

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009494.D
 Acq On : 10 May 2019 20:26
 Operator : JC/SP
 Sample : K2811-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB1-20190509

Quant Time: May 11 03:31:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	178906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	287835	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	253687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	109617	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	117178	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
35) Dibromofluoromethane	5.50	113	87130	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
50) Toluene-d8	8.71	98	359055	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
62) 4-Bromofluorobenzene	11.13	95	118914	44.80	ug/l	0.00
Spiked Amount			Recovery	=	89.60%	

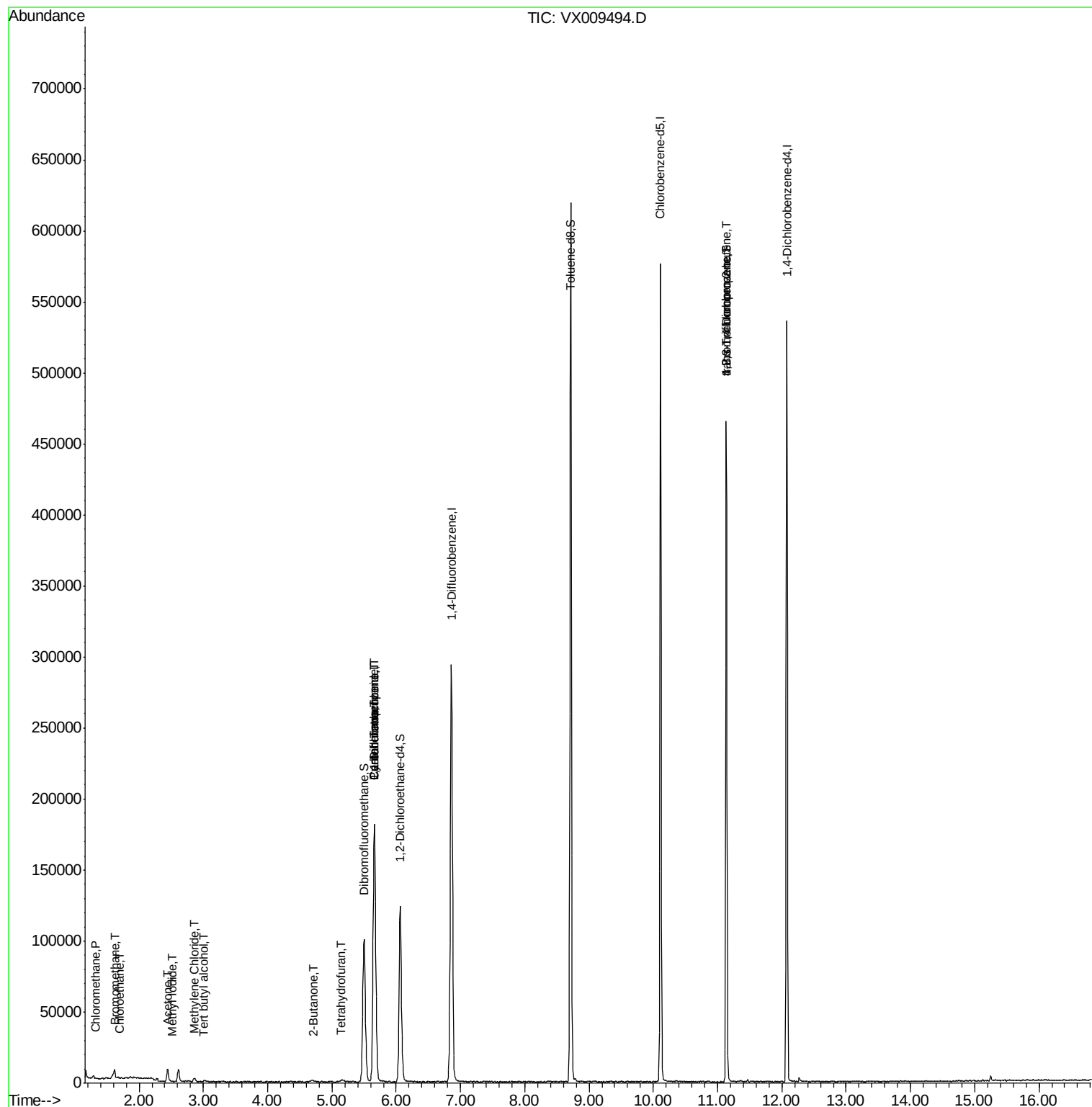
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	520	0.231	ug/l #	87
5) Bromomethane	1.63	94	470	0.357	ug/l #	52
6) Chloroethane	1.70	64	340	0.241	ug/l #	62
10) Methyl Iodide	2.51	142	165	4.671	ug/l #	42
11) Tert butyl alcohol	3.00	59	576	1.019	ug/l #	83
16) Acetone	2.45	43	9587	7.310	ug/l	100
20) Methylene Chloride	2.85	84	1138	0.536	ug/l	95
25) 2-Butanone	4.71	43	923	0.453	ug/l #	70
28) Bromochloromethane	4.99	49	65	Below Cal	#	20
29) Tetrahydrofuran	5.15	42	1120	0.854	ug/l #	91
31) Cyclohexane	5.66	56	3761	1.042	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13723	5.130	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16968	6.982	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	62195	24.460	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	62195	62.584	ug/l #	10

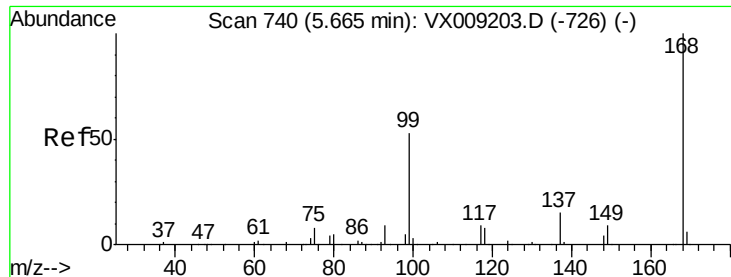
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051019\
Data File : VX009494.D
Acq On : 10 May 2019 20:26
Operator : JC/SP
Sample : K2811-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TB1-20190509

Quant Time: May 11 03:31:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 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: VX009494.D

Acq: 10 May 2019 20:26

Instrument :

MSVOA_X

ClientSampleId :

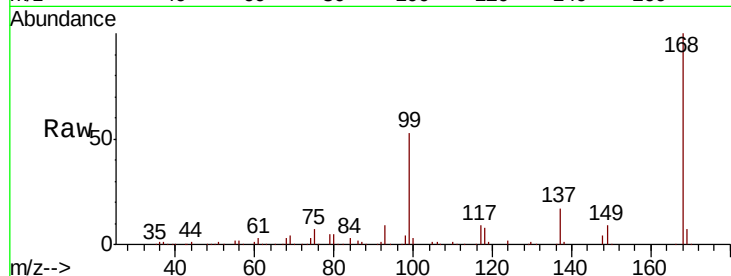
BP-TB1-20190509

Tot Ion:168 Resp: 178906

Ion Ratio Lower Upper

168 100

99 52.9 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

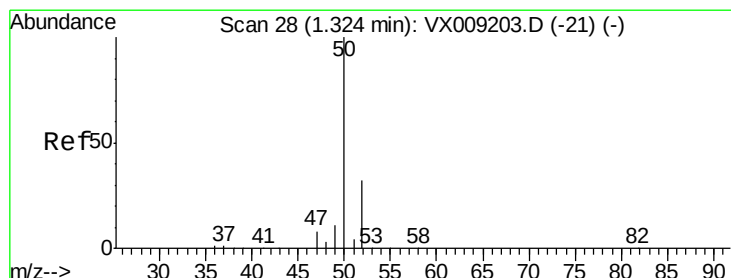
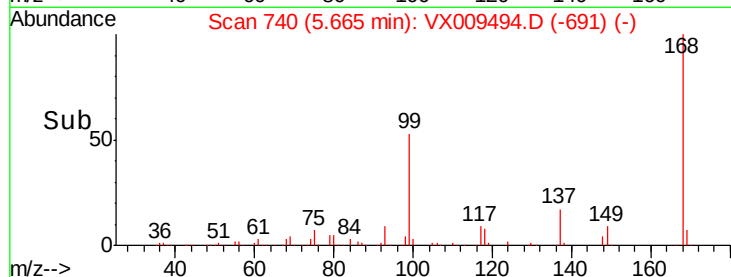
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.231 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009494.D

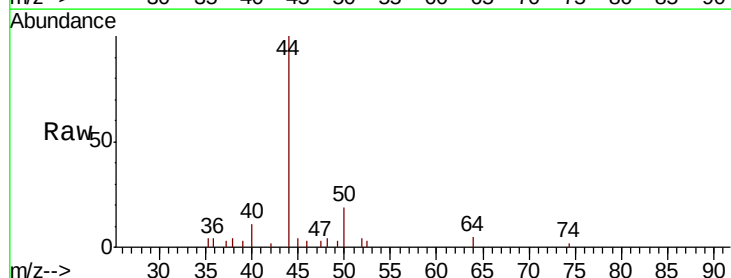
Acq: 10 May 2019 20:26

Tgt Ion: 50 Resp: 520

Ion Ratio Lower Upper

50 100

52 39.4 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

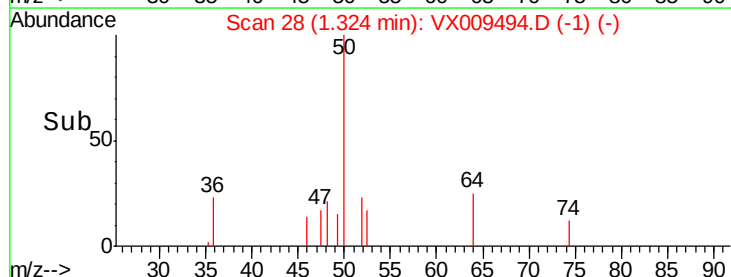
300

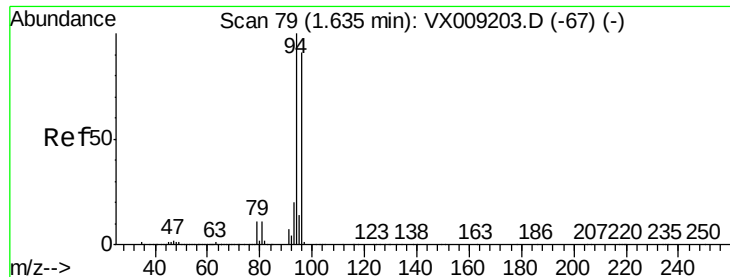
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.357 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX009494.D

Acq: 10 May 2019 20:26

Instrument :

MSVOA_X

ClientSampleId :

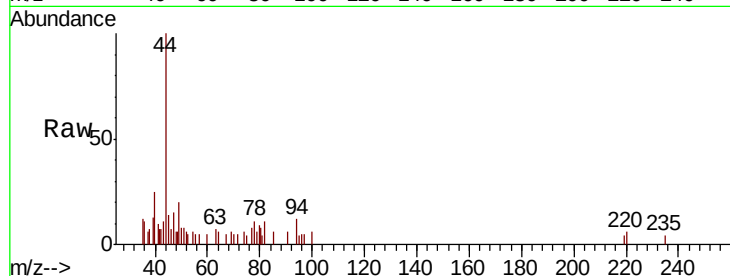
BP-TB1-20190509

Tot Ion: 94 Resp: 470

Ion Ratio Lower Upper

94 100

96 45.5 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

1.63

1.63

1.63

1.63

1.63

1.63

1.63

1.63

1.63

1.63

1.63

1.63

1.63

1.63

1.63

1.63

1.63

1.63

1.63

1.63

1.63

1.63

1.63

1.63

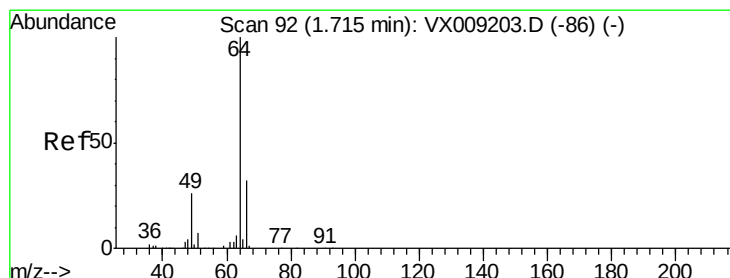
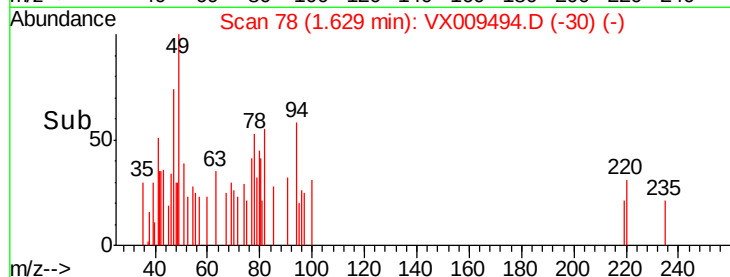
1.63

1.63

1.63

1.63

1.63



#6

Chloroethane

Concen: 0.241 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX009494.D

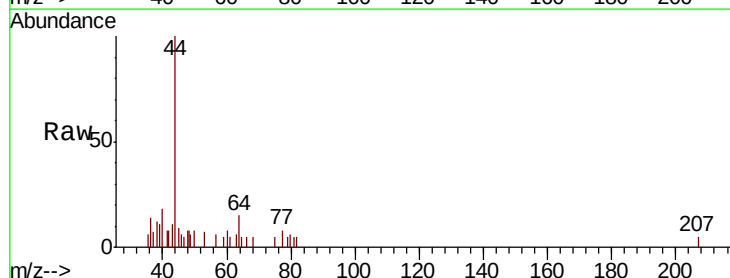
Acq: 10 May 2019 20:26

Tgt Ion: 64 Resp: 340

Ion Ratio Lower Upper

64 100

66 52.6 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

1.70

1.70

1.70

1.70

1.70

1.70

1.70

1.70

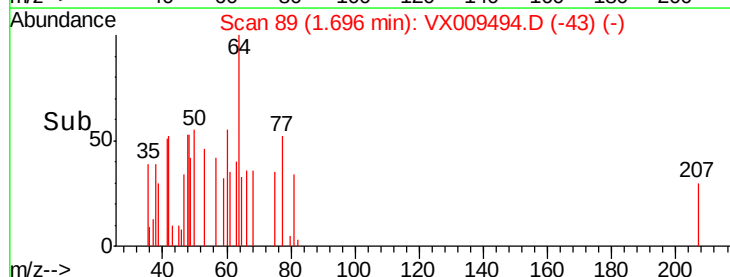
1.70

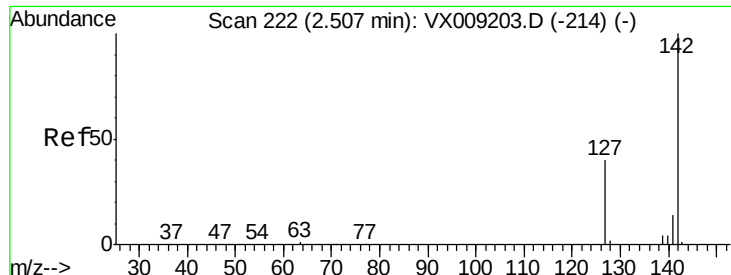
1.70

1.70

1.70

1.70

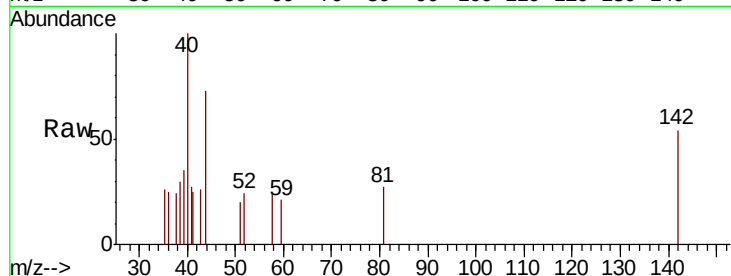




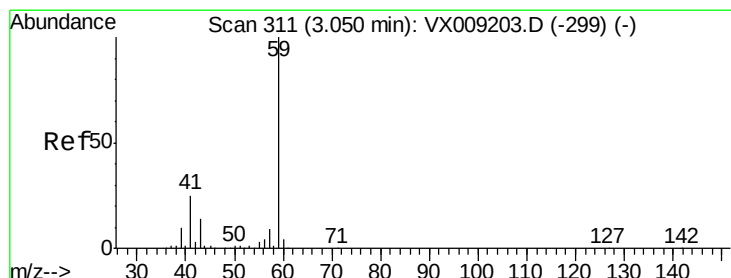
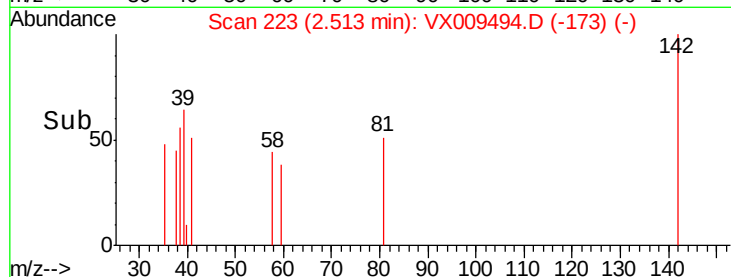
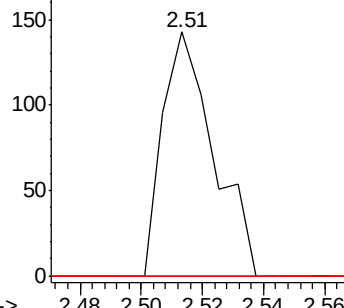
#10
Methvl Iodide
Concen: 4.671 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009494.D
Acq: 10 May 2019 20:26

Instrument :
MSVOA_X
ClientSampleId :
BP-TB1-20190509

Tot Ion:142 Resp: 165
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#

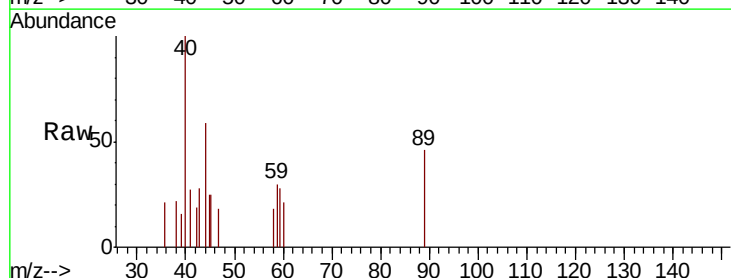


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

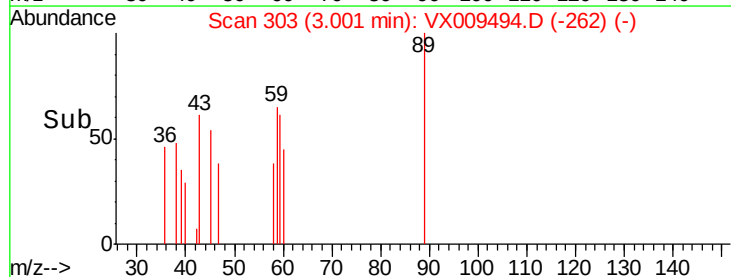
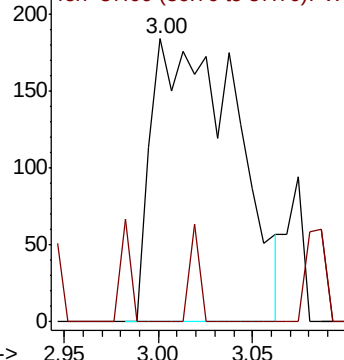


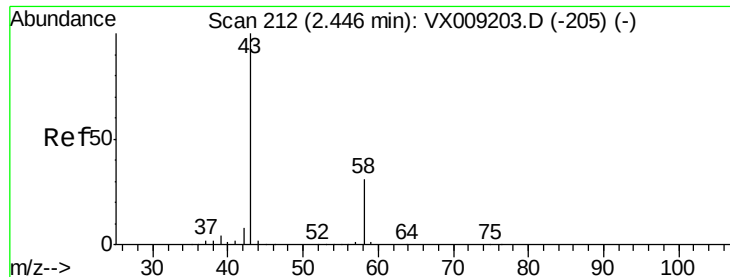
#11
Tert butyl alcohol
Concen: 1.019 ug/l
RT: 3.00 min Scan# 303
Delta R.T. -0.05 min
Lab File: VX009494.D
Acq: 10 May 2019 20:26

Tgt Ion: 59 Resp: 576
Ion Ratio Lower Upper
59 100
57 4.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 7.310 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009494.D

Acq: 10 May 2019 20:26

Instrument :

MSVOA_X

ClientSampleId :

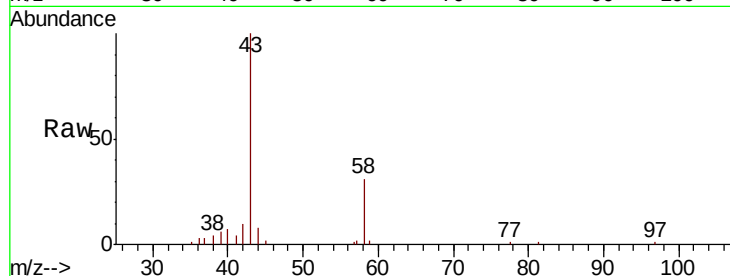
BP-TB1-20190509

Tot Ion: 43 Resp: 9587

Ion Ratio Lower Upper

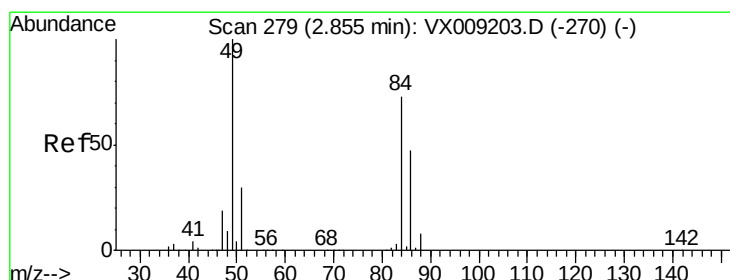
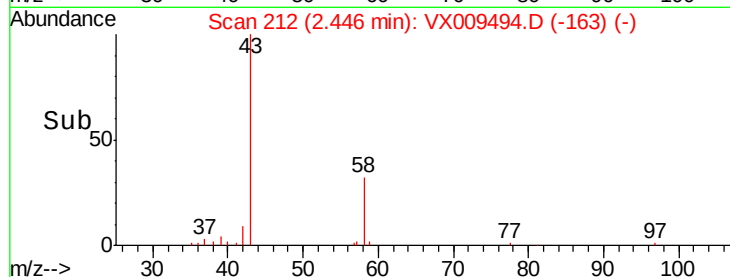
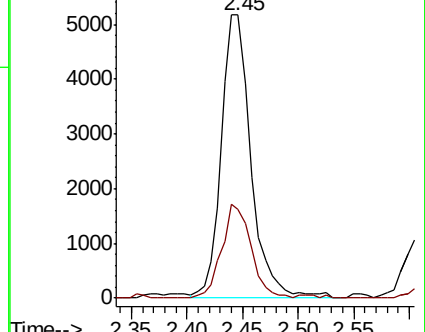
43 100

58 31.2 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX009494.D (-163) (-)

Ion 58.00 (57.70 to 58.70): VX009494.D (-163) (-)



#20

Methylene Chloride

Concen: 0.536 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX009494.D

Acq: 10 May 2019 20:26

Tgt Ion: 84 Resp: 1138

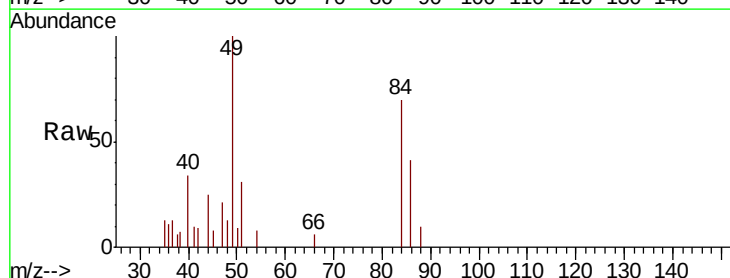
Ion Ratio Lower Upper

84 100

49 141.9 109.9 164.9

51 44.1 32.7 49.1

86 58.3 52.0 78.0

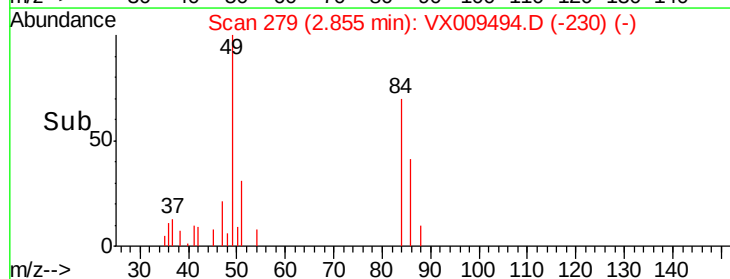
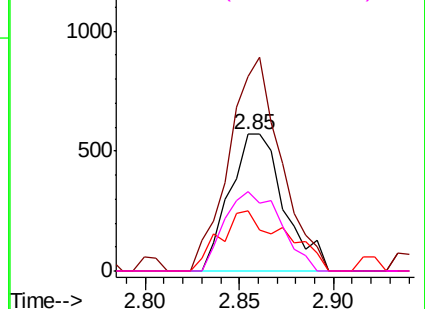


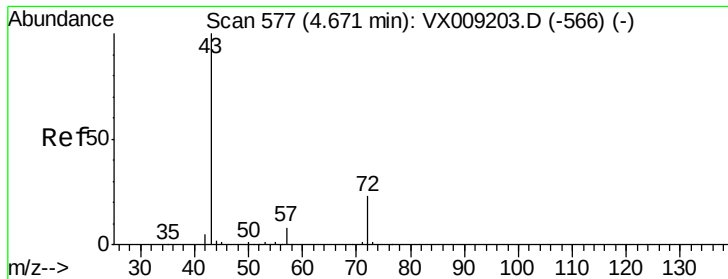
Abundance Ion 83.90 (83.60 to 84.60): VX009494.D (-230) (-)

Ion 48.90 (48.60 to 49.60): VX009494.D (-230) (-)

Ion 50.90 (50.60 to 51.60): VX009494.D (-230) (-)

Ion 85.90 (85.60 to 86.60): VX009494.D (-230) (-)





#25

2-Butanone

Concen: 0.453 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.04 min

Lab File: VX009494.D

Acq: 10 May 2019 20:26

Instrument :

MSVOA_X

ClientSampleId :

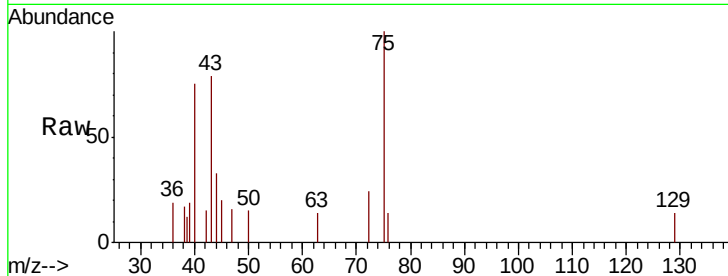
BP-TB1-20190509

Tot Ion: 43 Resp: 923

Ion Ratio Lower Upper

43 100

72 37.0 18.2 27.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

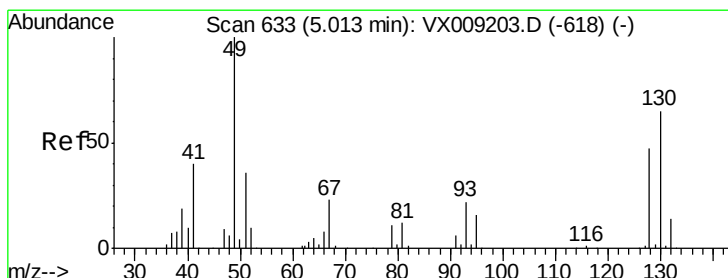
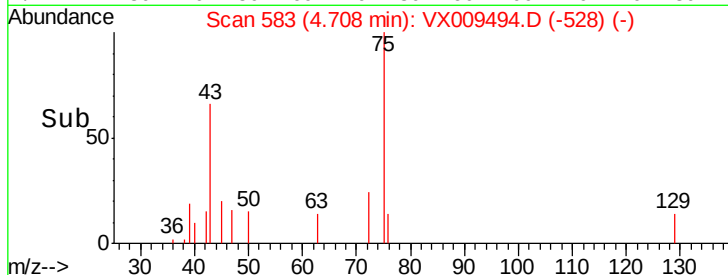
300

200

100

0

Time-->



#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 630

Delta R.T. -0.02 min

Lab File: VX009494.D

Acq: 10 May 2019 20:26

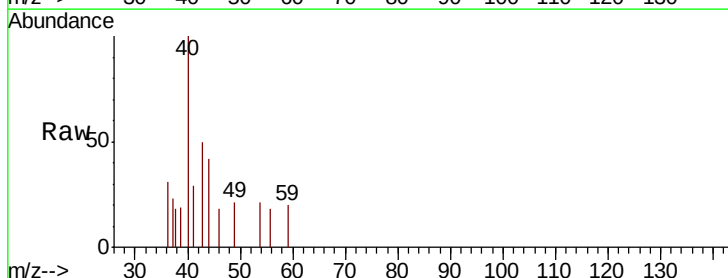
Tgt Ion: 49 Resp: 65

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

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

100

80

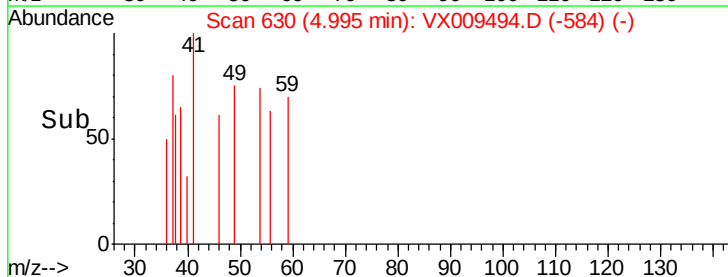
60

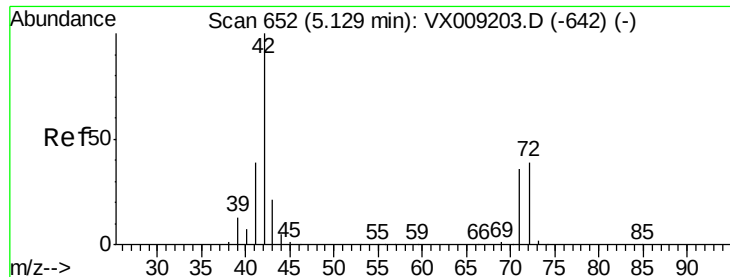
40

20

0

Time-->





#29

Tetrahydrofuran

Concen: 0.854 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX009494.D

Acq: 10 May 2019 20:26

Instrument :

MSVOA_X

ClientSampleId :

BP-TB1-20190509

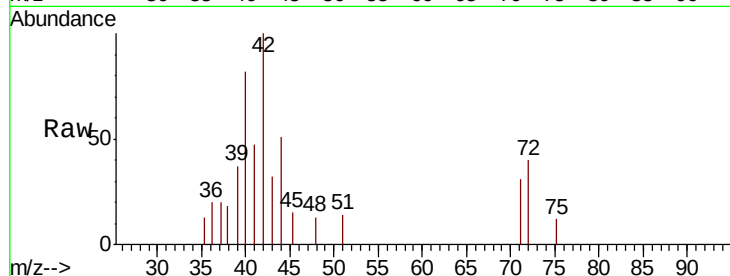
Tot Ion: 42 Resp: 1120

Ion Ratio Lower Upper

42 100

72 48.6 30.4 45.6#

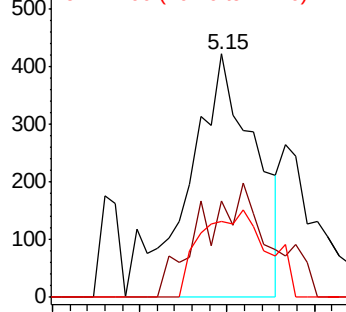
71 35.7 28.6 43.0



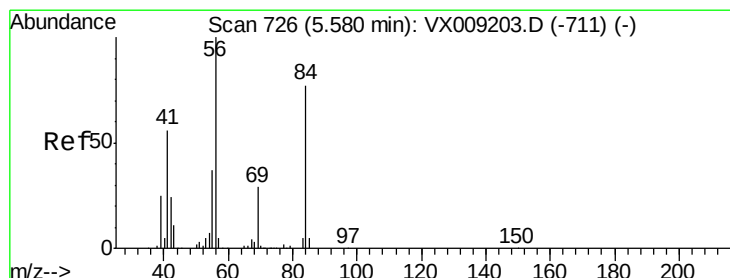
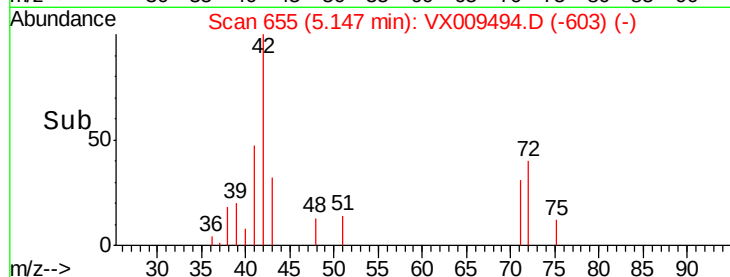
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time--> 5.05 5.10 5.15 5.20



#31

Cyclohexane

Concen: 1.042 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009494.D

Acq: 10 May 2019 20:26

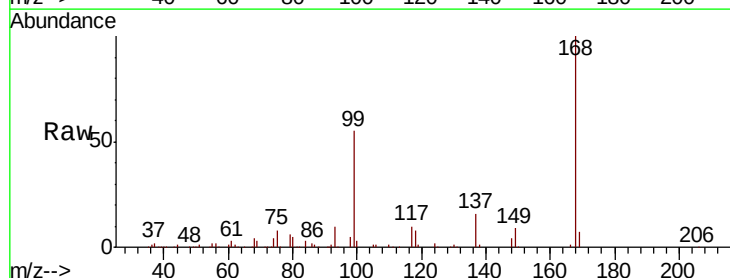
Tgt Ion: 56 Resp: 3761

Ion Ratio Lower Upper

56 100

69 153.3 23.4 35.0#

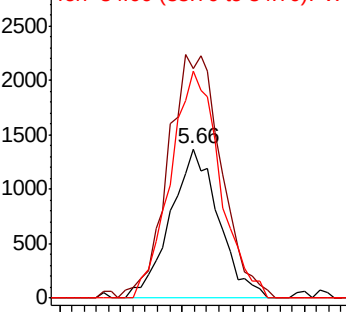
84 152.0 61.9 92.9#



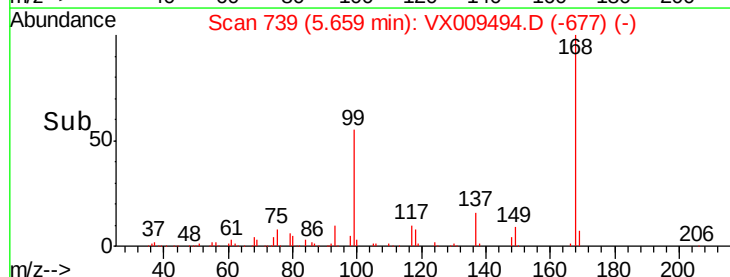
Abundance Ion 56.00 (55.70 to 56.70): VX0

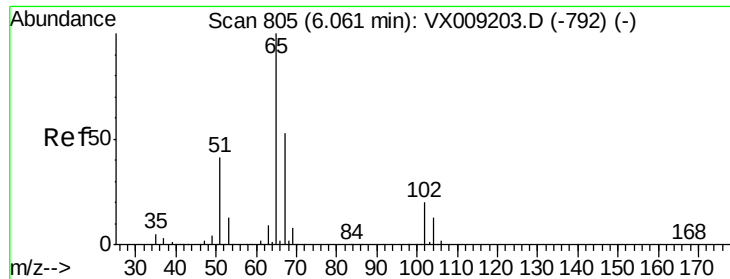
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time--> 5.55 5.60 5.65 5.70 5.75

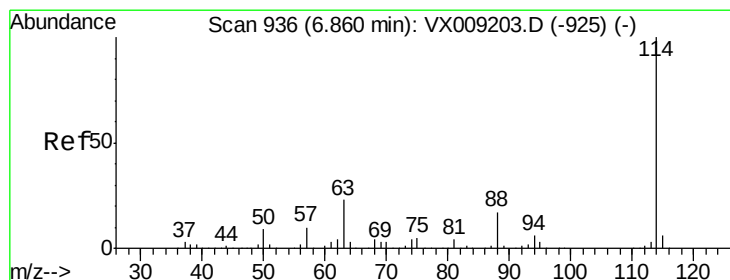
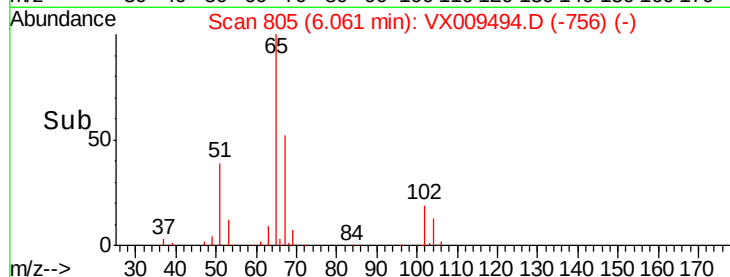
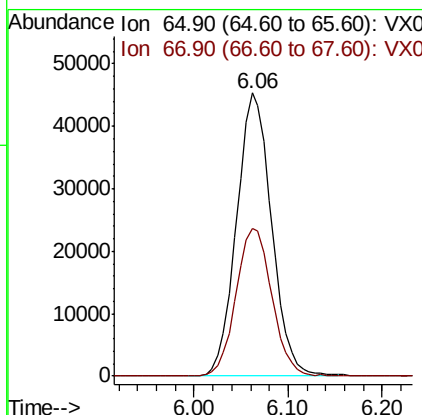
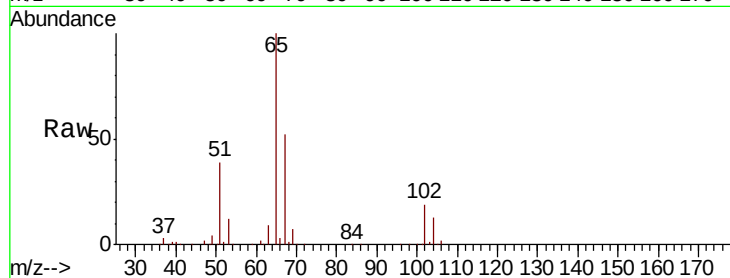




#33
 1,2-Dichloroethane-d4
 Concen: 47.979 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009494.D
 Acq: 10 May 2019 20:26

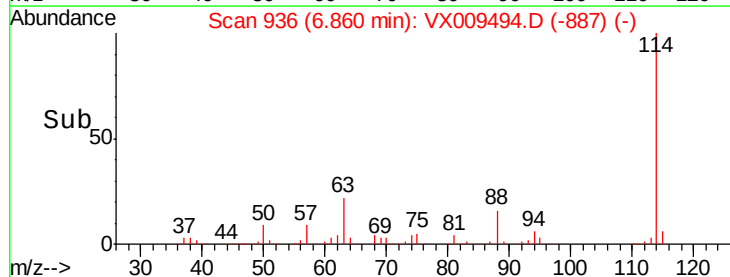
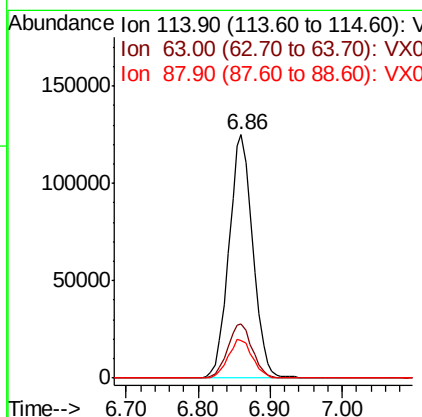
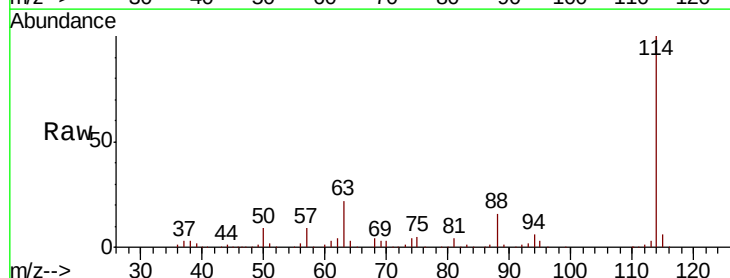
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB1-20190509

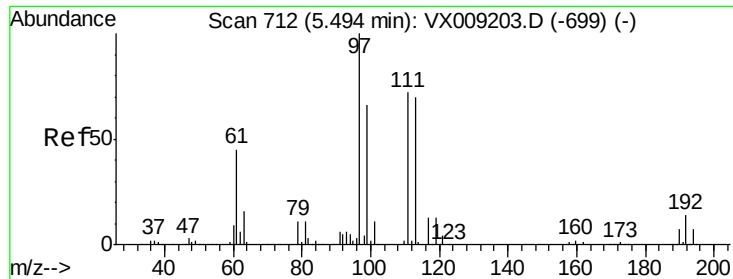
Tot Ion: 65 Resp: 117178
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009494.D
 Acq: 10 May 2019 20:26

Tgt Ion: 114 Resp: 287835
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.6
 88 15.6 0.0 33.2

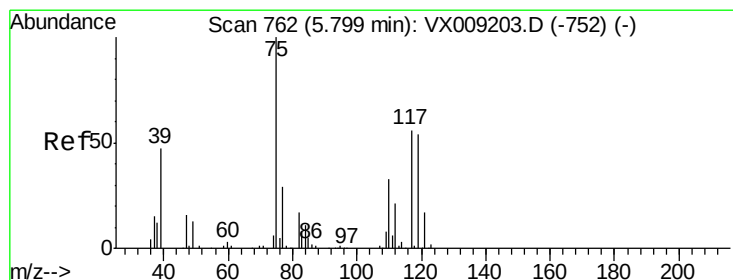
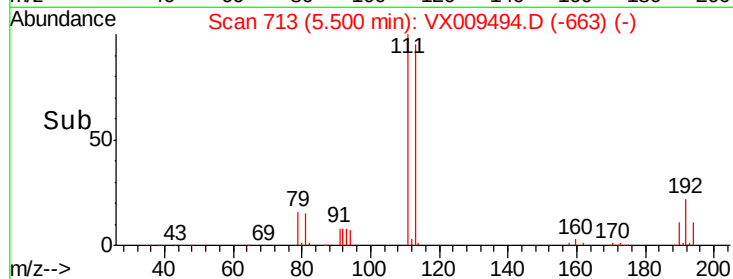
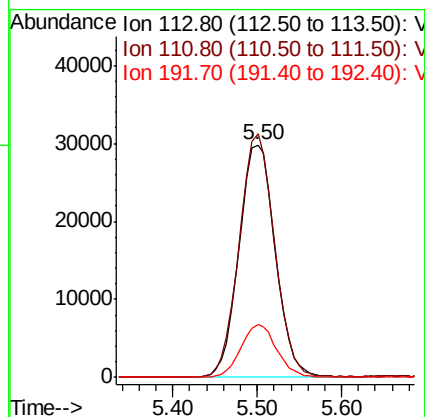
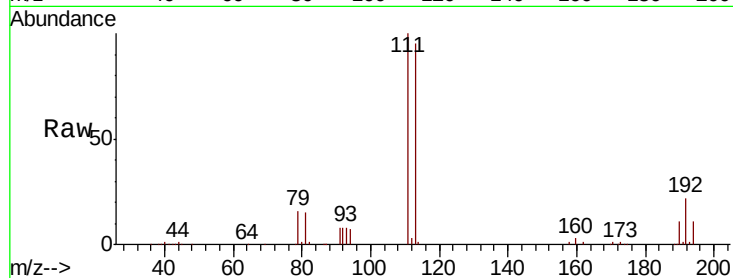




#35
 Dibromofluoromethane
 Concen: 48.153 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009494.D
 Acq: 10 May 2019 20:26

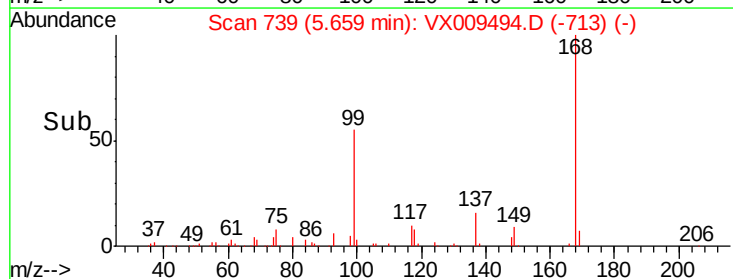
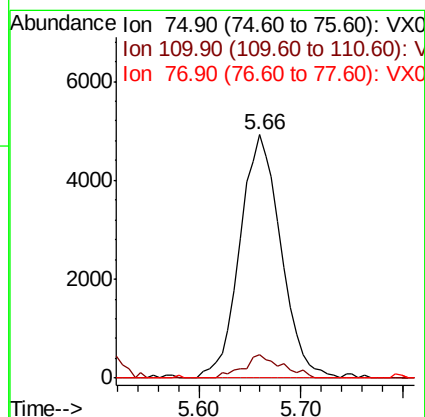
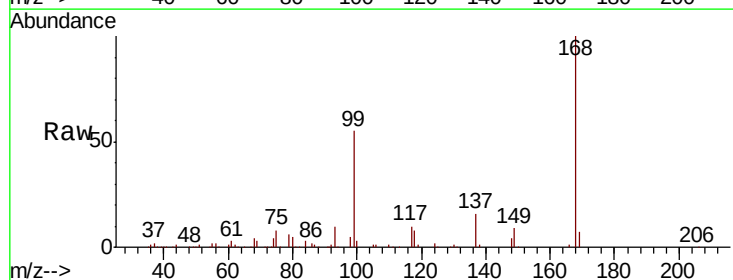
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB1-20190509

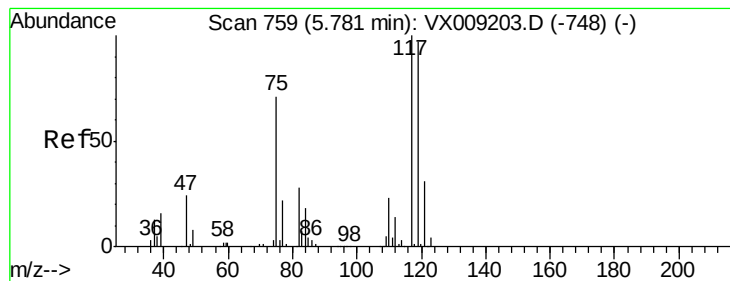
Tot Ion:113 Resp: 87130
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.8 124.2
 192 22.2 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.130 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009494.D
 Acq: 10 May 2019 20:26

Tgt Ion: 75 Resp: 13723
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.982 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009494.D

Acq: 10 May 2019 20:26

Instrument :

MSVOA_X

ClientSampleId :

BP-TB1-20190509

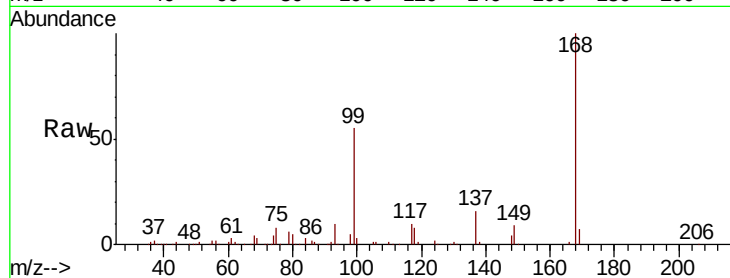
Tot Ion:117 Resp: 16968

Ion Ratio Lower Upper

117 100

119 5.4 77.5 116.3#

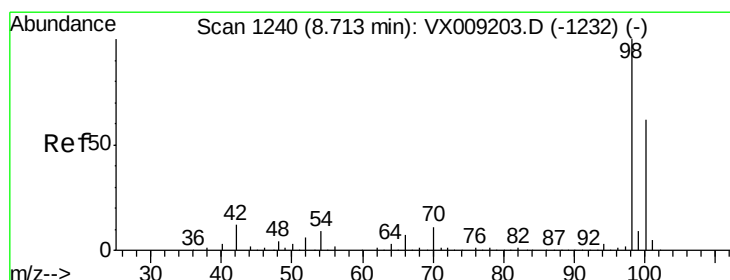
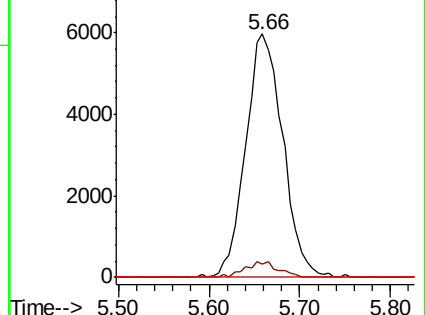
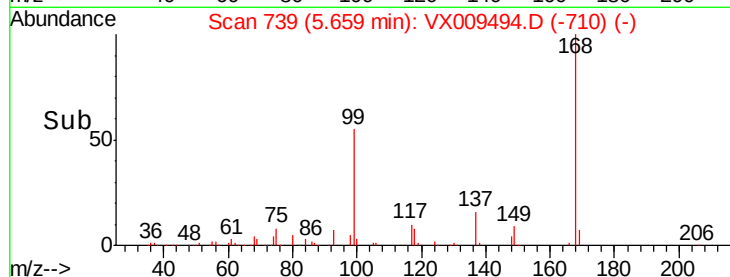
121 0.0 24.7 37.1#



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: 49.151 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009494.D

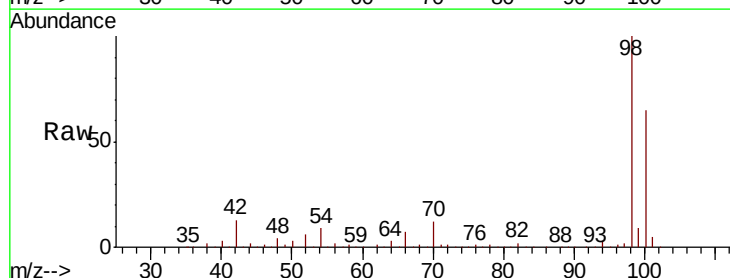
Acq: 10 May 2019 20:26

Tgt Ion: 98 Resp: 359055

Ion Ratio Lower Upper

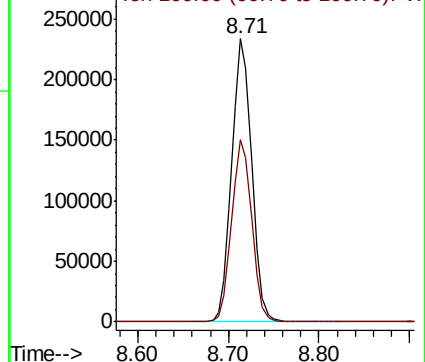
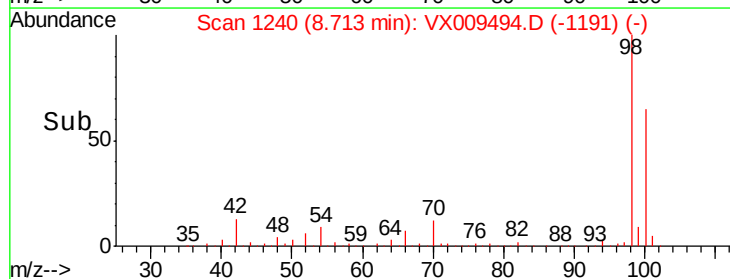
98 100

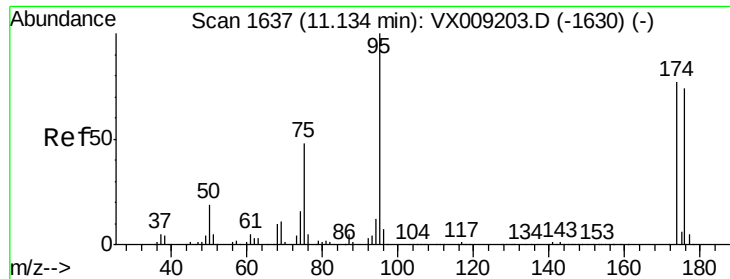
100 64.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

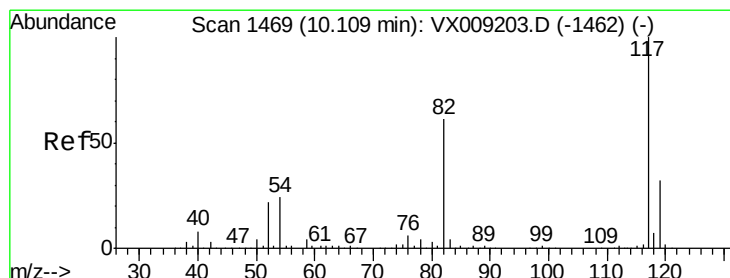
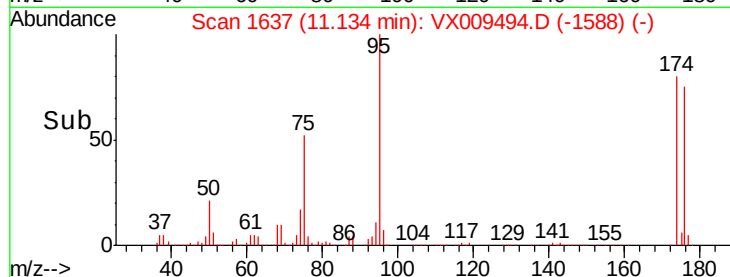
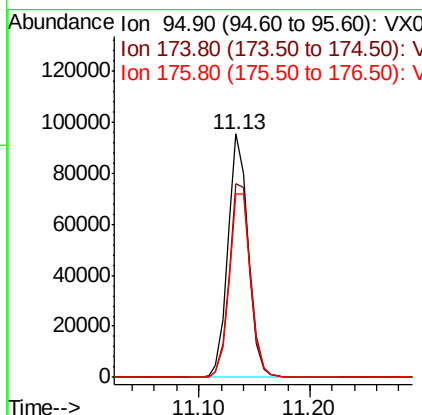
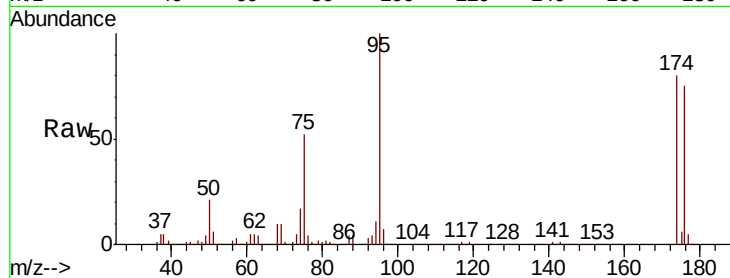




#62
4-Bromofluorobenzene
Concen: 44.798 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009494.D
Acq: 10 May 2019 20:26

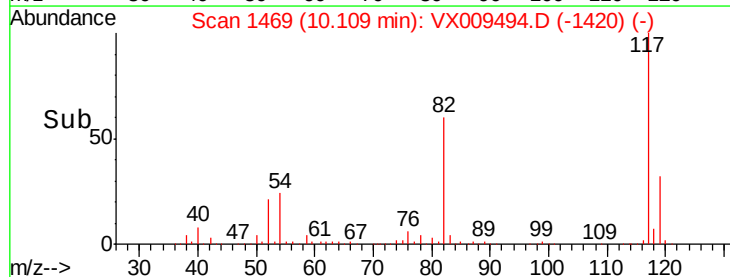
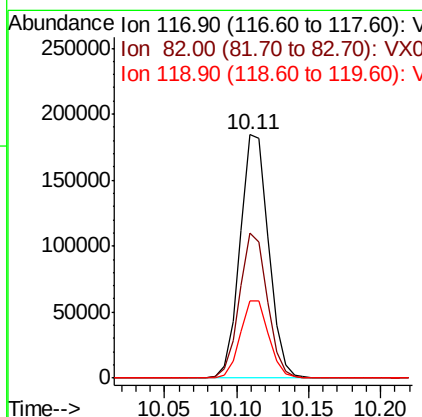
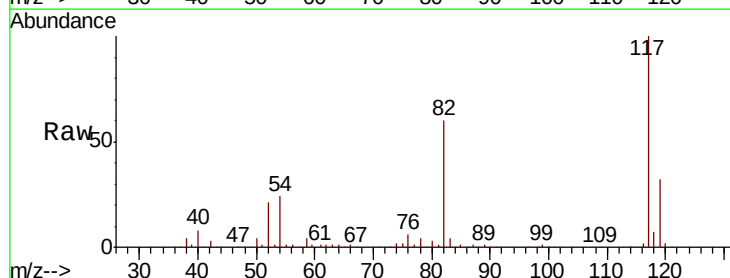
Instrument :
MSVOA_X
ClientSampleId :
BP-TB1-20190509

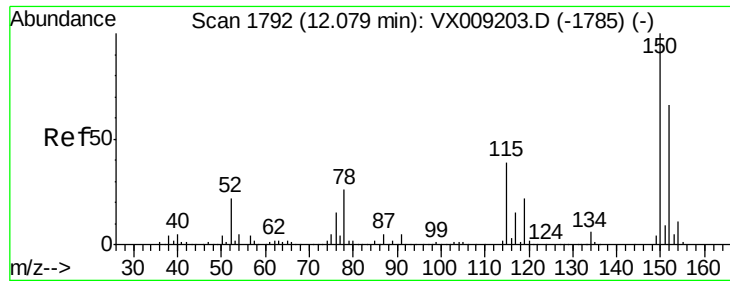
Tot Ion: 95 Resp: 118914
Ion Ratio Lower Upper
95 100
174 83.8 0.0 161.6
176 79.8 0.0 159.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009494.D
Acq: 10 May 2019 20:26

Tgt Ion: 117 Resp: 253687
Ion Ratio Lower Upper
117 100
82 59.7 48.8 73.2
119 31.7 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009494.D

Acq: 10 May 2019 20:26

Instrument :

MSVOA_X

ClientSampleId :

BP-TB1-20190509

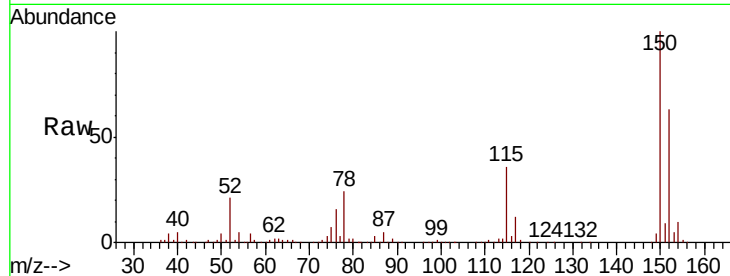
Tot Ion:152 Resp: 109617

Ion Ratio Lower Upper

152 100

115 58.5 41.2 123.6

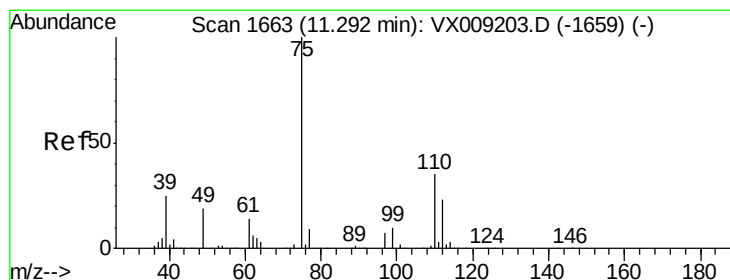
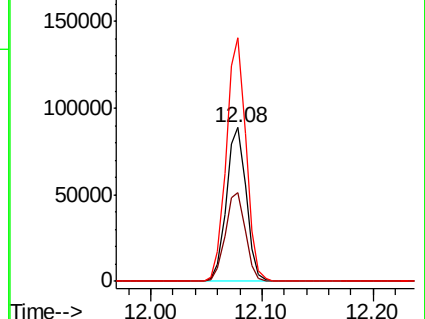
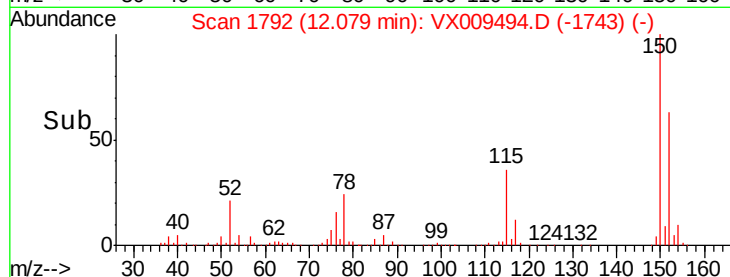
150 156.9 0.0 346.4



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: 24.460 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009494.D

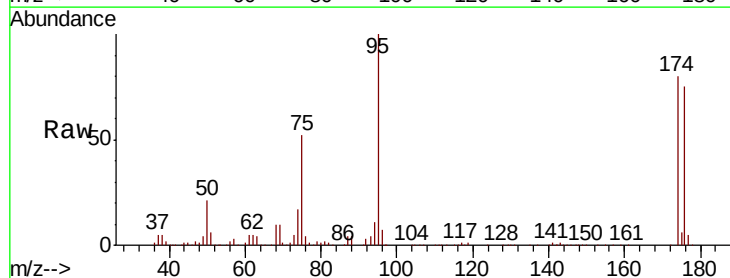
Acq: 10 May 2019 20:26

Tgt Ion: 75 Resp: 62195

Ion Ratio Lower Upper

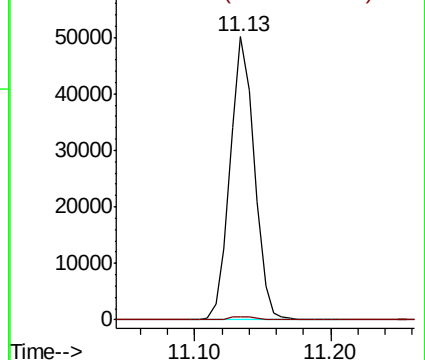
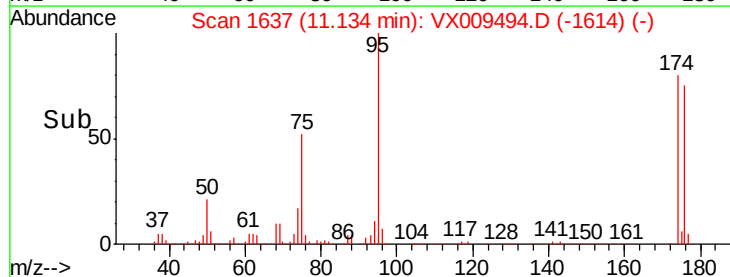
75 100

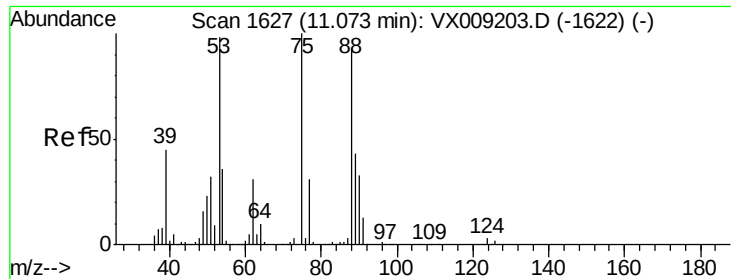
77 1.3 22.1 66.1#



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: 62.584 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009494.D

Acq: 10 May 2019 20:26

Instrument :

MSVOA_X

ClientSampleId :

BP-TB1-20190509

Tot Ion: 75 Resp: 62195

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.0 34.7 52.1#

