

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102519\
 Data File : VX013205.D
 Acq On : 24 Oct 2019 12:27
 Operator : JC/SP
 Sample : K5531-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB-20191021

Quant Time: Oct 25 01:19:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	81732	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	120526	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	118087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	77239	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	86553	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
35) Dibromofluoromethane	5.48	113	66746	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
50) Toluene-d8	8.71	98	242619	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	11.13	95	90174	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	

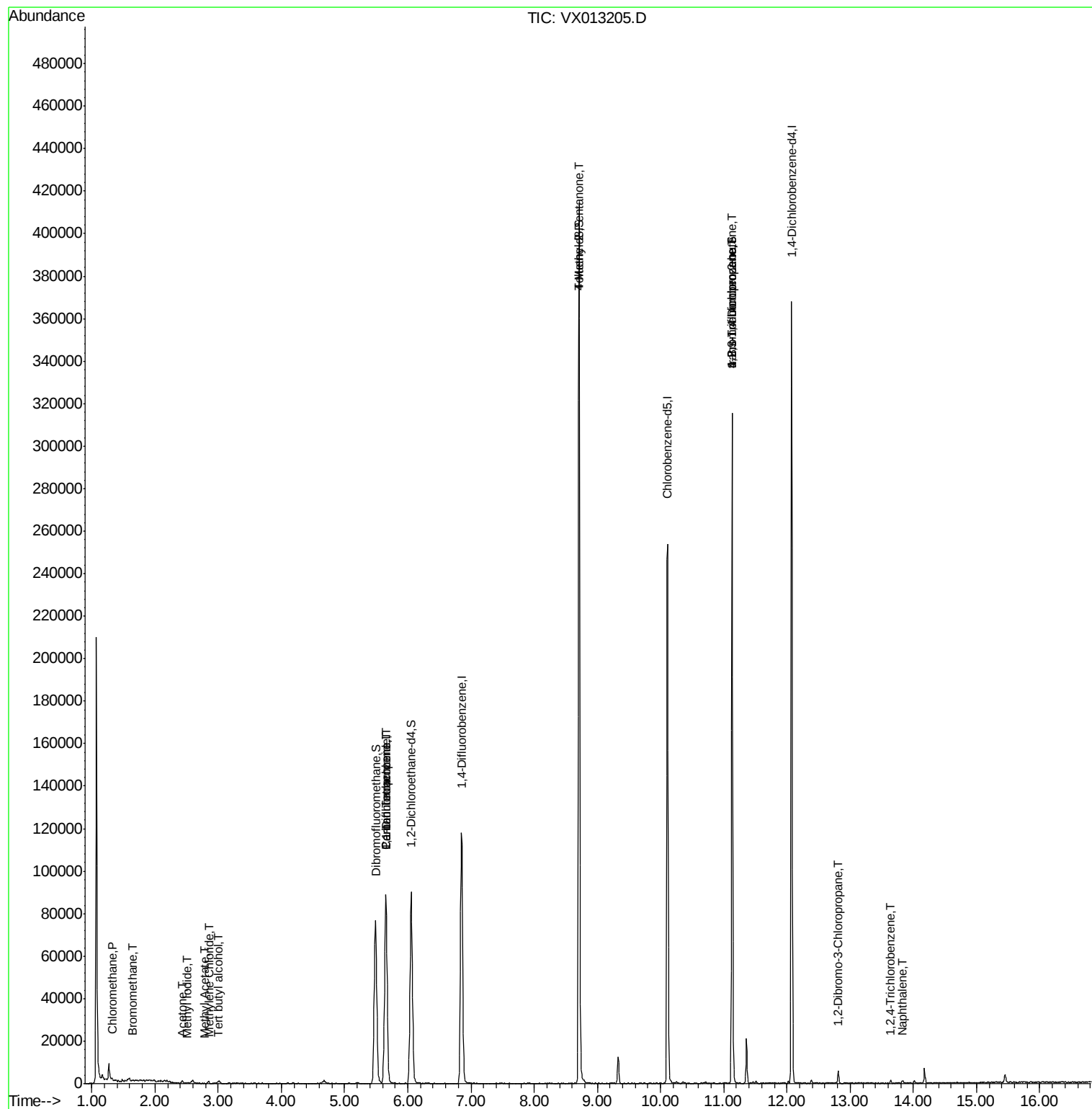
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	393	1.261	ug/l	94
5) Bromomethane	1.64	94	207	0.263	ug/l #	78
6) Chloroethane	1.72	64	118	Below Cal	#	43
10) Methyl Iodide	2.50	142	343	3.715	ug/l #	40
11) Tert butyl alcohol	3.01	59	916	1.414	ug/l #	72
16) Acetone	2.44	43	1402	1.741	ug/l	91
18) Methyl Acetate	2.77	43	21	0.981	ug/l #	49
20) Methylene Chloride	2.85	84	410	0.559	ug/l #	83
36) 1,1-Dichloropropene	5.65	75	6323	3.062	ug/l #	50
38) Carbon Tetrachloride	5.65	117	8498	3.815	ug/l #	14
51) 4-Methyl-2-Pentanone	8.70	43	1088	0.535	ug/l #	1
64) Tetrachloroethene	9.32	164	49	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.13	75	46089	24.758	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	46089	68.033	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.81	75	187	0.353	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.64	180	486	0.258	ug/l #	85
95) Naphthalene	13.83	128	1372	0.238	ug/l #	88

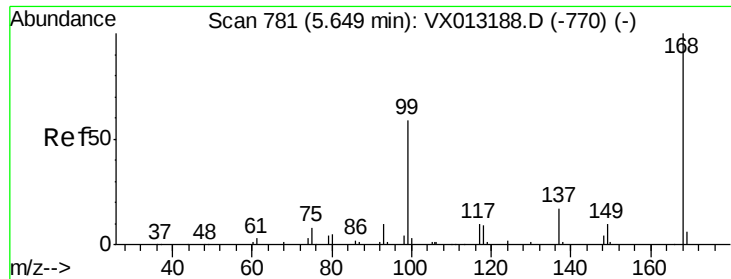
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102519\
Data File : VX013205.D
Acq On : 24 Oct 2019 12:27
Operator : JC/SP
Sample : K5531-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TB-20191021

Quant Time: Oct 25 01:19:07 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration

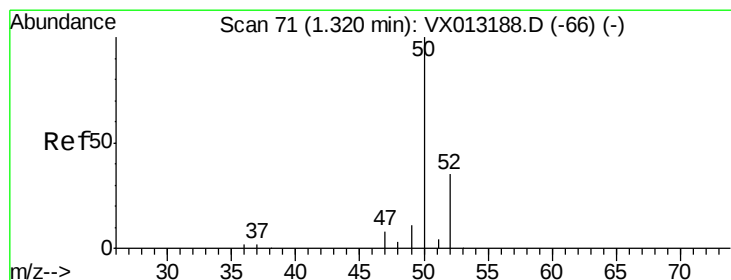
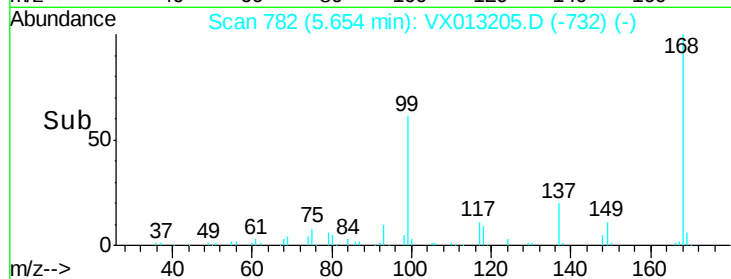
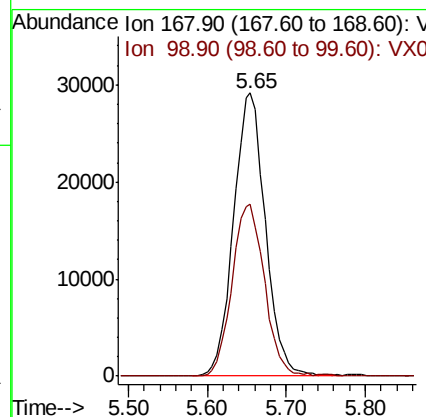
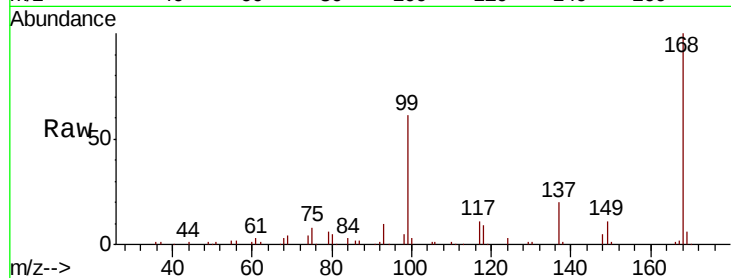




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX013205.D
Acq: 24 Oct 2019 12:27

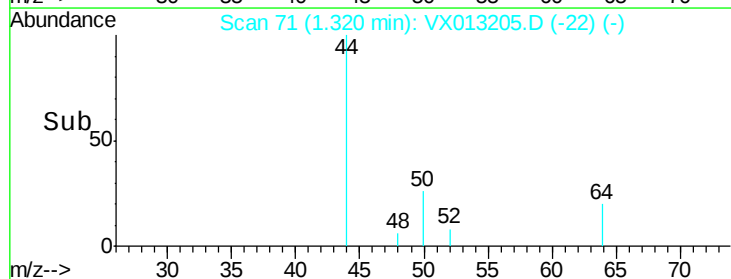
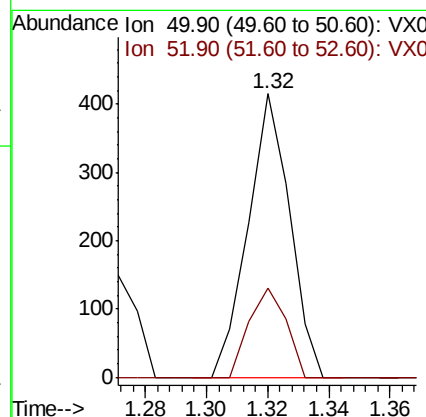
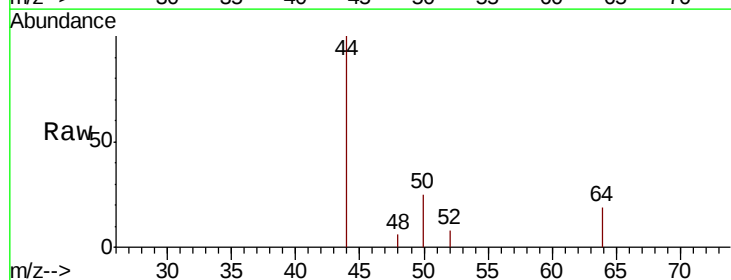
Instrument :
MSVOA_X
ClientSampleId :
BP-TB-20191021

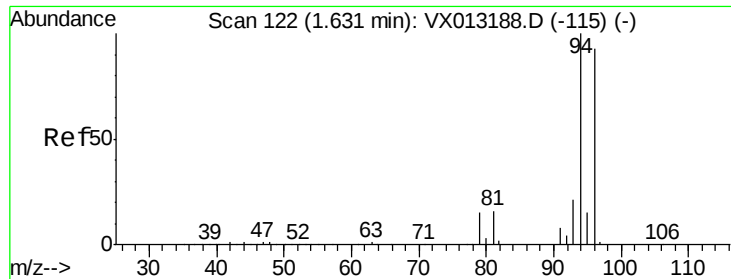
Tot Ion:168 Resp: 81732
Ion Ratio Lower Upper
168 100
99 60.7 47.0 70.4



#3
Chloromethane
Concen: 1.261 ug/l
RT: 1.32 min Scan# 71
Delta R.T. -0.00 min
Lab File: VX013205.D
Acq: 24 Oct 2019 12:27

Tgt Ion: 50 Resp: 393
Ion Ratio Lower Upper
50 100
52 31.3 27.8 41.6





#5

Bromomethane

Concen: 0.263 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013205.D

Acq: 24 Oct 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

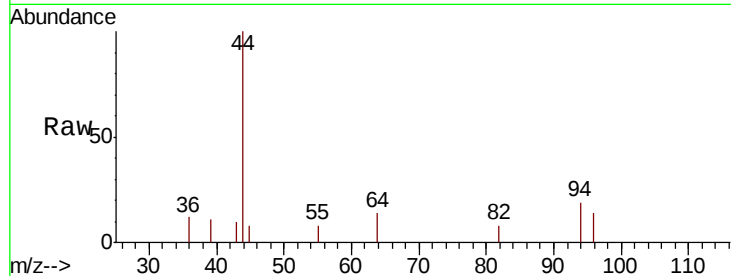
BP-TB-20191021

Tot Ion: 94 Resp: 207

Ion Ratio Lower Upper

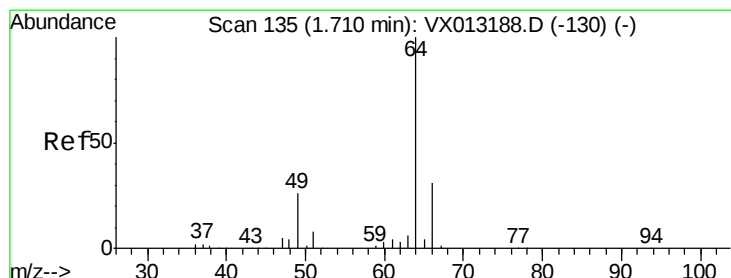
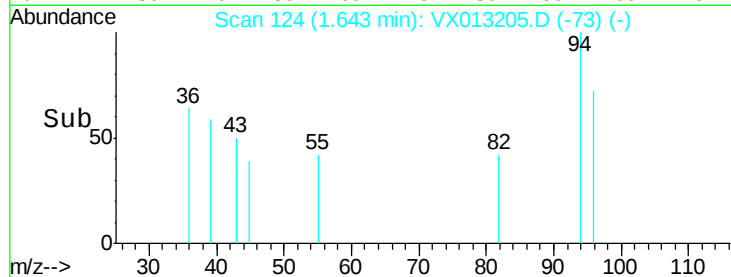
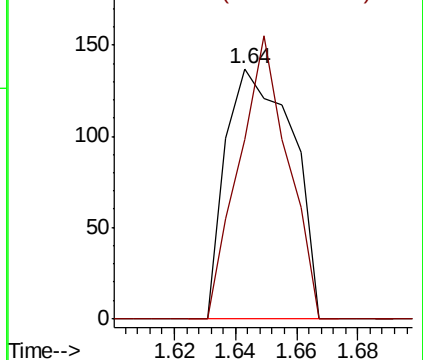
94 100

96 71.5 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX013205.D

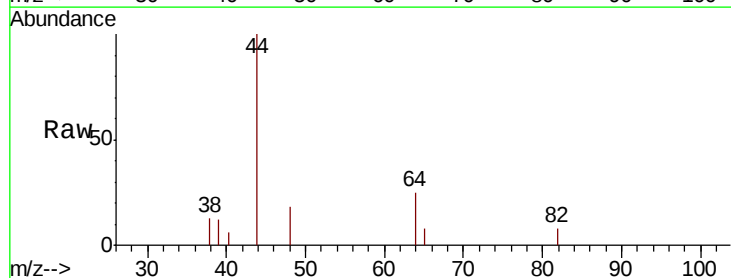
Acq: 24 Oct 2019 12:27

Tgt Ion: 64 Resp: 118

Ion Ratio Lower Upper

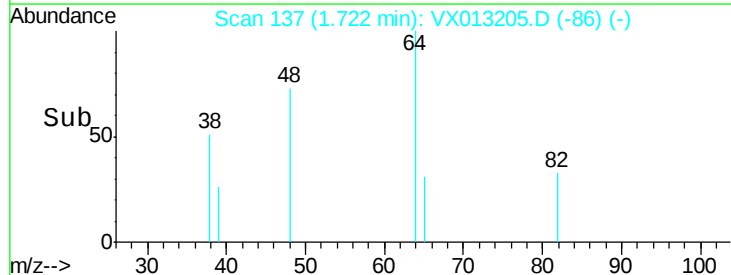
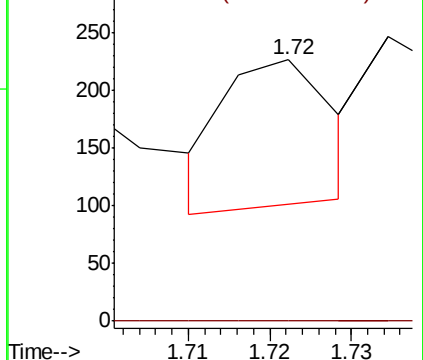
64 100

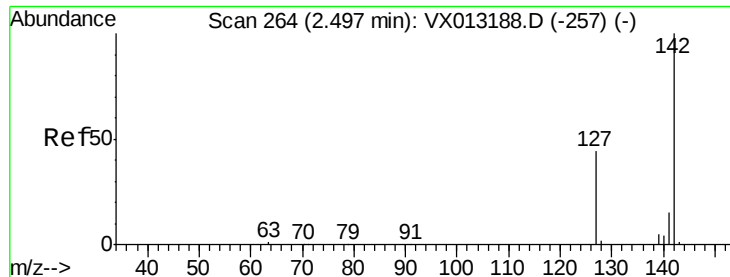
66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

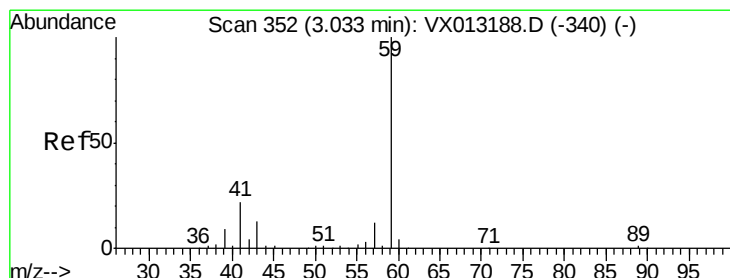
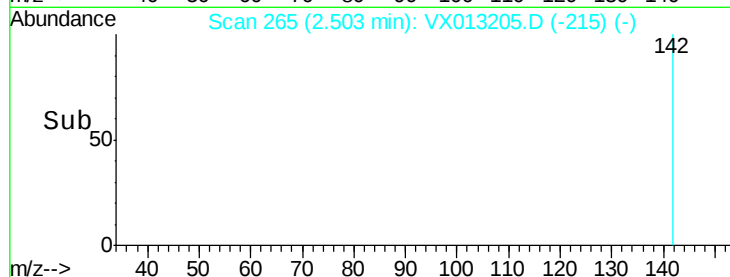
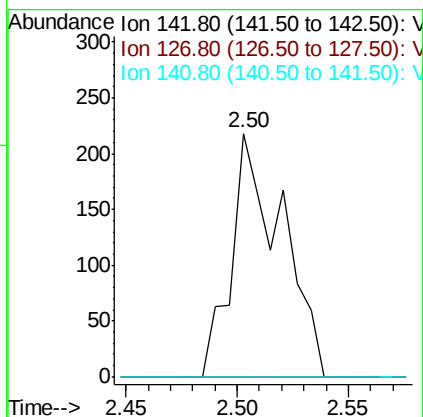
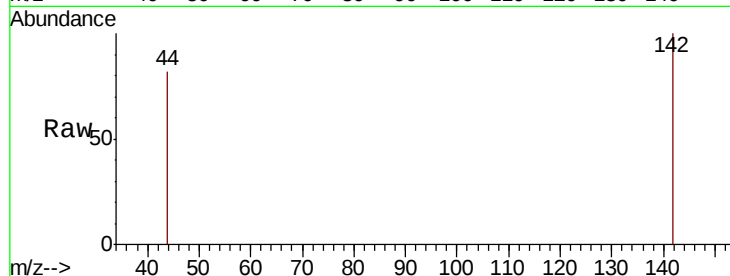




#10
Methvl Iodide
Concen: 3.715 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX013205.D
Acq: 24 Oct 2019 12:27

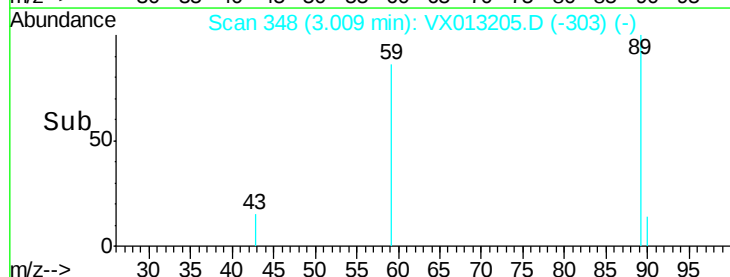
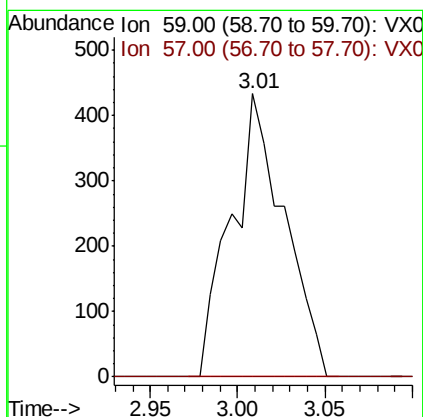
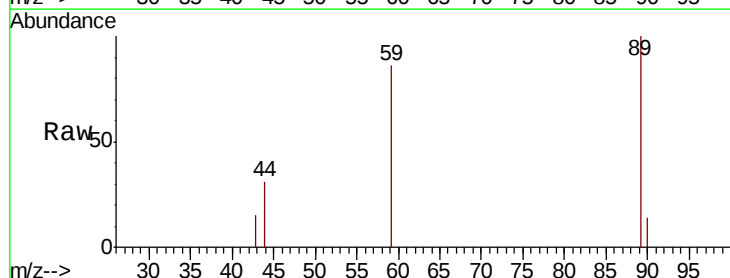
Instrument :
MSVOA_X
ClientSampleId :
BP-TB-20191021

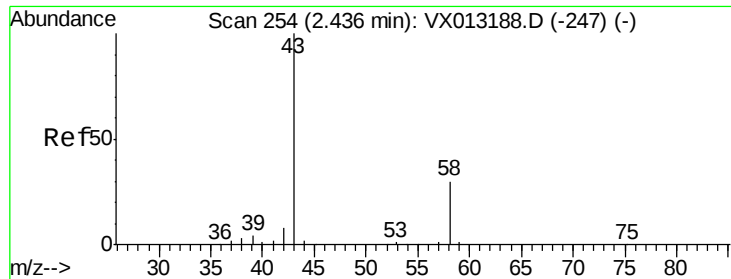
Tot Ion:142 Resp: 343
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 1.414 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013205.D
Acq: 24 Oct 2019 12:27

Tgt Ion: 59 Resp: 916
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 1.741 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX013205.D

Acq: 24 Oct 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

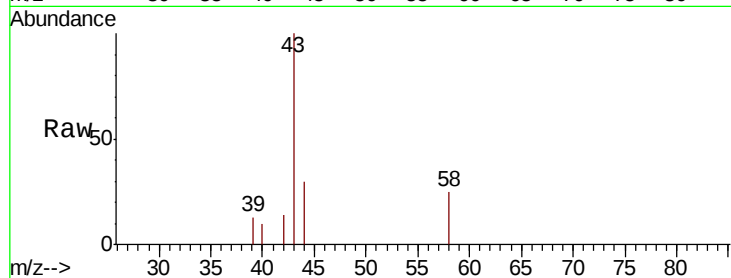
BP-TB-20191021

Tot Ion: 43 Resp: 1402

Ion Ratio Lower Upper

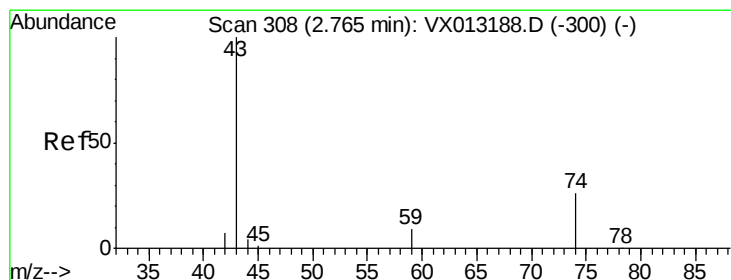
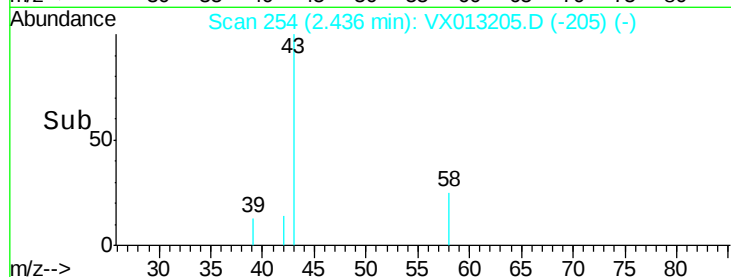
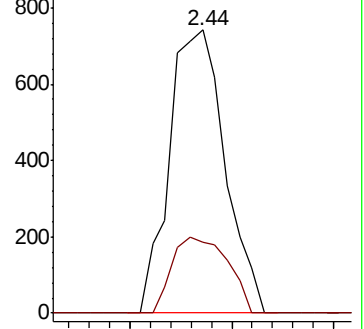
43 100

58 24.9 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.981 ug/l

RT: 2.77 min Scan# 309

Delta R.T. 0.01 min

Lab File: VX013205.D

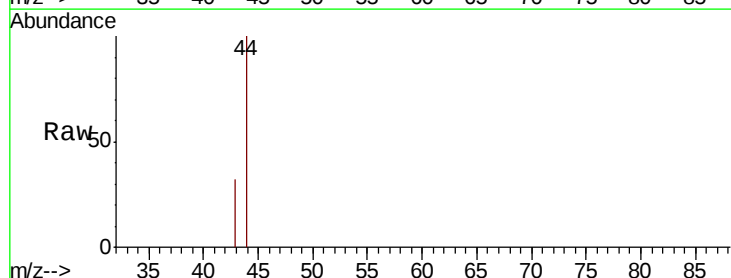
Acq: 24 Oct 2019 12:27

Tgt Ion: 43 Resp: 21

Ion Ratio Lower Upper

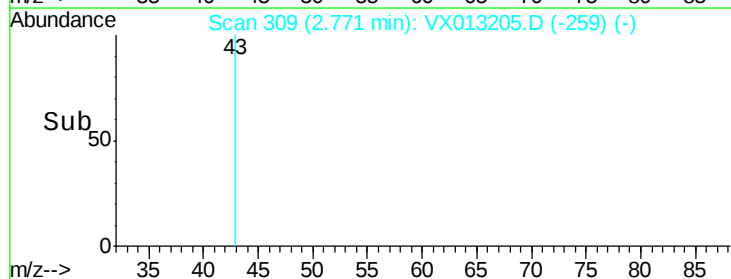
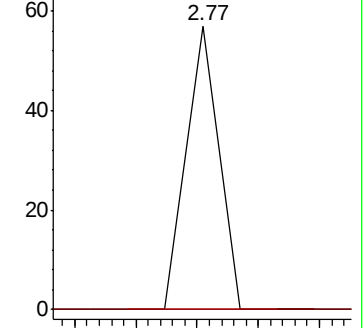
43 100

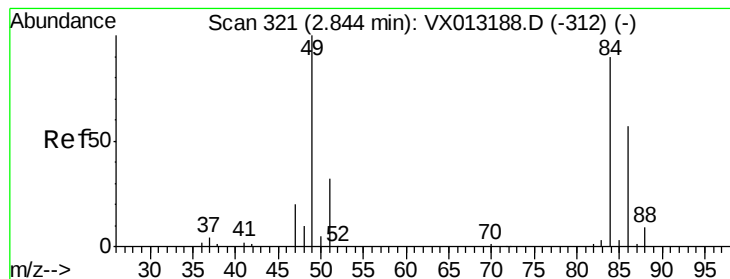
74 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 0.559 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX013205.D

Acq: 24 Oct 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

BP-TB-20191021

Tot Ion: 84 Resp: 410

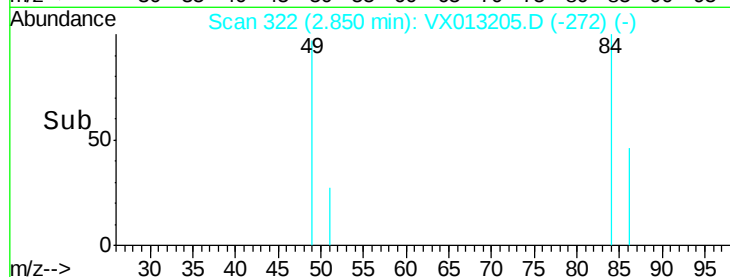
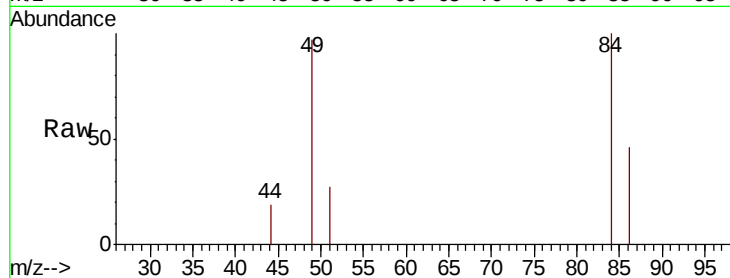
Ion Ratio Lower Upper

84 100

49 96.6 89.2 133.8

51 27.3 28.8 43.2#

86 45.7 51.2 76.8#

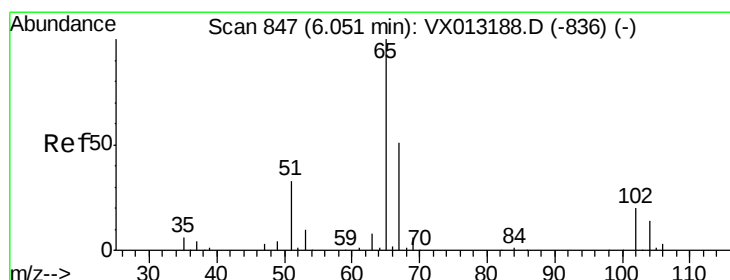
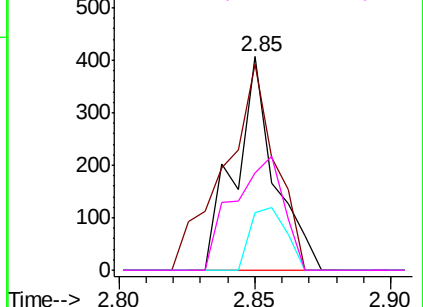


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#33

1,2-Dichloroethane-d4

Concen: 50.631 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013205.D

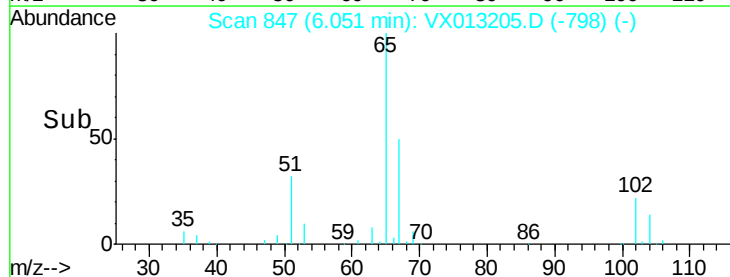
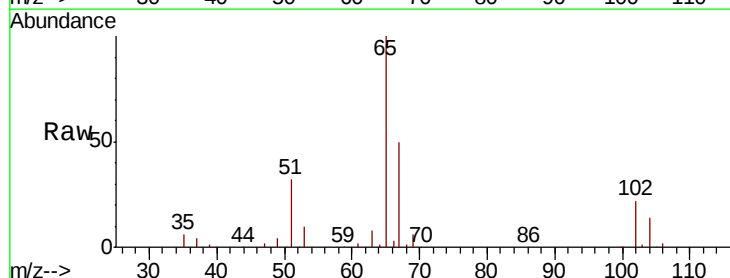
Acq: 24 Oct 2019 12:27

Tgt Ion: 65 Resp: 86553

Ion Ratio Lower Upper

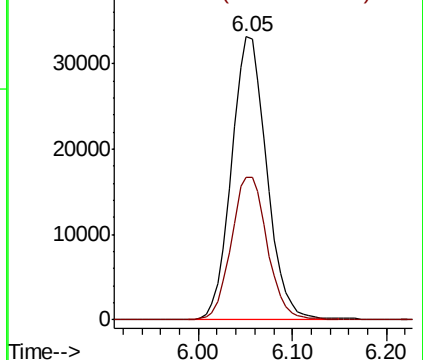
65 100

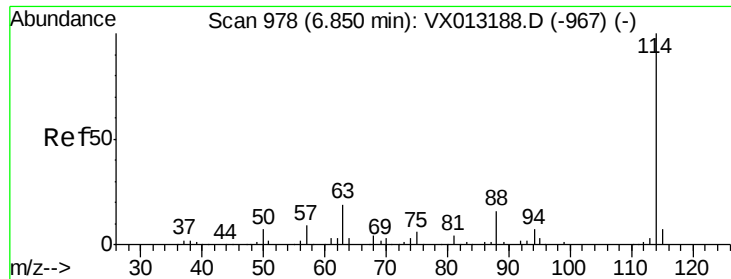
67 51.6 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

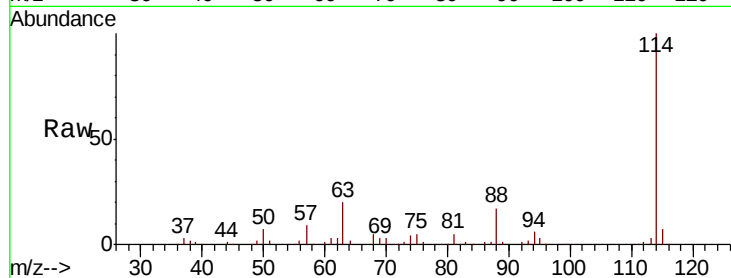




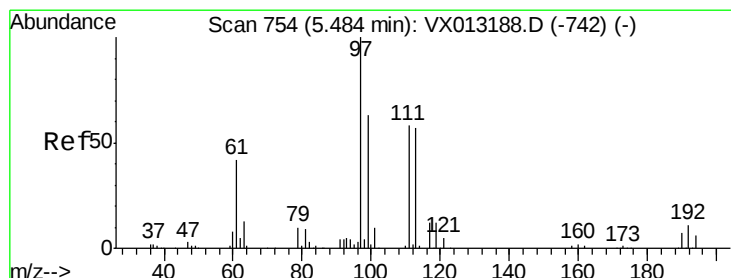
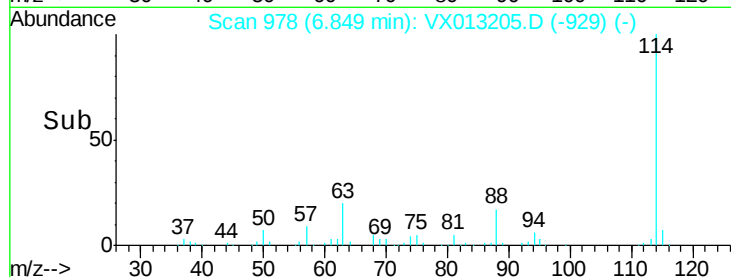
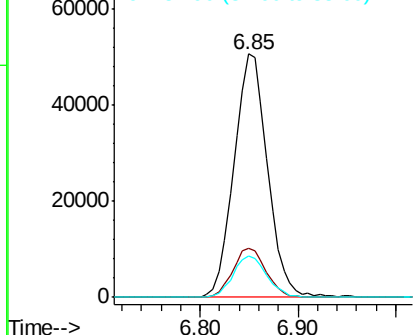
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013205.D
 Acq: 24 Oct 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB-20191021

Tot Ion:114 Resp: 120526
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.0
 88 17.1 0.0 32.0

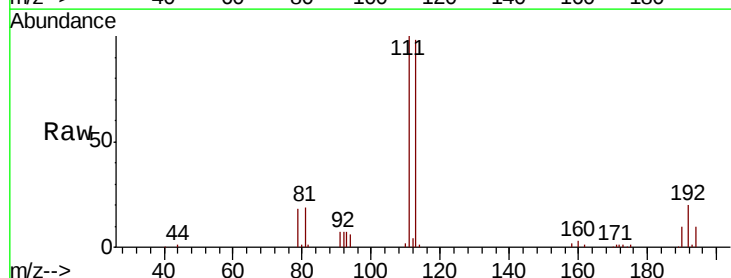


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

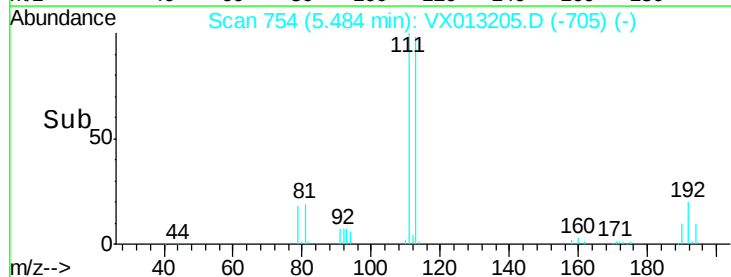
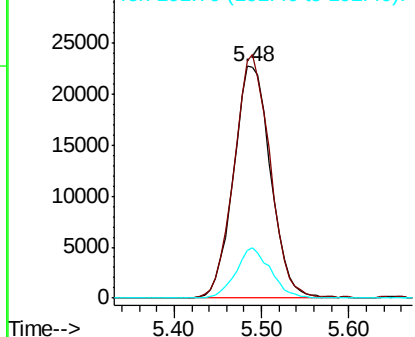


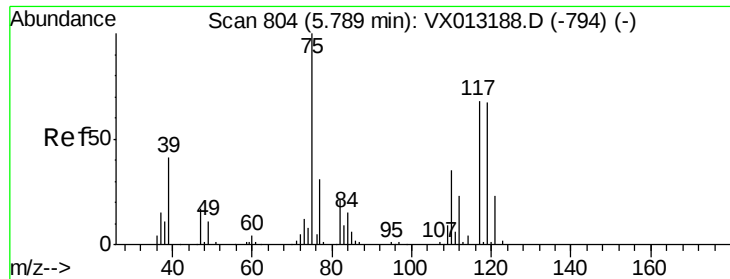
#35
 Dibromofluoromethane
 Concen: 49.661 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX013205.D
 Acq: 24 Oct 2019 12:27

Tgt Ion:113 Resp: 66746
 Ion Ratio Lower Upper
 113 100
 111 102.0 80.3 120.5
 192 20.2 15.9 23.9



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: 3.062 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013205.D

Acq: 24 Oct 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

BP-TB-20191021

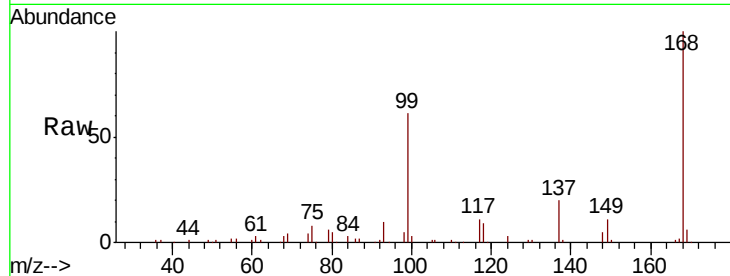
Tot Ion: 75 Resp: 6323

Ion Ratio Lower Upper

75 100

110 9.0 17.6 52.9#

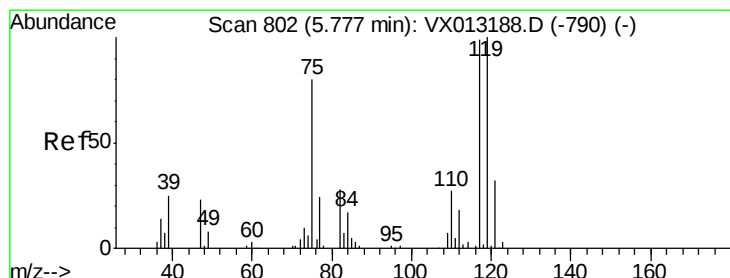
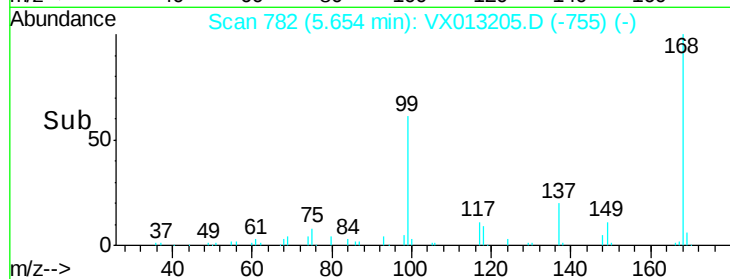
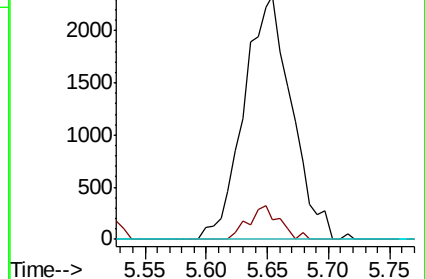
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 3.815 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013205.D

Acq: 24 Oct 2019 12:27

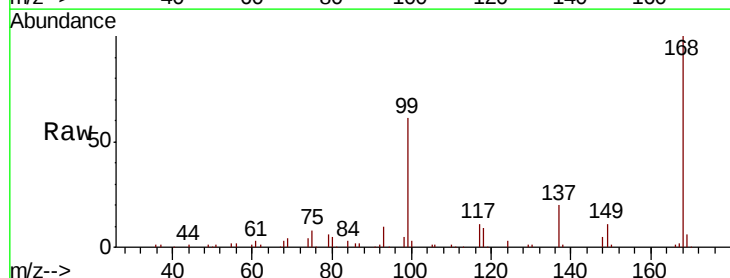
Tgt Ion: 117 Resp: 8498

Ion Ratio Lower Upper

117 100

119 4.5 80.1 120.1#

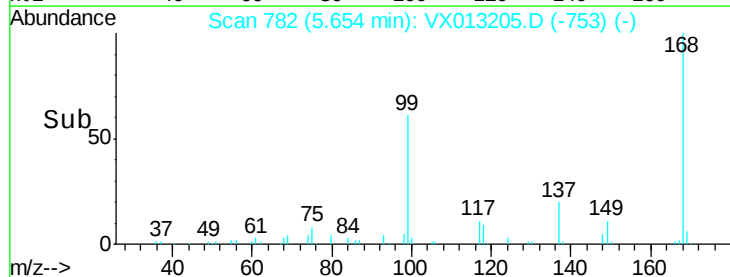
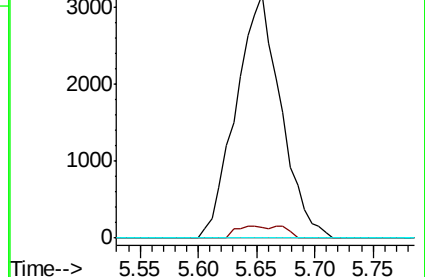
121 0.0 25.5 38.3#

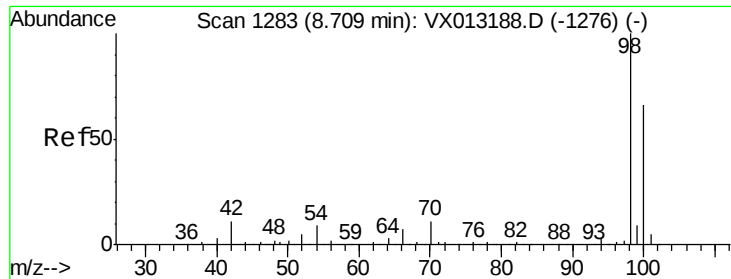


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

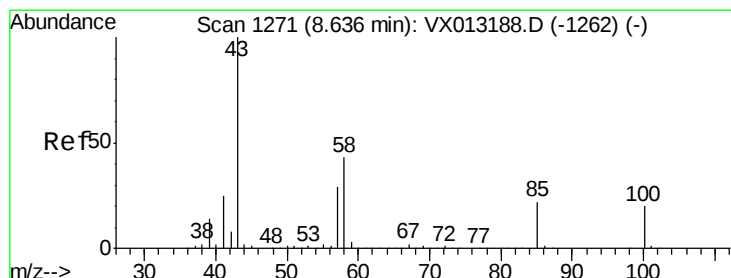
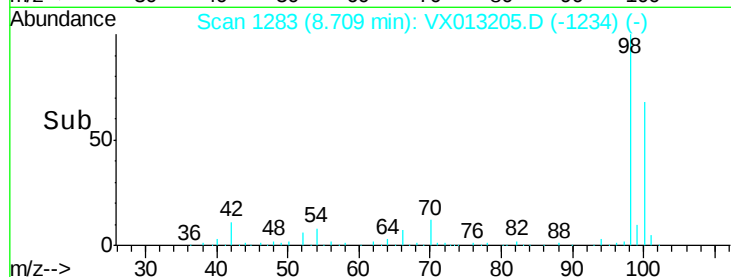
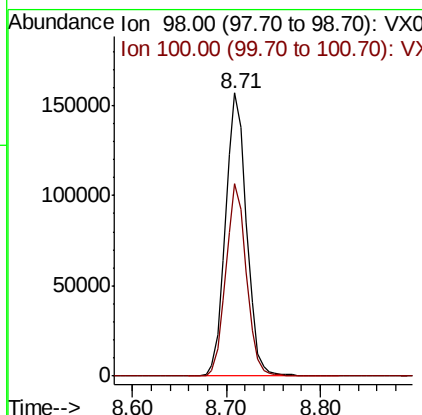
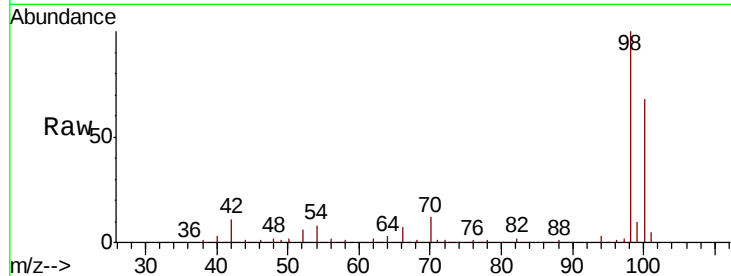




#50
Toluene-d8
Concen: 48.710 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013205.D
Acq: 24 Oct 2019 12:27

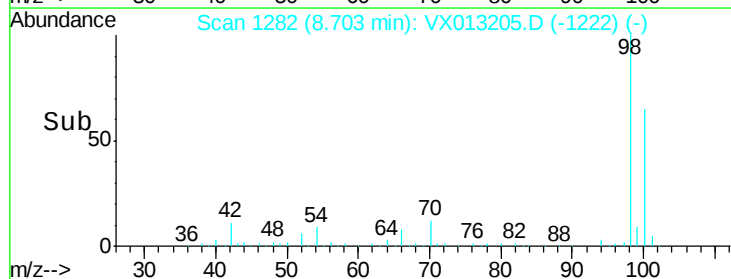
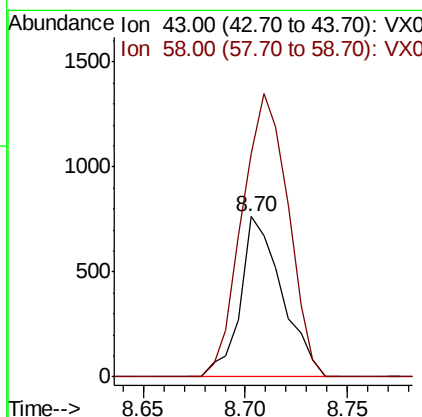
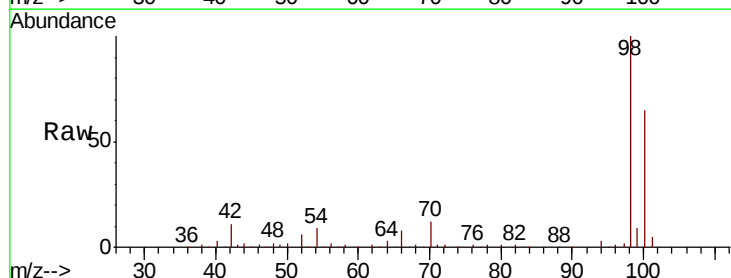
Instrument :
MSVOA_X
ClientSampleId :
BP-TB-20191021

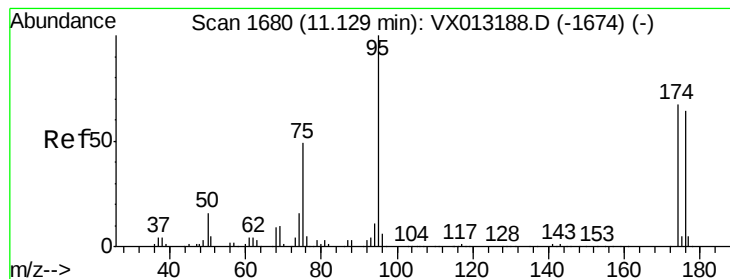
Tot Ion: 98 Resp: 242619
Ion Ratio Lower Upper
98 100
100 66.6 53.3 79.9



#51
4-Methyl-2-Pentanone
Concen: 0.535 ug/l
RT: 8.70 min Scan# 1282
Delta R.T. 0.07 min
Lab File: VX013205.D
Acq: 24 Oct 2019 12:27

Tgt Ion: 43 Resp: 1088
Ion Ratio Lower Upper
43 100
58 195.6 33.9 50.9#





#62

4-Bromofluorobenzene

Concen: 45.740 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013205.D

Acq: 24 Oct 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

BP-TB-20191021

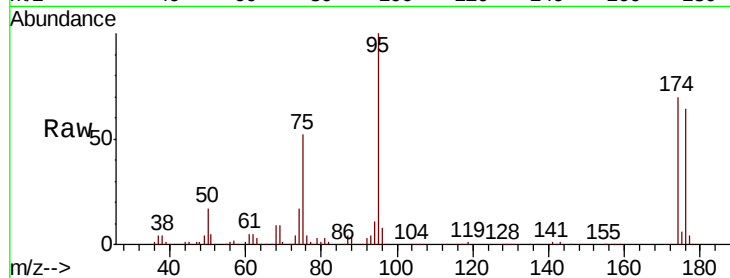
Tot Ion: 95 Resp: 90174

Ion Ratio Lower Upper

95 100

174 77.4 0.0 152.4

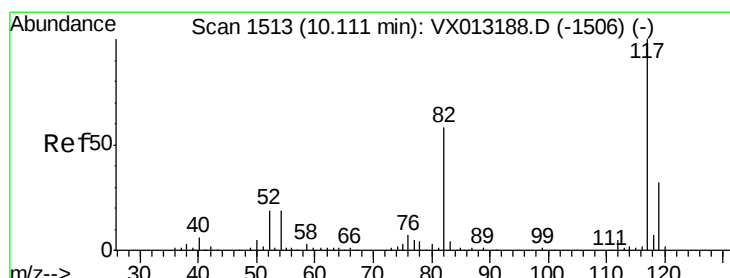
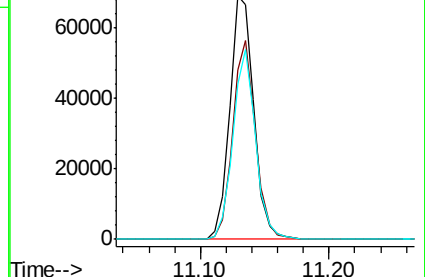
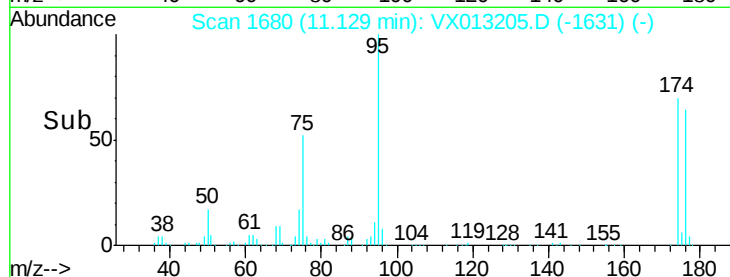
176 73.8 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VX013205.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX013205.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX013205.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013205.D

Acq: 24 Oct 2019 12:27

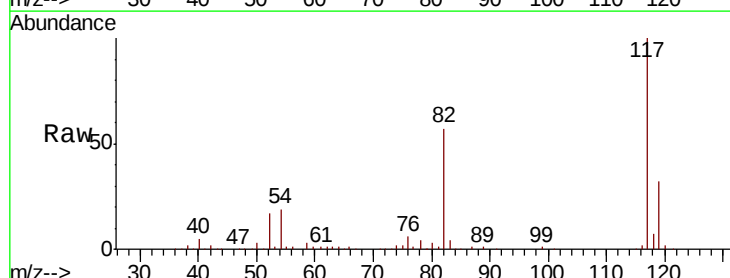
Tgt Ion: 117 Resp: 118087

Ion Ratio Lower Upper

117 100

82 56.5 46.5 69.7

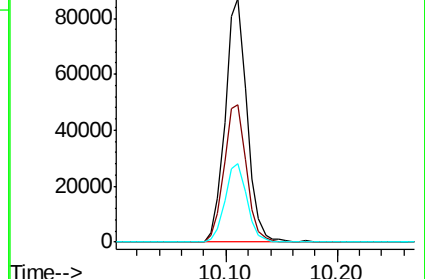
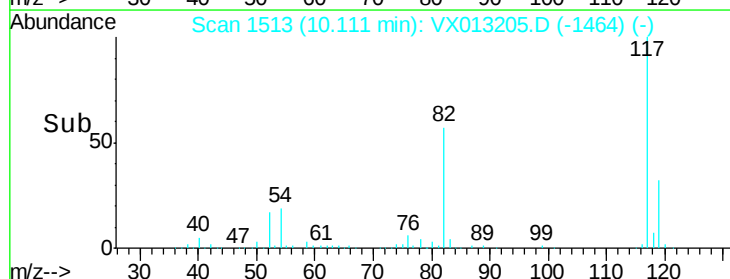
119 32.3 25.2 37.8

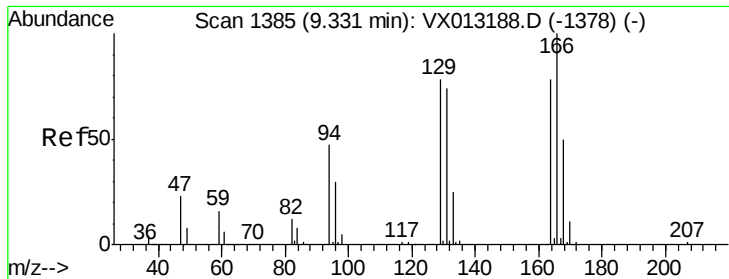


Abundance Ion 116.90 (116.60 to 117.60): VX013205.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX013205.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX013205.D (-1464) (-)

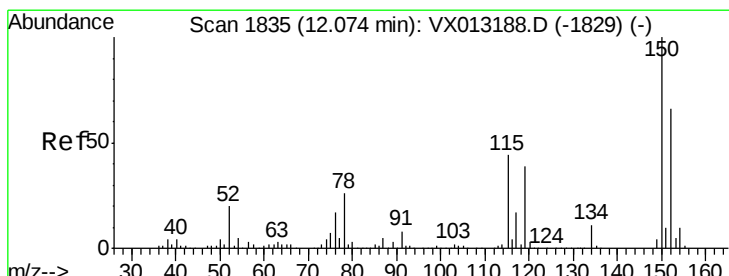
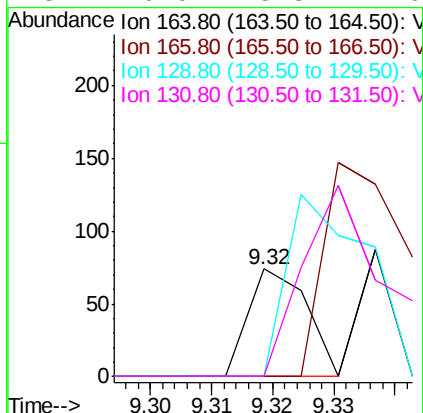
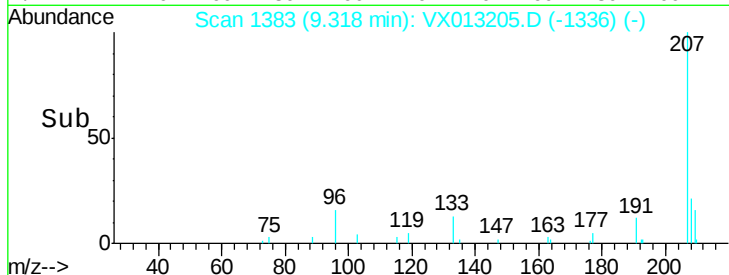
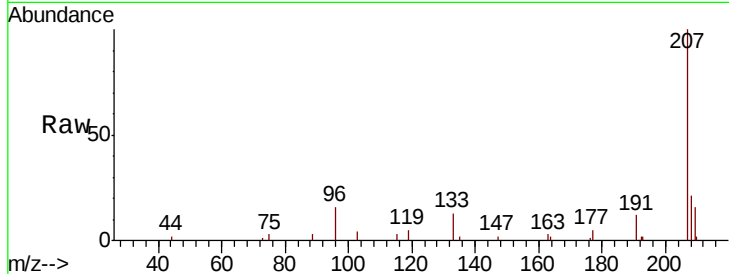




#64
Tetrachloroethene
Concen: Below Cal
RT: 9.32 min Scan# 1383
Delta R.T. -0.01 min
Lab File: VX013205.D
Acq: 24 Oct 2019 12:27

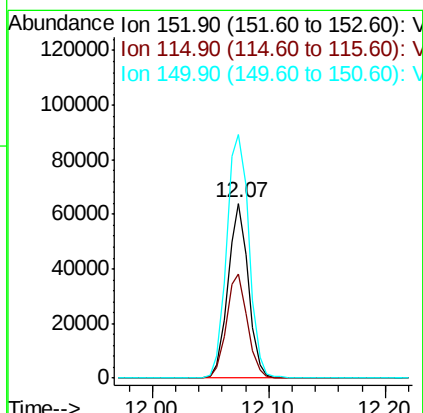
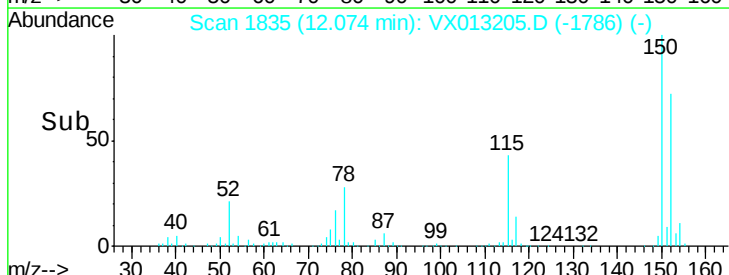
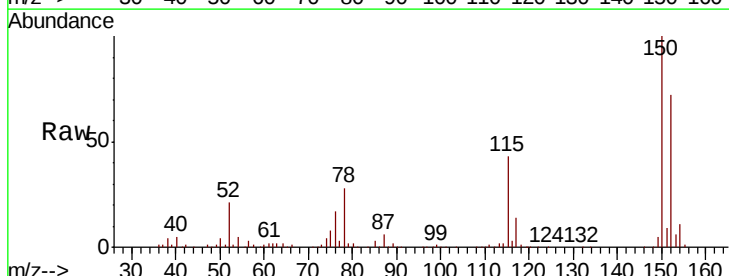
Instrument :
MSVOA_X
ClientSampleId :
BP-TB-20191021

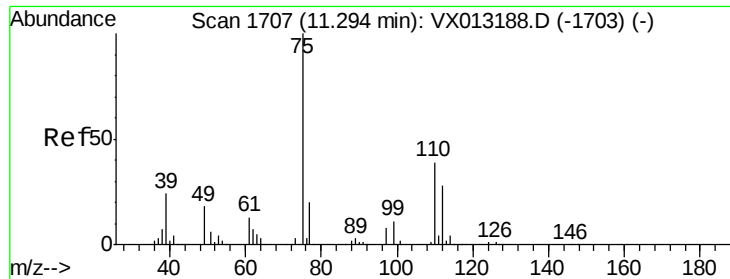
Tot Ion	Ratio	Lower	Upper
164	100		
166	0.0	102.2	153.4#
129	0.0	79.8	119.8#
131	0.0	75.3	112.9#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013205.D
Acq: 24 Oct 2019 12:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	46.6	139.8
150	153.1	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 24.758 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013205.D

Acq: 24 Oct 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

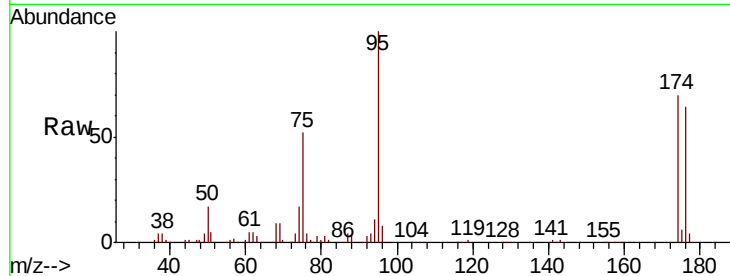
BP-TB-20191021

Tot Ion: 75 Resp: 46089

Ion Ratio Lower Upper

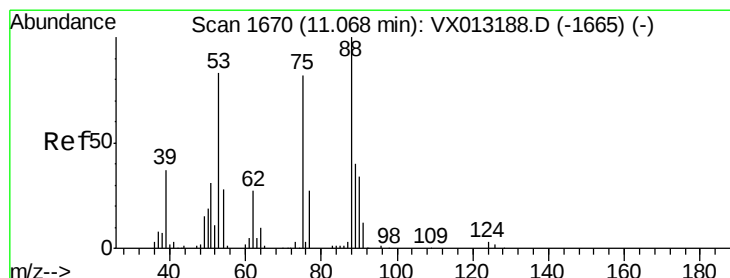
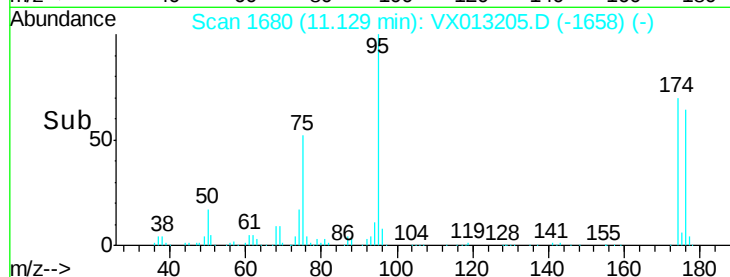
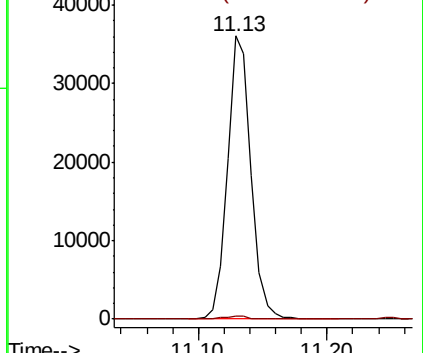
75 100

77 1.0 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 68.033 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013205.D

Acq: 24 Oct 2019 12:27

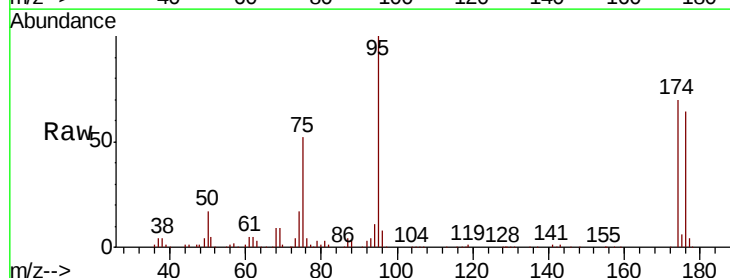
Tgt Ion: 75 Resp: 46089

Ion Ratio Lower Upper

75 100

53 0.0 77.9 116.9#

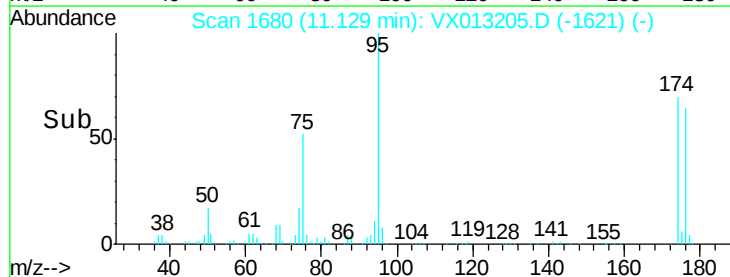
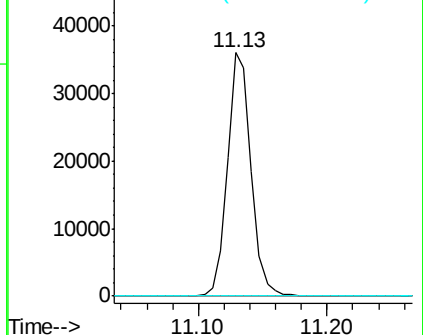
89 0.0 37.3 55.9#

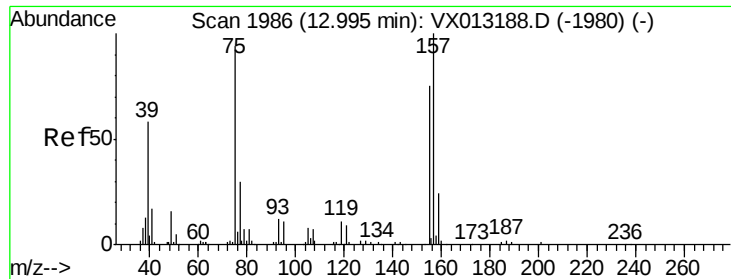


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.353 ug/l

RT: 12.81 min Scan# 1955

Delta R.T. -0.19 min

Lab File: VX013205.D

Acq: 24 Oct 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

BP-TB-20191021

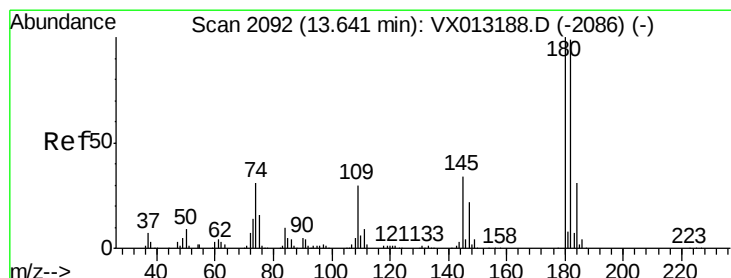
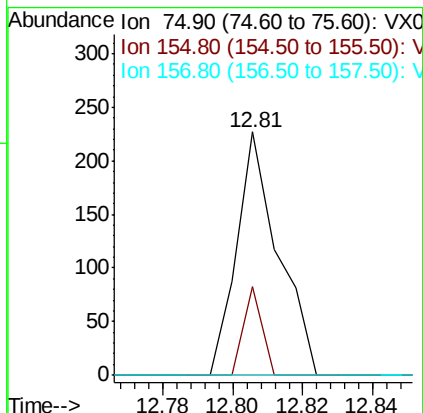
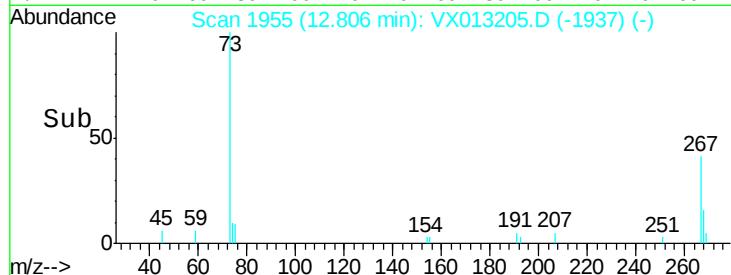
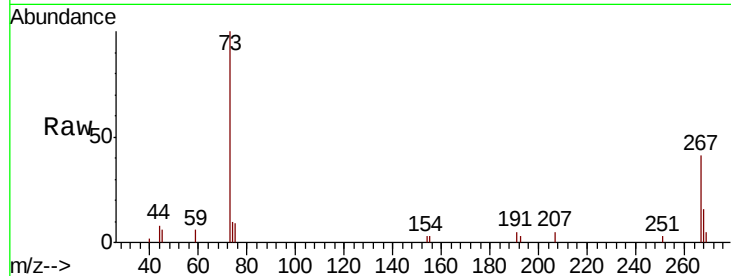
Tot Ion: 75 Resp: 187

Ion Ratio Lower Upper

75 100

155 16.0 42.8 128.4#

157 0.0 54.3 162.8#



#93

1,2,4-Trichlorobenzene

Concen: 0.258 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX013205.D

Acq: 24 Oct 2019 12:27

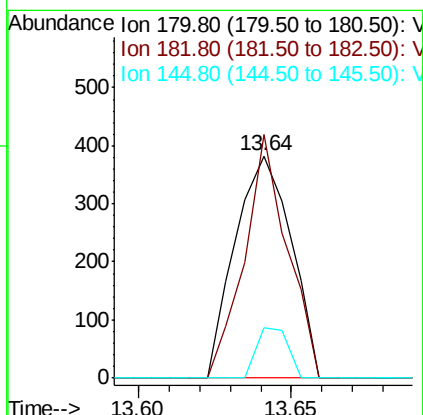
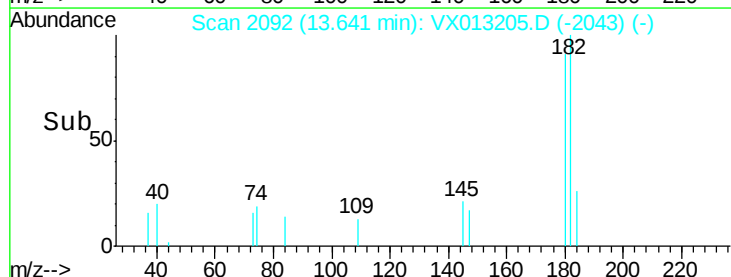
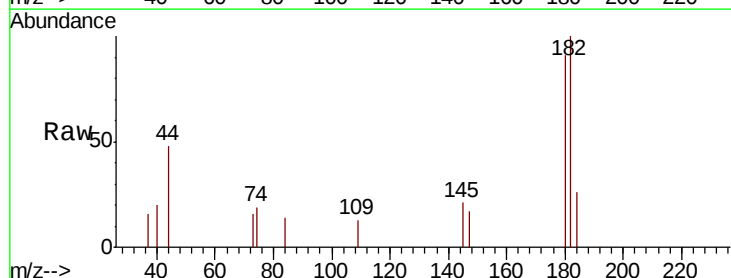
Tgt Ion: 180 Resp: 486

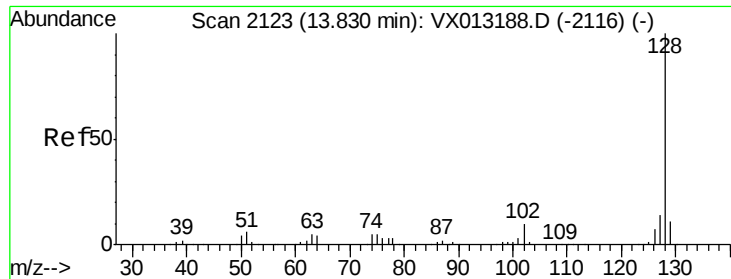
Ion Ratio Lower Upper

180 100

182 83.3 45.9 137.6

145 12.8 15.9 47.6#





#95

Naphthalene

Concen: 0.238 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013205.D

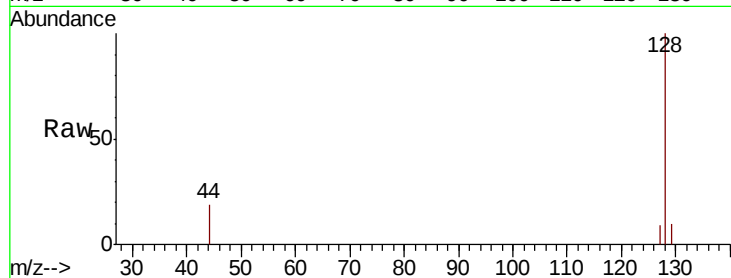
Acq: 24 Oct 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

BP-TB-20191021



Tot Ion:128 Resp: 1372

Ion Ratio Lower Upper

128 100

127 7.1 10.7 16.1#

129 7.7 8.6 13.0#

Abundance Ion 128.00 (127.70 to 128.70): V
 1500 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

