

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050619\
 Data File : VX009346.D
 Acq On : 06 May 2019 13:31
 Operator : JC/SP
 Sample : K2707-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB-20190502

Quant Time: May 07 06:35:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 04 07:18:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	196330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	316787	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	276769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115681	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	128386	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	
35) Dibromofluoromethane	5.49	113	96124	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
50) Toluene-d8	8.71	98	391938	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
62) 4-Bromofluorobenzene	11.13	95	129298	44.26	ug/l	0.00
Spiked Amount			Recovery	=	88.52%	

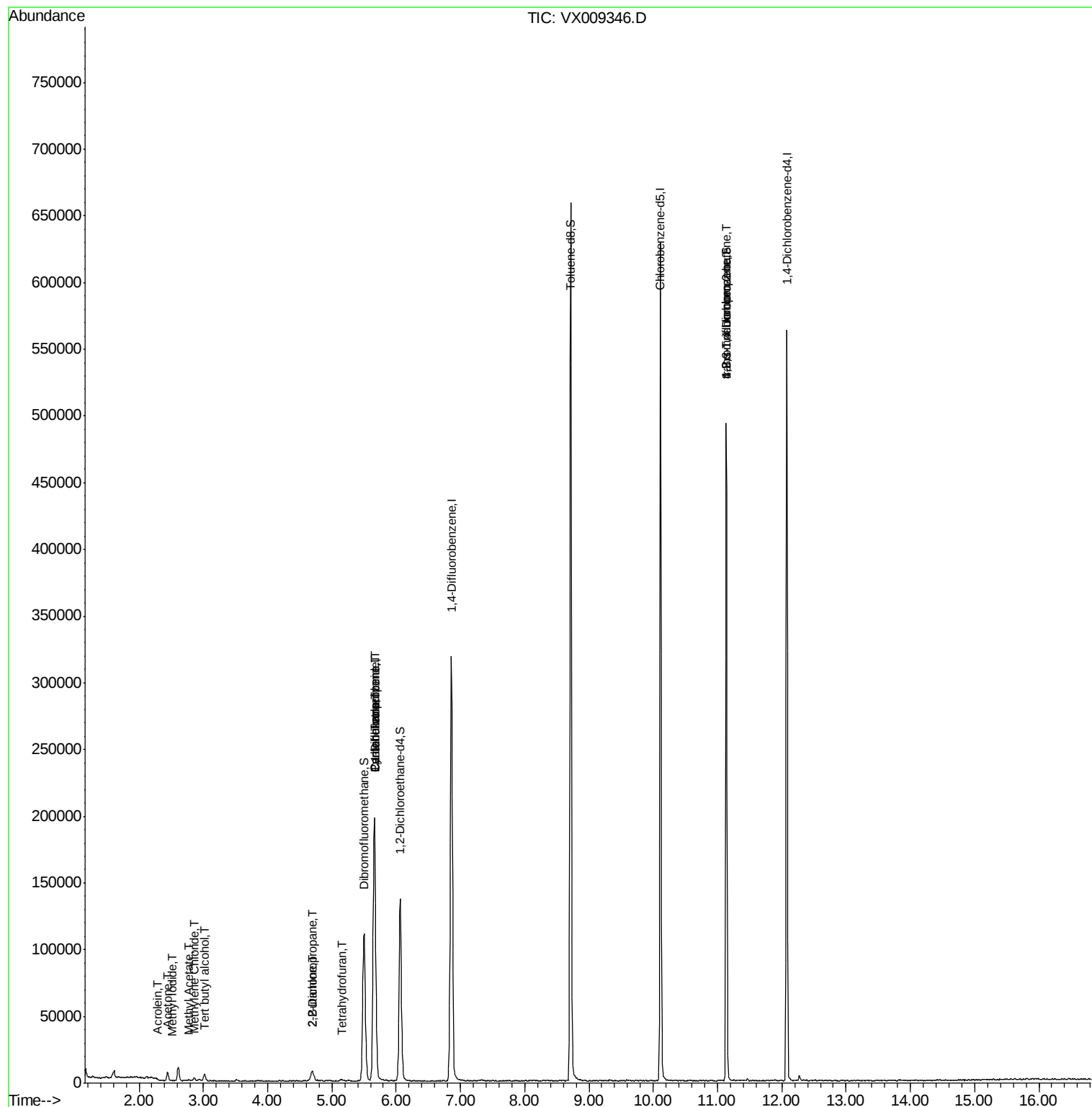
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.51	142	48	4.614	ug/l #	42
11) Tert butyl alcohol	3.01	59	3155	5.086	ug/l #	78
13) Acrolein	2.29	56	125	0.222	ug/l	93
16) Acetone	2.44	43	6834	4.749	ug/l	95
18) Methyl Acetate	2.78	43	835	0.244	ug/l #	88
20) Methylene Chloride	2.85	84	985	0.423	ug/l	92
25) 2-Butanone	4.69	43	1036	0.463	ug/l #	89
26) 2,2-Dichloropropane	4.69	77	757	0.239	ug/l #	53
28) Bromochloromethane	5.03	49	68	Below Cal	#	20
29) Tetrahydrofuran	5.15	42	1419	0.986	ug/l #	83
31) Cyclohexane	5.66	56	4217	1.064	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15193	5.161	ug/l #	51
38) Carbon Tetrachloride	5.67	117	18312	6.846	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	65126	24.270	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	65126	62.099	ug/l #	10

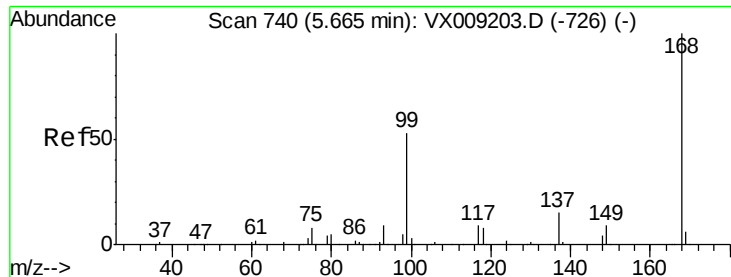
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 07 06:35:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Sat May 04 07:18:36 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: VX009346.D

Acq: 06 May 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

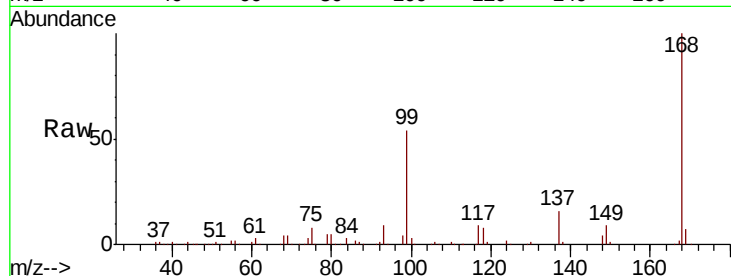
BP-TB-20190502

Tot Ion:168 Resp: 196330

Ion Ratio Lower Upper

168 100

99 53.9 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

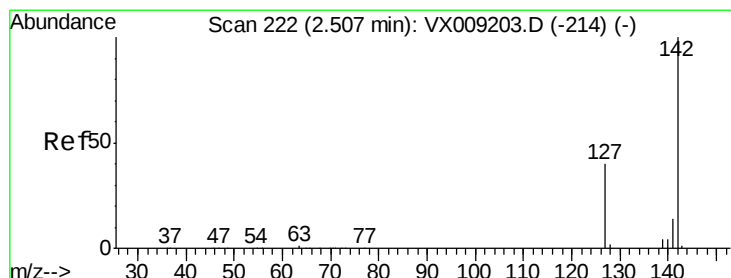
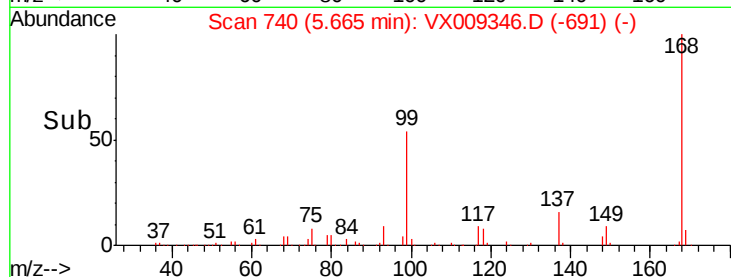
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 4.614 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009346.D

Acq: 06 May 2019 13:31

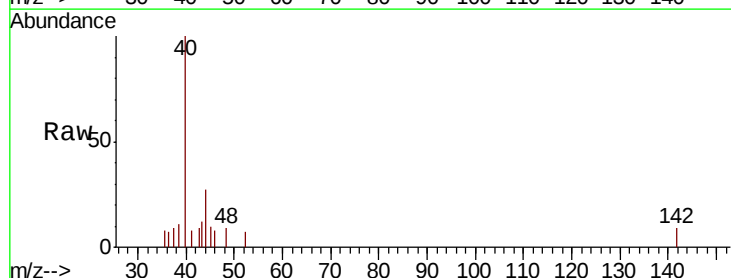
Tgt Ion:142 Resp: 48

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

100

80

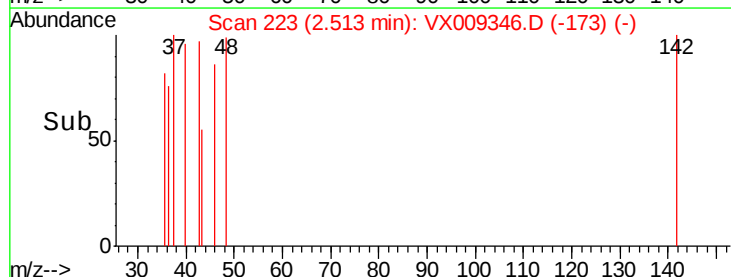
60

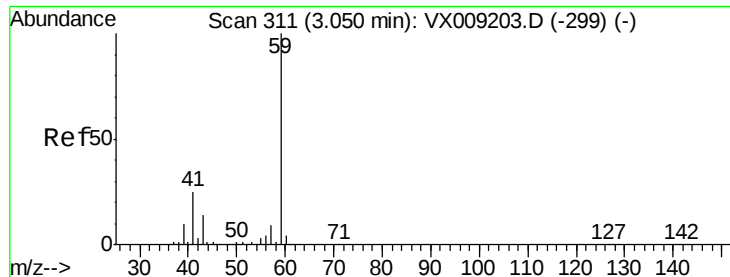
40

20

0

Time--> 2.50 2.52 2.54



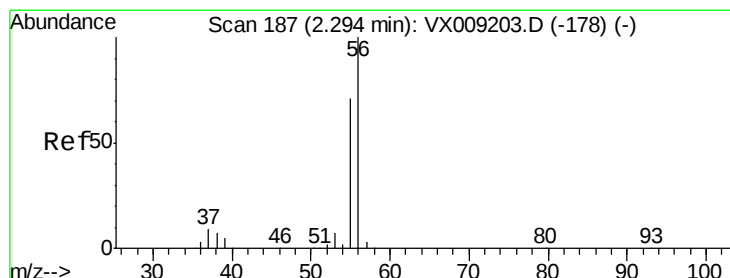
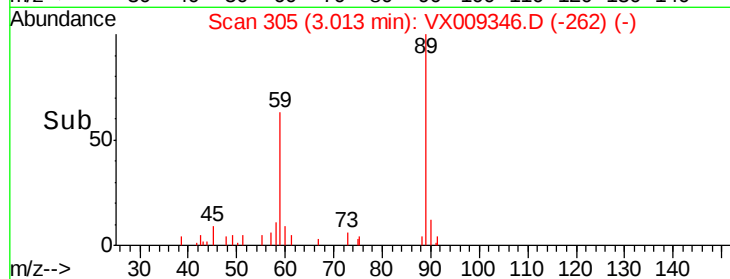
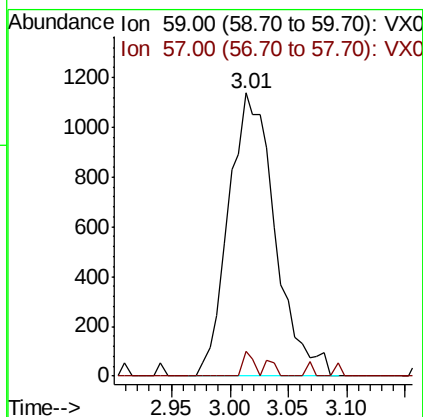
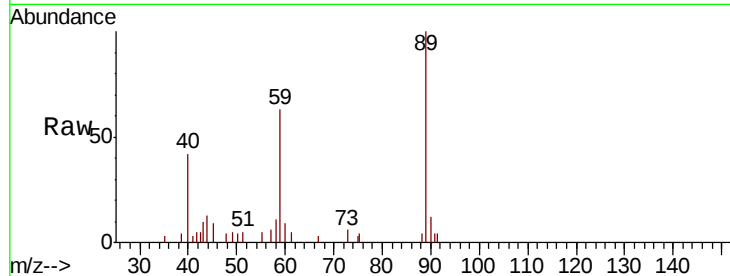


#11

Tert butyl alcohol
Concen: 5.086 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX009346.D
Acq: 06 May 2019 13:31

Instrument :
MSVOA_X
ClientSampleId :
BP-TB-20190502

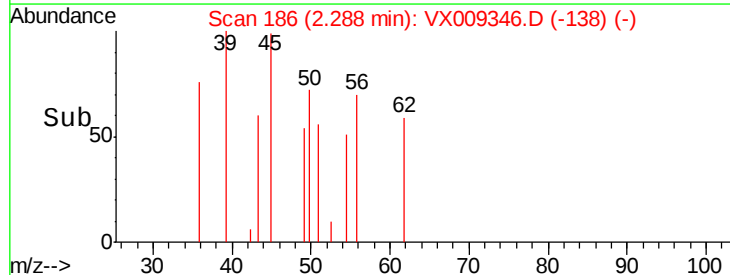
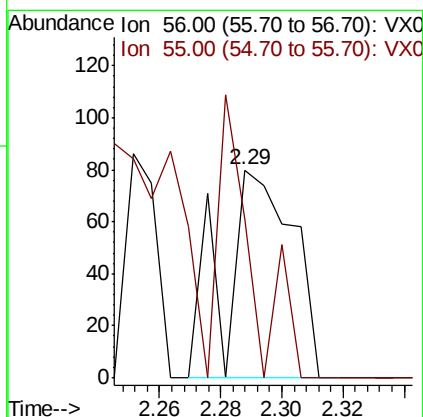
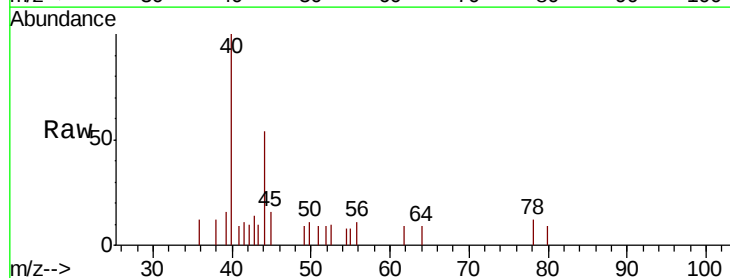
Tot Ion: 59 Resp: 3155
Ion Ratio Lower Upper
59 100
57 2.0 8.2 12.2#

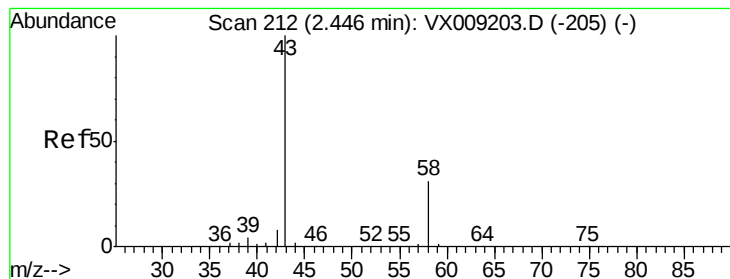


#13

Acrolein
Concen: 0.222 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX009346.D
Acq: 06 May 2019 13:31

Tgt Ion: 56 Resp: 125
Ion Ratio Lower Upper
56 100
55 64.8 56.6 85.0





#16

Acetone

Concen: 4.749 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009346.D

Acq: 06 May 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

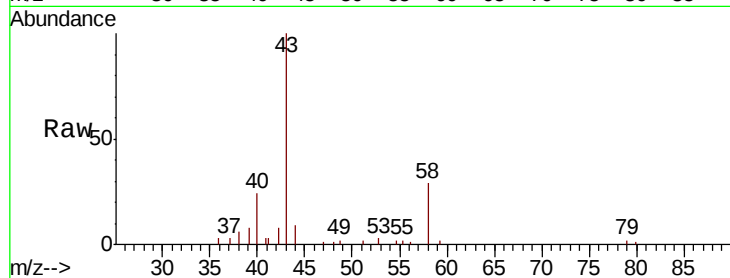
BP-TB-20190502

Tot Ion: 43 Resp: 6834

Ion Ratio Lower Upper

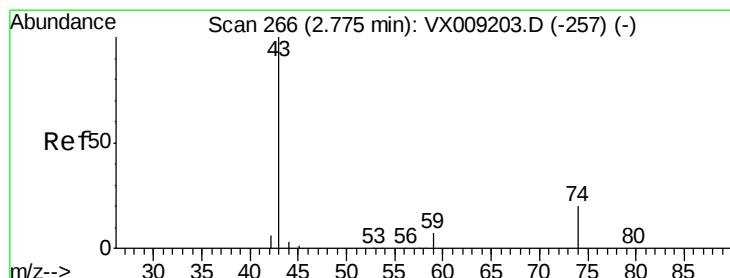
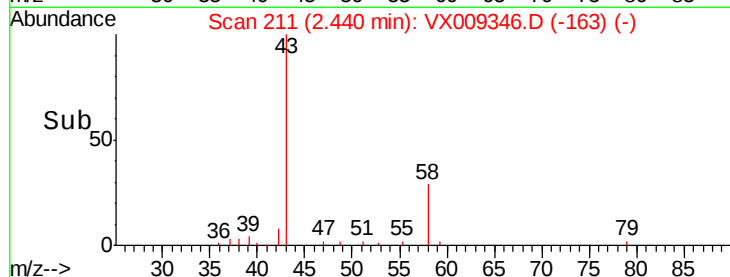
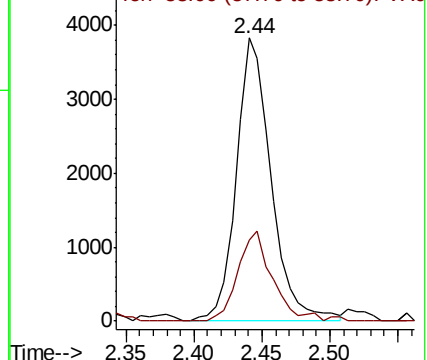
43 100

58 28.6 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.244 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009346.D

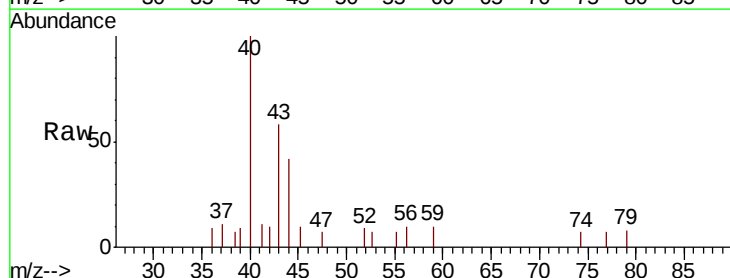
Acq: 06 May 2019 13:31

Tgt Ion: 43 Resp: 835

Ion Ratio Lower Upper

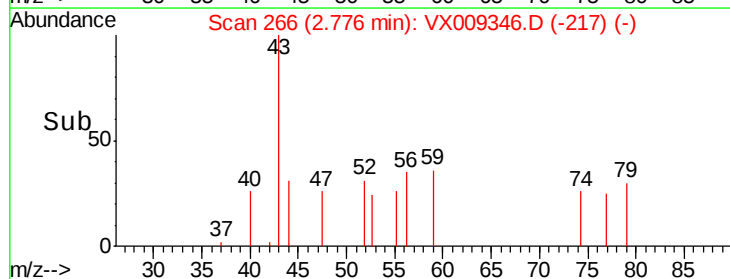
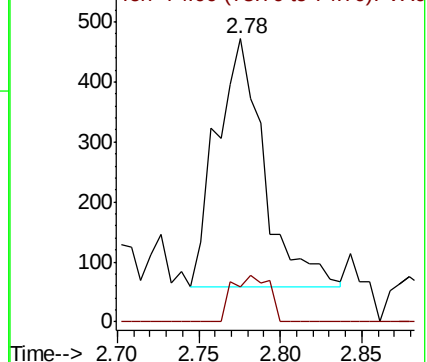
43 100

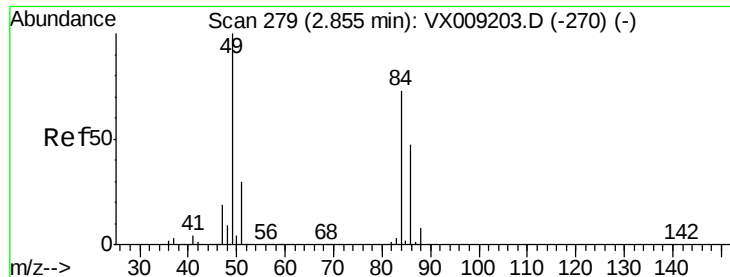
74 14.9 16.2 24.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

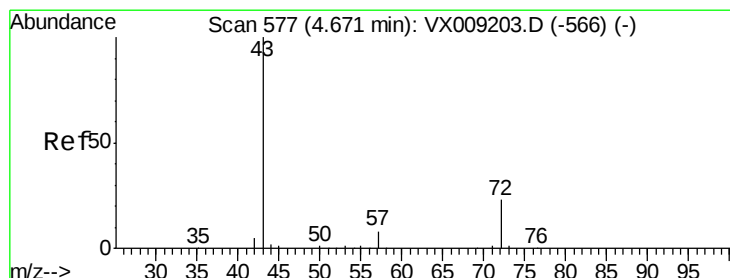
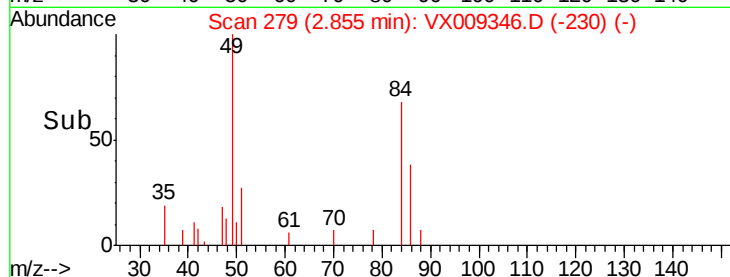
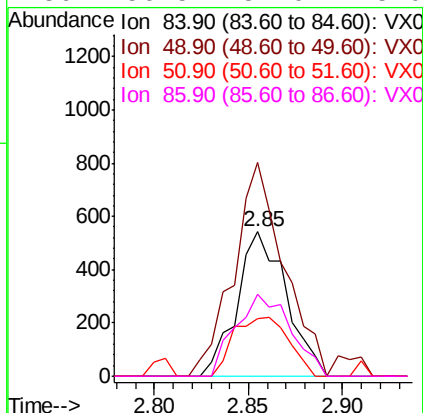
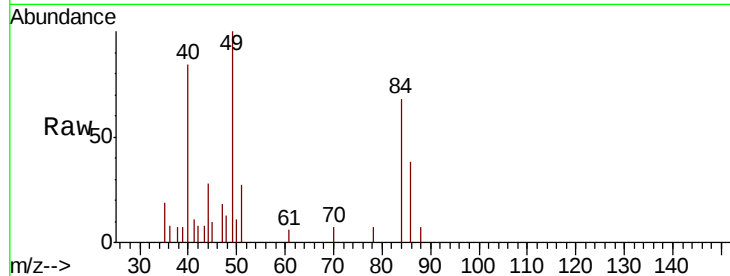




#20
Methvlene Chloride
Concen: 0.423 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009346.D
Acq: 06 May 2019 13:31

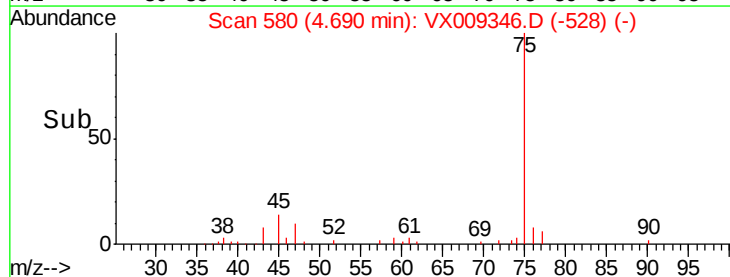
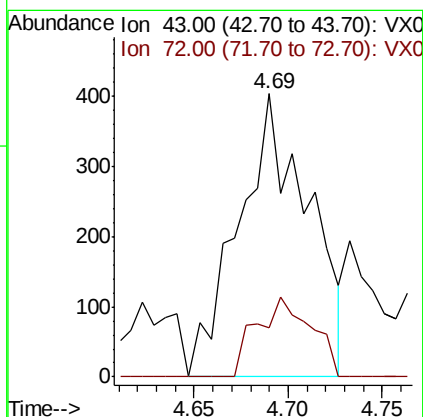
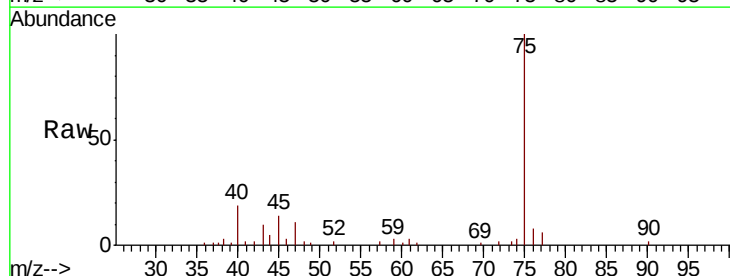
Instrument :
MSVOA_X
ClientSampleId :
BP-TB-20190502

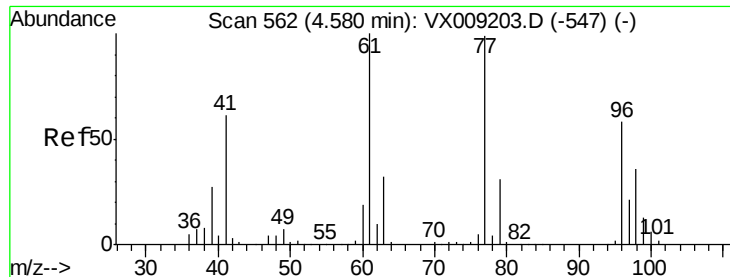
Tot Ion:	84	Resp:	985
Ion	Ratio	Lower	Upper
84	100		
49	148.0	109.9	164.9
51	39.9	32.7	49.1
86	56.5	52.0	78.0



#25
2-Butanone
Concen: 0.463 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX009346.D
Acq: 06 May 2019 13:31

Tgt Ion:	43	Resp:	1036
Ion	Ratio	Lower	Upper
43	100		
72	17.4	18.2	27.2#





#26

2,2-Dichloropropane

Concen: 0.239 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.11 min

Lab File: VX009346.D

Acq: 06 May 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

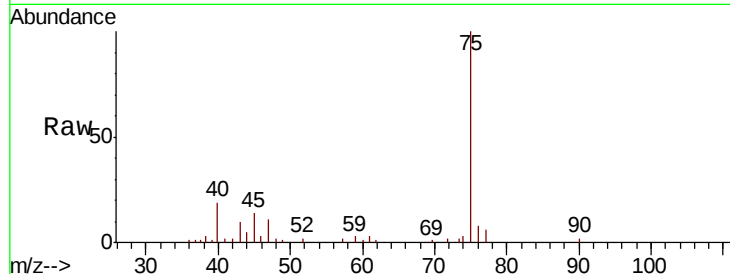
BP-TB-20190502

Tot Ion: 77 Resp: 757

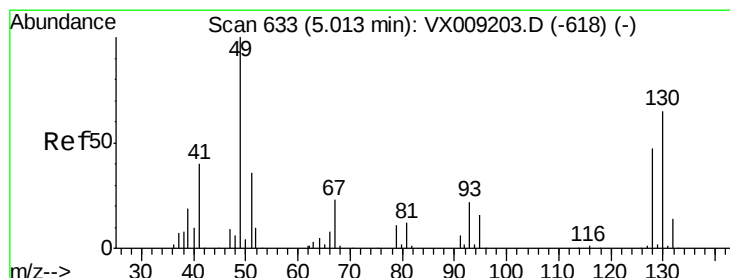
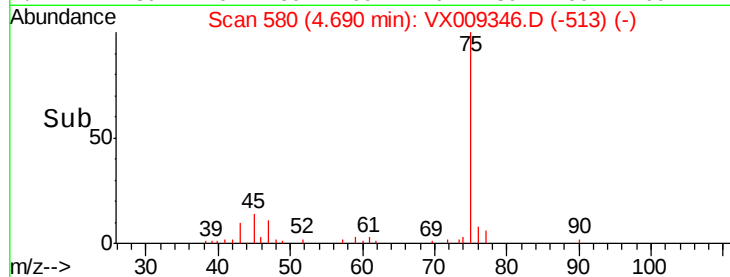
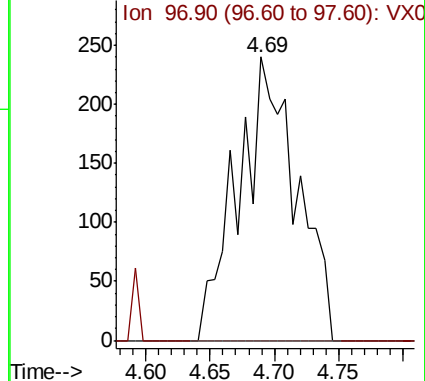
Ion Ratio Lower Upper

77 100

97 0.0 11.5 34.4#



Abundance Ion 76.90 (76.60 to 77.60): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.02 min

Lab File: VX009346.D

Acq: 06 May 2019 13:31

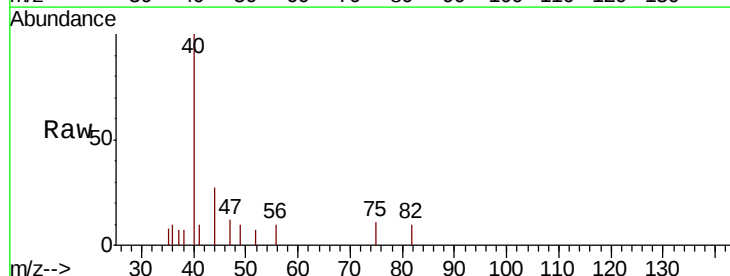
Tgt Ion: 49 Resp: 68

Ion Ratio Lower Upper

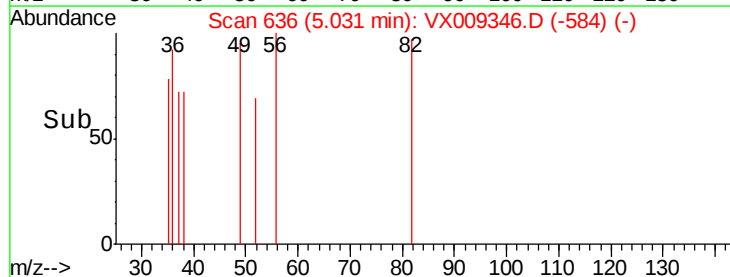
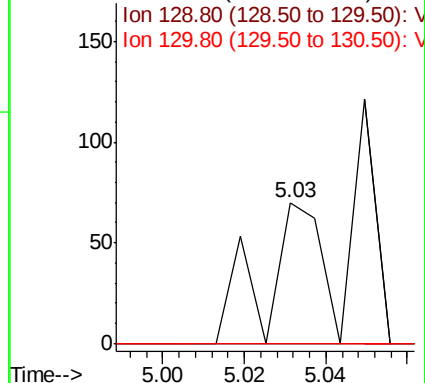
49 100

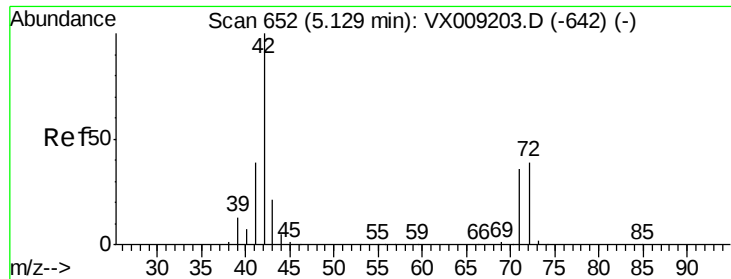
129 0.0 0.0 3.8

130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

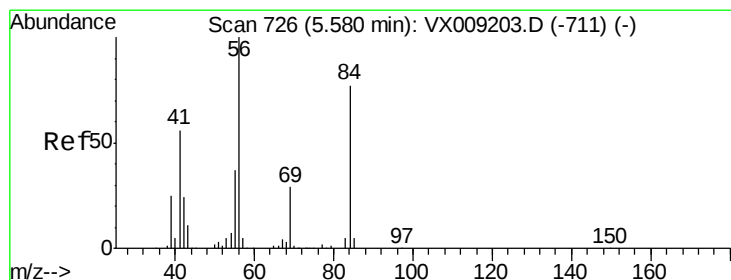
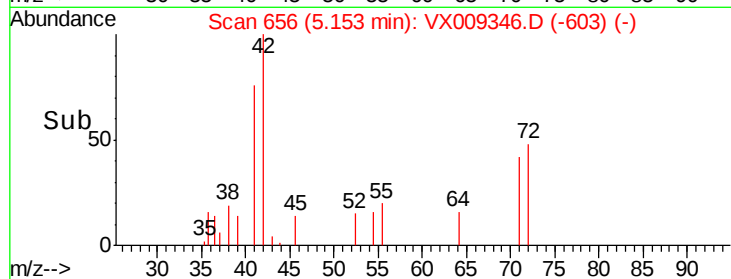
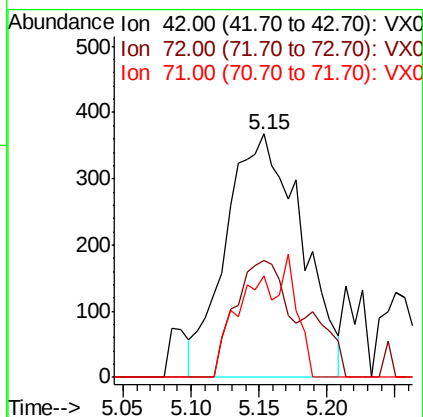
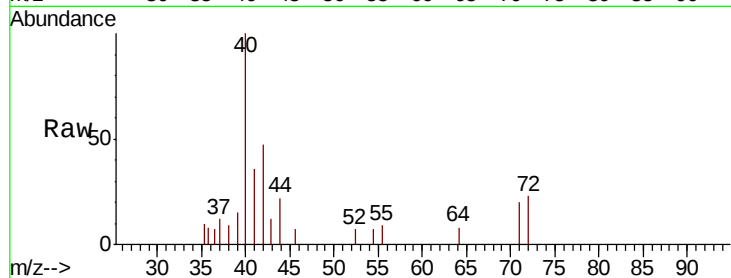




#29
Tetrahydrofuran
Concen: 0.986 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.02 min
Lab File: VX009346.D
Acq: 06 May 2019 13:31

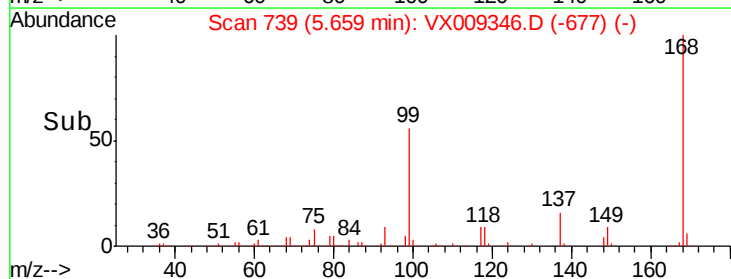
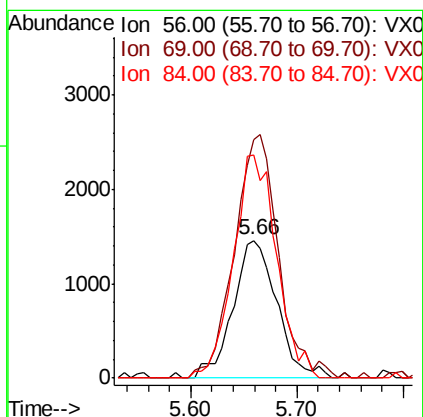
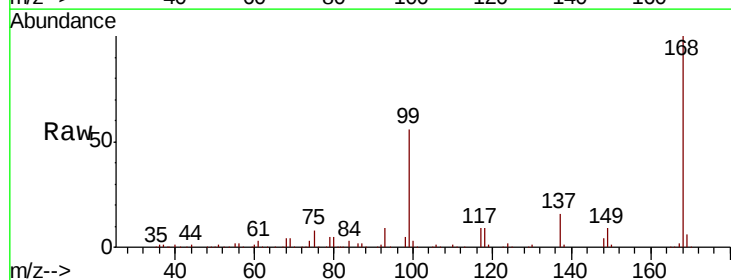
Instrument :
MSVOA_X
ClientSampled :
BP-TB-20190502

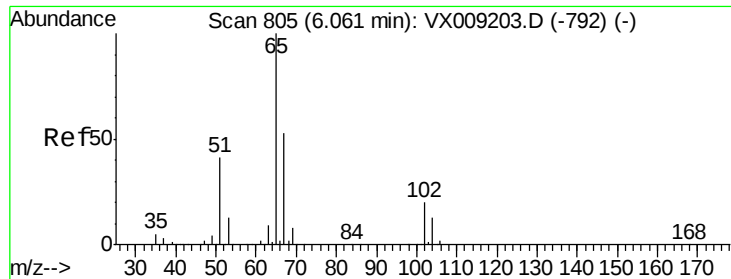
Tot Ion: 42 Resp: 1419
Ion Ratio Lower Upper
42 100
72 32.6 30.4 45.6
71 20.5 28.6 43.0#



#31
Cyclohexane
Concen: 1.064 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009346.D
Acq: 06 May 2019 13:31

Tgt Ion: 56 Resp: 4217
Ion Ratio Lower Upper
56 100
69 173.7 23.4 35.0#
84 162.1 61.9 92.9#

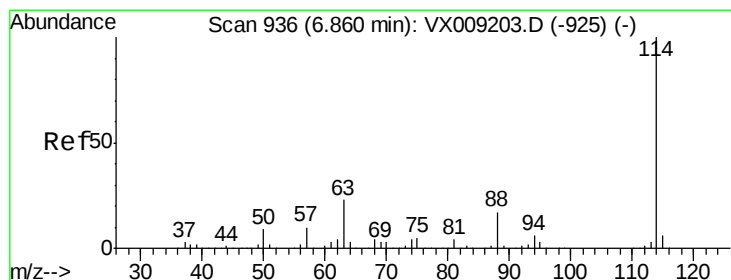
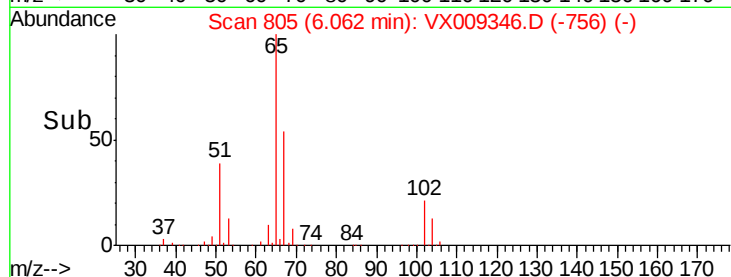
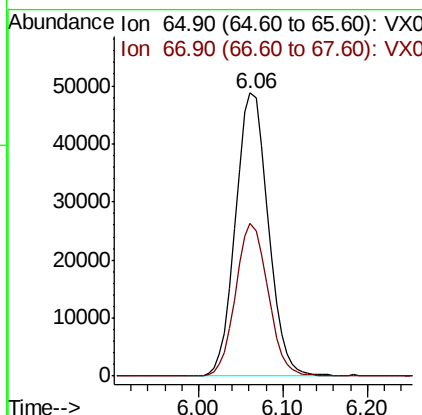
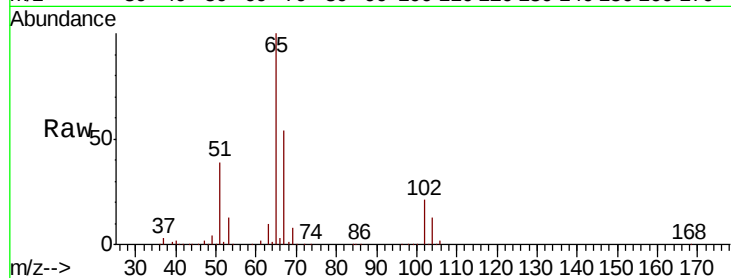




#33
 1,2-Dichloroethane-d4
 Concen: 47.903 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009346.D
 Acq: 06 May 2019 13:31

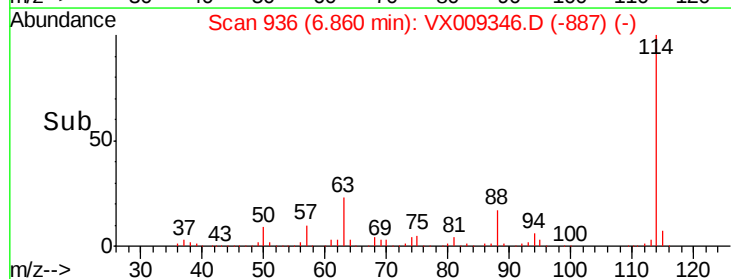
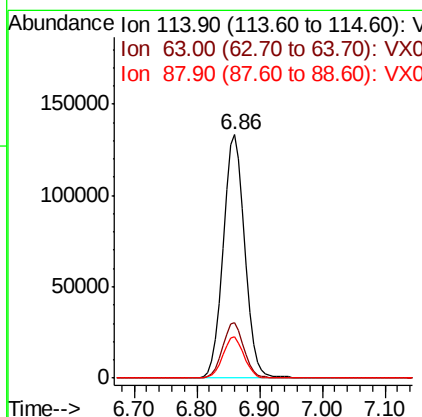
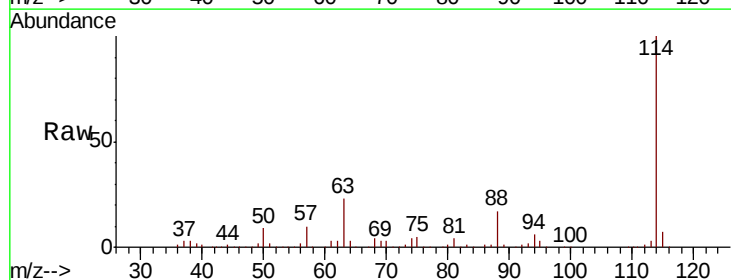
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB-20190502

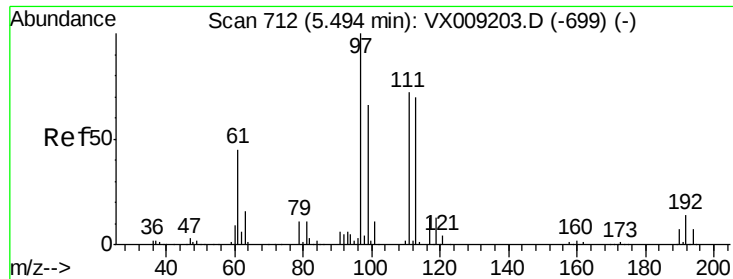
Tot Ion: 65 Resp: 128386
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009346.D
 Acq: 06 May 2019 13:31

Tgt Ion: 114 Resp: 316787
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.6
 88 16.9 0.0 33.2

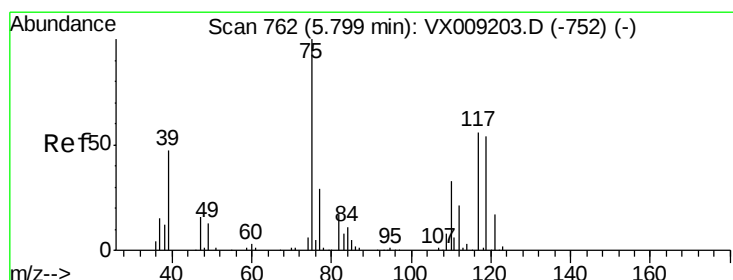
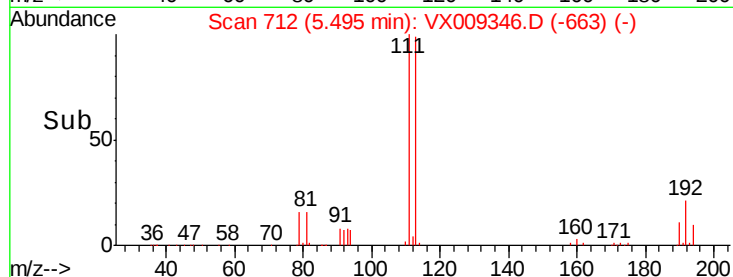
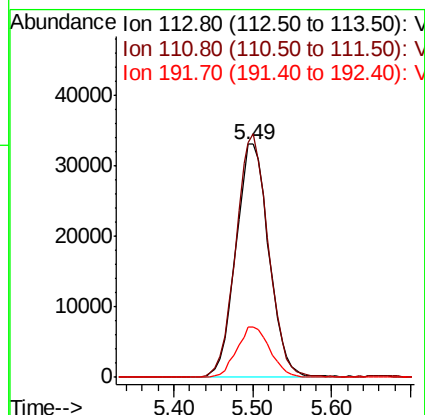
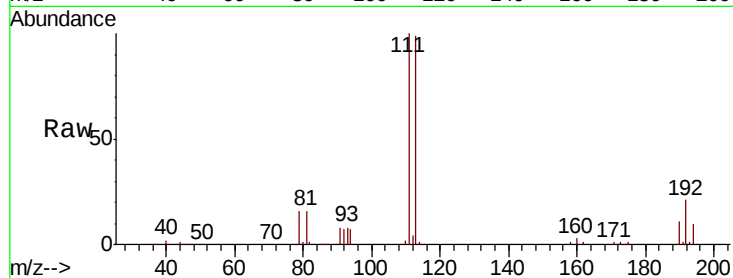




#35
 Dibromofluoromethane
 Concen: 48.268 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX009346.D
 Acq: 06 May 2019 13:31

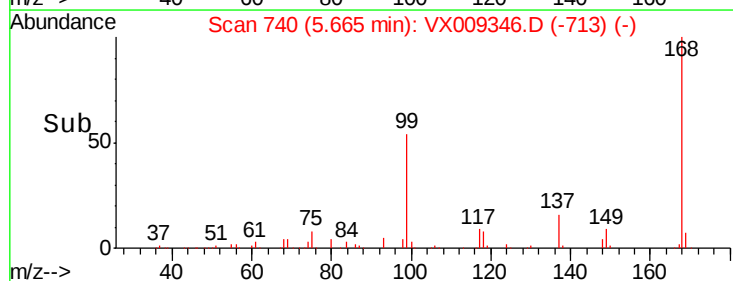
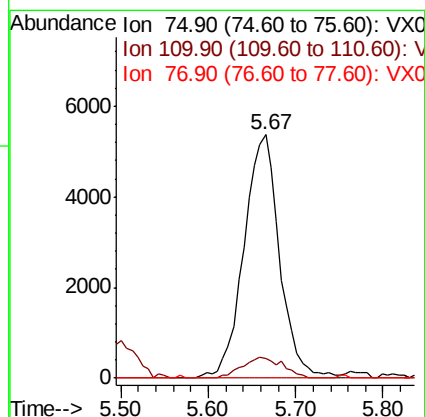
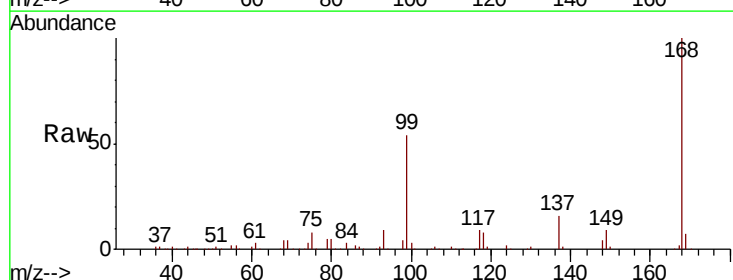
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB-20190502

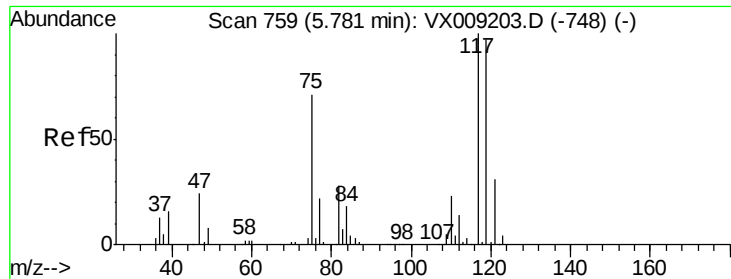
Tot Ion:113 Resp: 96124
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.8 124.2
 192 21.8 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.161 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009346.D
 Acq: 06 May 2019 13:31

Tgt Ion: 75 Resp: 15193
 Ion Ratio Lower Upper
 75 100
 110 9.7 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.846 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009346.D

Acq: 06 May 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

BP-TB-20190502

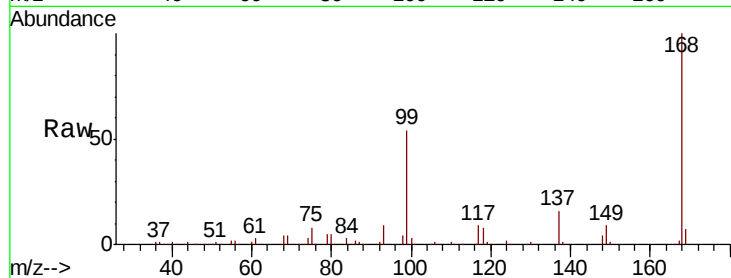
Tot Ion:117 Resp: 18312

Ion Ratio Lower Upper

117 100

119 6.4 77.5 116.3#

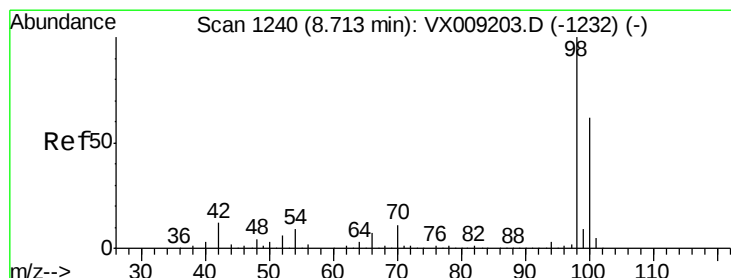
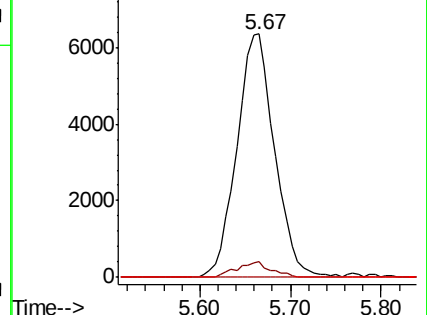
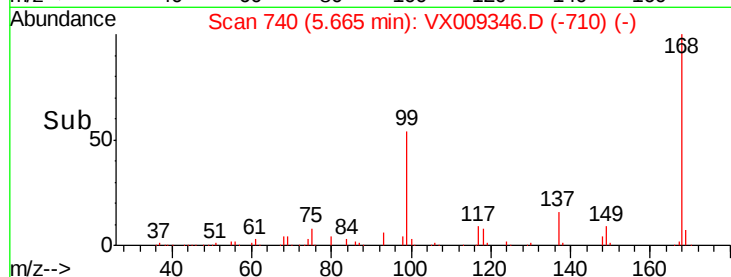
121 0.0 24.7 37.1#



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: 48.749 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009346.D

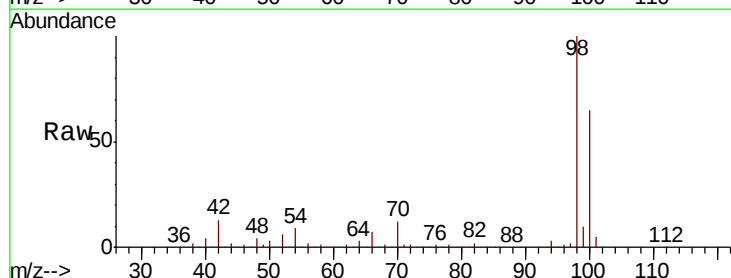
Acq: 06 May 2019 13:31

Tgt Ion: 98 Resp: 391938

Ion Ratio Lower Upper

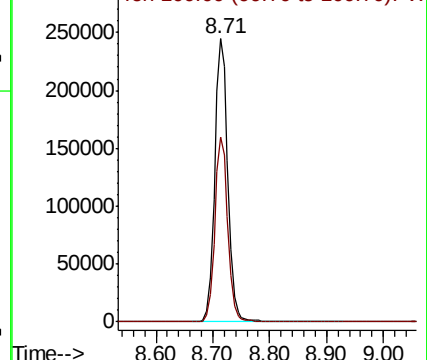
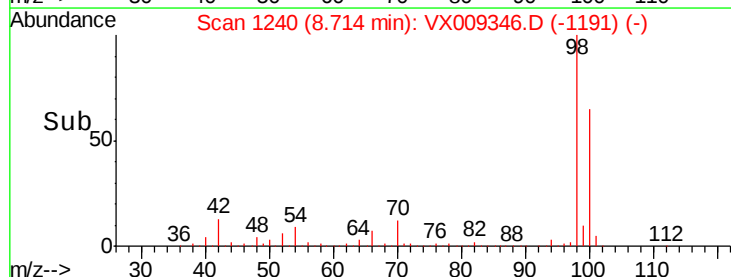
98 100

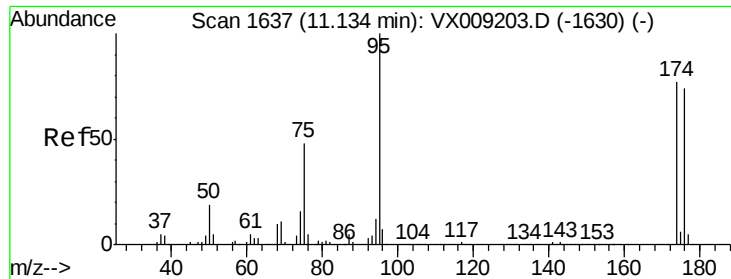
100 64.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.259 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009346.D

Acq: 06 May 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

BP-TB-20190502

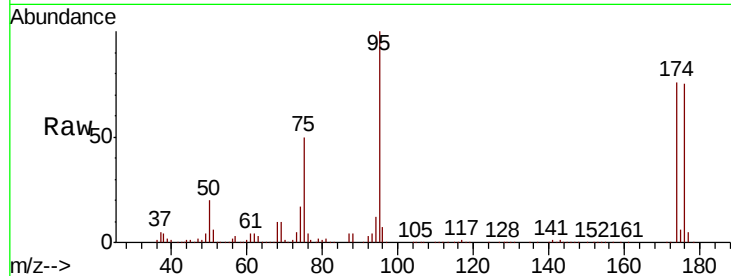
Tot Ion: 95 Resp: 129298

Ion Ratio Lower Upper

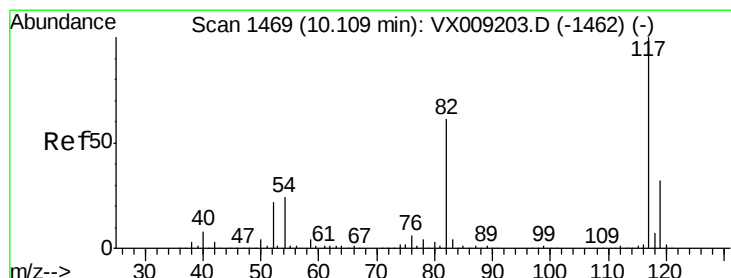
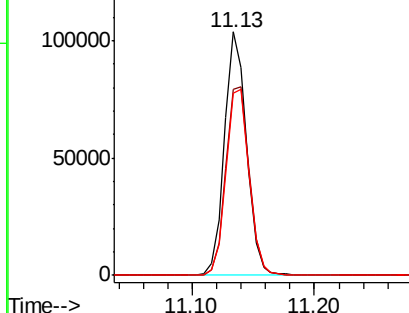
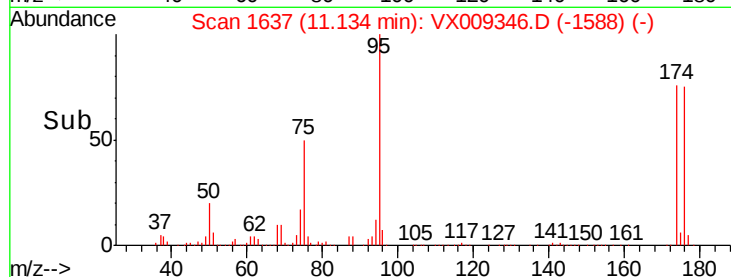
95 100

174 82.2 0.0 161.6

176 79.9 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009346.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009346.D

Acq: 06 May 2019 13:31

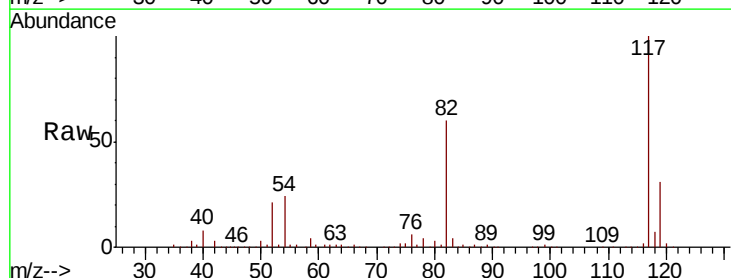
Tgt Ion: 117 Resp: 276769

Ion Ratio Lower Upper

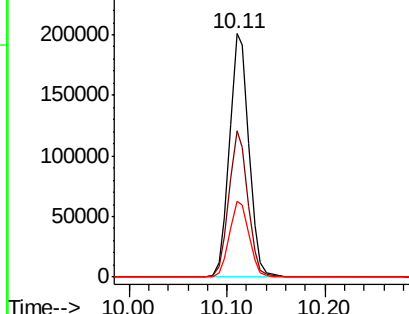
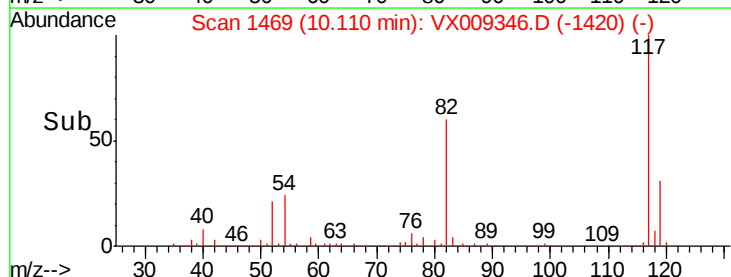
117 100

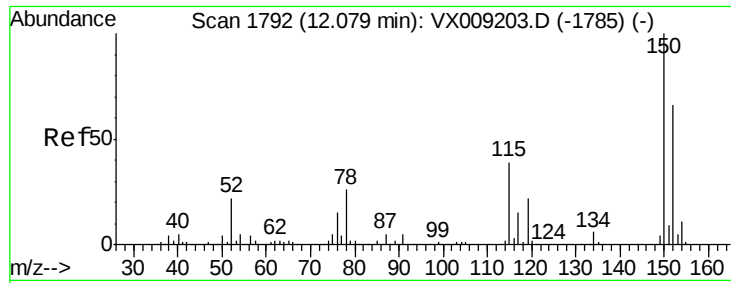
82 60.2 48.8 73.2

119 31.3 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX009346.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009346.D

Acq: 06 May 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

BP-TB-20190502

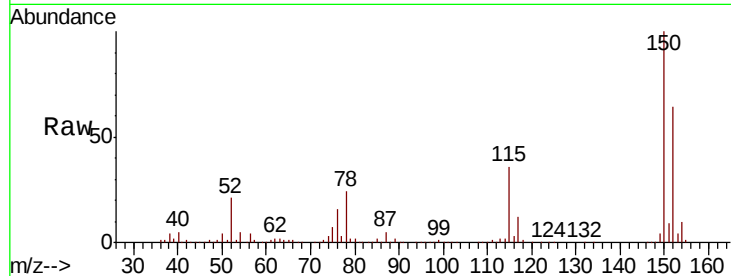
Tot Ion:152 Resp: 115681

Ion Ratio Lower Upper

152 100

115 58.7 41.2 123.6

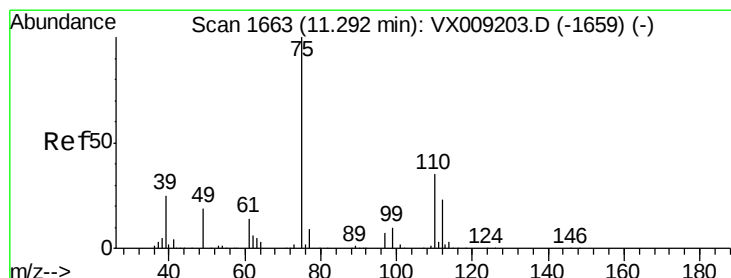
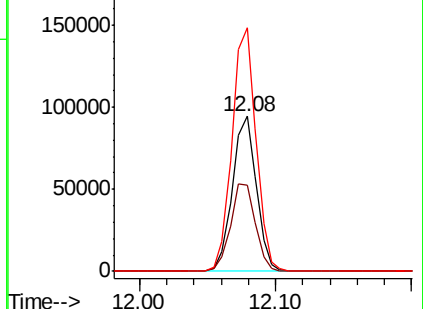
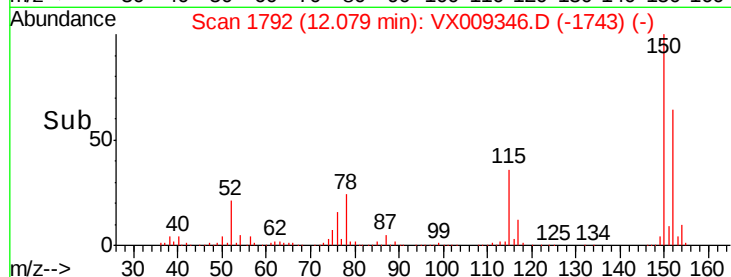
150 157.3 0.0 346.4



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: 24.270 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009346.D

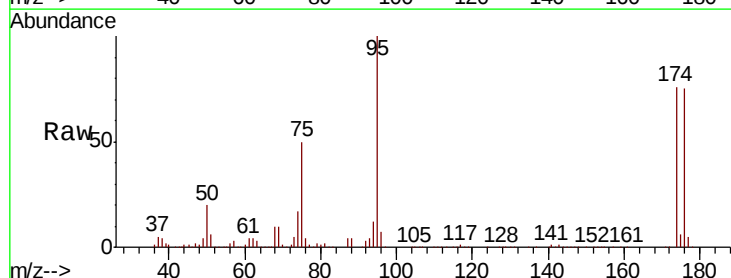
Acq: 06 May 2019 13:31

Tgt Ion: 75 Resp: 65126

Ion Ratio Lower Upper

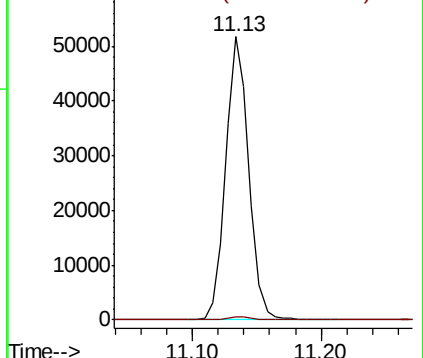
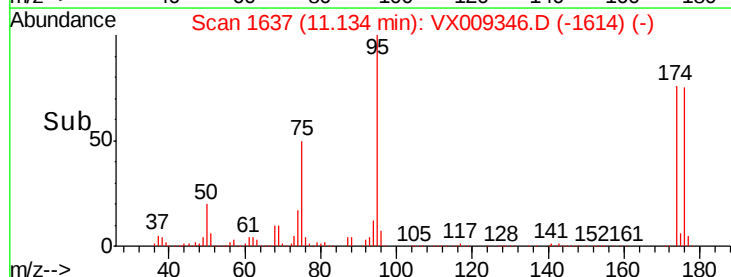
75 100

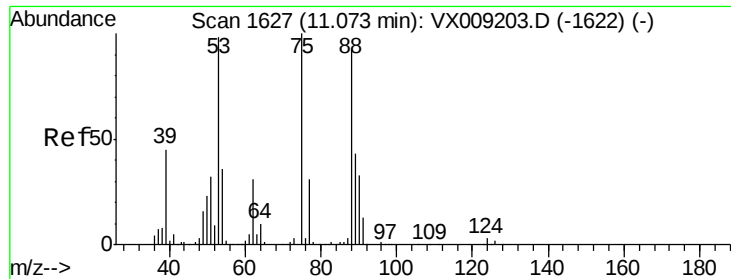
77 1.2 22.1 66.1#



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: 62.099 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009346.D

Acq: 06 May 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

BP-TB-20190502

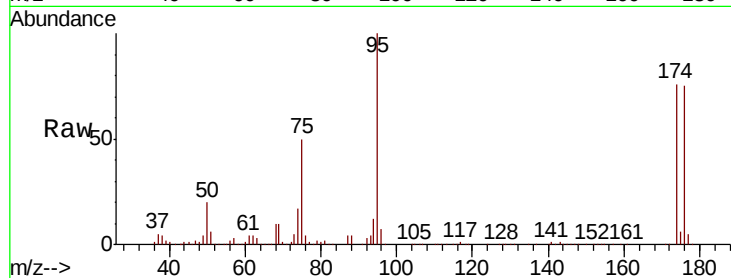
Tot Ion: 75 Resp: 65126

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#



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

