

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091418\
 Data File : VX004546.D
 Acq On : 14 Sep 2018 18:00
 Operator : JC/MD
 Sample : J4913-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-AOC22-MW09-20180911

Quant Time: Sep 15 04:43:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	285850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	390963	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	371685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	205892	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	180005	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
35) Dibromofluoromethane	5.50	113	164200	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	
50) Toluene-d8	8.71	98	568777	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
62) 4-Bromofluorobenzene	11.14	95	196694	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	

Target Compounds

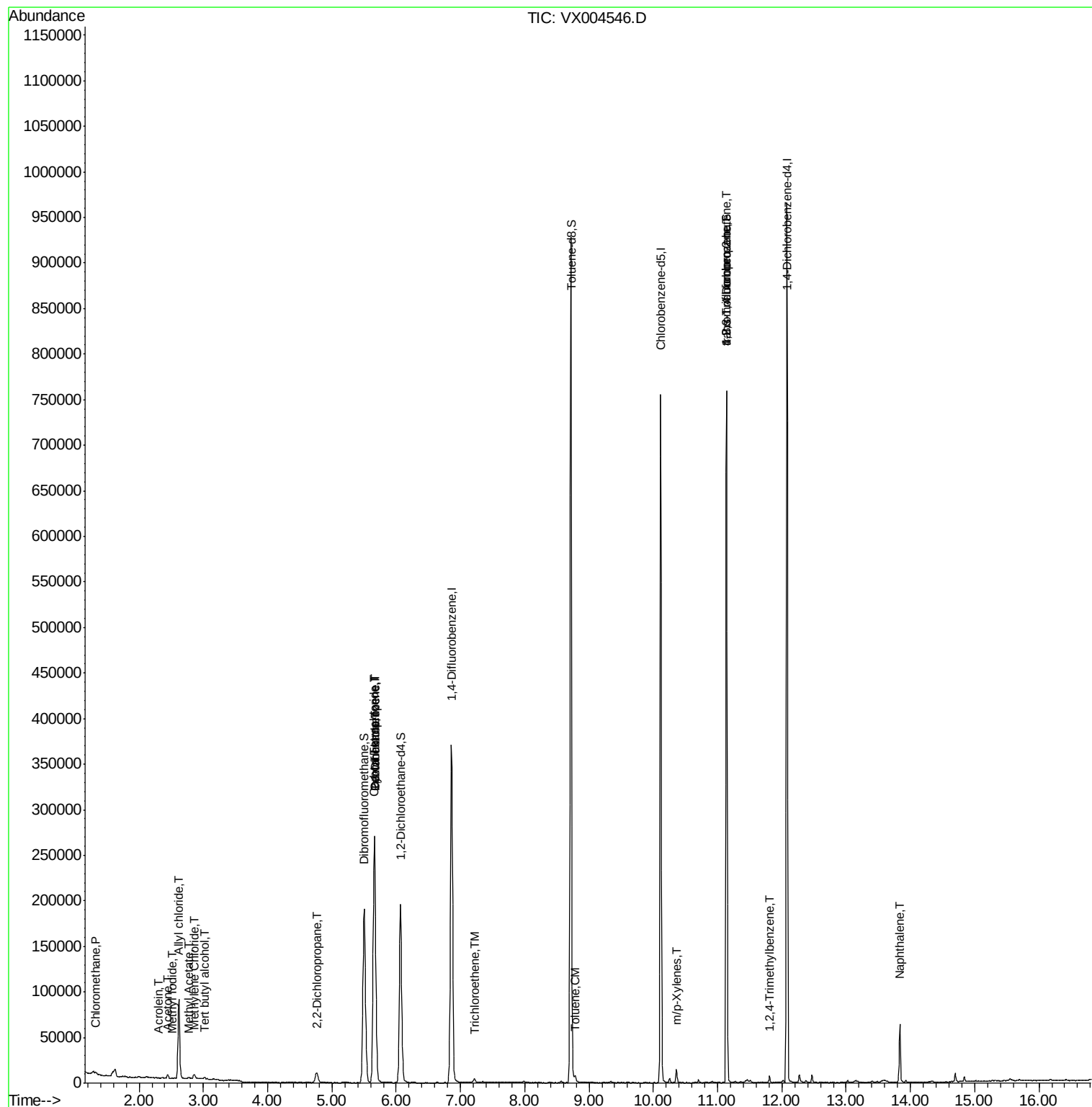
						Qvalue
3) Chloromethane	1.32	50	977	0.26	ug/l	90
5) Bromomethane	1.64	94	548	Below	Cal	84
10) Methyl Iodide	2.51	142	310	4.33	ug/l #	86
11) Tert butyl alcohol	3.03	59	1324	1.51	ug/l #	81
13) Acrolein	2.29	56	94	0.27	ug/l #	16
14) Allyl chloride	2.62	41	8489	1.38	ug/l #	67
16) Acetone	2.44	43	4074	2.26	ug/l	100
18) Methyl Acetate	2.77	43	1331	0.26	ug/l	91
20) Methylene Chloride	2.85	84	2256	0.61	ug/l	86
26) 2,2-Dichloropropane	4.76	77	942	0.22	ug/l #	52
31) Cyclohexane	5.66	56	4603	0.86	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18206	3.84	ug/l #	50
38) Carbon Tetrachloride	5.65	117	24188	5.22	ug/l #	15
44) Trichloroethene	7.21	130	1807	0.49	ug/l	79
52) Toluene	8.79	92	2128	0.26	ug/l	91
68) m/p-Xylenes	10.36	106	3064	0.53	ug/l	85
76) 1,2,3-Trichloropropane	11.14	75	92095	22.23	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	92095	70.87	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	3538	0.30	ug/l	92
95) Naphthalene	13.83	128	44377	3.16	ug/l	100

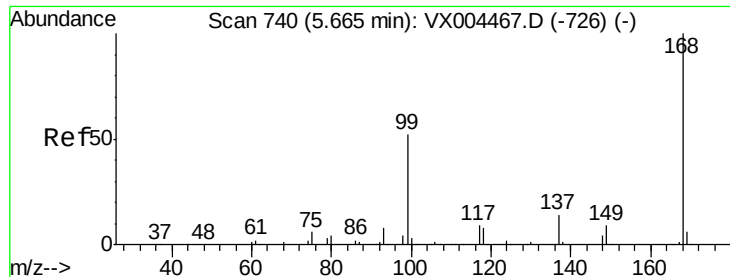
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004546.D

Acq: 14 Sep 2018 18:00

Instrument :

MSVOA_X

ClientSampleId :

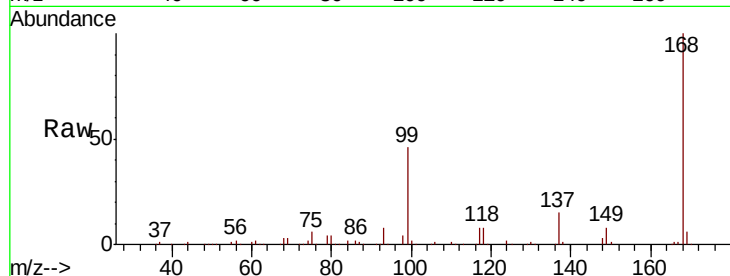
BP-TT-AOC22-MW09-20180911

Tot Ion:168 Resp: 285850

Ion Ratio Lower Upper

168 100

99 46.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

60000

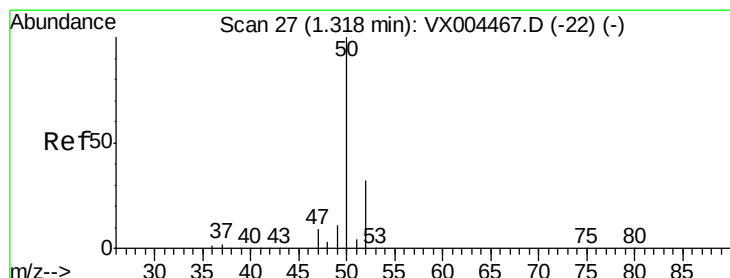
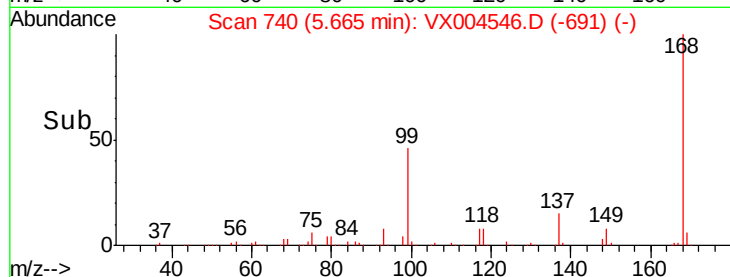
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.26 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004546.D

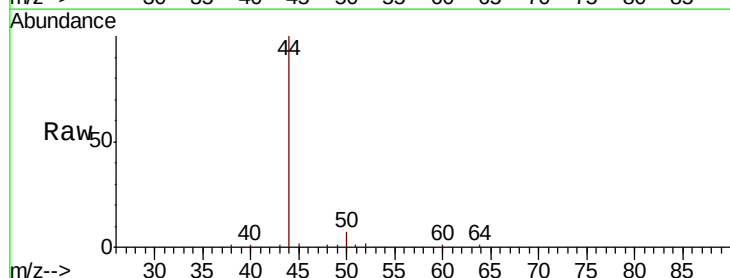
Acq: 14 Sep 2018 18:00

Tgt Ion: 50 Resp: 977

Ion Ratio Lower Upper

50 100

52 38.2 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

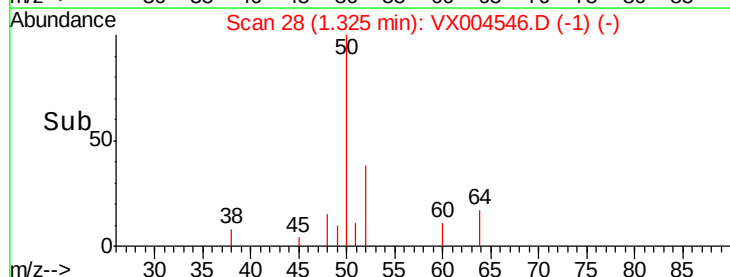
400

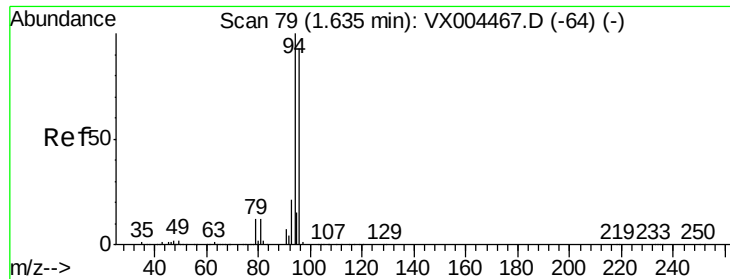
200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004546.D

Acq: 14 Sep 2018 18:00

Instrument :

MSVOA_X

ClientSampleId :

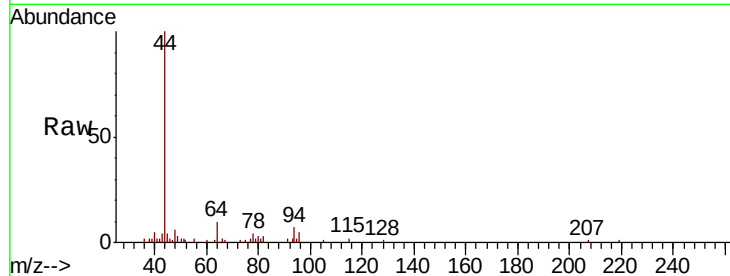
BP-TT-AOC22-MW09-20180911

Tot Ion: 94 Resp: 548

Ion Ratio Lower Upper

94 100

96 77.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

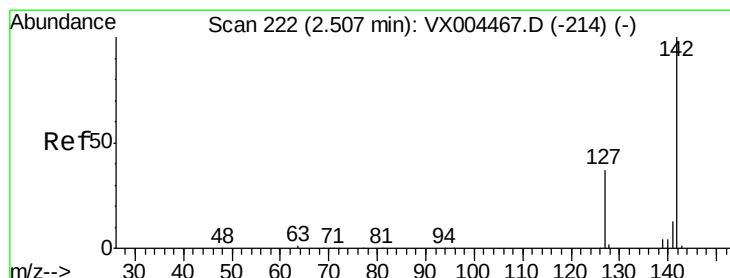
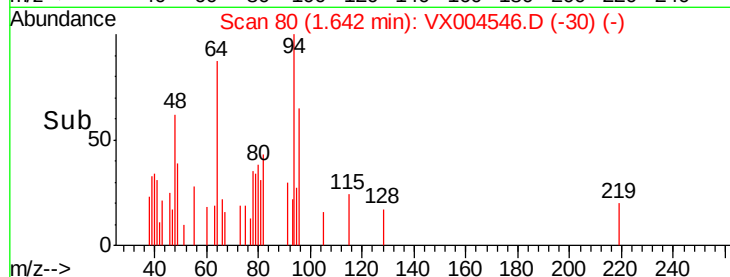
200

100

0

1.60 1.62 1.64 1.66 1.68

Time-->



#10

Methyl Iodide

Concen: 4.33 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004546.D

Acq: 14 Sep 2018 18:00

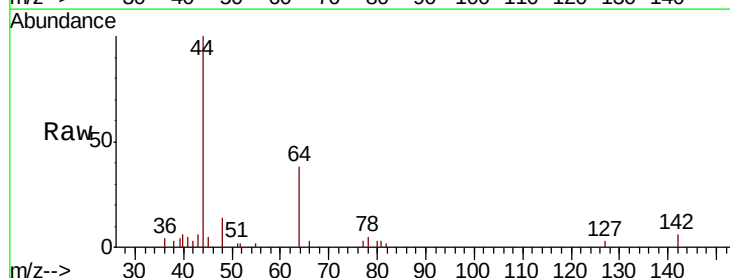
Tgt Ion: 142 Resp: 310

Ion Ratio Lower Upper

142 100

127 38.1 33.8 50.6

141 0.0 11.4 17.0#



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

200

150

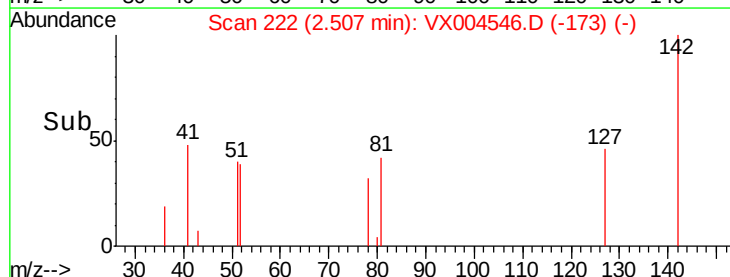
100

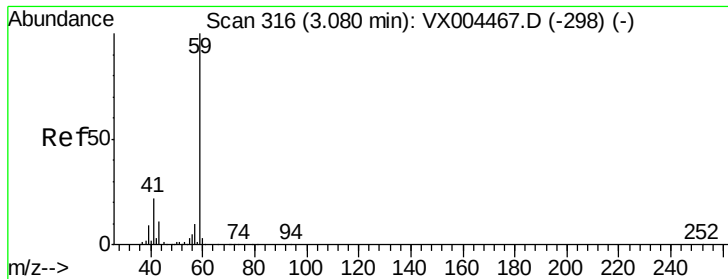
50

0

2.50 2.51 2.52 2.53 2.54 2.55

Time-->

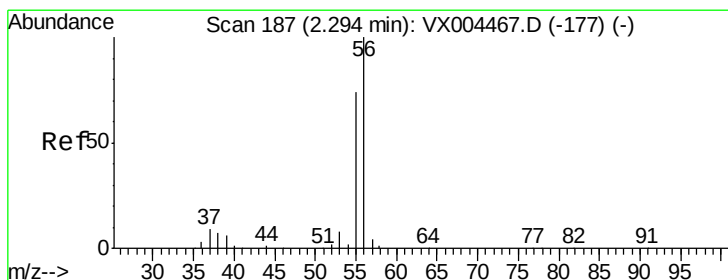
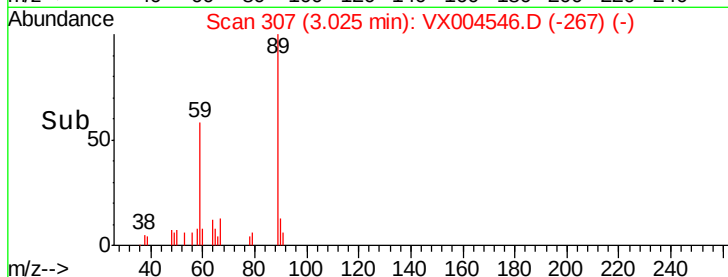
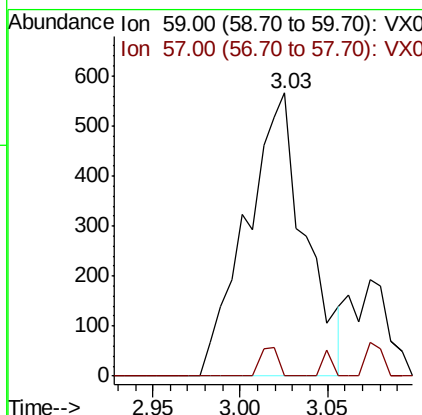
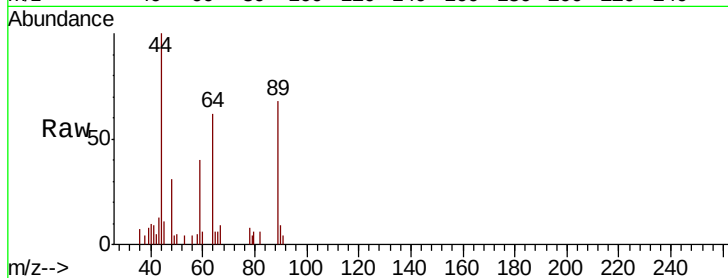




#11
Tert butyl alcohol
Concen: 1.51 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX004546.D
Acq: 14 Sep 2018 18:00

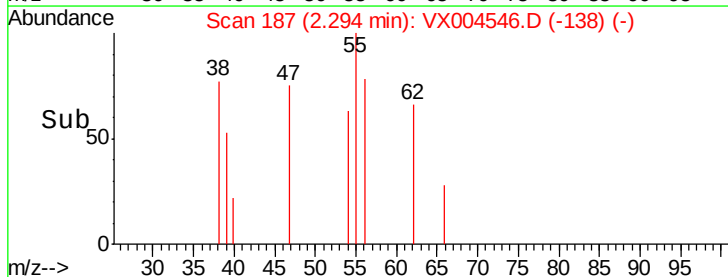
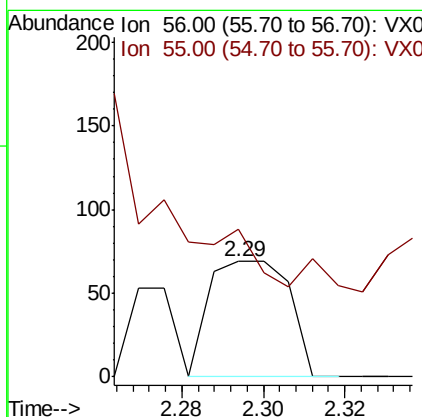
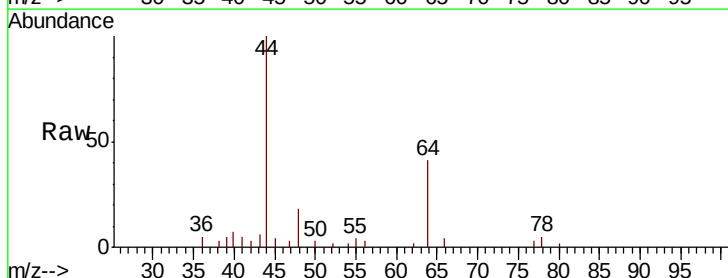
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-AOC22-MW09-20180911

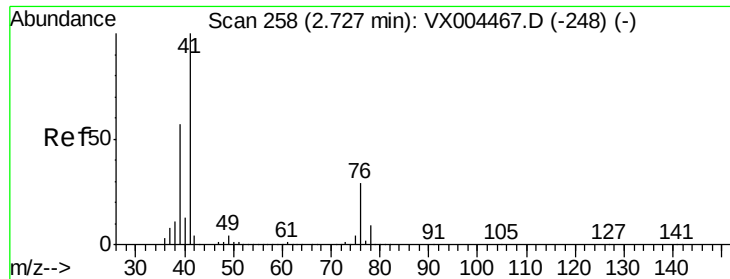
Tot Ion: 59 Resp: 1324
Ion Ratio Lower Upper
59 100
57 3.2 8.2 12.4#



#13
Acrolein
Concen: 0.27 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX004546.D
Acq: 14 Sep 2018 18:00

Tgt Ion: 56 Resp: 94
Ion Ratio Lower Upper
56 100
55 0.0 54.7 82.1#

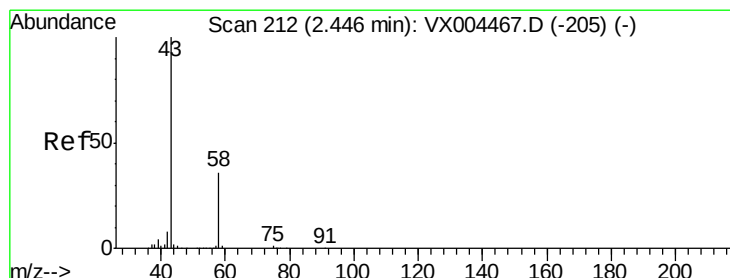
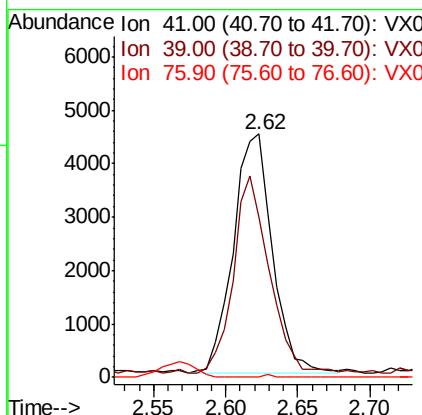
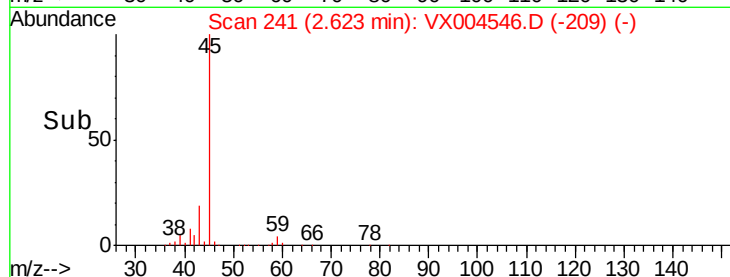
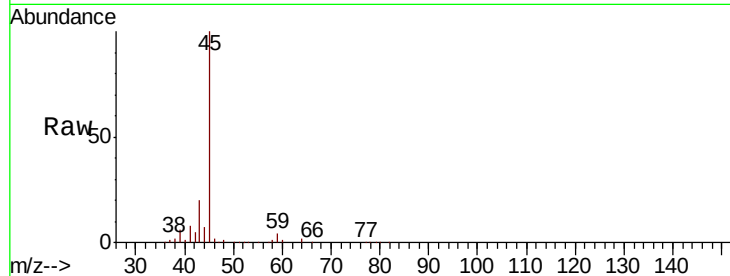




#14
Allvl chloride
Concen: 1.38 ug/l
RT: 2.62 min Scan# 241
Delta R.T. -0.10 min
Lab File: VX004546.D
Acq: 14 Sep 2018 18:00

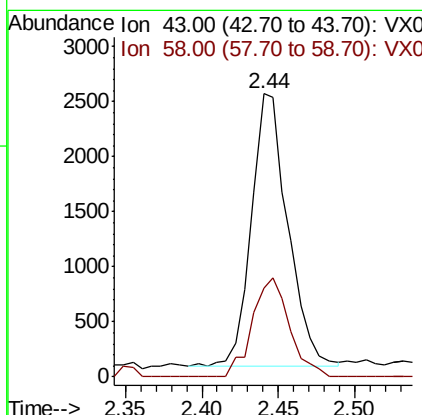
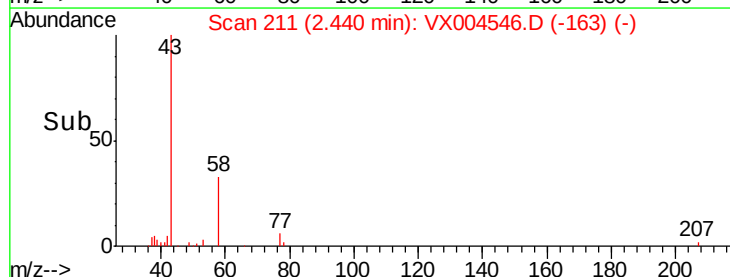
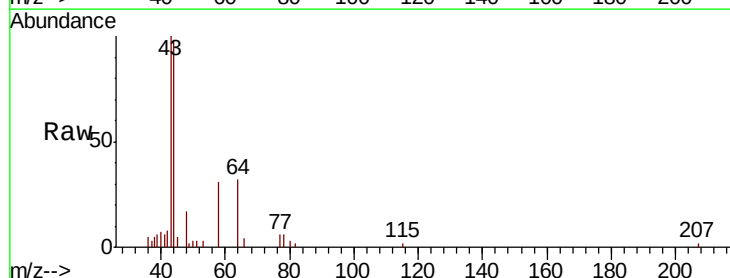
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-AOC22-MW09-20180911

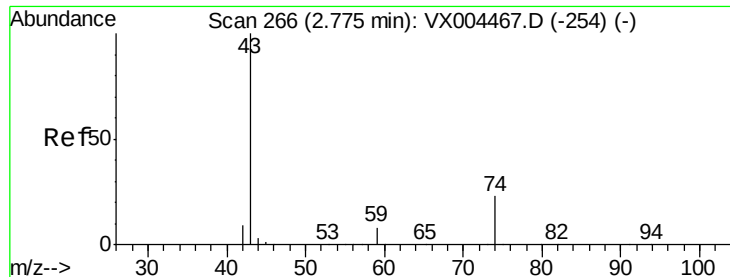
Tot Ion: 41 Resp: 8489
Ion Ratio Lower Upper
41 100
39 75.8 48.9 73.3#
76 0.2 26.7 40.1#



#16
Acetone
Concen: 2.26 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX004546.D
Acq: 14 Sep 2018 18:00

Tgt Ion: 43 Resp: 4074
Ion Ratio Lower Upper
43 100
58 32.5 26.2 39.4





#18

Methyl Acetate

Concen: 0.26 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX004546.D

Acq: 14 Sep 2018 18:00

Instrument :

MSVOA_X

ClientSampleId :

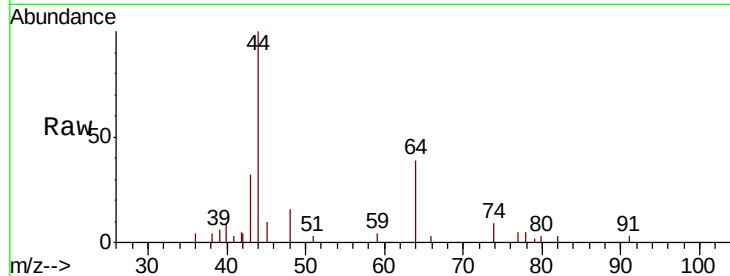
BP-TT-AOC22-MW09-20180911

Tot Ion: 43 Resp: 1331

Ion Ratio Lower Upper

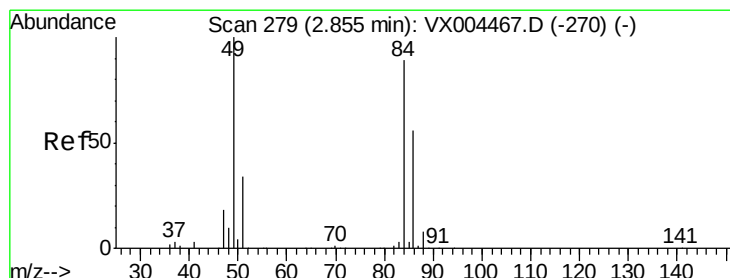
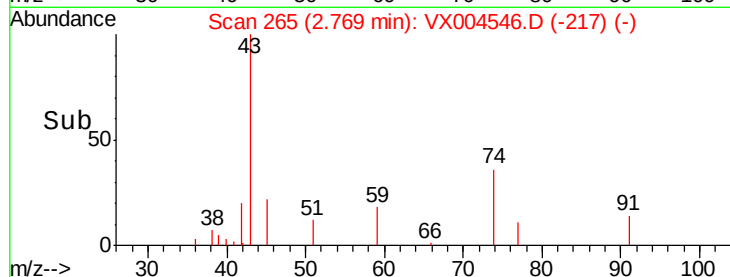
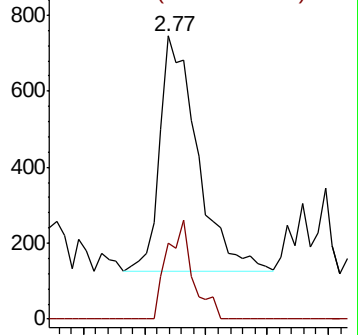
43 100

74 28.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 0.61 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX004546.D

Acq: 14 Sep 2018 18:00

Tgt Ion: 84 Resp: 2256

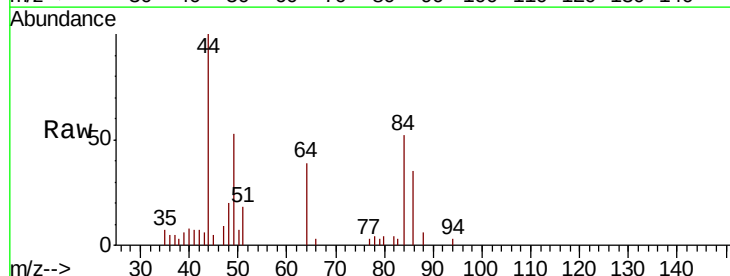
Ion Ratio Lower Upper

84 100

49 103.3 101.2 151.8

51 30.1 29.5 44.3

86 68.7 52.3 78.5

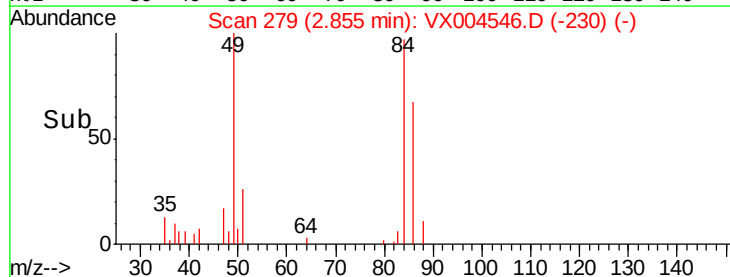
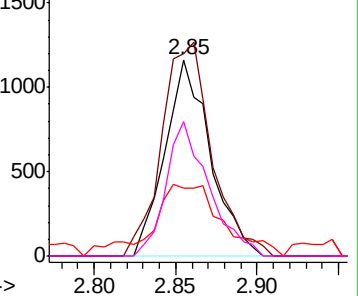


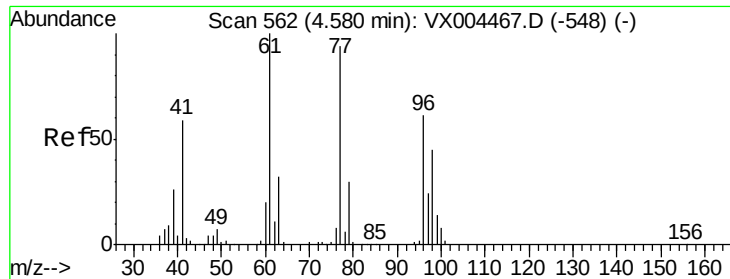
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

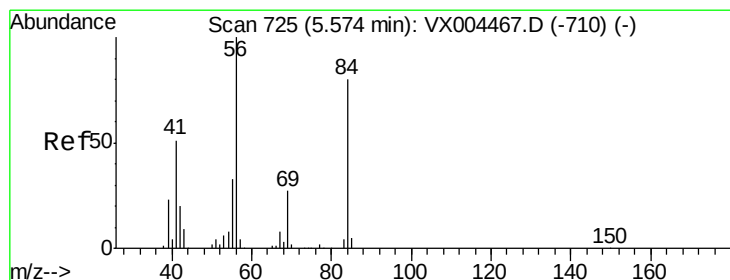
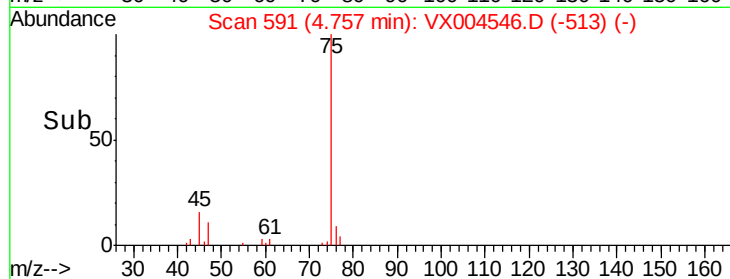
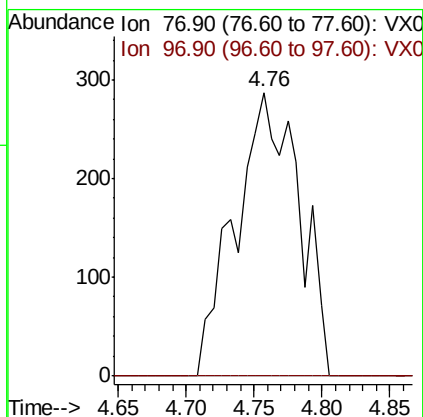
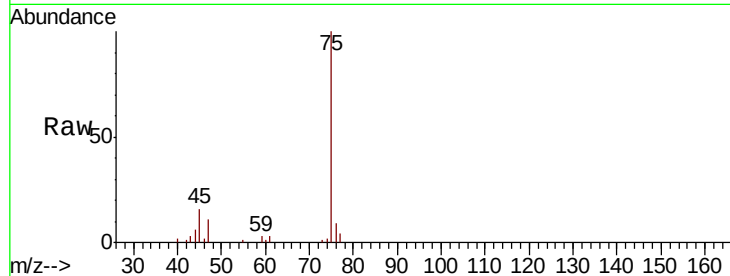




#26
 2,2-Dichloropropane
 Concen: 0.22 ug/l
 RT: 4.76 min Scan# 591
 Delta R.T. 0.18 min
 Lab File: VX004546.D
 Acq: 14 Sep 2018 18:00

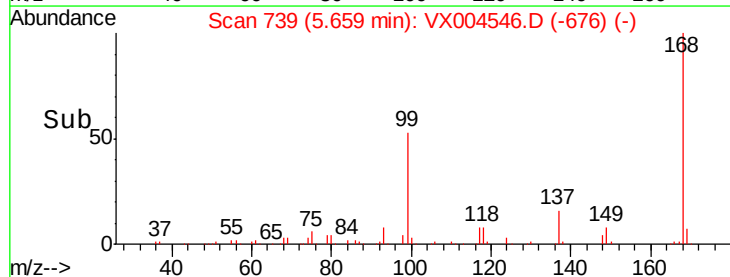
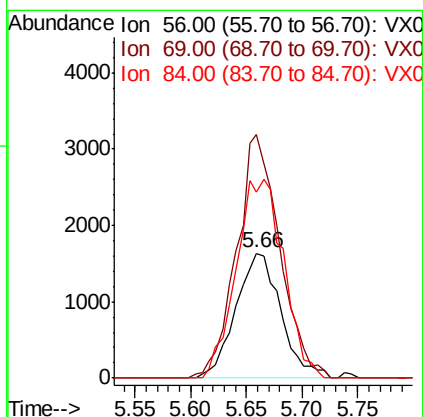
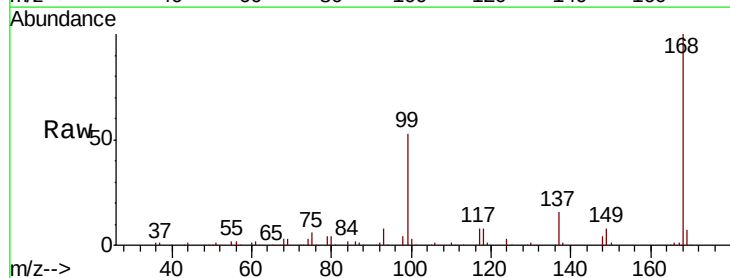
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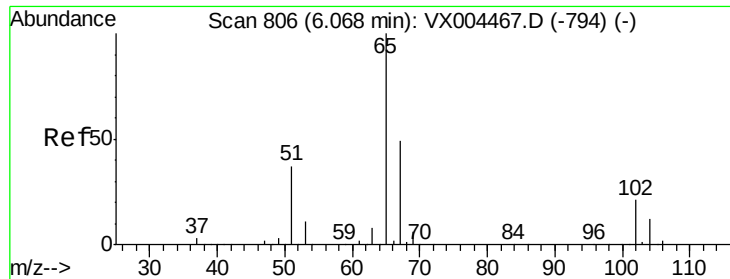
Tot Ion: 77 Resp: 942
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.7 35.0#



#31
 Cyclohexane
 Concen: 0.86 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. 0.09 min
 Lab File: VX004546.D
 Acq: 14 Sep 2018 18:00

Tgt Ion: 56 Resp: 4603
 Ion Ratio Lower Upper
 56 100
 69 194.9 25.4 38.2#
 84 148.9 71.4 107.2#

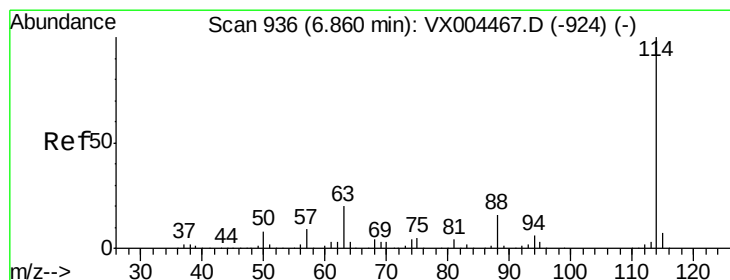
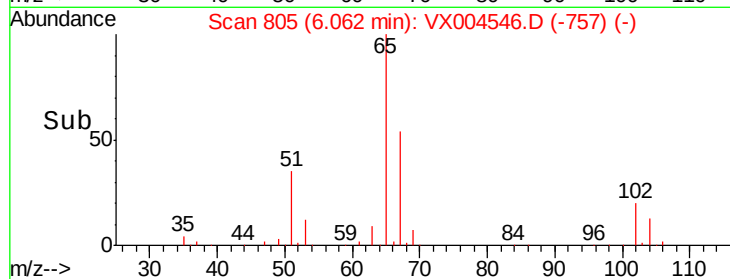
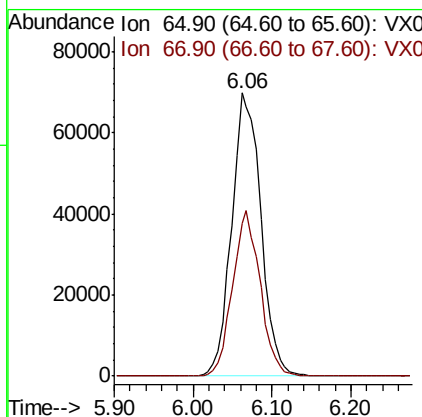
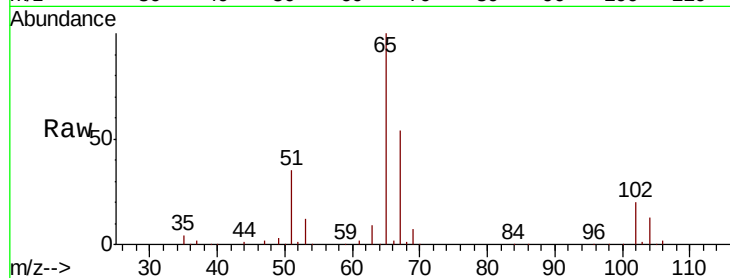




#33
 1,2-Dichloroethane-d4
 Concen: 48.84 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX004546.D
 Acq: 14 Sep 2018 18:00

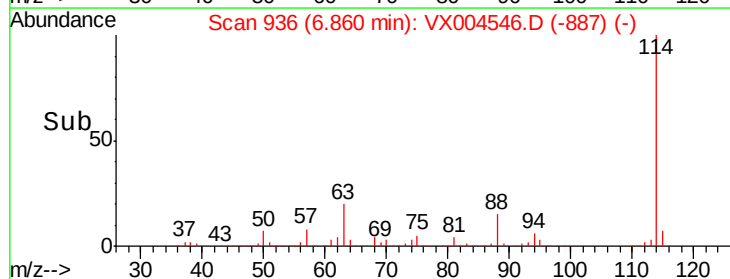
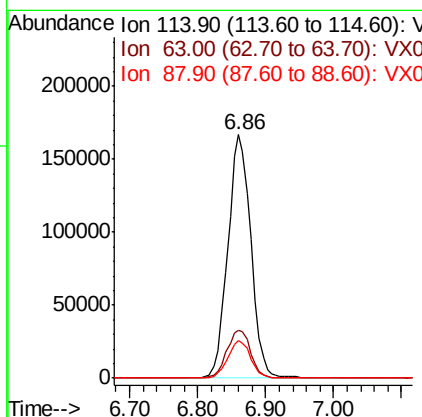
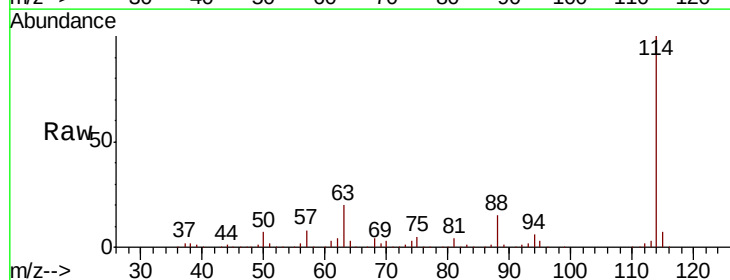
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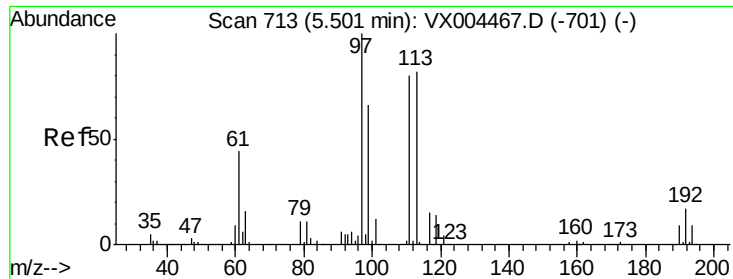
Tot Ion: 65 Resp: 180005
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004546.D
 Acq: 14 Sep 2018 18:00

Tgt Ion: 114 Resp: 390963
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 15.2 0.0 30.4

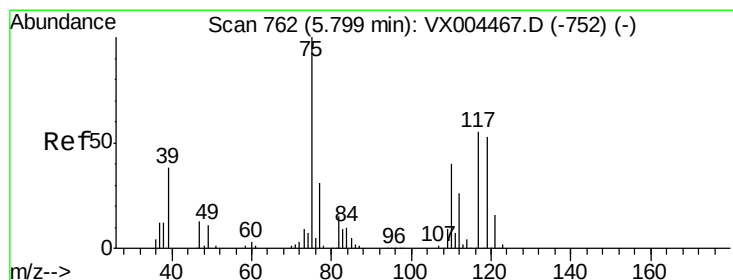
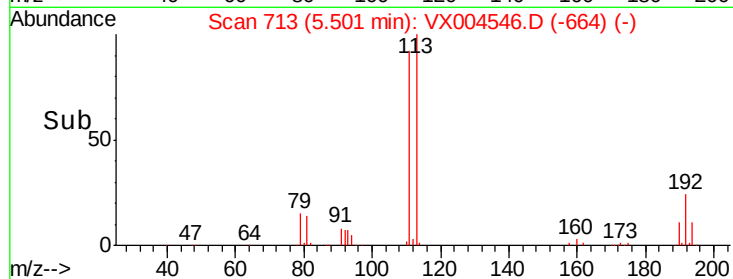
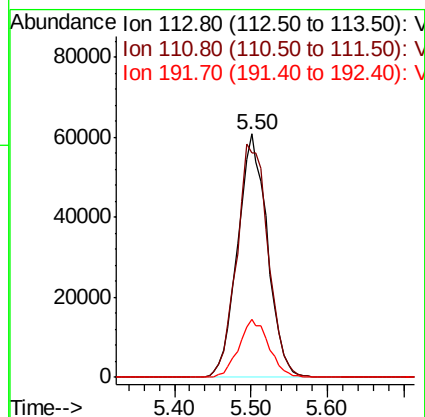
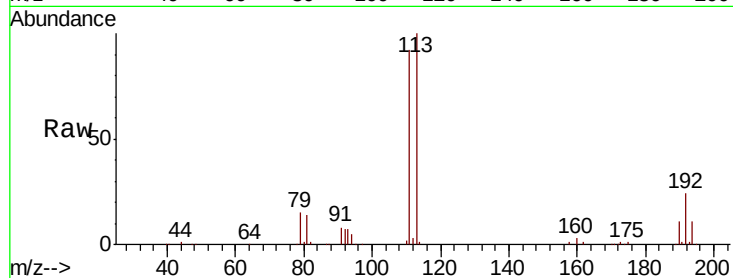




#35
 Dibromofluoromethane
 Concen: 45.90 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004546.D
 Acq: 14 Sep 2018 18:00

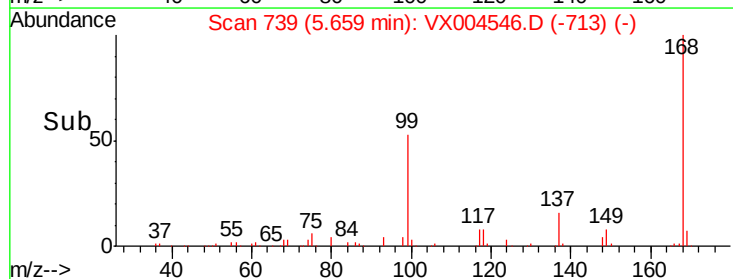
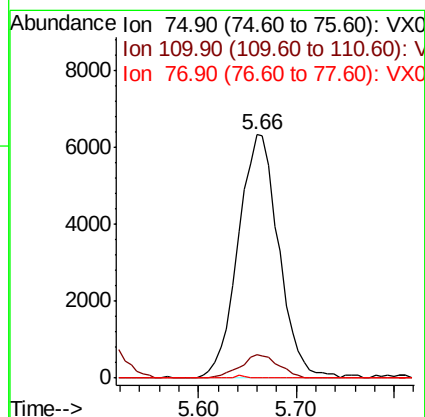
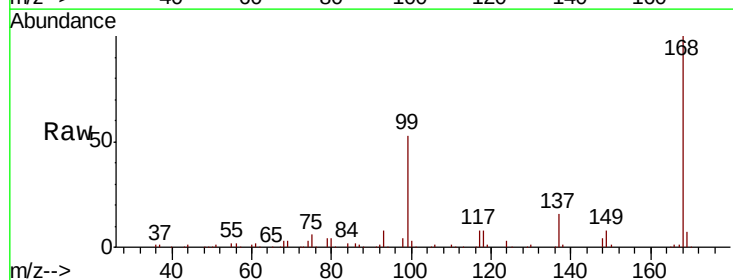
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-AOC22-MW09-20180911

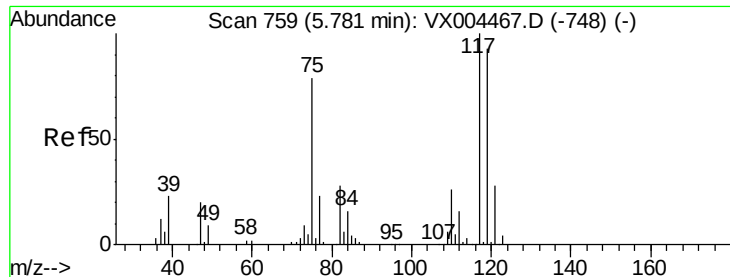
Tot Ion:113 Resp: 164200
 Ion Ratio Lower Upper
 113 100
 111 100.8 82.4 123.6
 192 23.8 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 3.84 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004546.D
 Acq: 14 Sep 2018 18:00

Tgt Ion: 75 Resp: 18206
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.0 54.0#
 77 0.2 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.22 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX004546.D

Acq: 14 Sep 2018 18:00

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-AOC22-MW09-20180911

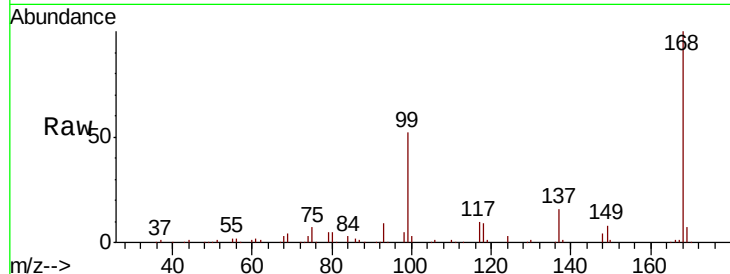
Tot Ion:117 Resp: 24188

Ion Ratio Lower Upper

117 100

119 5.3 78.8 118.2#

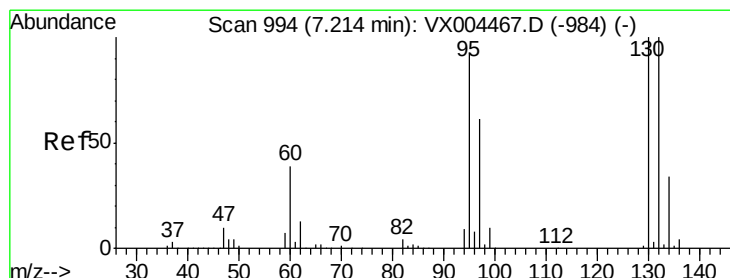
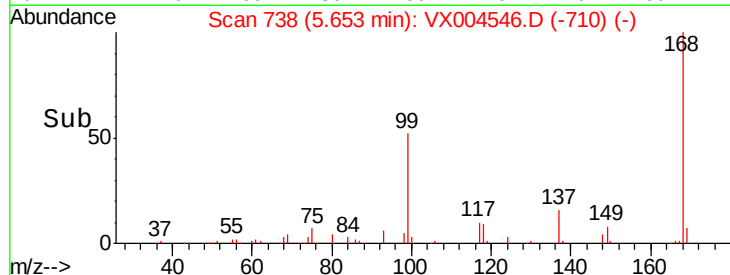
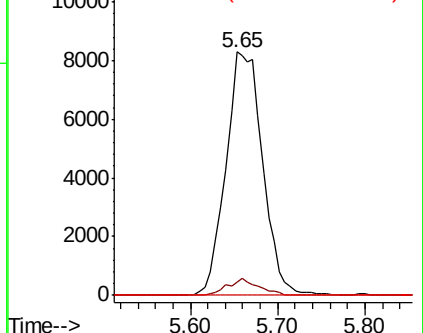
121 0.0 24.9 37.3#



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



#44

Trichloroethene

Concen: 0.49 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX004546.D

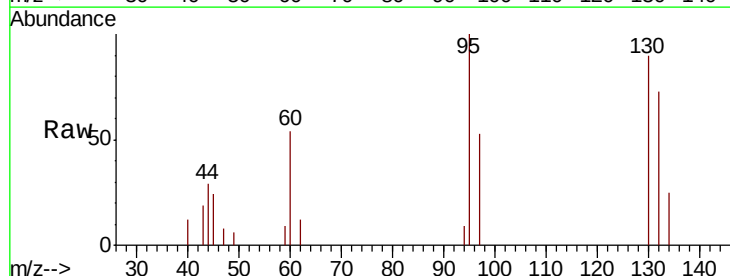
Acq: 14 Sep 2018 18:00

Tgt Ion:130 Resp: 1807

Ion Ratio Lower Upper

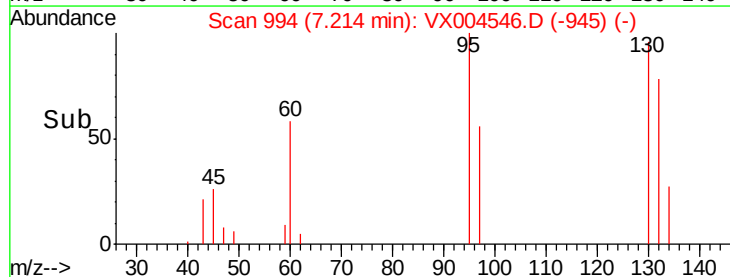
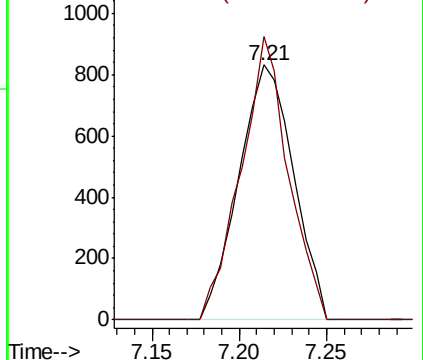
130 100

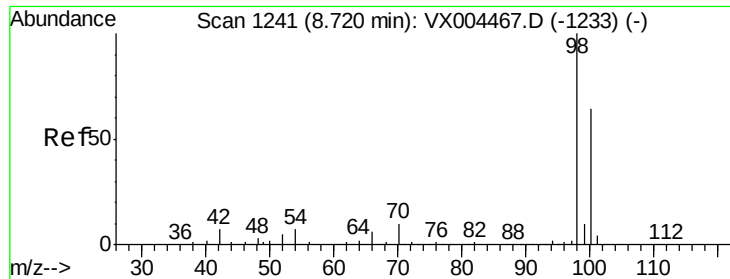
95 110.9 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

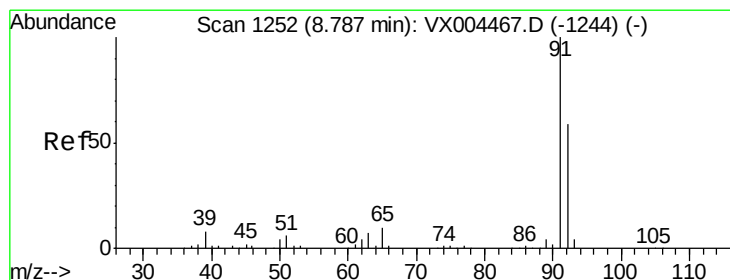
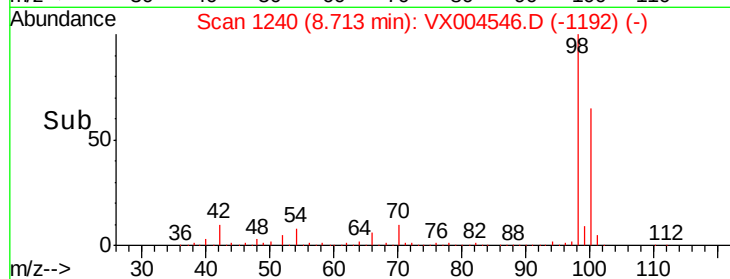
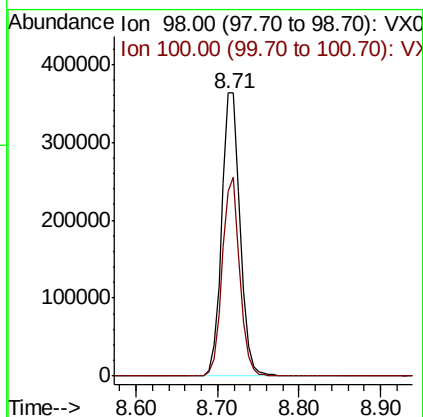
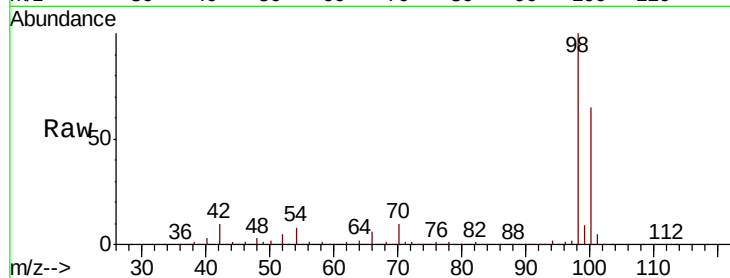




#50
Toluene-d8
Concen: 47.41 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004546.D
Acq: 14 Sep 2018 18:00

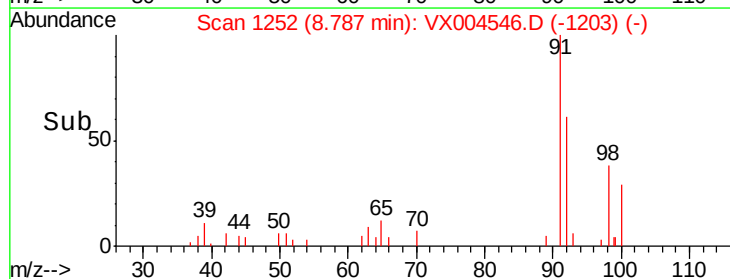
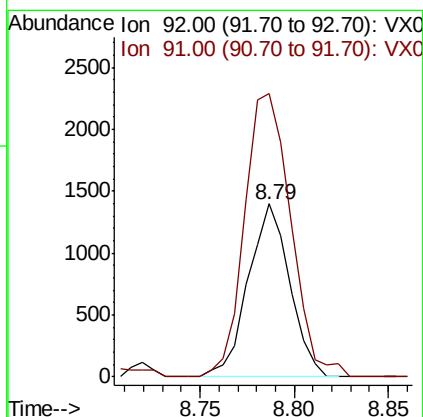
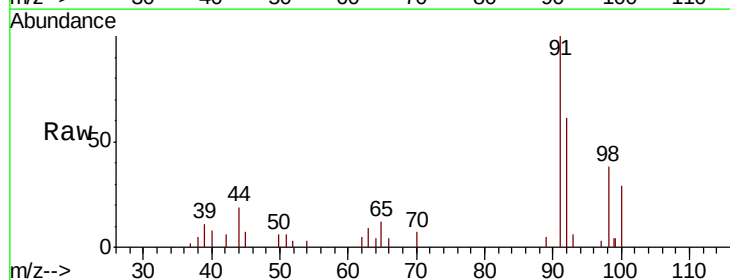
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-AOC22-MW09-20180911

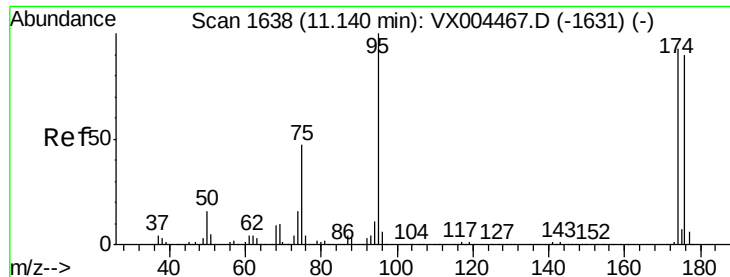
Tot Ion: 98 Resp: 568777
Ion Ratio Lower Upper
98 100
100 66.7 52.9 79.3



#52
Toluene
Concen: 0.26 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX004546.D
Acq: 14 Sep 2018 18:00

Tgt Ion: 92 Resp: 2128
Ion Ratio Lower Upper
92 100
91 182.9 136.4 204.6

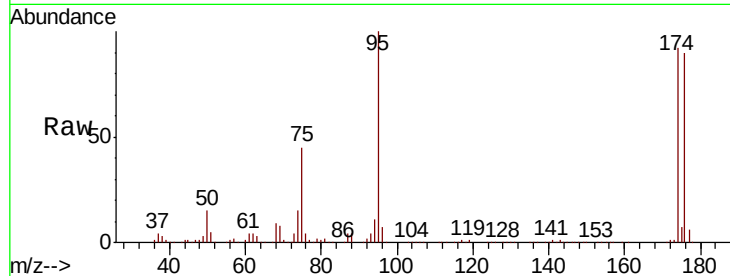




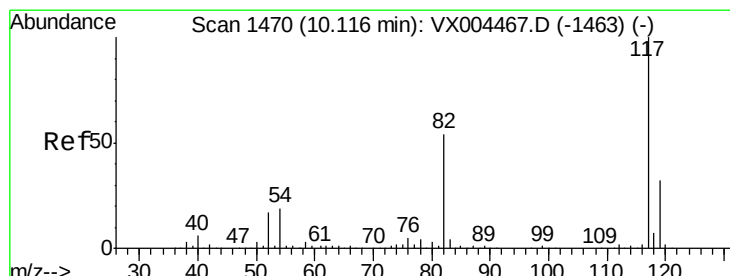
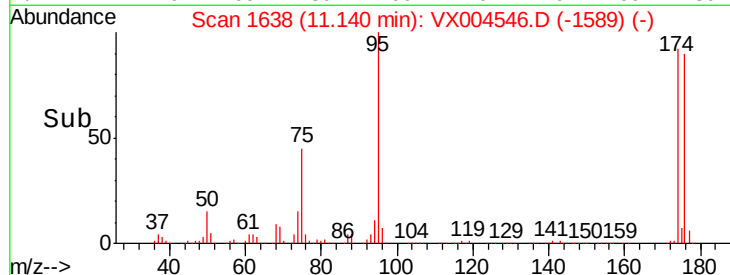
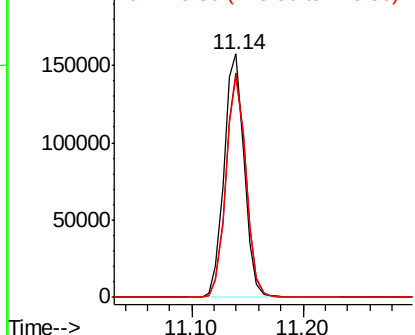
#62
4-Bromofluorobenzene
Concen: 45.93 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004546.D
Acq: 14 Sep 2018 18:00

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-AOC22-MW09-20180911

Tot Ion: 95 Resp: 196694
Ion Ratio Lower Upper
95 100
174 91.6 0.0 185.2
176 90.0 0.0 178.6

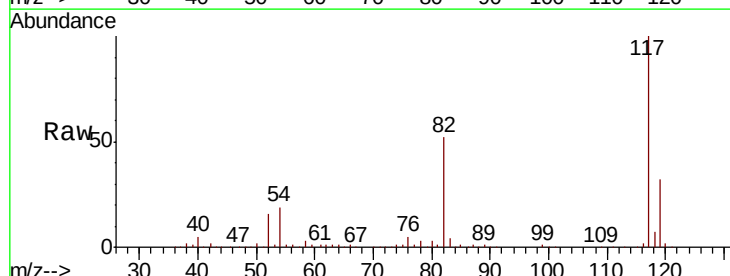


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

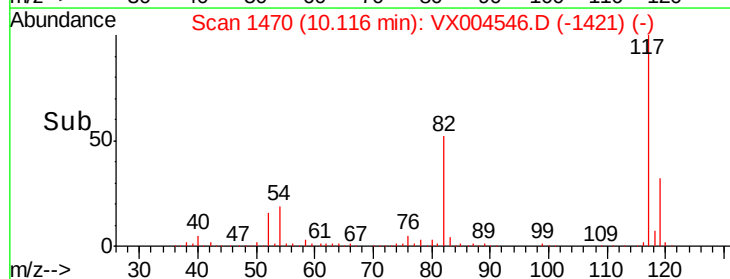
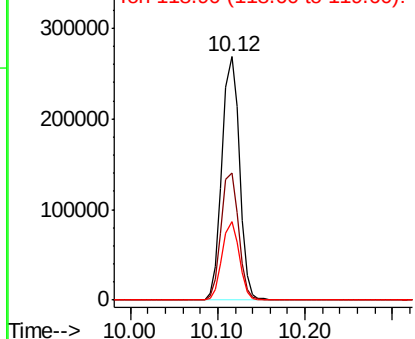


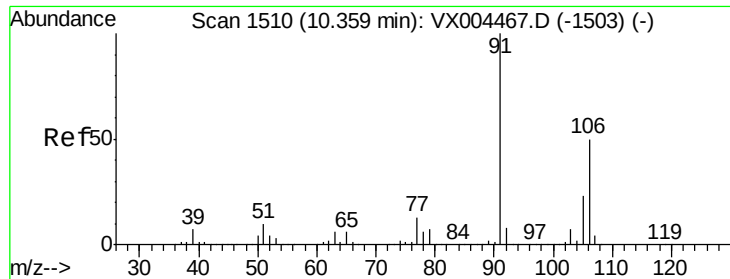
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004546.D
Acq: 14 Sep 2018 18:00

Tgt Ion: 117 Resp: 371685
Ion Ratio Lower Upper
117 100
82 52.5 47.8 71.6
119 32.0 29.3 43.9



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





#68

m/p-Xvlenes

Concen: 0.53 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX004546.D

Acq: 14 Sep 2018 18:00

Instrument :

MSVOA_X

ClientSampleId :

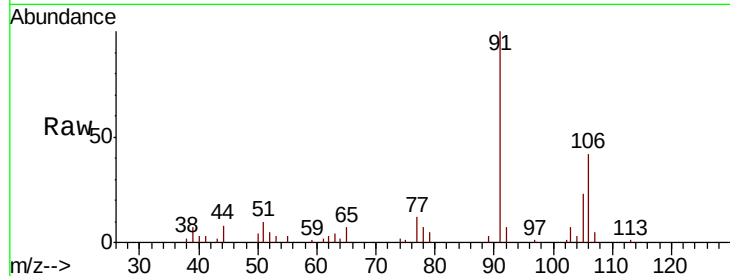
BP-TT-AOC22-MW09-20180911

Tot Ion:106 Resp: 3064

Ion Ratio Lower Upper

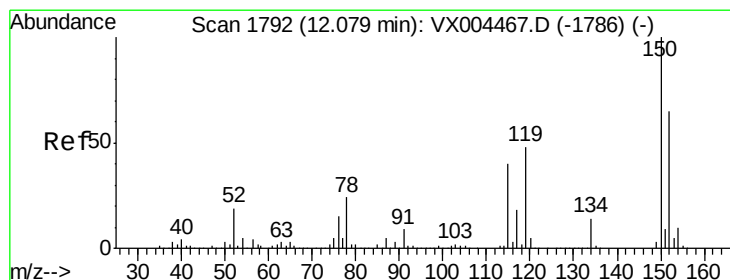
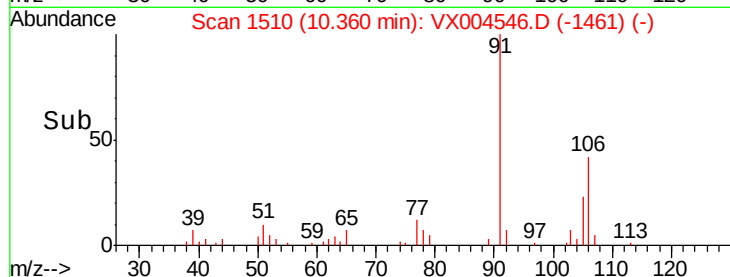
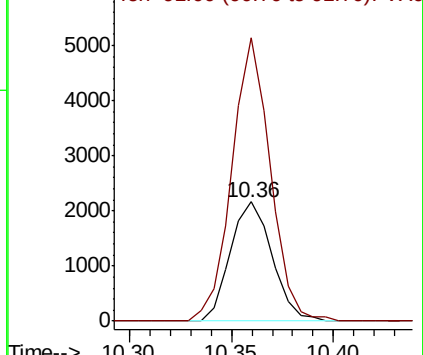
106 100

91 218.7 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004546.D

Acq: 14 Sep 2018 18:00

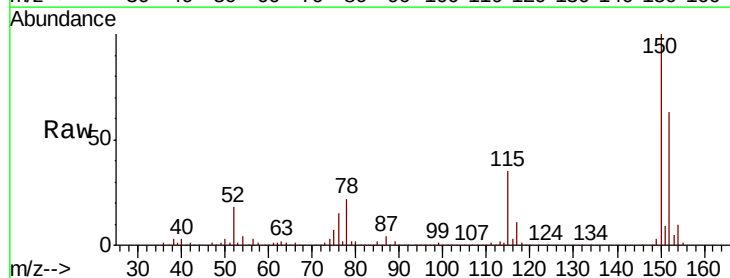
Tgt Ion:152 Resp: 205892

Ion Ratio Lower Upper

152 100

115 54.7 39.0 117.0

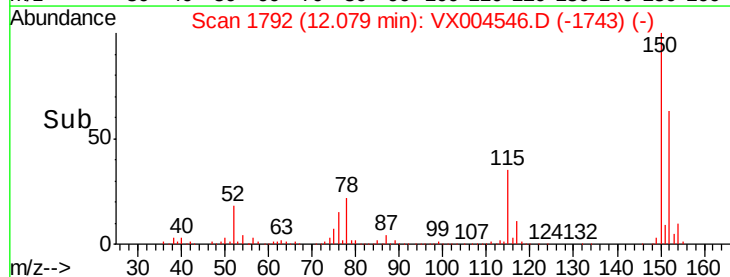
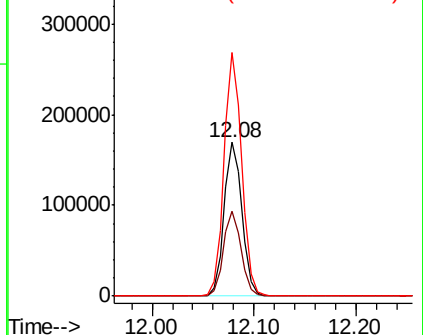
150 156.9 0.0 351.0

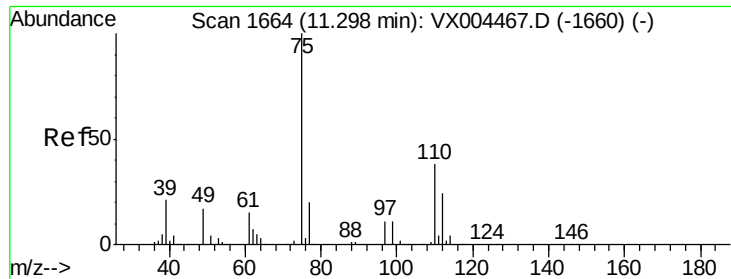


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.23 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004546.D

Acq: 14 Sep 2018 18:00

Instrument :

MSVOA_X

ClientSampleId :

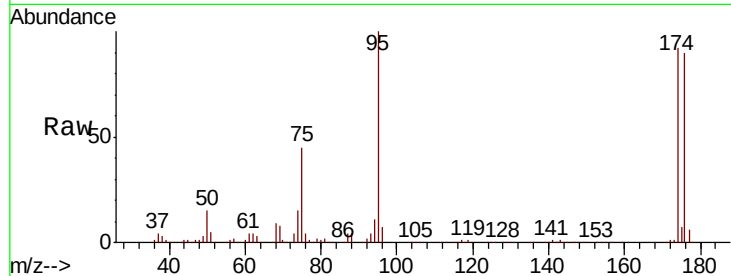
BP-TT-AOC22-MW09-20180911

Tot Ion: 75 Resp: 92095

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

80000

60000

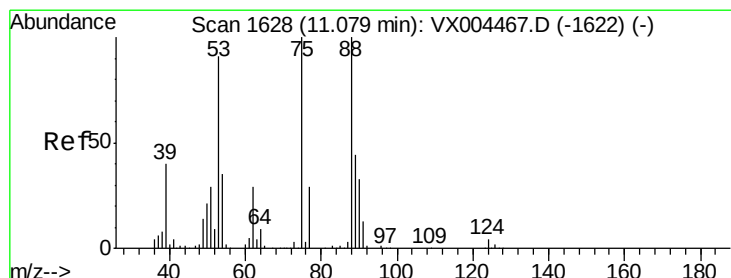
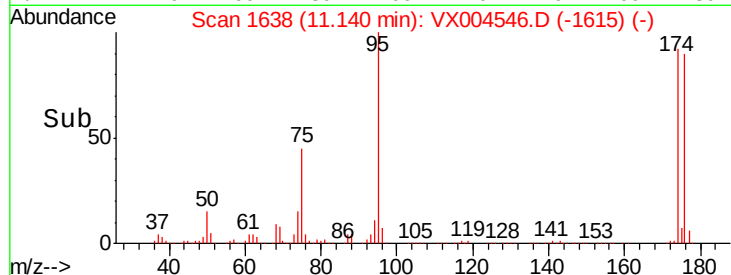
40000

20000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 70.87 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004546.D

Acq: 14 Sep 2018 18:00

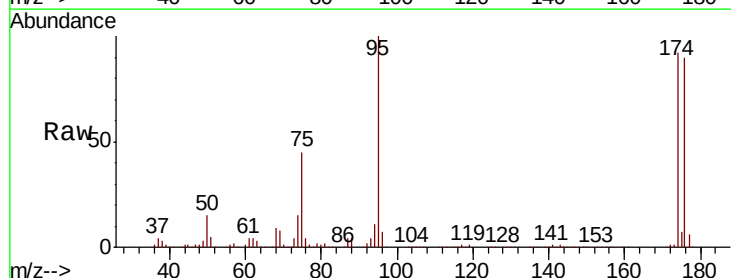
Tgt Ion: 75 Resp: 92095

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 37.2 55.8#



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

11.14

80000

60000

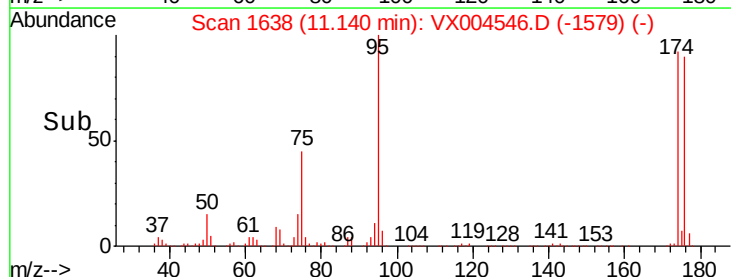
40000

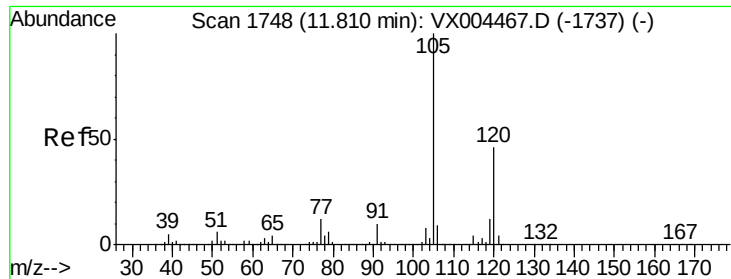
20000

0

Time-->

11.10 11.20

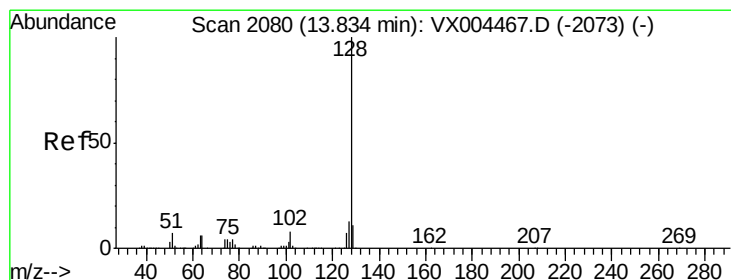
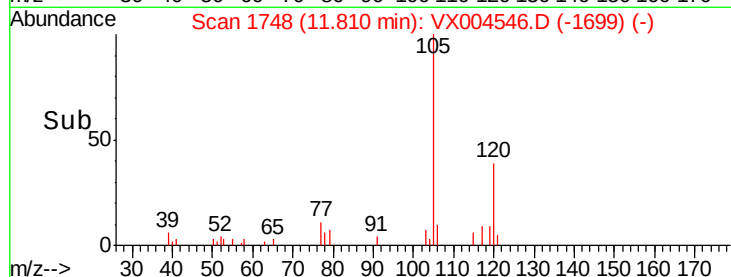
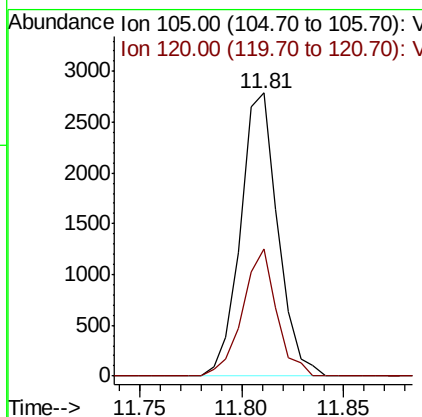
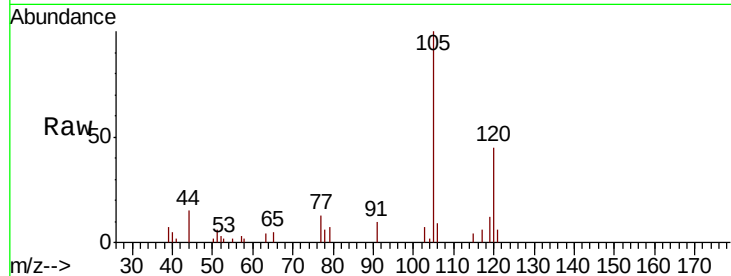




#84
 1,2,4-Trimethylbenzene
 Concen: 0.30 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004546.D
 Acq: 14 Sep 2018 18:00

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-AOC22-MW09-20180911

Tot Ion:105 Resp: 3538
 Ion Ratio Lower Upper
 105 100
 120 41.2 23.2 69.6



#95
 Naphthalene
 Concen: 3.16 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX004546.D
 Acq: 14 Sep 2018 18:00

Tgt Ion:128 Resp: 44377
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.2 15.2
 129 10.9 8.6 12.8

