

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022819\
 Data File : VX007767.D
 Acq On : 28 Feb 2019 15:32
 Operator : JC/SP
 Sample : K1655-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-022719

Quant Time: Mar 01 01:31:25 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	5.67	168	322552	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	499867	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	476807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	225791	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	191819	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
35) Dibromofluoromethane	5.51	113	163320	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
50) Toluene-d8	8.71	98	616058	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
62) 4-Bromofluorobenzene	11.13	95	218775	46.59	ug/l	0.00
Spiked Amount			Recovery	=	93.18%	

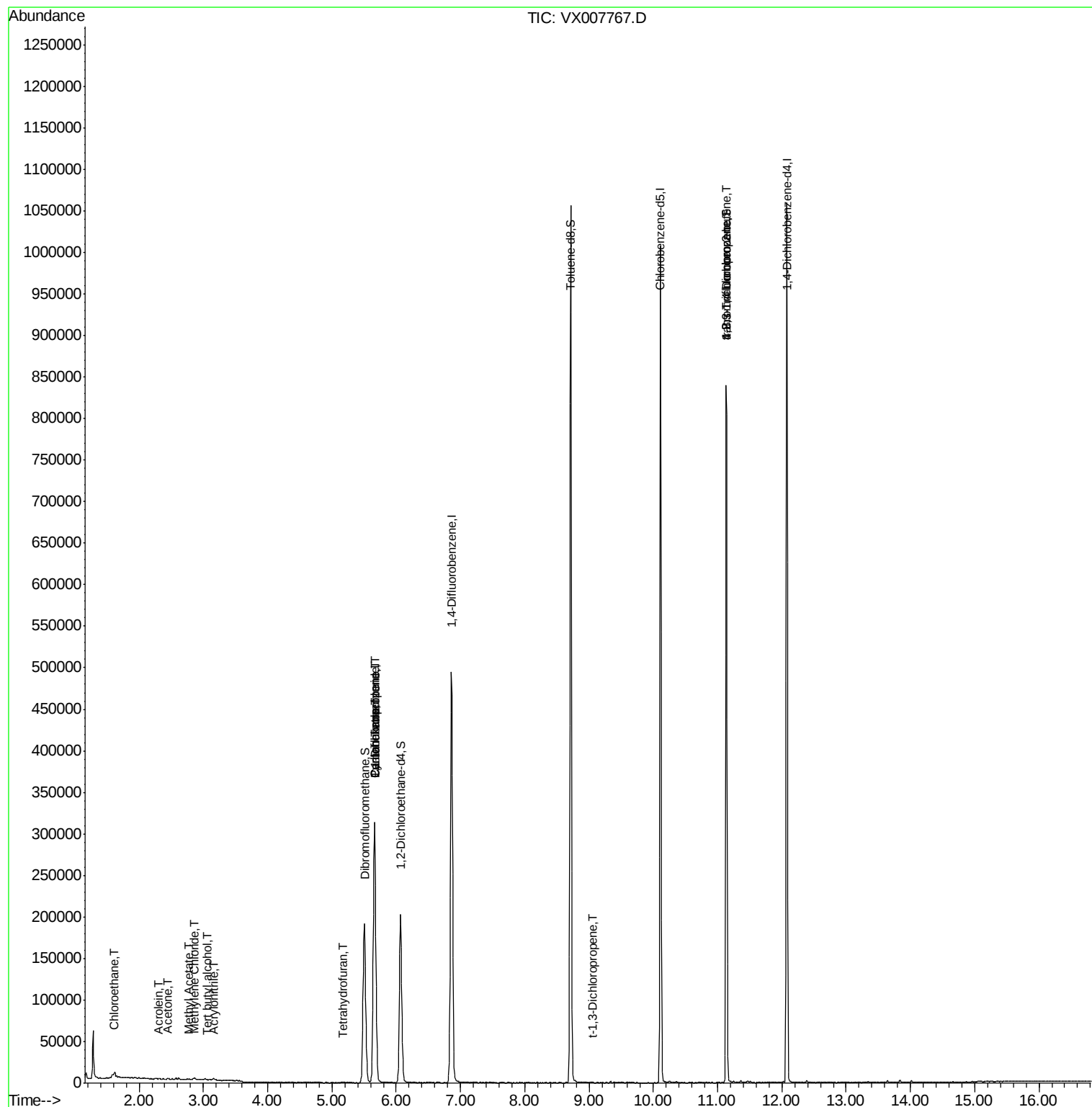
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	690	Below Cal		93
6) Chloroethane	1.60	64	2689	1.246	ug/l #	57
11) Tert butyl alcohol	3.06	59	188	0.248	ug/l #	1
13) Acrolein	2.30	56	357	0.530	ug/l #	56
15) Acrylonitrile	3.16	53	664	0.372	ug/l #	72
16) Acetone	2.45	43	925	0.521	ug/l #	82
18) Methyl Acetate	2.78	43	847	0.218	ug/l	100
20) Methylene Chloride	2.86	84	870	0.265	ug/l	96
29) Tetrahydrofuran	5.17	42	642	0.360	ug/l #	37
31) Cyclohexane	5.67	56	5636	1.015	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	20797	4.628	ug/l #	47
38) Carbon Tetrachloride	5.67	117	27782	6.154	ug/l #	16
53) t-1,3-Dichloropropene	9.05	75	61	2.813	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	105942	22.012	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	105942	58.446	ug/l #	9

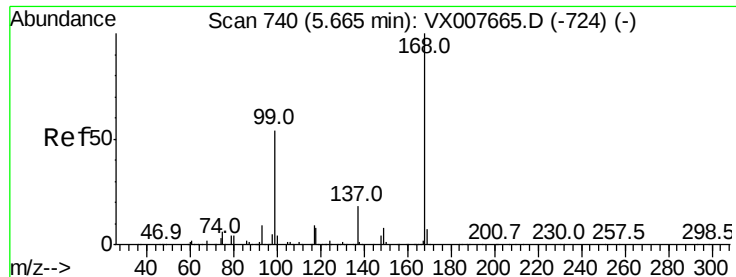
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX007767.D

Acq: 28 Feb 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

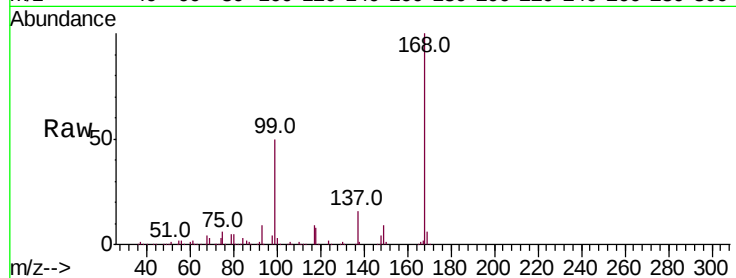
TB-022719

Tot Ion:168 Resp: 322552

Ion Ratio Lower Upper

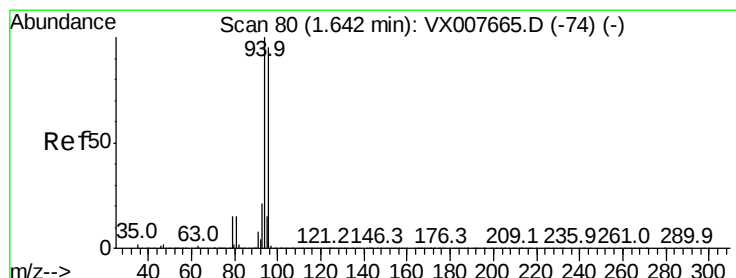
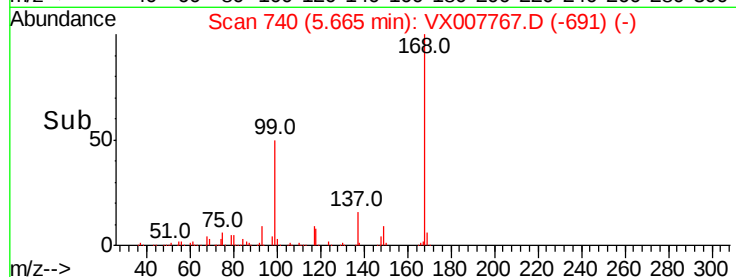
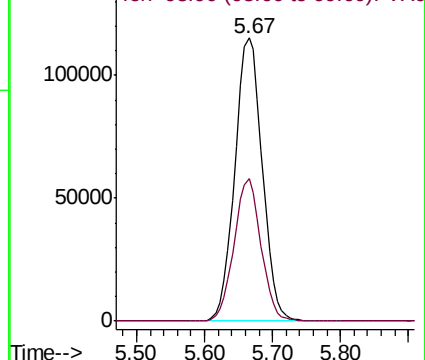
168 100

99 50.4 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007767.D

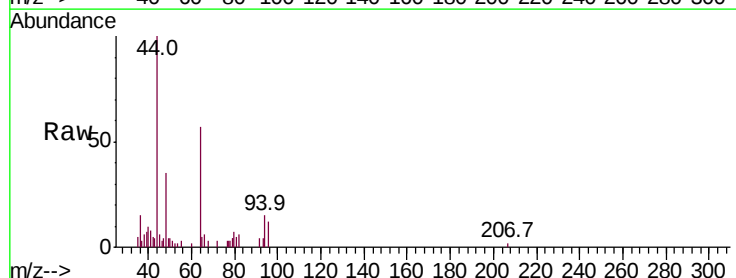
Acq: 28 Feb 2019 15:32

Tgt Ion: 94 Resp: 690

Ion Ratio Lower Upper

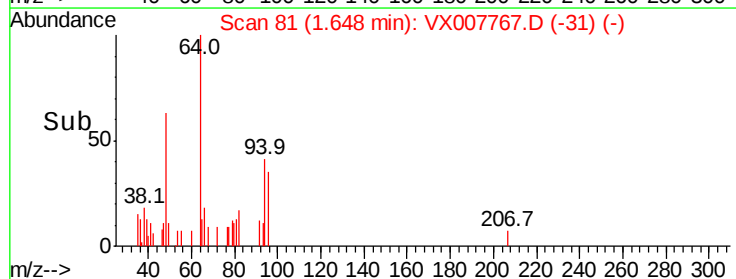
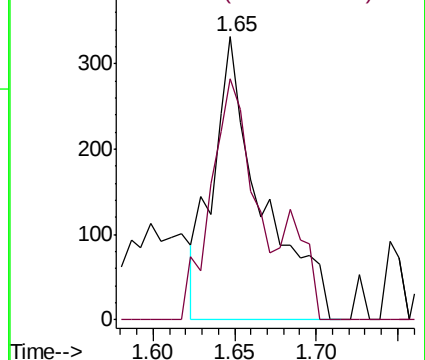
94 100

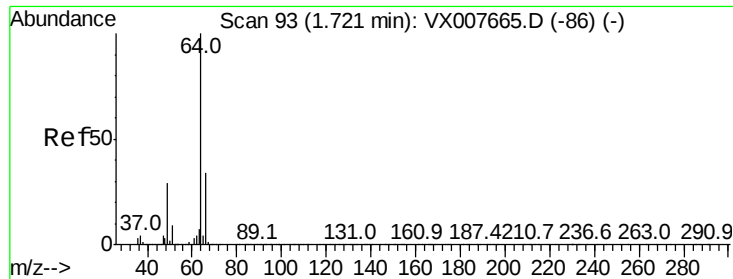
96 85.2 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 1.246 ug/l

RT: 1.60 min Scan# 73

Delta R.T. -0.12 min

Lab File: VX007767.D

Acq: 28 Feb 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

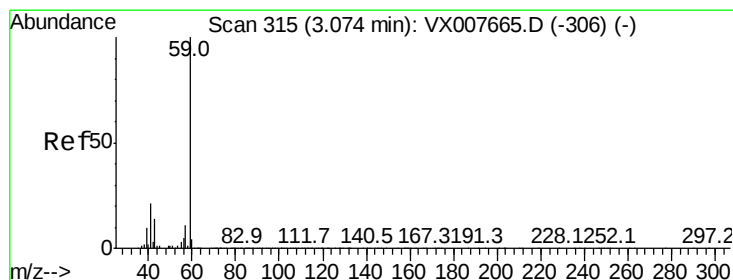
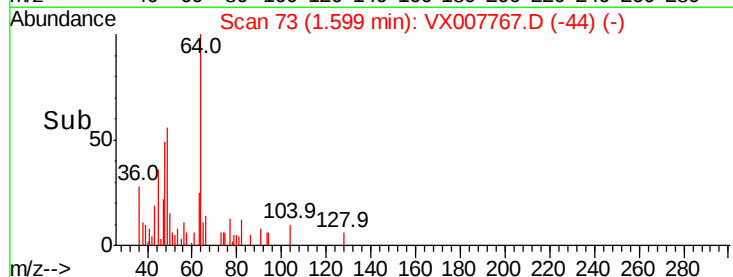
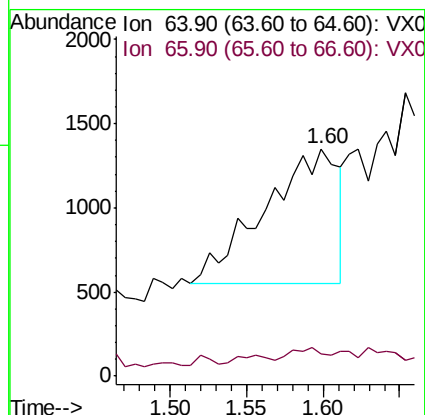
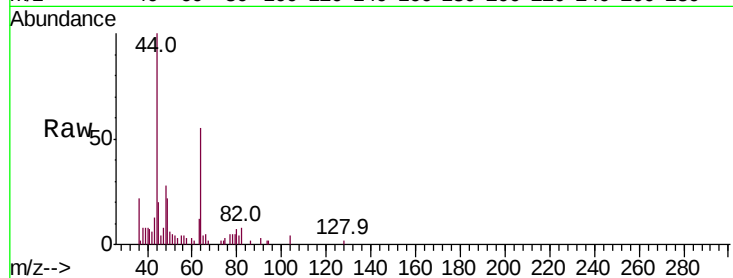
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Tot Ion: 64 Resp: 2689

Ion Ratio Lower Upper

64 100

66 8.1 25.5 38.3#



#11

Tert butyl alcohol

Concen: 0.248 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX007767.D

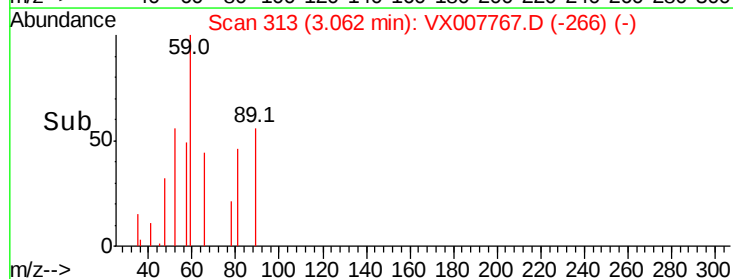
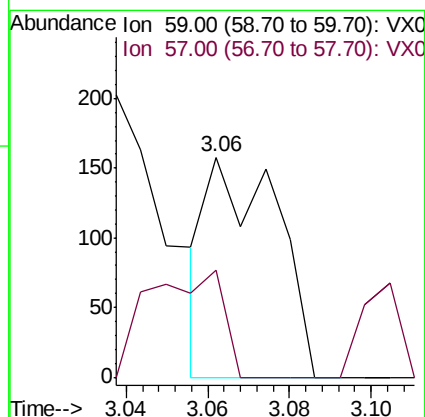
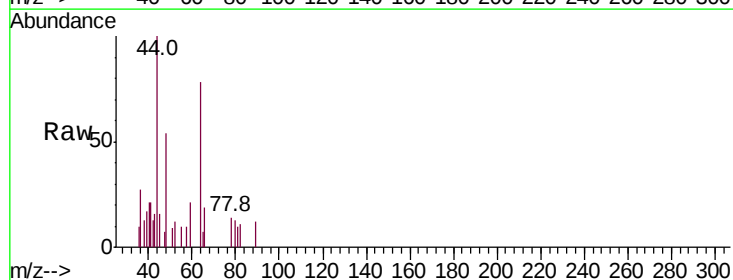
Acq: 28 Feb 2019 15:32

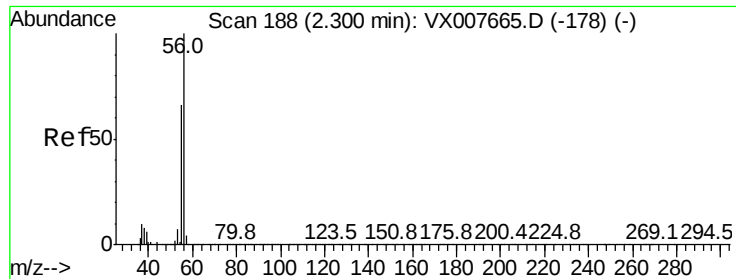
Tgt Ion: 59 Resp: 188

Ion Ratio Lower Upper

59 100

57 51.6 8.1 12.1#





#13

Acrolein

Concen: 0.530 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007767.D

Acq: 28 Feb 2019 15:32

Instrument :

MSVOA_X

ClientSampled :

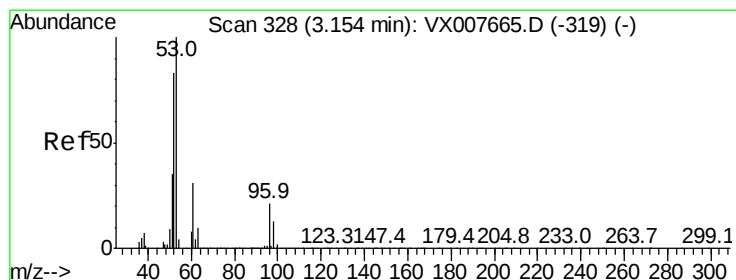
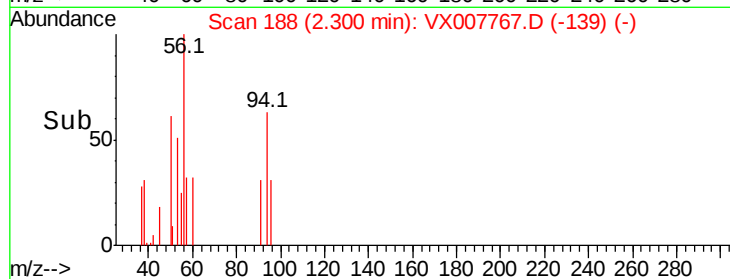
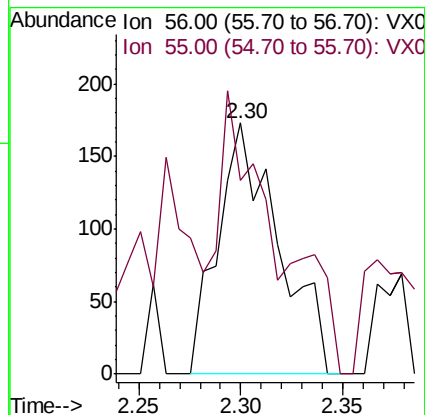
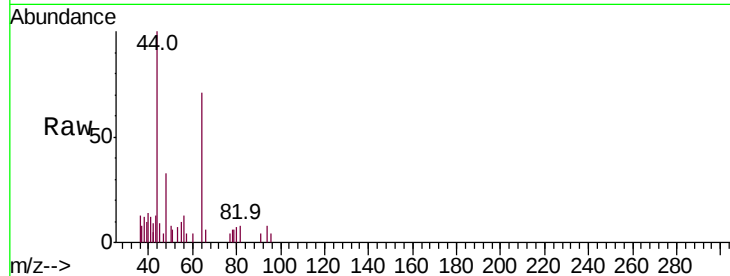
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Tot Ion: 56 Resp: 357

Ion Ratio Lower Upper

56 100

55 35.0 56.9 85.3#



#15

Acrylonitrile

Concen: 0.372 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX007767.D

Acq: 28 Feb 2019 15:32

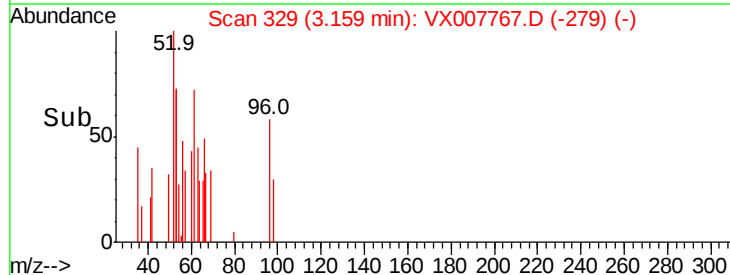
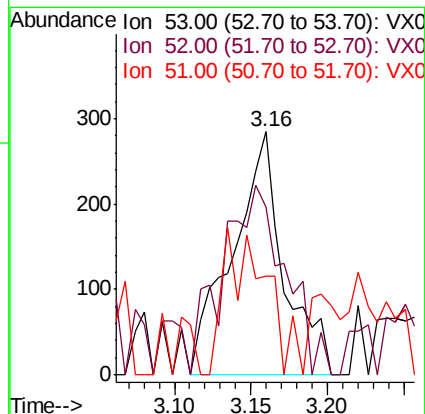
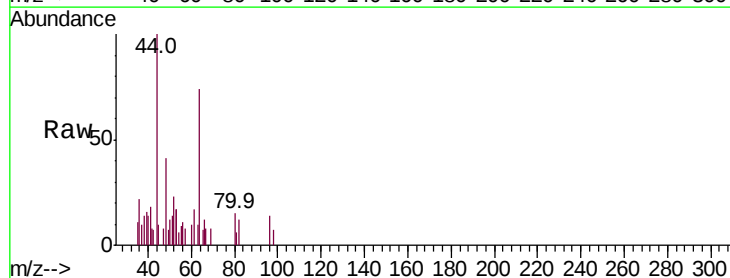
Tgt Ion: 53 Resp: 664

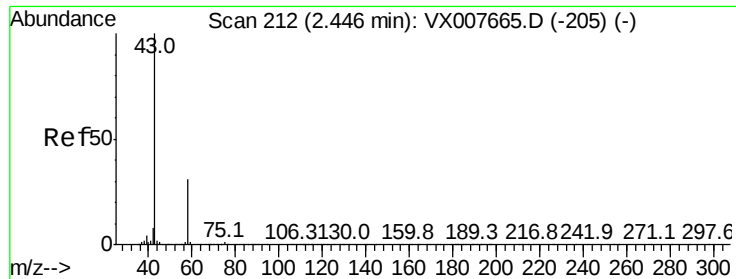
Ion Ratio Lower Upper

53 100

52 95.0 66.4 99.6

51 0.0 28.4 42.6#





#16

Acetone

Concen: 0.521 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007767.D

Acq: 28 Feb 2019 15:32

Instrument :

MSVOA_X

ClientSampled :

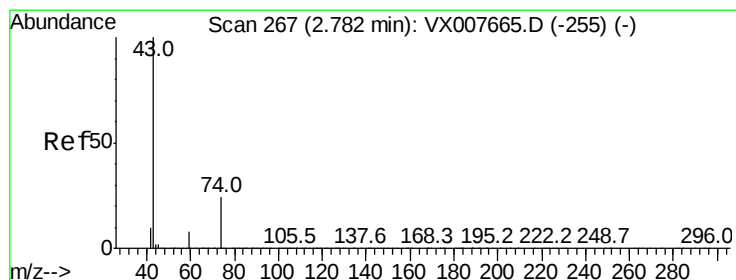
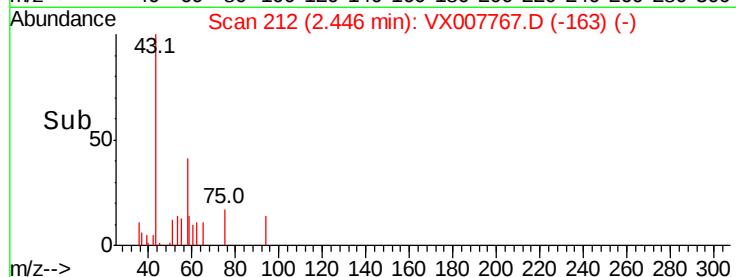
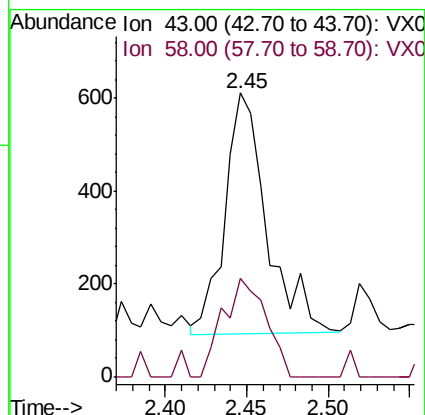
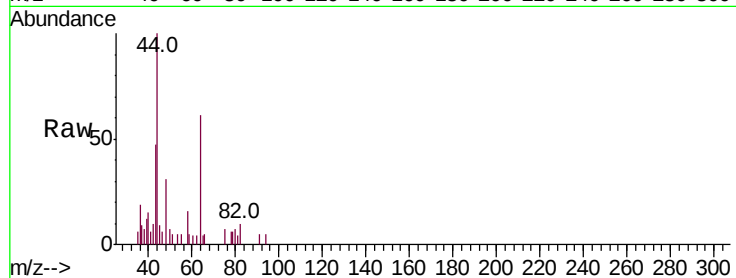
TB-022719

Tot Ion: 43 Resp: 925

Ion Ratio Lower Upper

43 100

58 40.9 24.9 37.3#



#18

Methyl Acetate

Concen: 0.218 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX007767.D

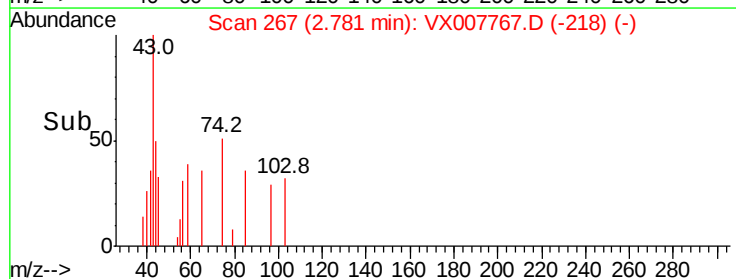
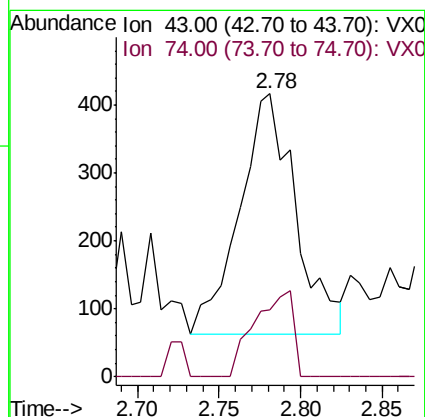
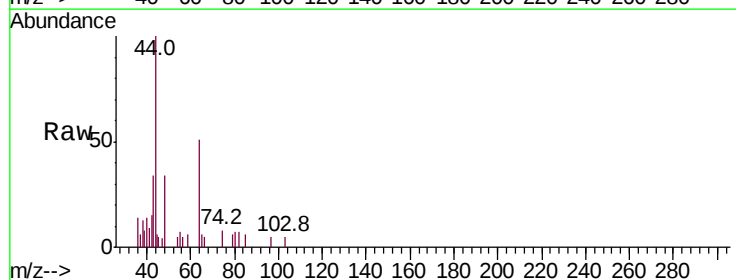
Acq: 28 Feb 2019 15:32

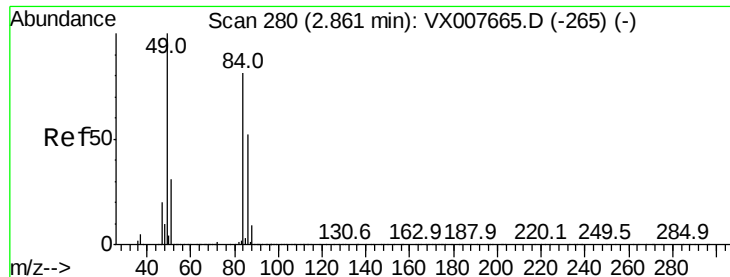
Tgt Ion: 43 Resp: 847

Ion Ratio Lower Upper

43 100

74 24.3 19.4 29.2

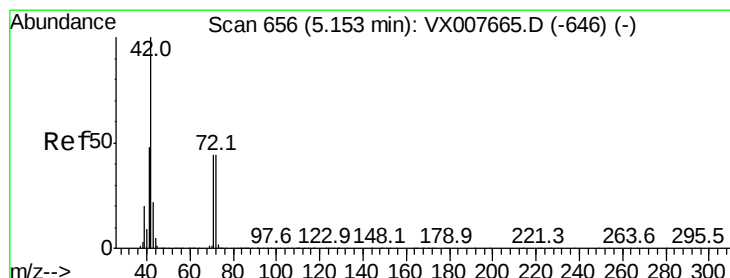
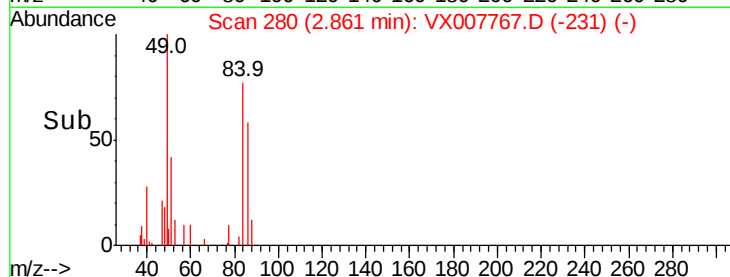
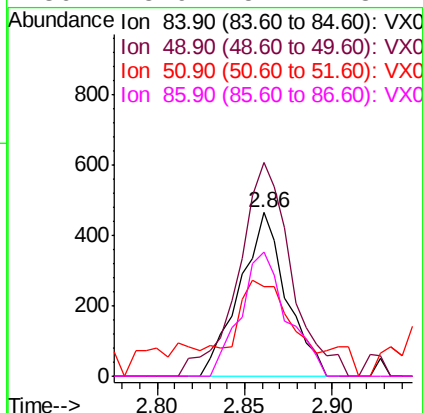
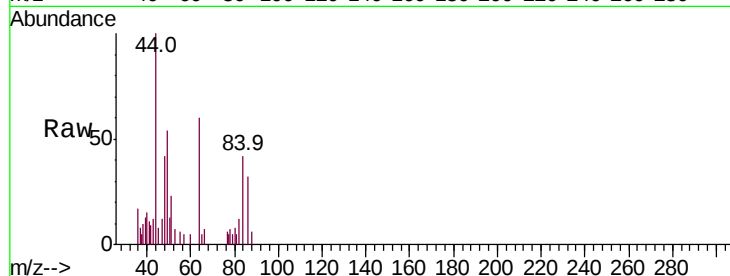




#20
Methvlene Chloride
Concen: 0.265 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007767.D
Acq: 28 Feb 2019 15:32

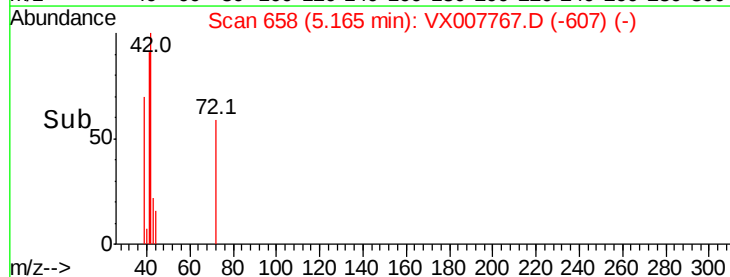
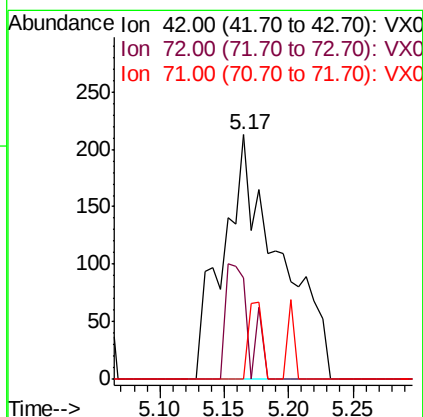
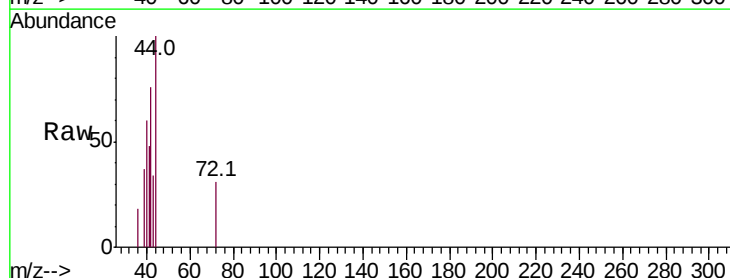
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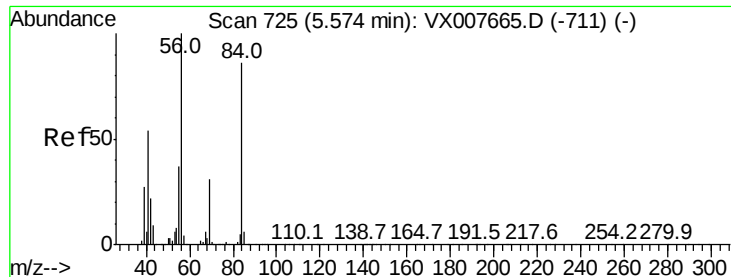
Tot Ion:	84	Resp:	870
Ion	Ratio	Lower	Upper
84	100		
49	119.4	94.8	142.2
51	36.6	29.8	44.8
86	75.9	54.1	81.1



#29
Tetrahydrofuran
Concen: 0.360 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX007767.D
Acq: 28 Feb 2019 15:32

Tgt Ion:	42	Resp:	642
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.6	56.4#
71	7.6	34.6	51.8#

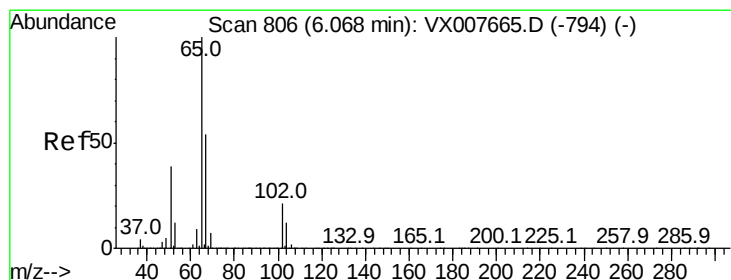
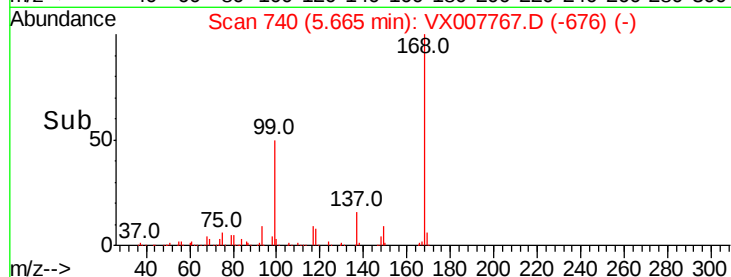
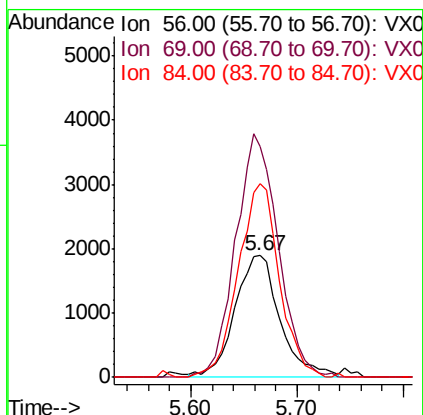
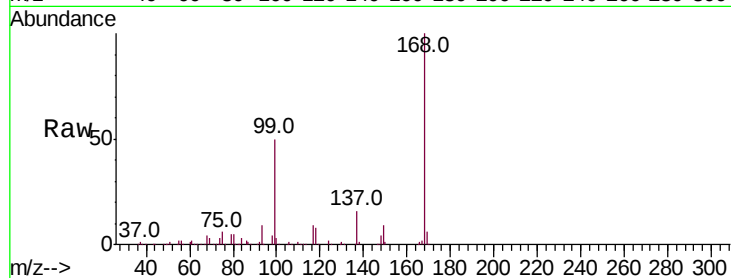




#31
Cyclohexane
Concen: 1.015 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007767.D
Acq: 28 Feb 2019 15:32

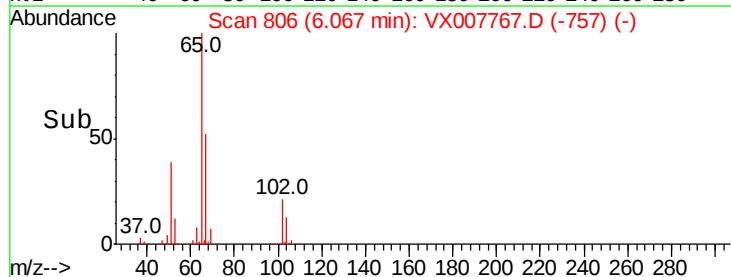
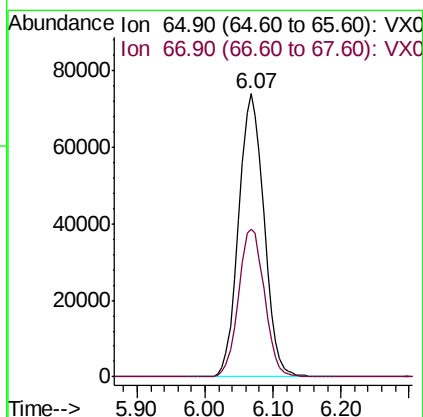
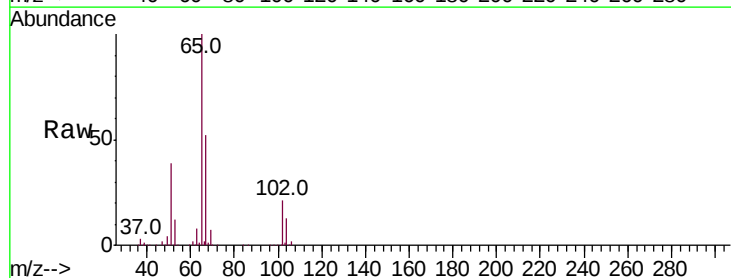
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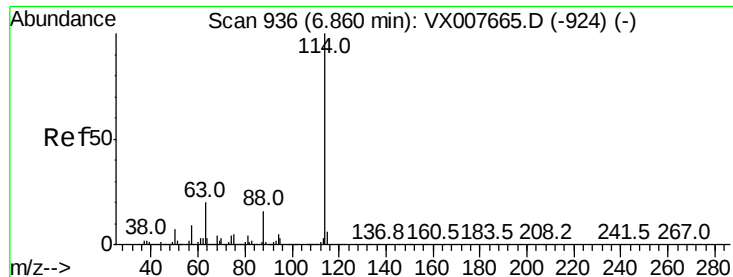
Tot Ion: 56 Resp: 5636
Ion Ratio Lower Upper
56 100
69 195.3 23.0 34.6#
84 163.7 69.8 104.6#



#33
1,2-Dichloroethane-d4
Concen: 48.010 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007767.D
Acq: 28 Feb 2019 15:32

Tgt Ion: 65 Resp: 191819
Ion Ratio Lower Upper
65 100
67 53.3 0.0 108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007767.D

Acq: 28 Feb 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

TB-022719

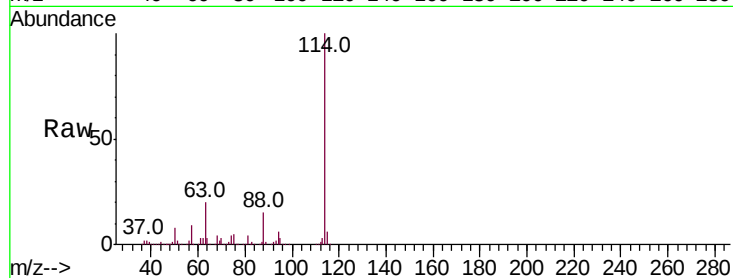
Tot Ion:114 Resp: 499867

Ion Ratio Lower Upper

114 100

63 19.7 0.0 35.6

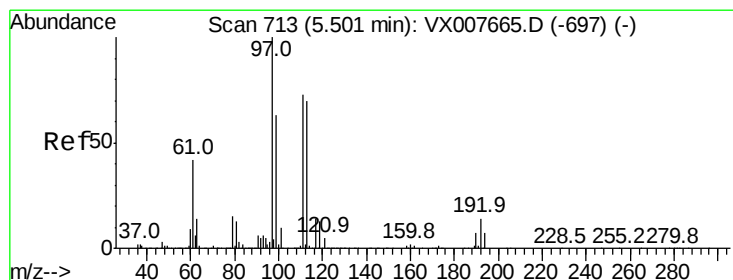
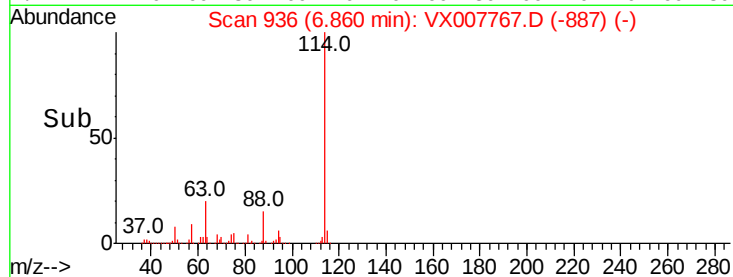
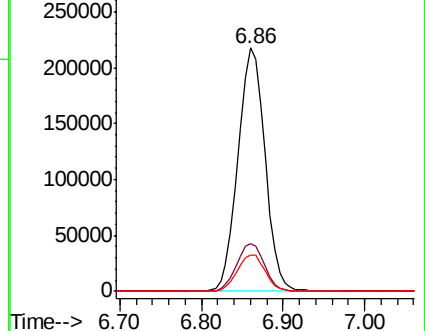
88 14.8 0.0 29.6



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



#35

Dibromofluoromethane

Concen: 48.877 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007767.D

Acq: 28 Feb 2019 15:32

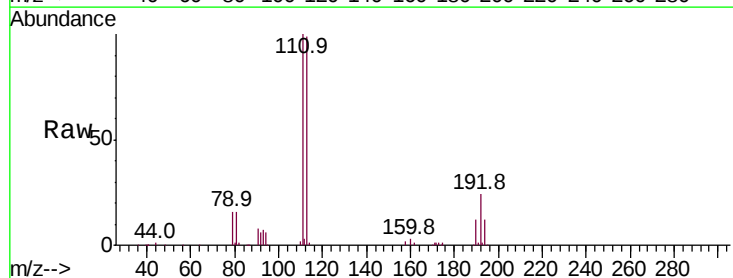
Tgt Ion:113 Resp: 163320

Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.8

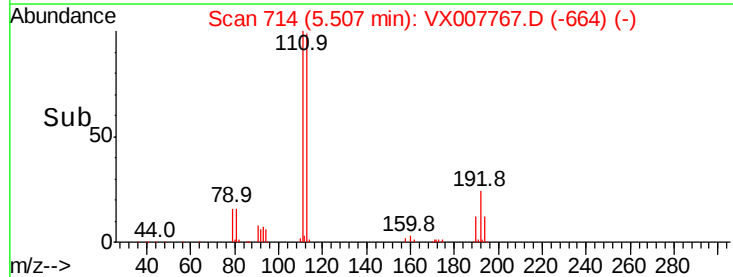
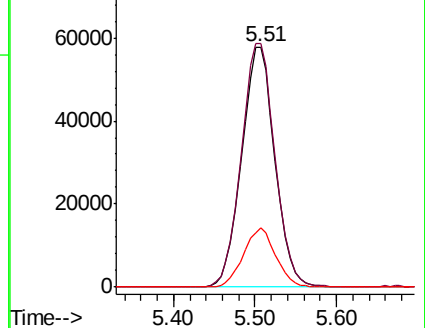
192 24.0 18.5 27.7

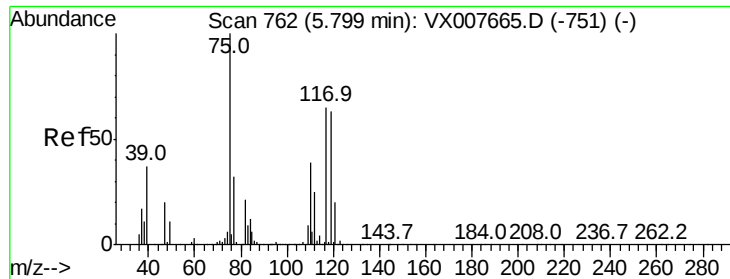


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.628 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007767.D

Acq: 28 Feb 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

TB-022719

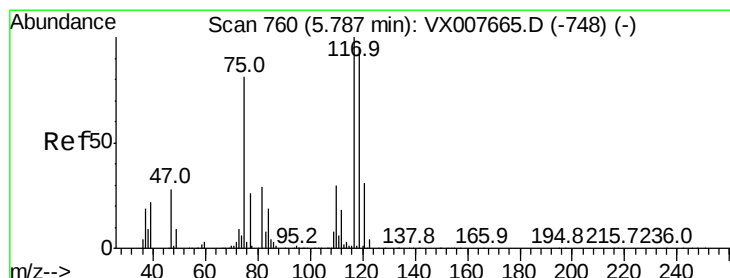
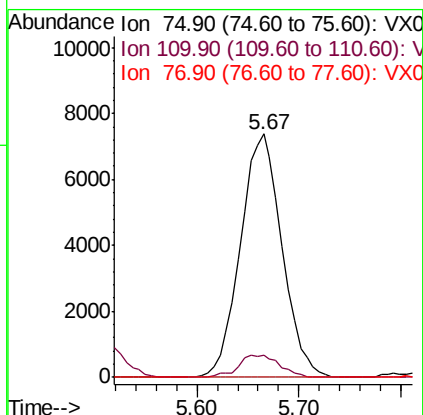
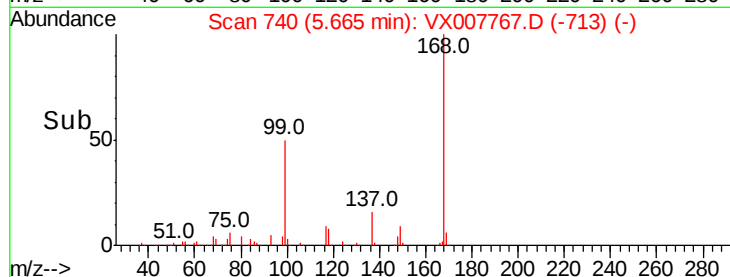
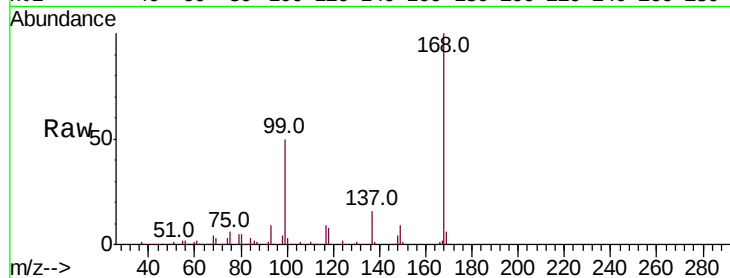
Tot Ion: 75 Resp: 20797

Ion Ratio Lower Upper

75 100

110 9.1 20.0 59.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.154 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007767.D

Acq: 28 Feb 2019 15:32

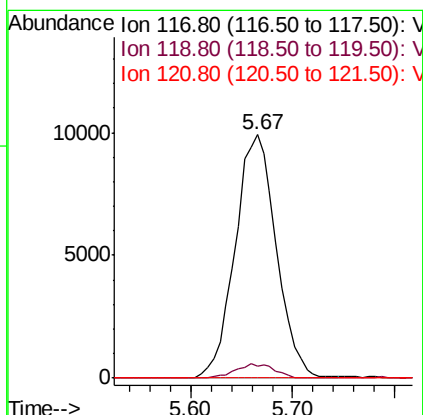
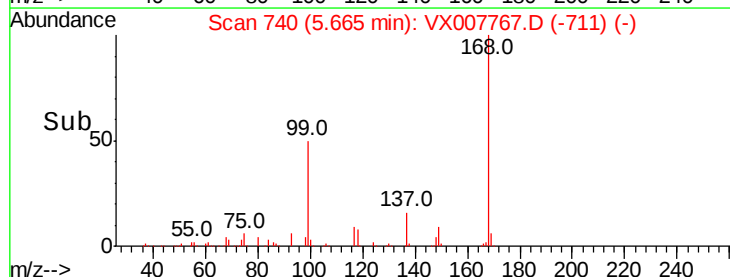
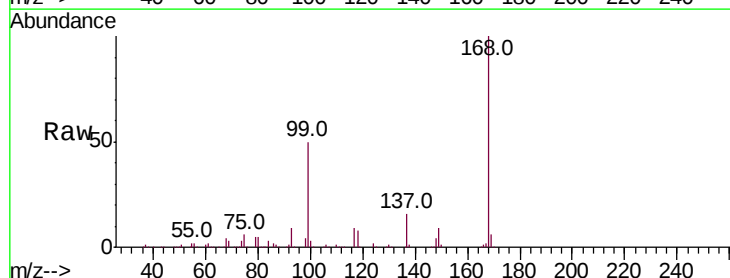
Tgt Ion: 117 Resp: 27782

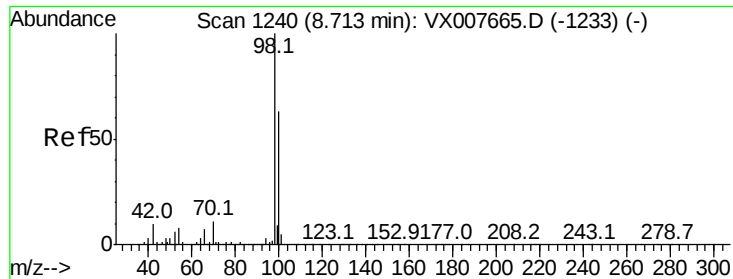
Ion Ratio Lower Upper

117 100

119 4.8 75.3 112.9#

121 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 48.158 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007767.D

Acq: 28 Feb 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

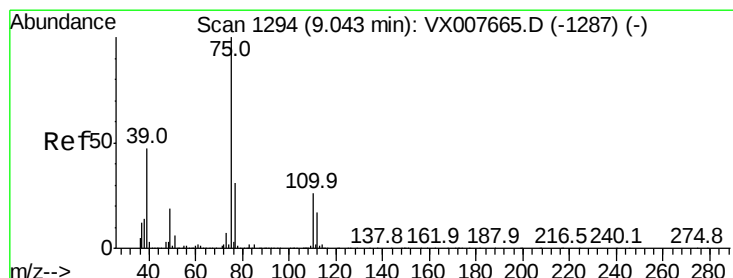
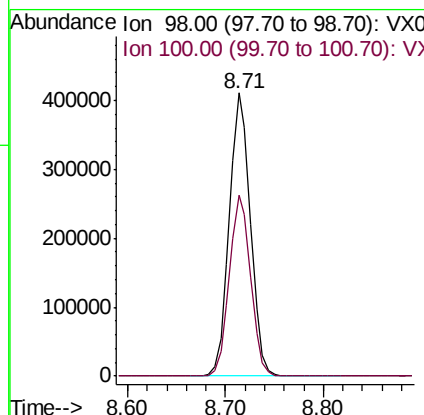
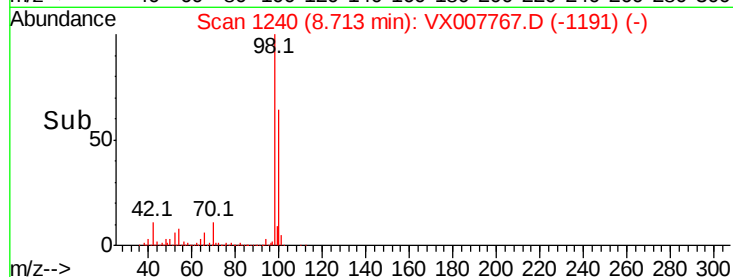
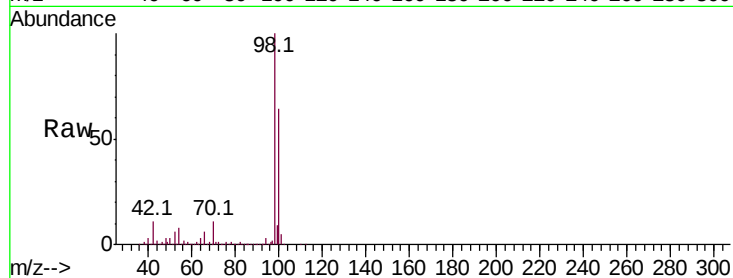
TB-022719

Tot Ion: 98 Resp: 616058

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4



#53

t-1,3-Dichloropropene

Concen: 2.813 ug/l

RT: 9.05 min Scan# 1296

Delta R.T. 0.01 min

Lab File: VX007767.D

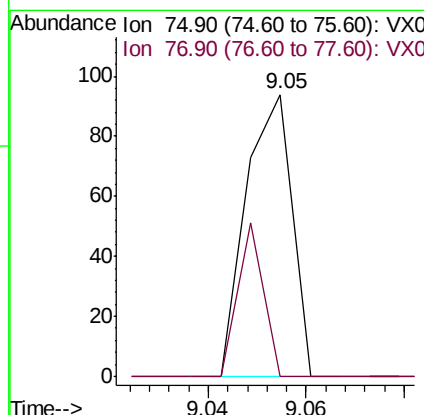
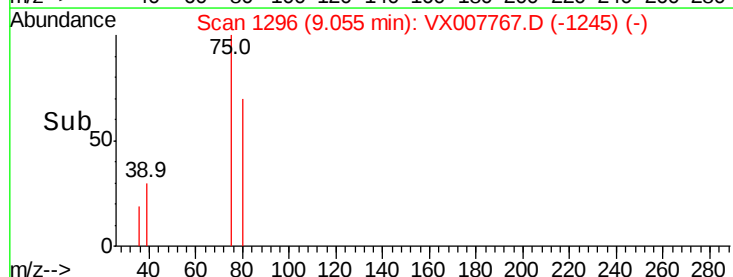
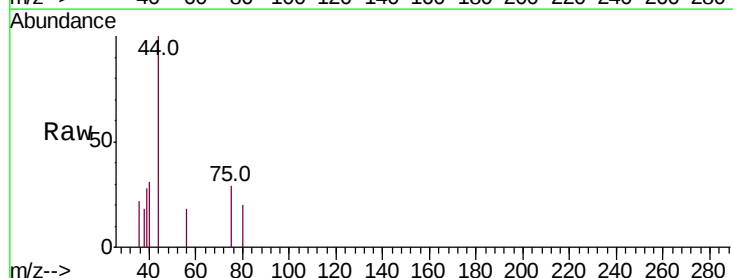
Acq: 28 Feb 2019 15:32

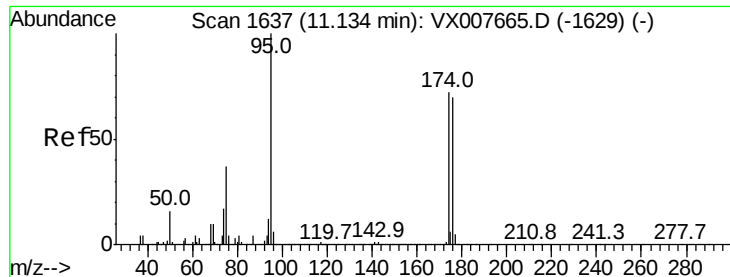
Tgt Ion: 75 Resp: 61

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#





#62

4-Bromofluorobenzene

Concen: 46.595 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007767.D

Acq: 28 Feb 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

TB-022719

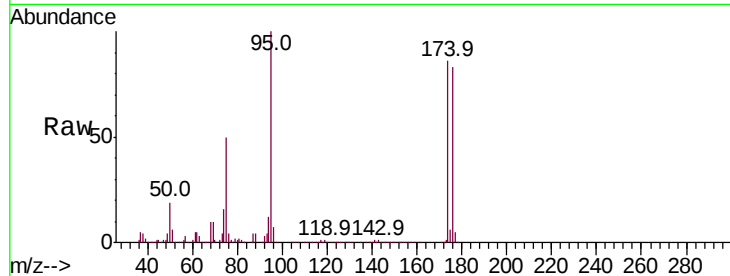
Tot Ion: 95 Resp: 218775

Ion Ratio Lower Upper

95 100

174 92.3 0.0 189.2

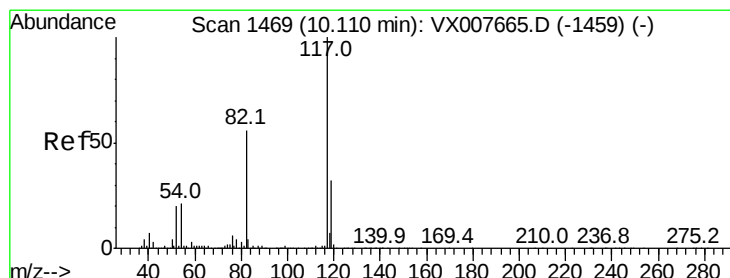
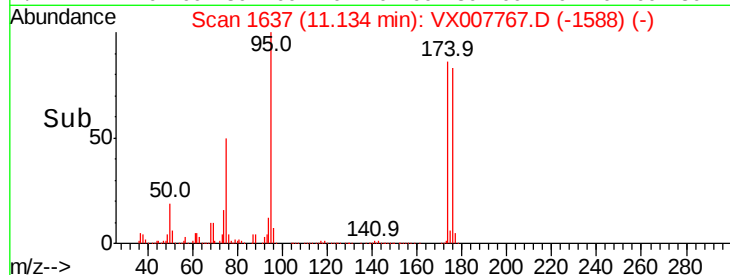
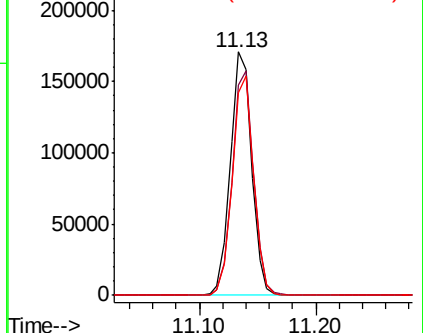
176 89.9 0.0 186.2



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX007767.D

Acq: 28 Feb 2019 15:32

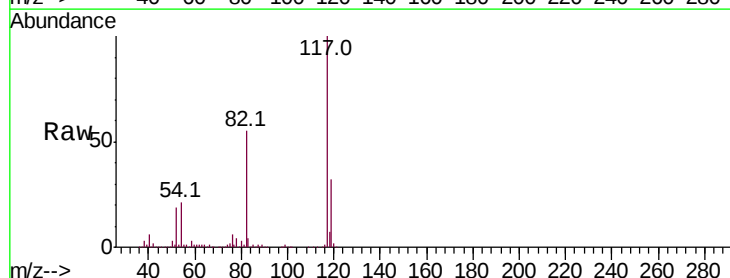
Tgt Ion: 117 Resp: 476807

Ion Ratio Lower Upper

117 100

82 54.8 42.1 63.1

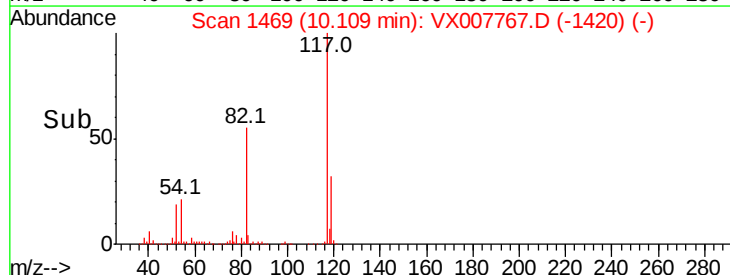
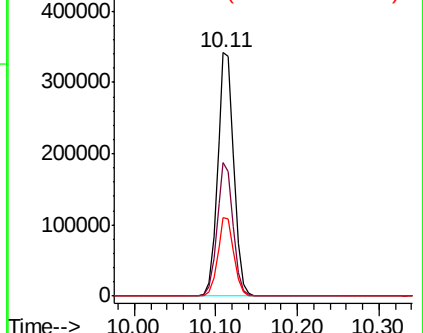
119 32.2 26.5 39.7

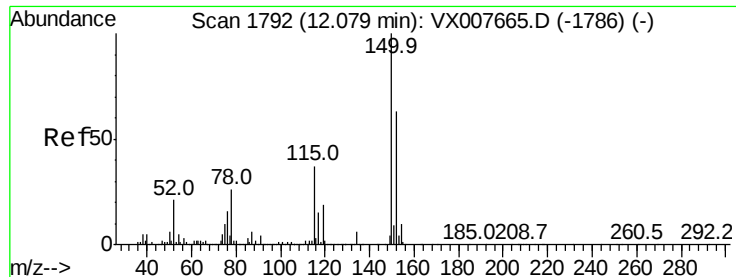


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX007767.D

Acq: 28 Feb 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

TB-022719

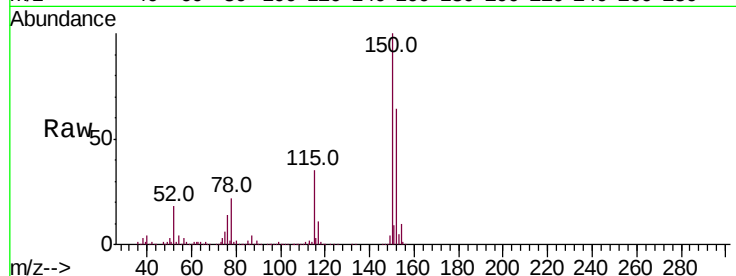
Tot Ion:152 Resp: 225791

Ion Ratio Lower Upper

152 100

115 55.0 38.0 114.0

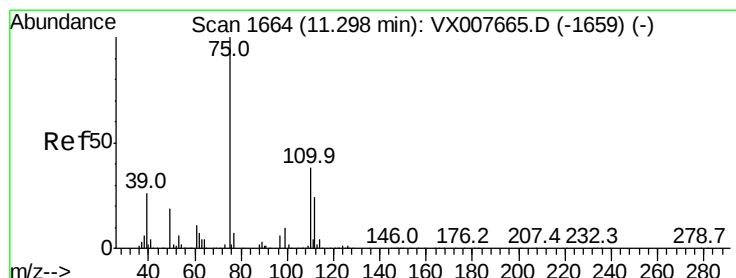
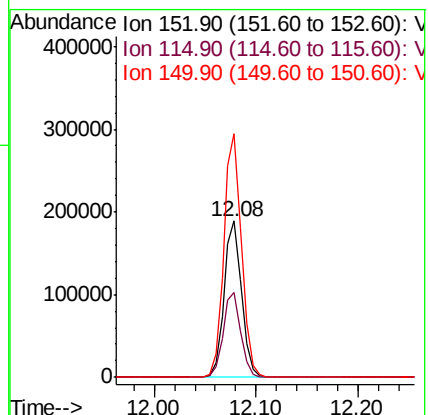
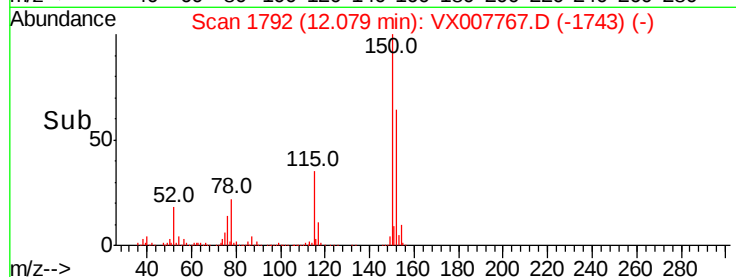
150 157.1 0.0 346.4



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: 22.012 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007767.D

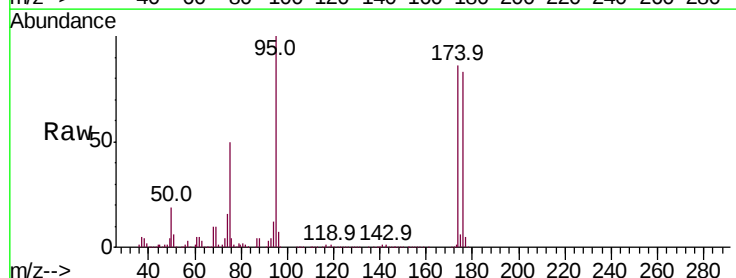
Acq: 28 Feb 2019 15:32

Tgt Ion: 75 Resp: 105942

Ion Ratio Lower Upper

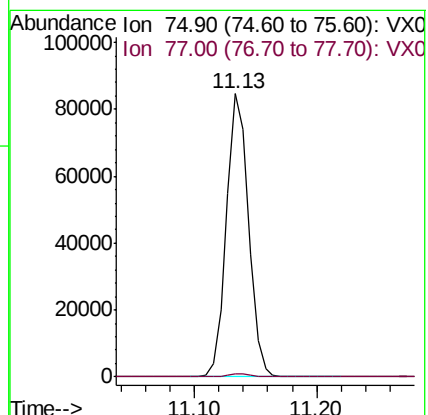
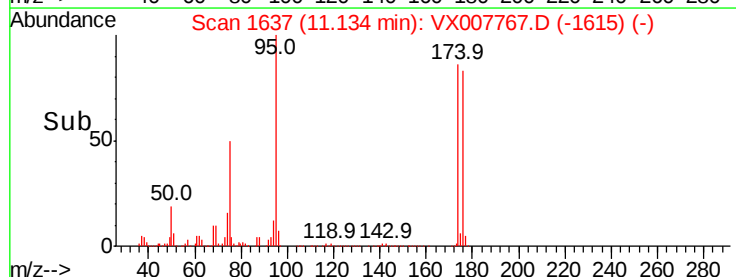
75 100

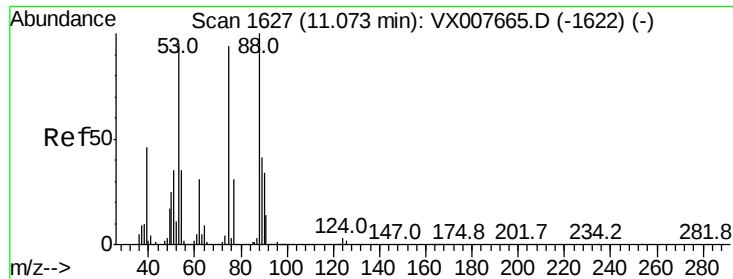
77 1.2 23.0 69.0#



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: 58.446 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007767.D

Acq: 28 Feb 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

TB-022719

Tot Ion: 75 Resp: 105942

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.0 41.4 62.0#

