

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010646.D
 Acq On : 03 Jul 2019 17:35
 Operator : JC/SP
 Sample : K3662-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW202D-GW-20190702

Quant Time: Jul 04 04:37:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	240507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	374446	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	338437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152920	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	118874	52.72	ug/l	0.00
Spiked Amount			Recovery	=	105.44%	
35) Dibromofluoromethane	5.50	113	112951	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
50) Toluene-d8	8.71	98	444125	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	
62) 4-Bromofluorobenzene	11.13	95	148324	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	

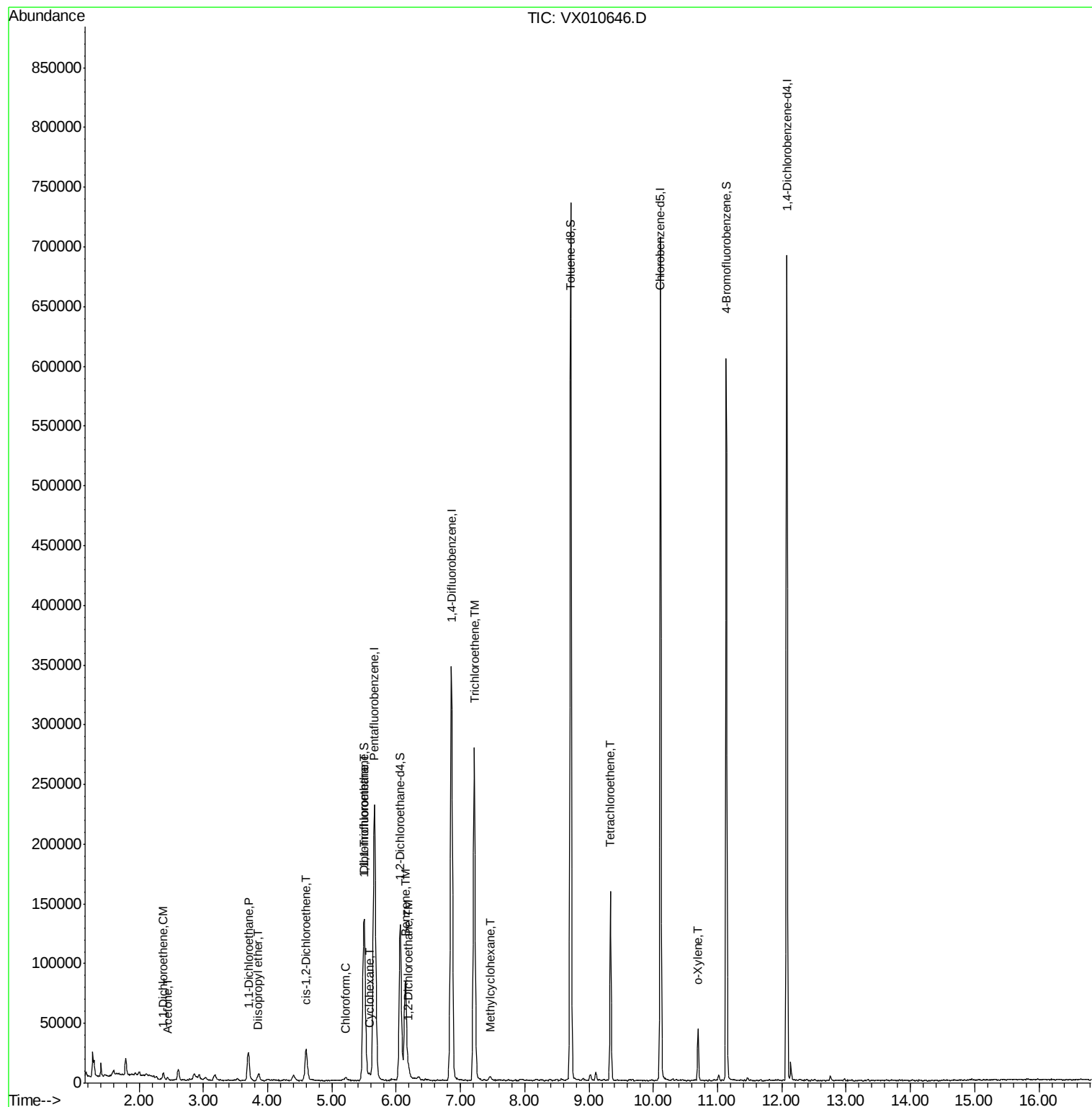
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.37	96	2280	1.094	ug/l	98
16) Acetone	2.45	43	2115	1.871	ug/l #	81
22) Diisopropyl ether	3.86	45	6683	1.080	ug/l #	71
24) 1,1-Dichloroethane	3.70	63	26037	7.279	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	18302	7.064	ug/l	90
30) Chloroform	5.22	83	2698	0.701	ug/l #	83
31) Cyclohexane	5.58	56	3391	1.041	ug/l #	81
32) 1,1,1-Trichloroethane	5.49	97	2691	0.792	ug/l #	40
39) Methylcyclohexane	7.46	83	1472	0.376	ug/l #	92
40) Benzene	6.15	78	102583	11.066	ug/l	97
42) 1,2-Dichloroethane	6.20	62	11450	4.058	ug/l	100
44) Trichloroethene	7.21	130	110802	39.944	ug/l	94
64) Tetrachloroethene	9.34	164	31296	11.433	ug/l	98
69) o-Xylene	10.69	106	9671	2.188	ug/l	94

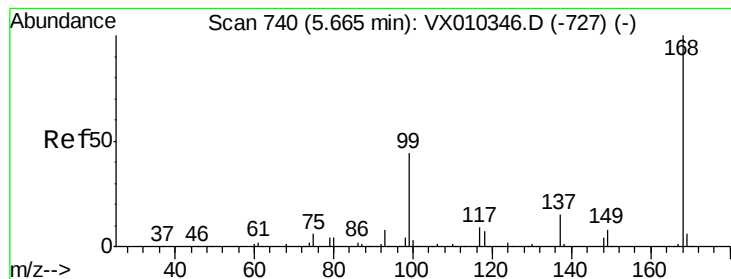
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010646.D

Acq: 03 Jul 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

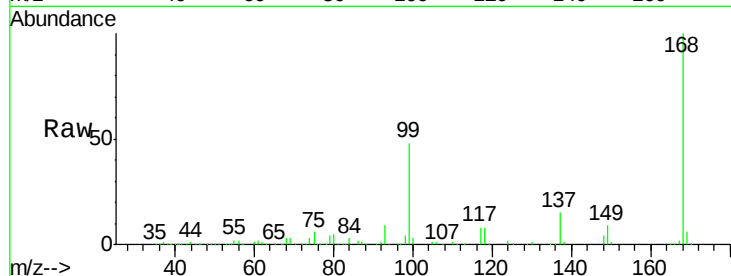
BP-TT-MW202D-GW-20190702

Tot Ion:168 Resp: 240507

Ion Ratio Lower Upper

168 100

99 48.0 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

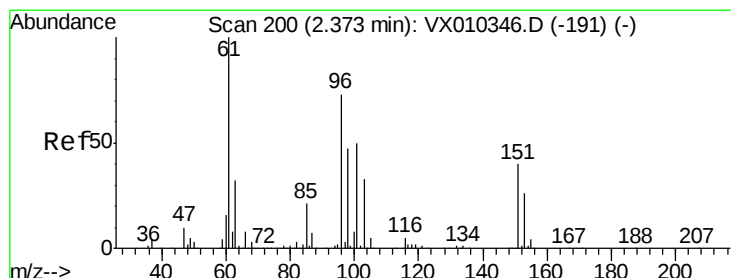
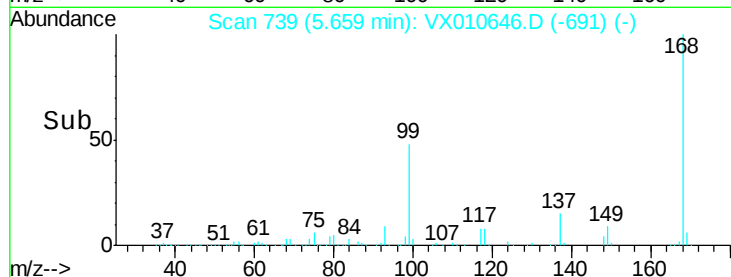
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#12

1,1-Dichloroethene

Concen: 1.094 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX010646.D

Acq: 03 Jul 2019 17:35

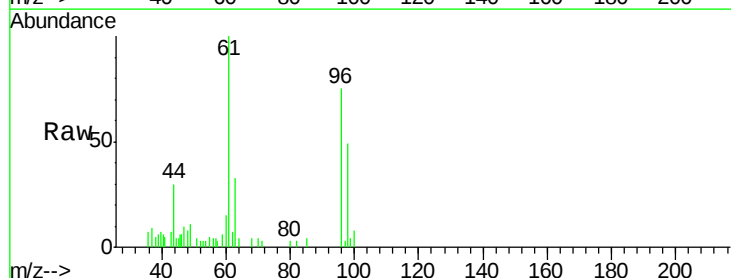
Tgt Ion: 96 Resp: 2280

Ion Ratio Lower Upper

96 100

61 133.4 109.2 163.8

98 65.4 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

2500

2000

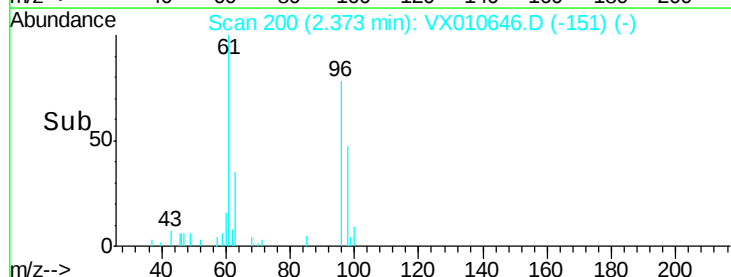
1500

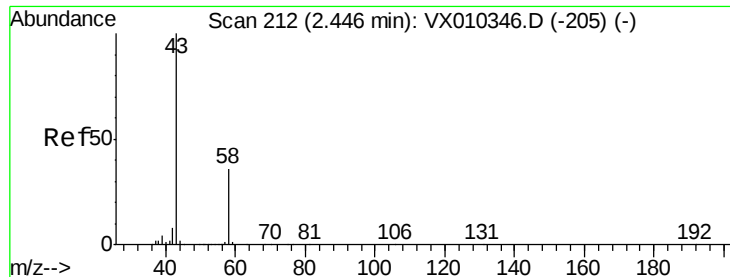
1000

500

0

Time--> 2.30 2.35 2.40





#16

Acetone

Concen: 1.871 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010646.D

Acq: 03 Jul 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

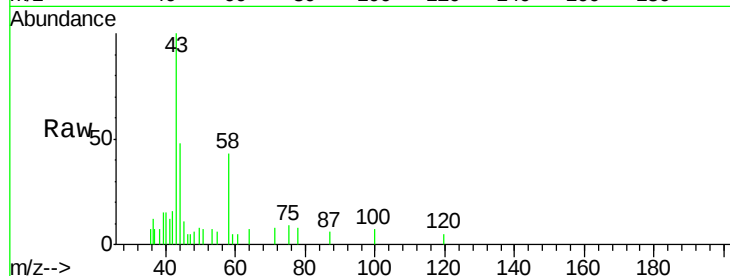
BP-TT-MW202D-GW-20190702

Tot Ion: 43 Resp: 2115

Ion Ratio Lower Upper

43 100

58 47.3 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

1200

1000

800

600

400

200

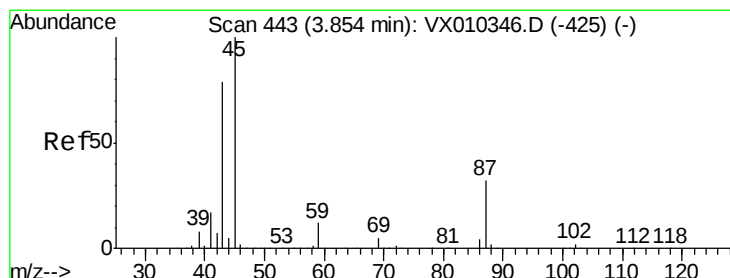
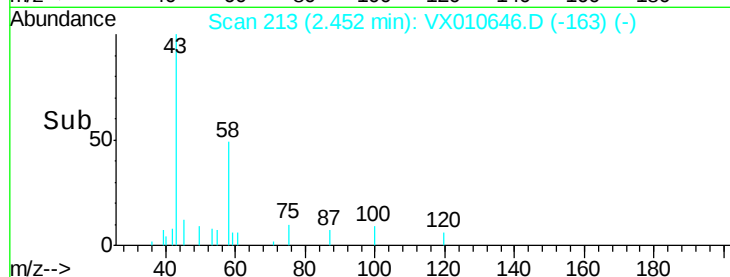
0

Time-->

2.40

2.45

2.50



#22

Diisopropyl ether

Concen: 1.080 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX010646.D

Acq: 03 Jul 2019 17:35

Tgt Ion: 45 Resp: 6683

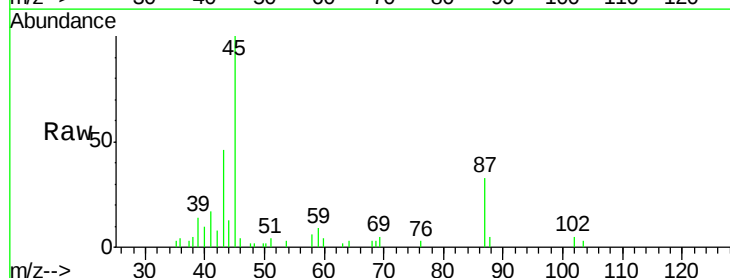
Ion Ratio Lower Upper

45 100

43 40.8 63.3 94.9#

87 32.7 25.8 38.8

59 8.7 9.6 14.4#



Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0

3.86

3000

2000

1000

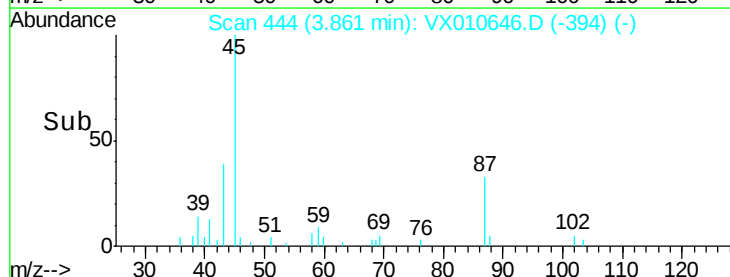
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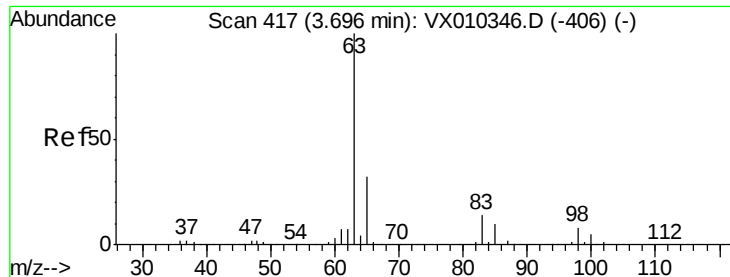
Time-->

3.70

3.80

3.90

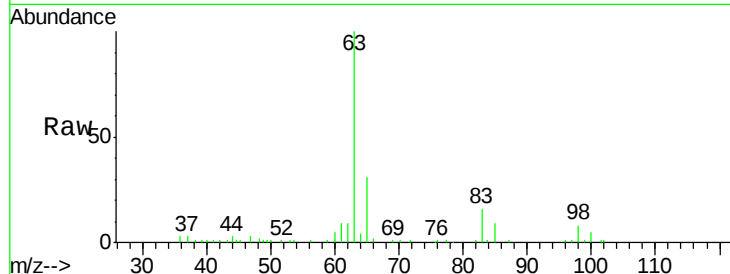




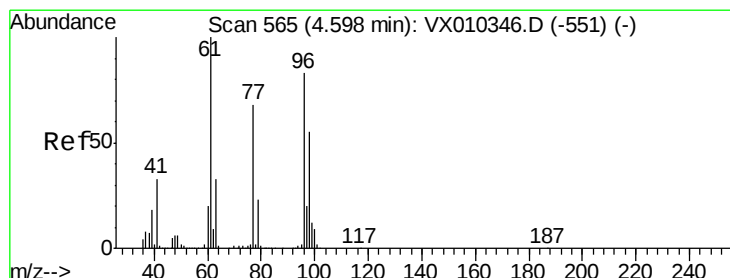
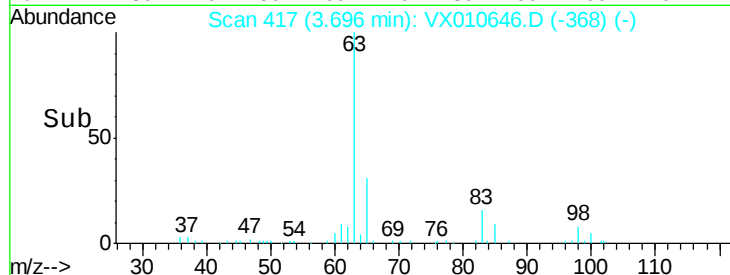
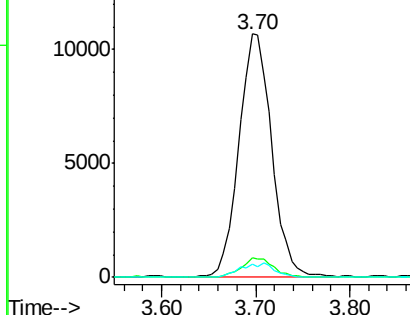
#24
 1,1-Dichloroethane
 Concen: 7.279 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX010646.D
 Acq: 03 Jul 2019 17:35

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW202D-GW-20190702

Tot Ion	63	Resp	26037
Ion Ratio	Lower	Upper	
63	100		
98	7.8	3.9	11.7
100	5.2	2.4	7.1

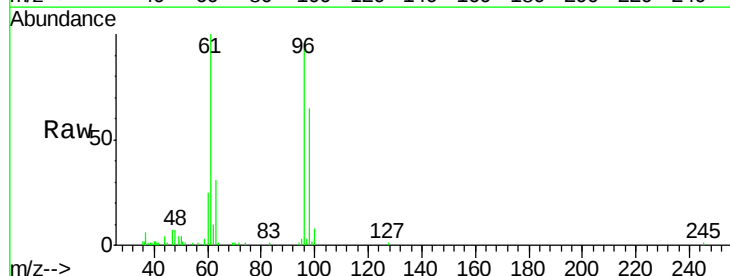


Abundance Ion 62.90 (62.60 to 63.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0
 Ion 99.90 (99.60 to 100.60): VX0

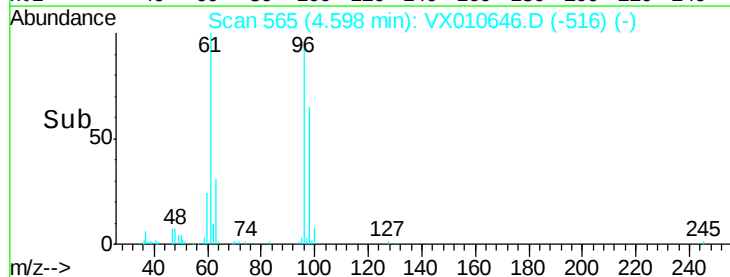
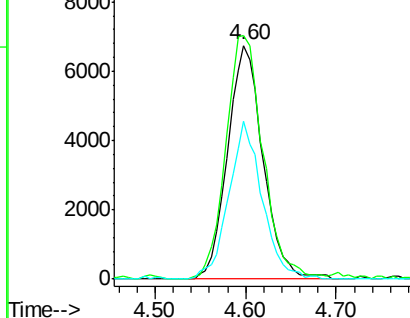


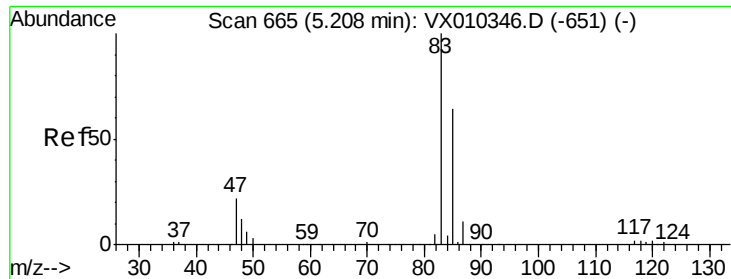
#27
 cis-1,2-Dichloroethene
 Concen: 7.064 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010646.D
 Acq: 03 Jul 2019 17:35

Tgt Ion	96	Resp	18302
Ion Ratio	Lower	Upper	
96	100		
61	109.5	0.0	251.8
98	63.8	0.0	129.4



Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0

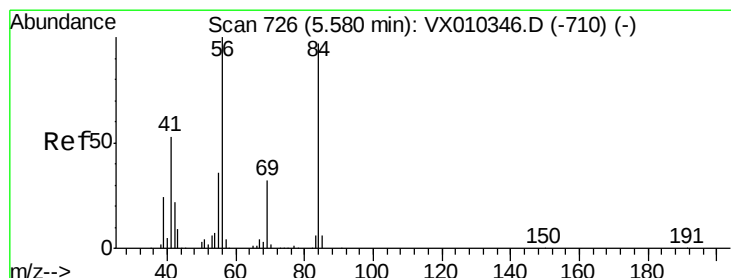
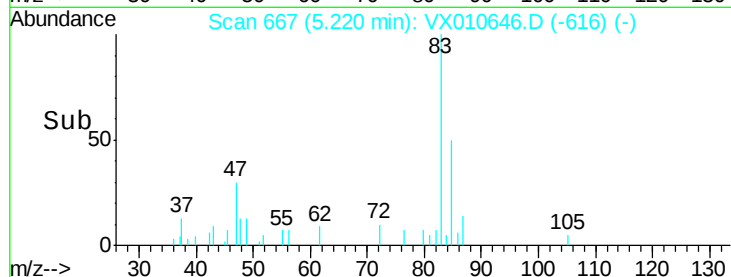
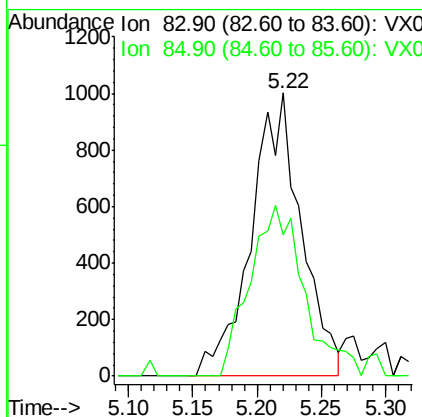
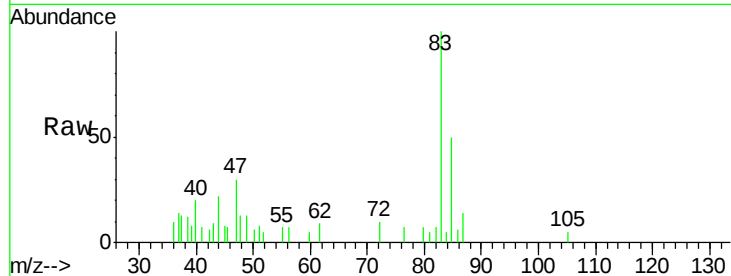




#30
Chloroform
Concen: 0.701 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX010646.D
Acq: 03 Jul 2019 17:35

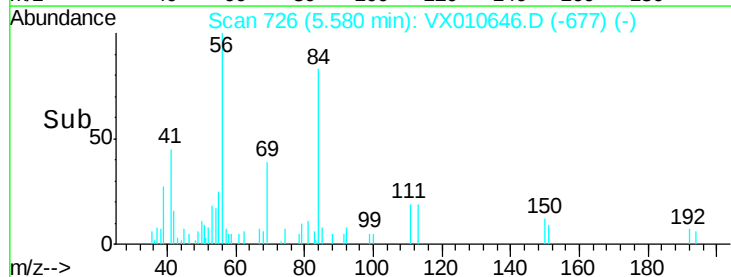
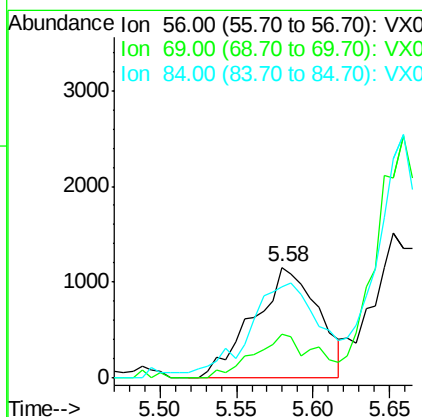
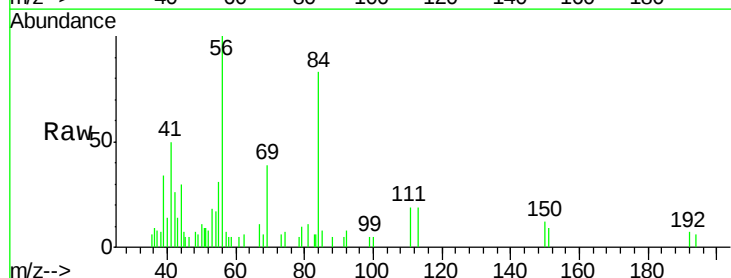
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW202D-GW-20190702

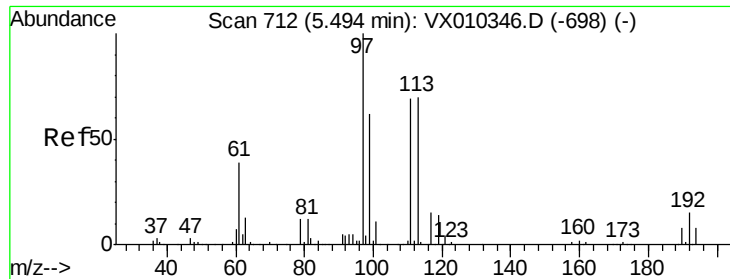
Tot Ion: 83 Resp: 2698
Ion Ratio Lower Upper
83 100
85 50.0 50.9 76.3#



#31
Cyclohexane
Concen: 1.041 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010646.D
Acq: 03 Jul 2019 17:35

Tgt Ion: 56 Resp: 3391
Ion Ratio Lower Upper
56 100
69 39.2 25.9 38.9#
84 77.1 78.0 117.0#





#32

1,1,1-Trichloroethane

Concen: 0.792 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX010646.D

Acq: 03 Jul 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW202D-GW-20190702

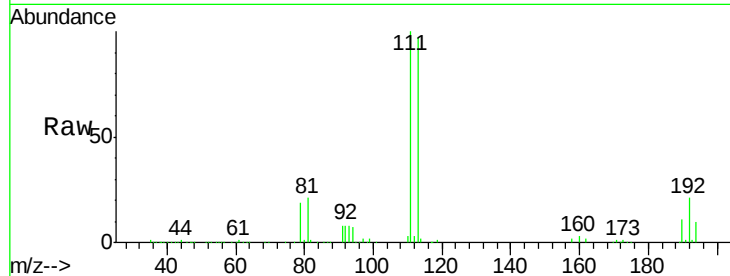
Tot Ion: 97 Resp: 2691

Ion Ratio Lower Upper

97 100

99 0.0 51.8 77.8#

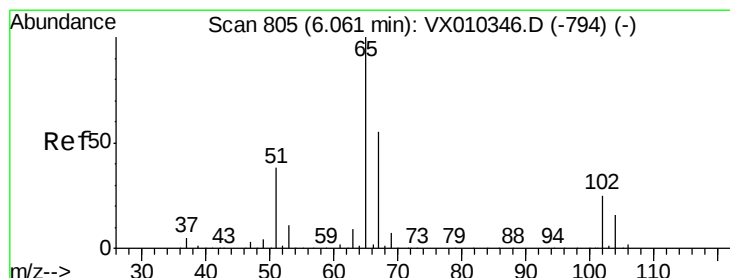
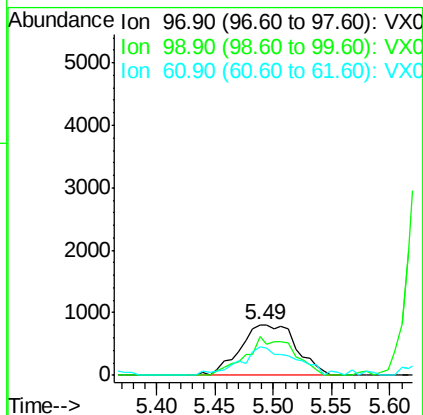
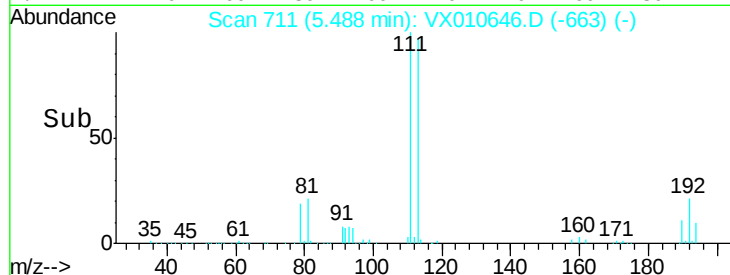
61 54.7 32.1 48.1#



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.716 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010646.D

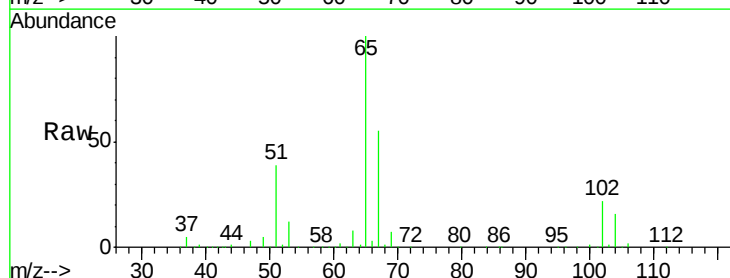
Acq: 03 Jul 2019 17:35

Tgt Ion: 65 Resp: 118874

Ion Ratio Lower Upper

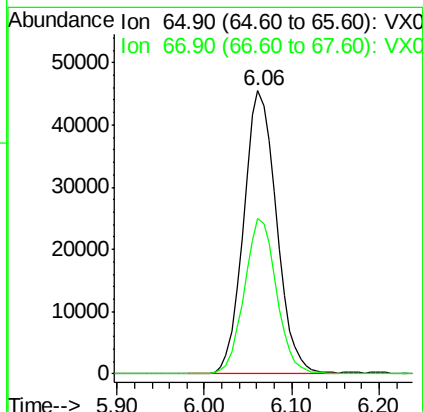
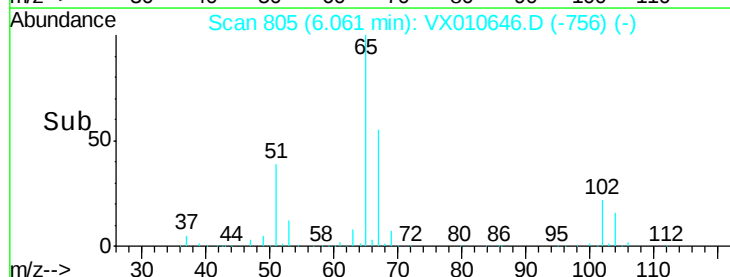
65 100

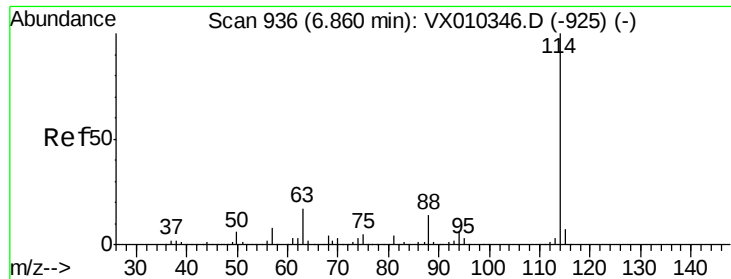
67 53.7 0.0 110.2



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: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010646.D

Acq: 03 Jul 2019 17:35

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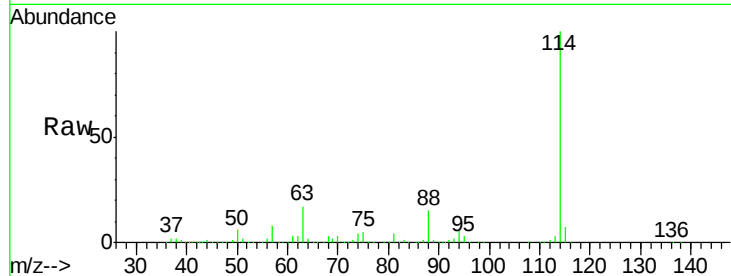
Tot Ion:114 Resp: 374446

Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.8

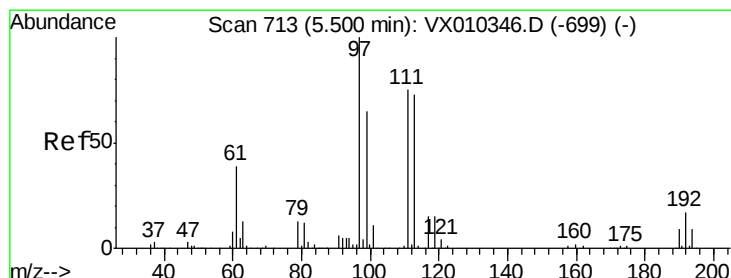
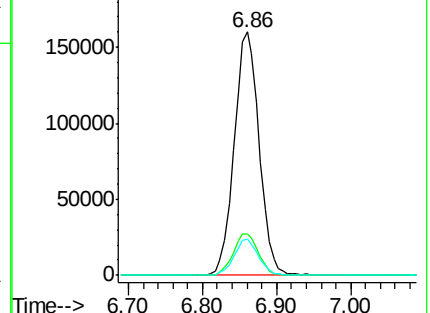
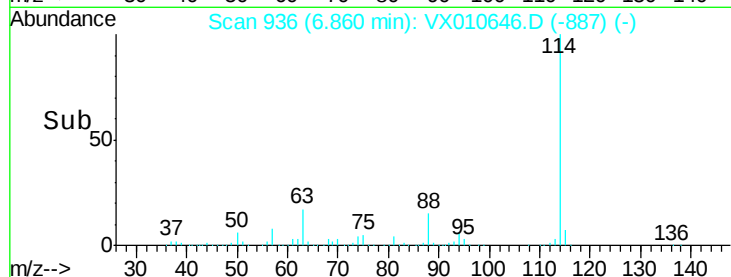
88 14.8 0.0 27.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.302 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010646.D

Acq: 03 Jul 2019 17:35

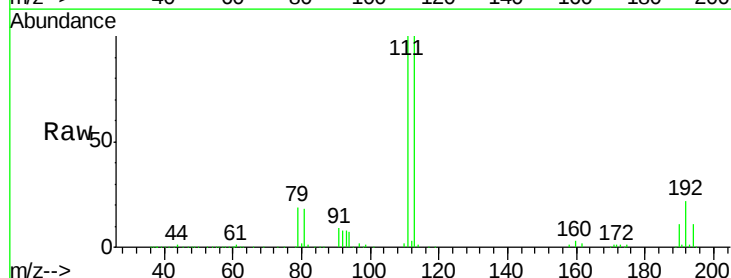
Tgt Ion:113 Resp: 112951

Ion Ratio Lower Upper

113 100

111 103.0 81.2 121.8

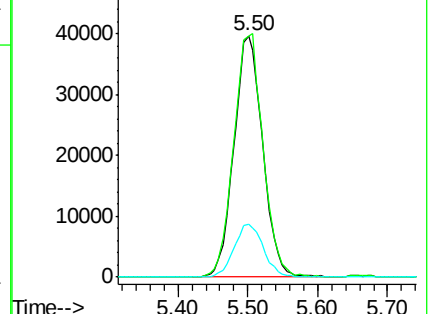
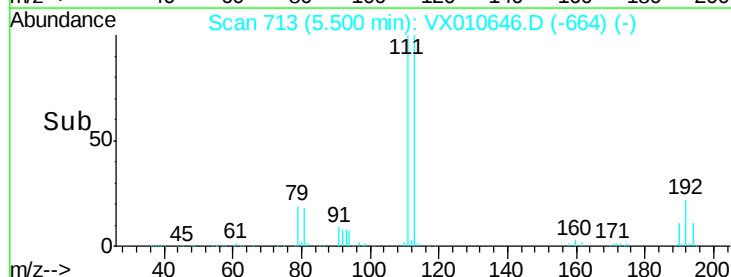
192 22.3 18.6 27.8

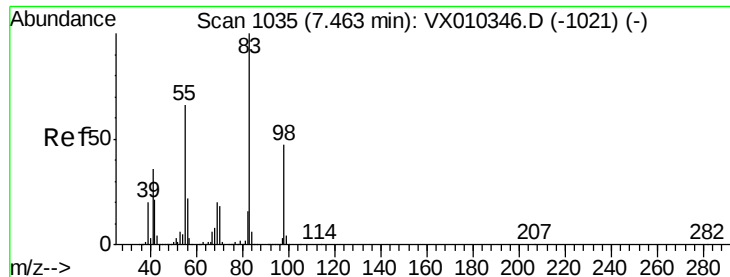


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

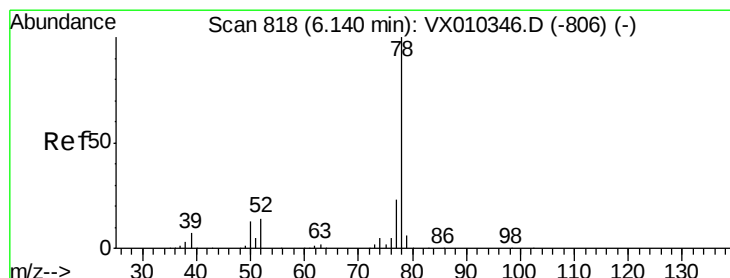
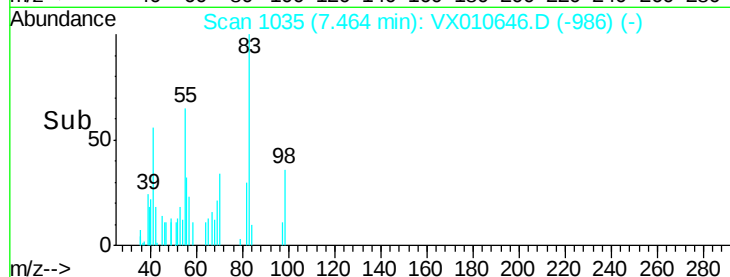
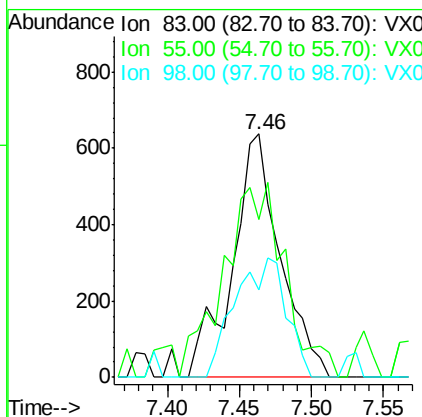
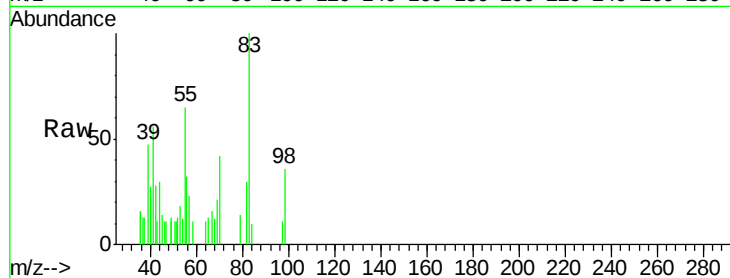




#39
Methvlcvclohexane
Concen: 0.376 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010646.D
Acq: 03 Jul 2019 17:35

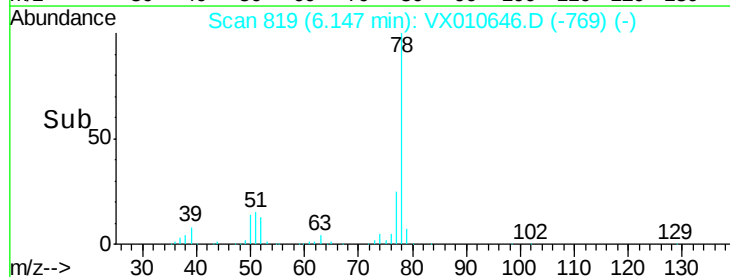
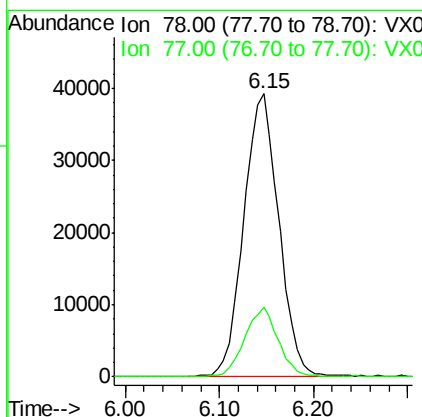
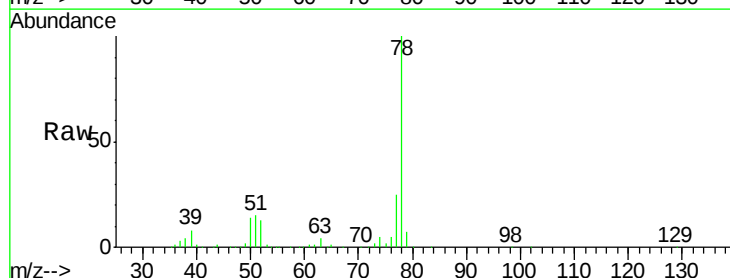
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW202D-GW-20190702

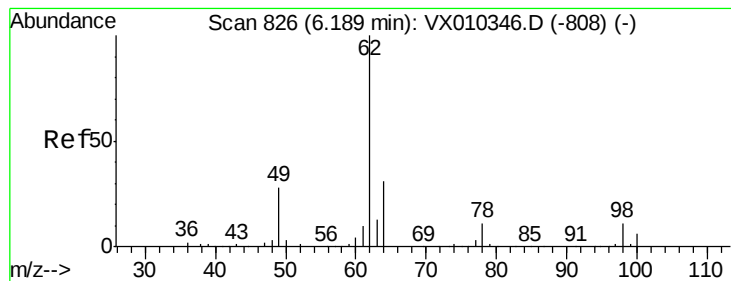
Tot Ion: 83 Resp: 1472
Ion Ratio Lower Upper
83 100
55 65.0 53.0 79.6
98 35.9 37.8 56.8#



#40
Benzene
Concen: 11.066 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010646.D
Acq: 03 Jul 2019 17:35

Tgt Ion: 78 Resp: 102583
Ion Ratio Lower Upper
78 100
77 24.8 18.6 28.0





#42

1,2-Dichloroethane

Concen: 4.058 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX010646.D

Acq: 03 Jul 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

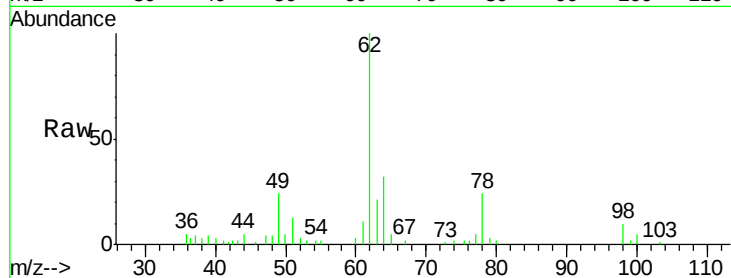
BP-TT-MW202D-GW-20190702

Tot Ion: 62 Resp: 11450

Ion Ratio Lower Upper

62 100

98 11.1 0.0 22.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

5000

4000

3000

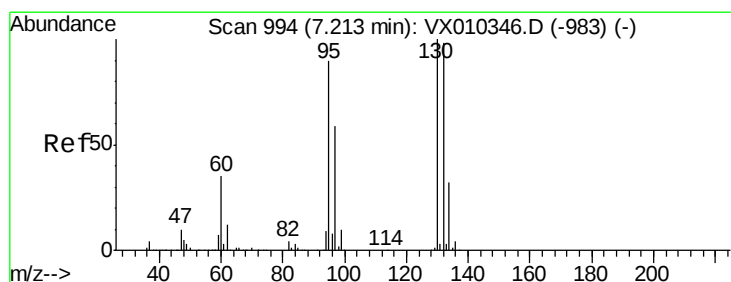
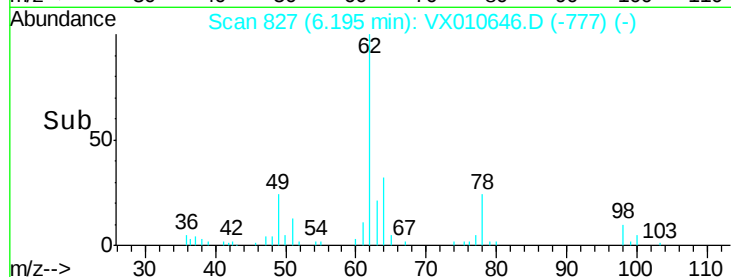
2000

1000

0

6.10 6.20 6.30

Time-->



#44

Trichloroethene

Concen: 39.944 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX010646.D

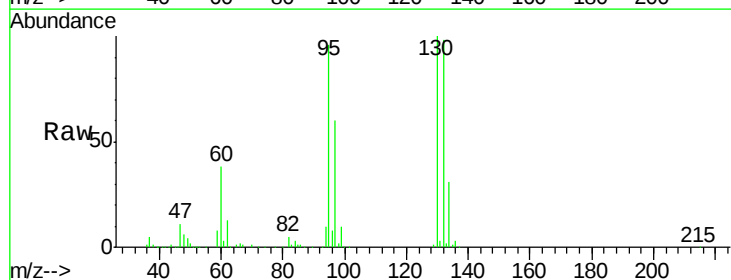
Acq: 03 Jul 2019 17:35

Tgt Ion:130 Resp: 110802

Ion Ratio Lower Upper

130 100

95 95.7 0.0 180.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

60000

50000

40000

30000

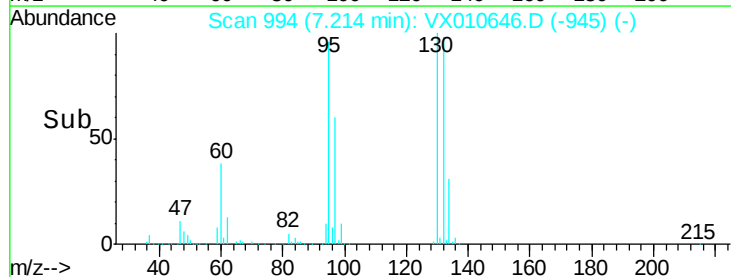
20000

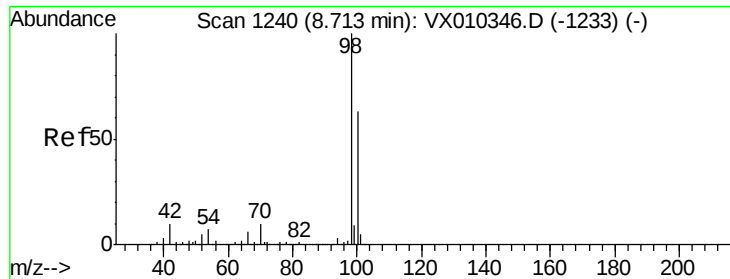
10000

0

7.10 7.20 7.30 7.40

Time-->

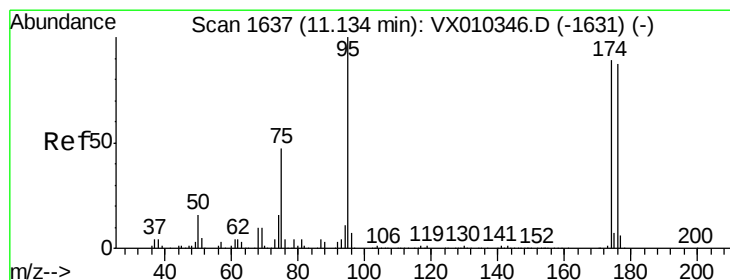
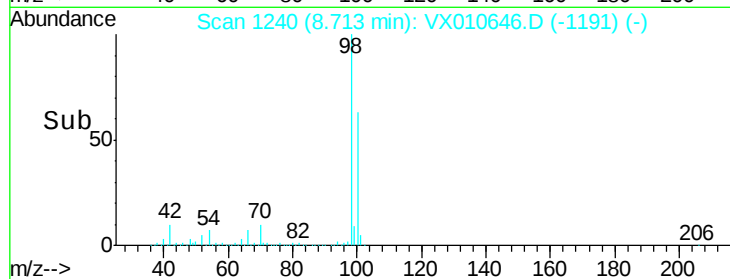
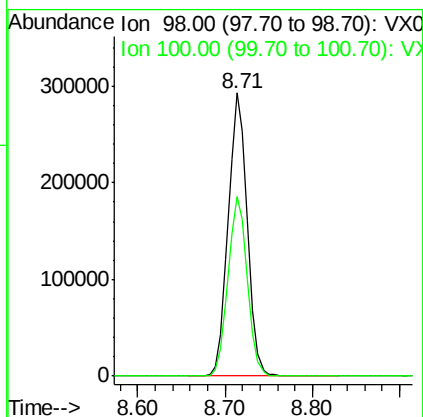
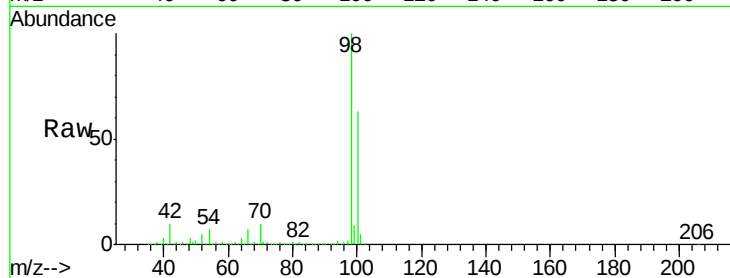




#50
Toluene-d8
Concen: 50.671 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010646.D
Acq: 03 Jul 2019 17:35

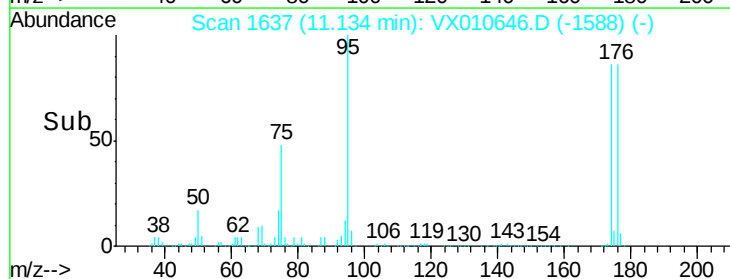
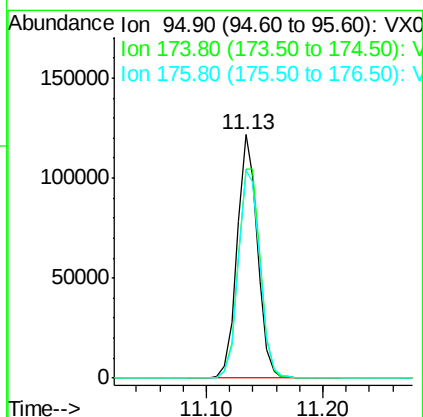
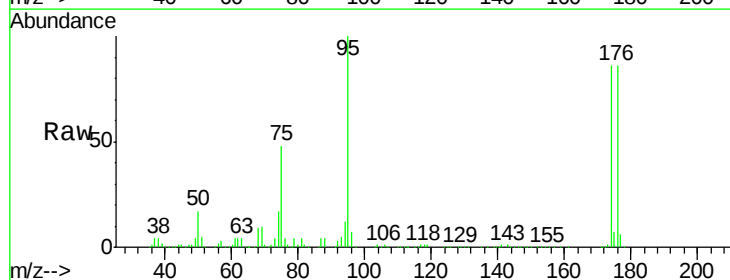
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW202D-GW-20190702

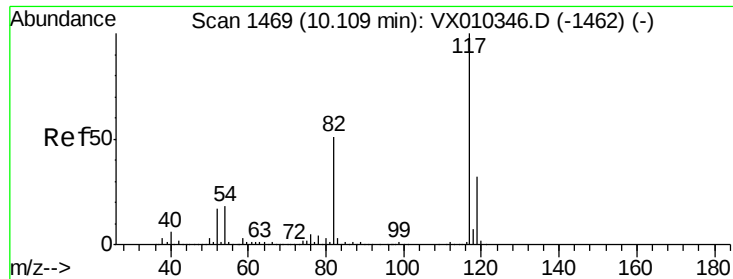
Tot Ion: 98 Resp: 444125
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 46.873 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010646.D
Acq: 03 Jul 2019 17:35

Tgt Ion: 95 Resp: 148324
Ion Ratio Lower Upper
95 100
174 93.4 0.0 187.6
176 90.5 0.0 184.0

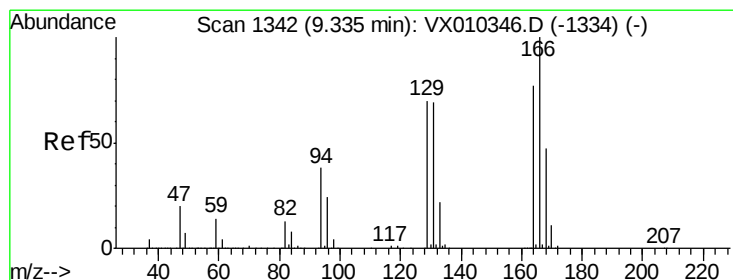
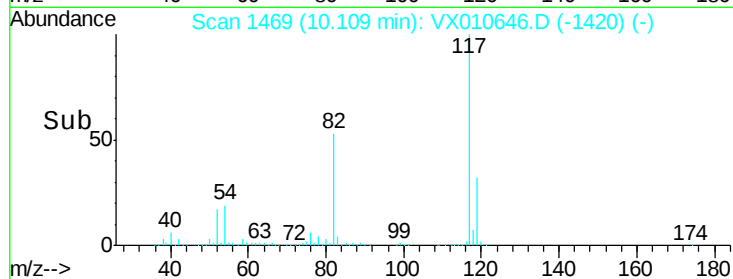
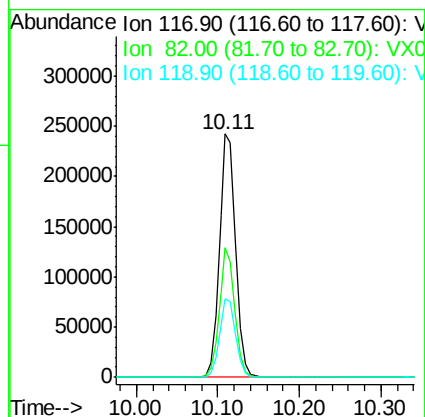
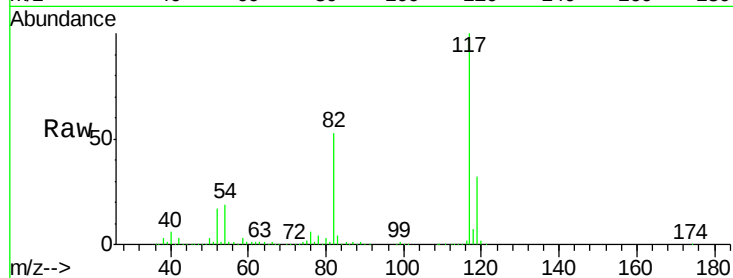




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010646.D
Acq: 03 Jul 2019 17:35

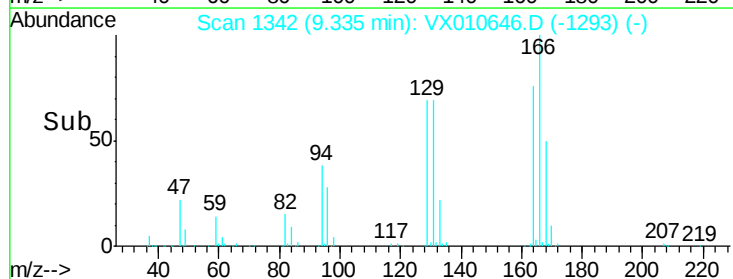
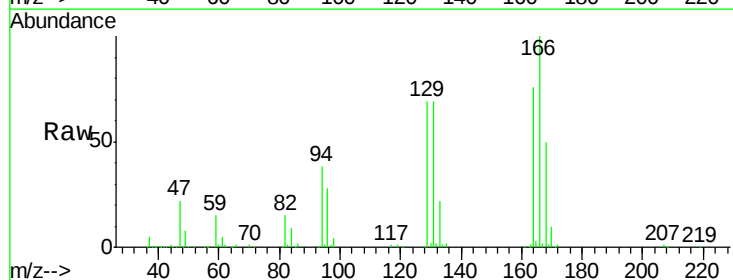
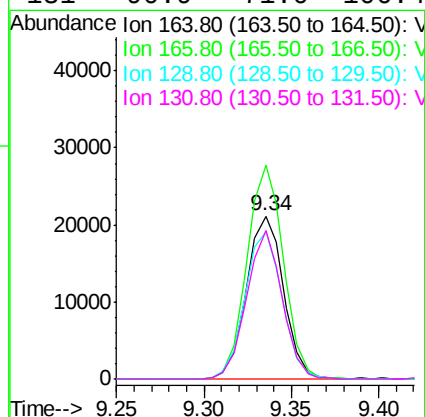
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW202D-GW-20190702

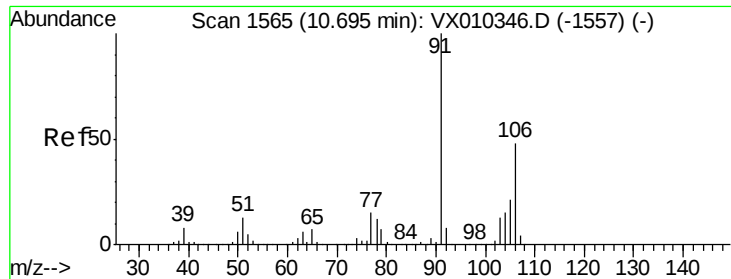
Tot Ion:117 Resp: 338437
Ion Ratio Lower Upper
117 100
82 53.4 41.2 61.8
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 11.433 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010646.D
Acq: 03 Jul 2019 17:35

Tgt Ion:164 Resp: 31296
Ion Ratio Lower Upper
164 100
166 131.3 103.6 155.4
129 90.6 73.0 109.4
131 90.9 71.0 106.4

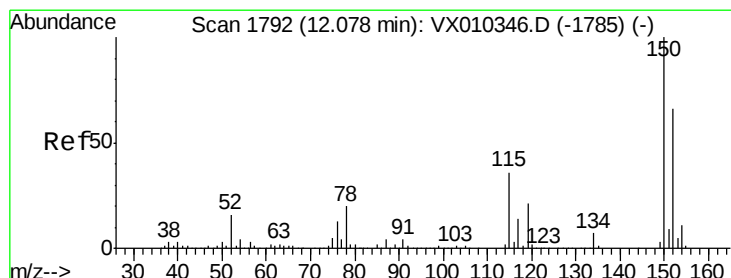
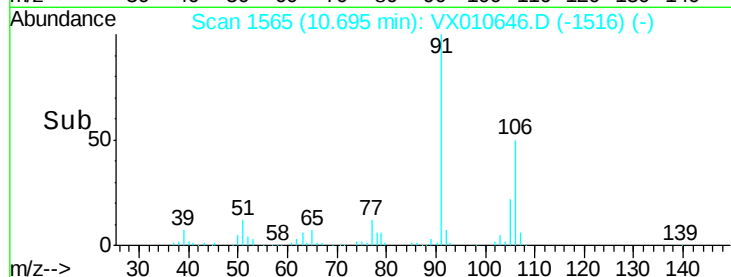
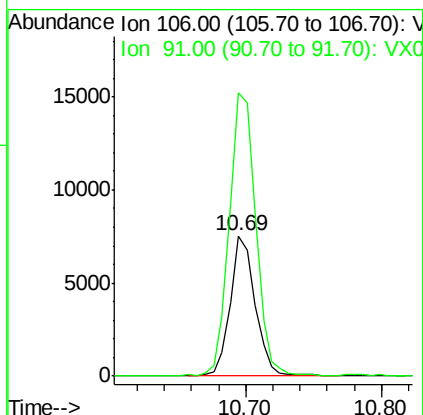
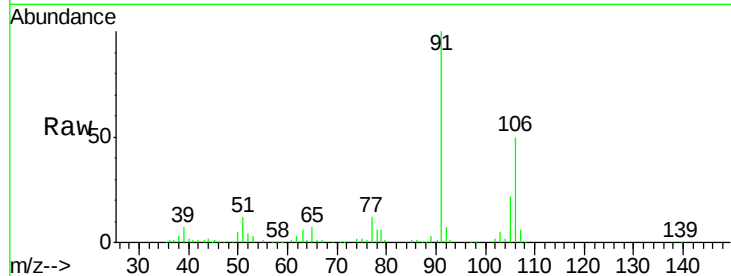




#69
o-Xylene
Concen: 2.188 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010646.D
Acq: 03 Jul 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW202D-GW-20190702

Tot Ion:106 Resp: 9671
Ion Ratio Lower Upper
106 100
91 215.0 102.7 308.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010646.D
Acq: 03 Jul 2019 17:35

Tgt Ion:152 Resp: 152920
Ion Ratio Lower Upper
152 100
115 55.3 38.6 115.7
150 156.9 0.0 347.4

