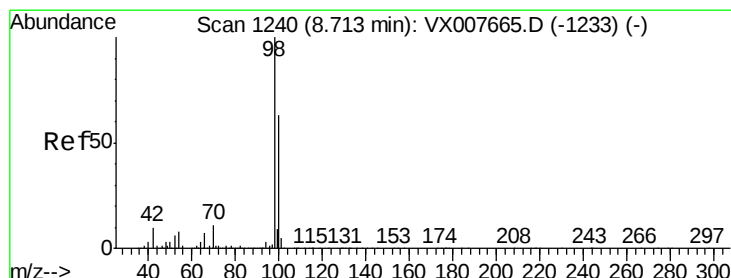
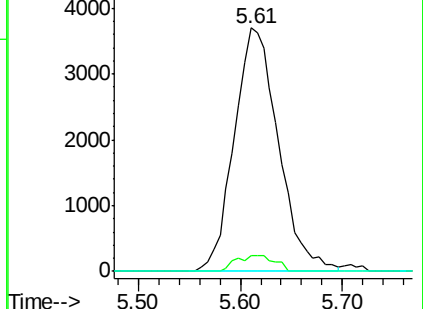
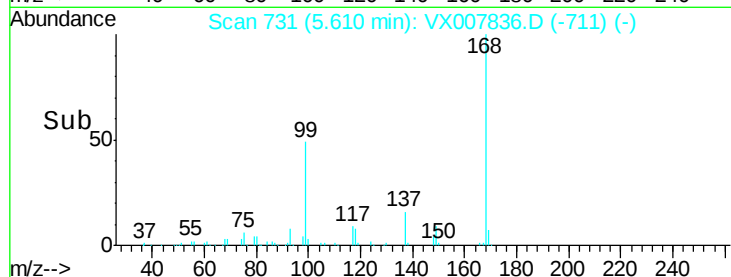
121 0.0 25.0 37.4#



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: 99.551 ug/l

RT: 8.70 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VX007836.D

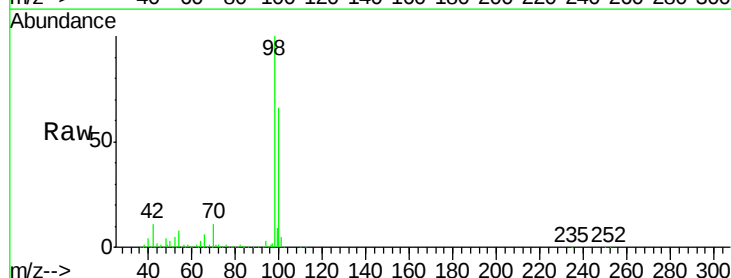
Acq: 05 Mar 2019 14:48

Tgt Ion: 98 Resp: 253431

Ion Ratio Lower Upper

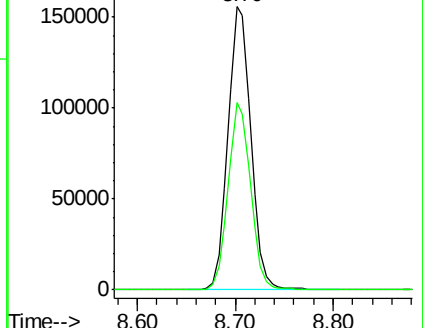
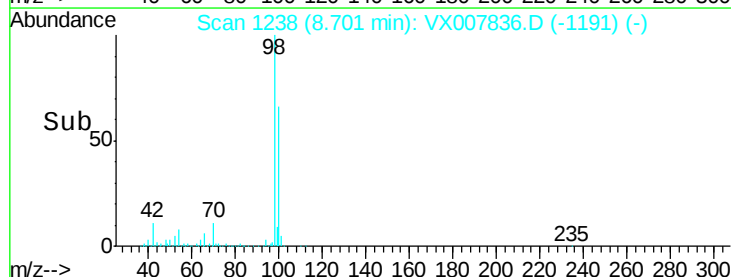
98 100

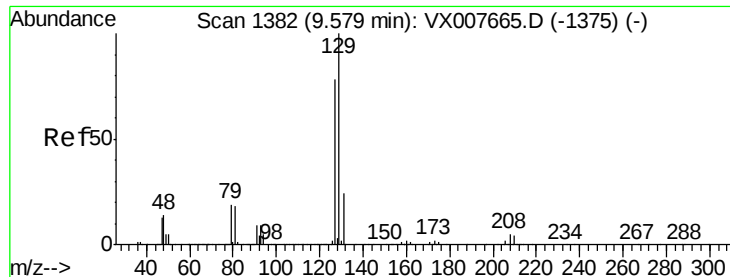
100 65.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 0.442 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. -0.25 min

Lab File: VX007836.D

Acq: 05 Mar 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

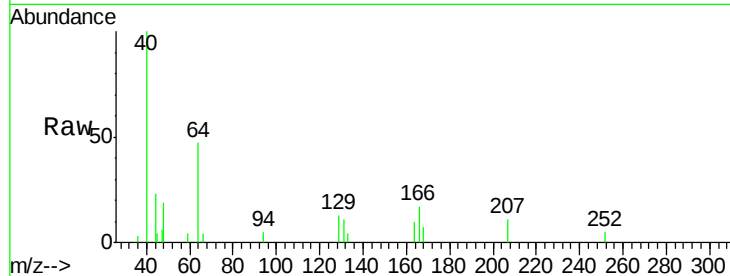
M1-T5-OZ(POST-HYPO)

Tot Ion:129 Resp: 309

Ion Ratio Lower Upper

129 100

127 0.0 37.8 113.4#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.33

200

150

100

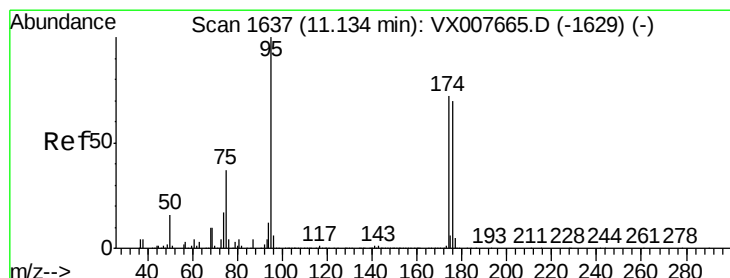
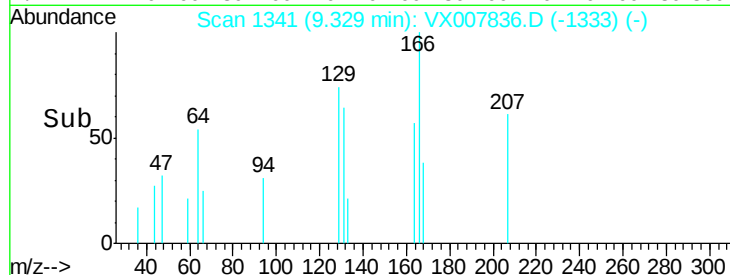
50

0

9.30

9.35

Time-->



#62

4-Bromofluorobenzene

Concen: 146.088 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007836.D

Acq: 05 Mar 2019 14:48

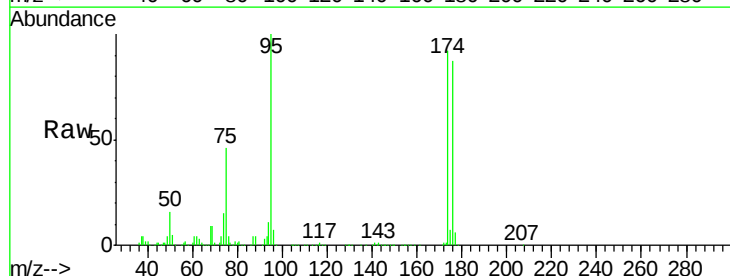
Tgt Ion: 95 Resp: 136502

Ion Ratio Lower Upper

95 100

174 94.6 0.0 189.2

176 89.8 0.0 186.2



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

11.13

150000

100000

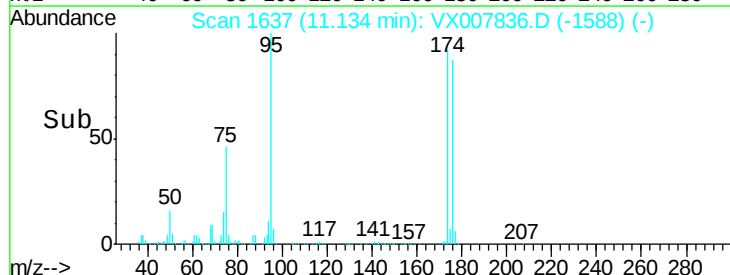
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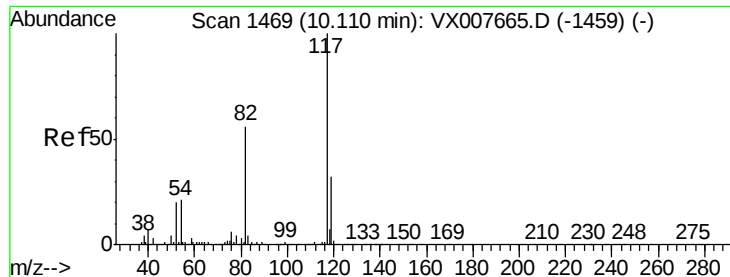
0

11.10

11.20

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX007836.D

Acq: 05 Mar 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

M1-T5-OZ(POST-HYPO)

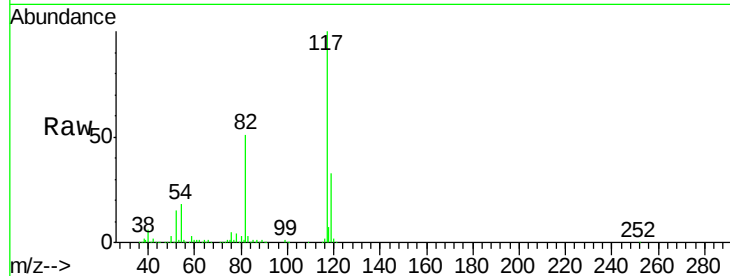
Tot Ion:117 Resp: 226764

Ion Ratio Lower Upper

117 100

82 51.1 42.1 63.1

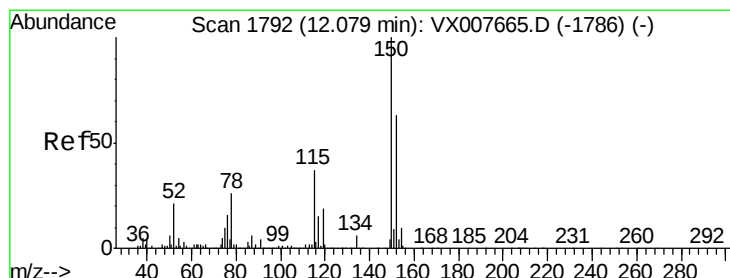
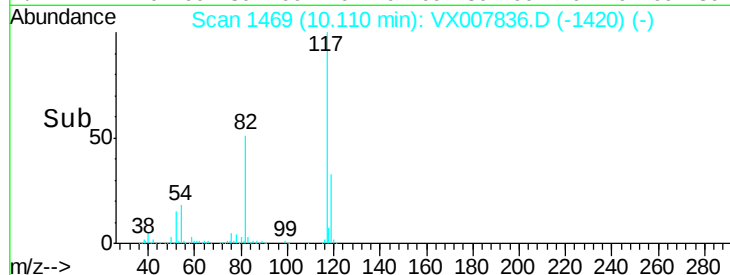
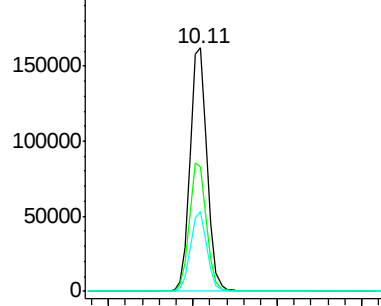
119 32.7 26.5 39.7



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: VX007836.D

Acq: 05 Mar 2019 14:48

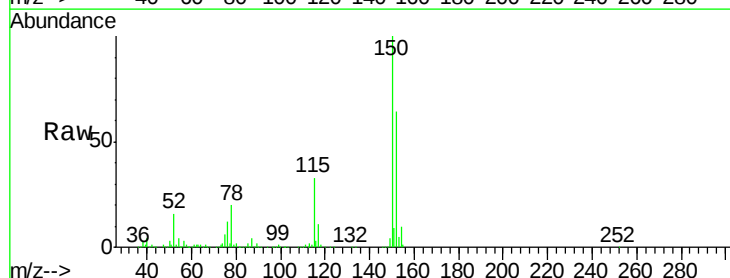
Tgt Ion:152 Resp: 162385

Ion Ratio Lower Upper

152 100

115 54.8 38.0 114.0

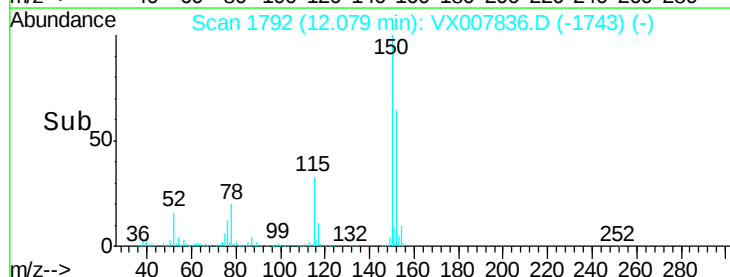
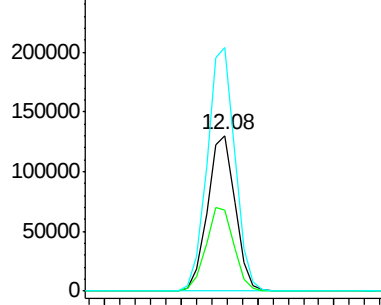
150 157.4 0.0 346.4

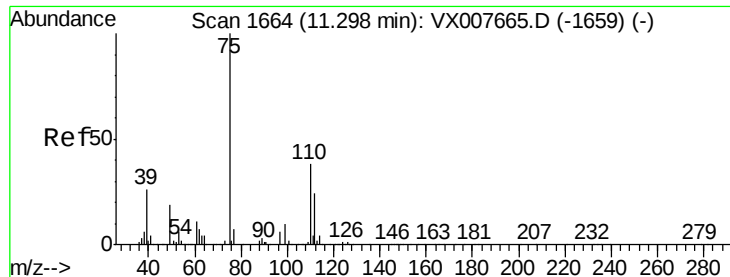


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 18.032 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007836.D

Acq: 05 Mar 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

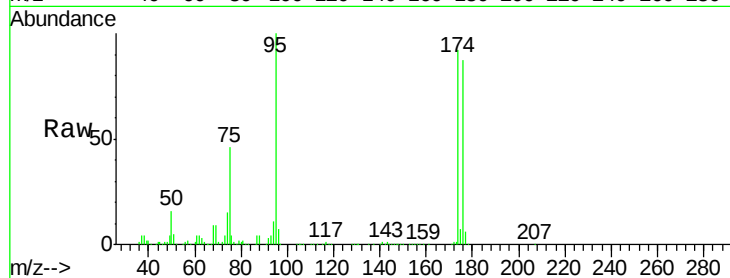
M1-T5-OZ(POST-HYPO)

Tot Ion: 75 Resp: 62416

Ion Ratio Lower Upper

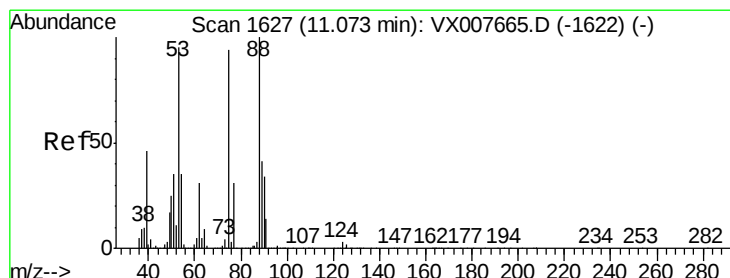
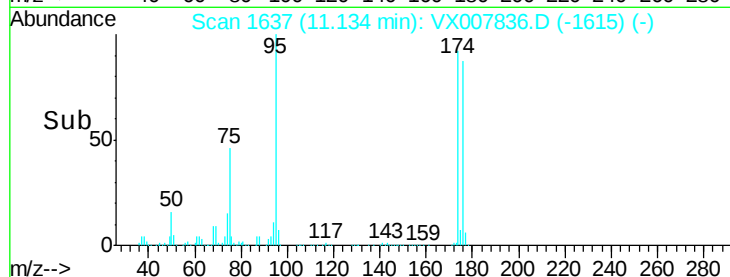
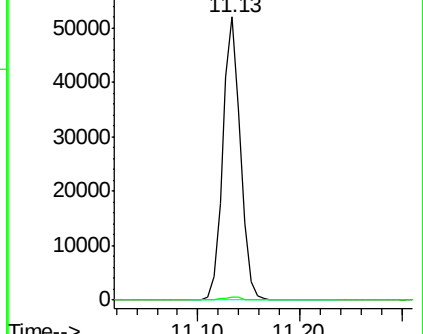
75 100

77 1.2 23.0 69.0#



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: 48.423 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007836.D

Acq: 05 Mar 2019 14:48

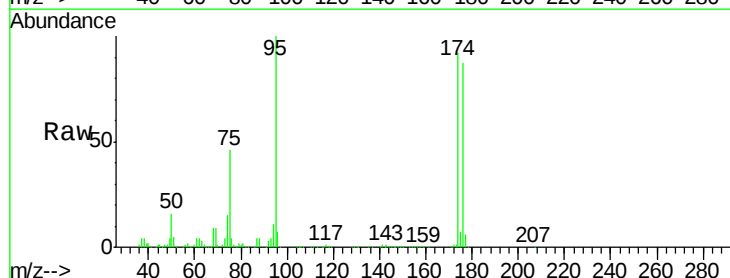
Tgt Ion: 75 Resp: 62416

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.0 41.4 62.0#



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

