

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102519\
 Data File : VX013204.D
 Acq On : 24 Oct 2019 12:04
 Operator : JC/SP
 Sample : K5531-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW203D2-GW-20191021

Quant Time: Oct 26 02:06:46 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	77787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	113933	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	113266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	72595	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	83750	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
35) Dibromofluoromethane	5.49	113	63542	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
50) Toluene-d8	8.71	98	237073	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
62) 4-Bromofluorobenzene	11.14	95	89296	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	

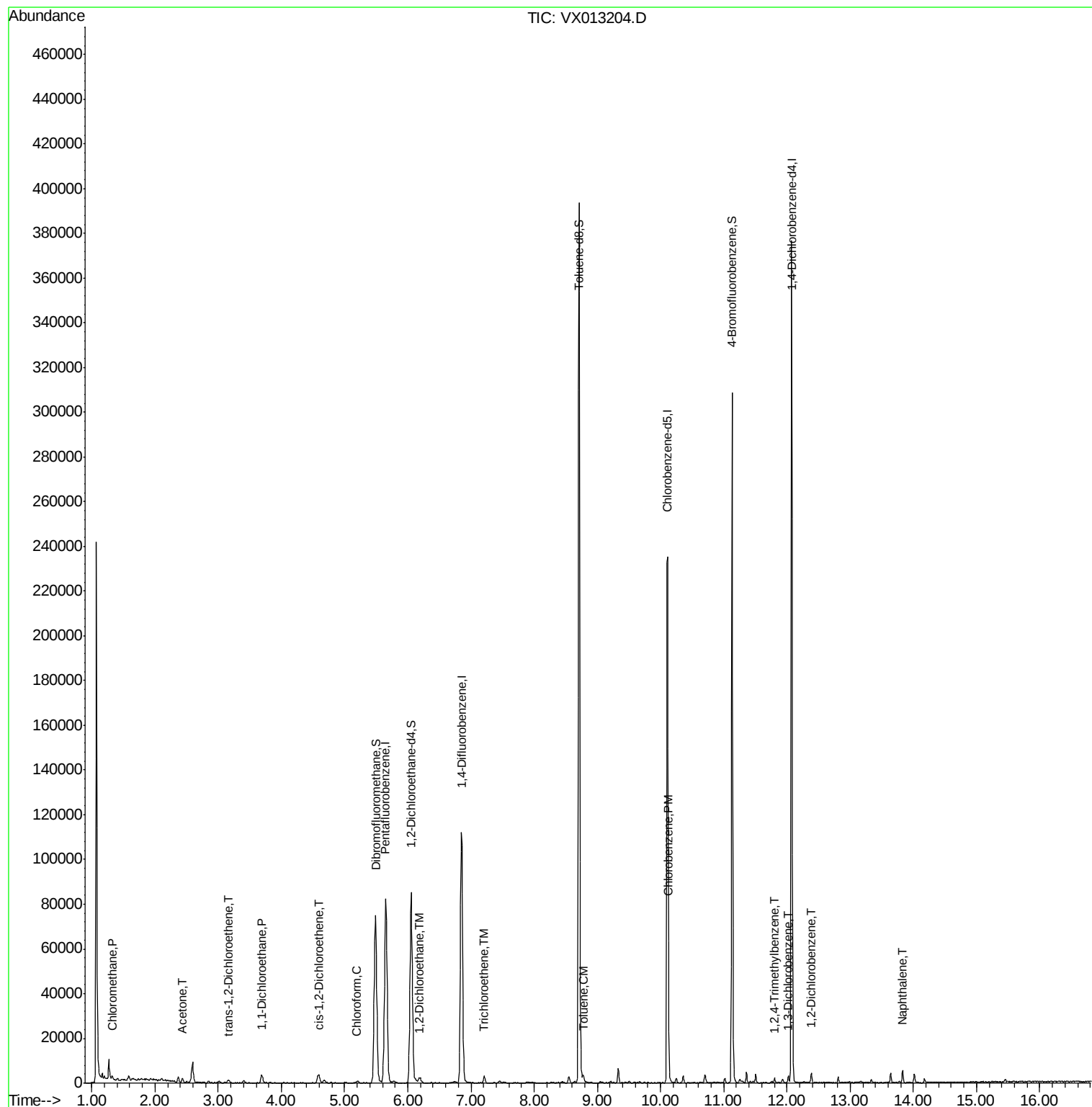
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	858	1.628	ug/l #	84
16) Acetone	2.44	43	2199	2.869	ug/l	90
21) trans-1,2-Dichloroethene	3.17	96	373	0.744	ug/l #	80
24) 1,1-Dichloroethane	3.69	63	4208	1.677	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	2621	1.615	ug/l	83
30) Chloroform	5.20	83	965	0.361	ug/l	85
42) 1,2-Dichloroethane	6.18	62	2674	1.239	ug/l	99
44) Trichloroethene	7.21	130	1243	0.765	ug/l	83
52) Toluene	8.78	92	958	0.253	ug/l	97
65) Chlorobenzene	10.13	112	1191	0.300	ug/l #	80
84) 1,2,4-Trimethylbenzene	11.80	105	1387	0.251	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	1263	0.442	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	988	0.352	ug/l	91
95) Naphthalene	13.83	128	3722	0.686	ug/l	96

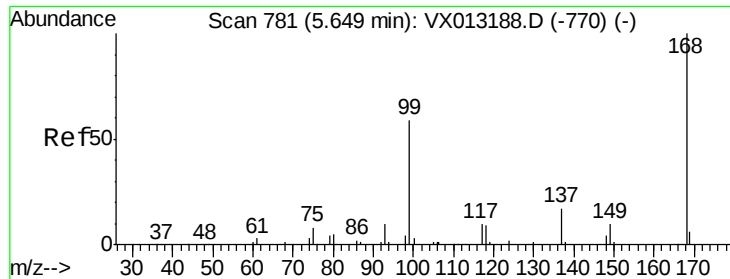
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013204.D

Acq: 24 Oct 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

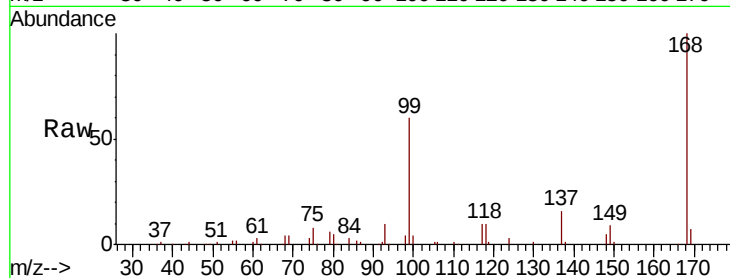
BP-TT-MW203D2-GW-20191021

Tot Ion:168 Resp: 77787

Ion Ratio Lower Upper

168 100

99 60.2 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

30000

25000

20000

15000

10000

5000

0

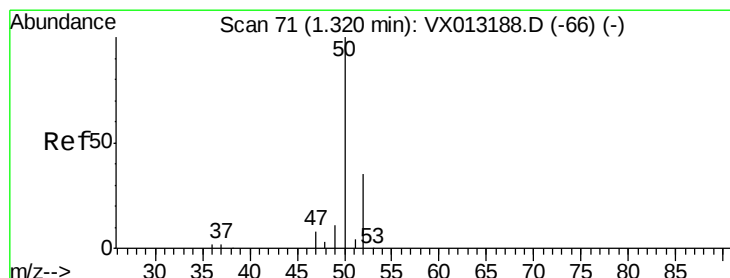
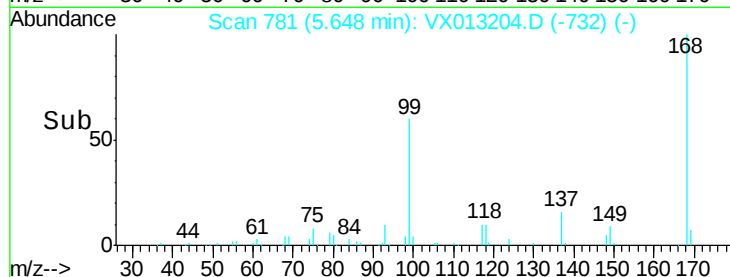
Time-->

5.50

5.60

5.70

5.80



#3

Chloromethane

Concen: 1.628 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013204.D

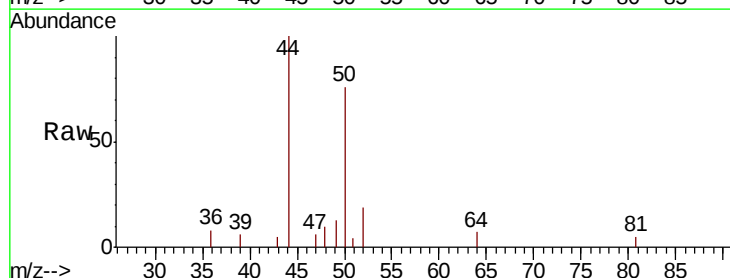
Acq: 24 Oct 2019 12:04

Tgt Ion: 50 Resp: 858

Ion Ratio Lower Upper

50 100

52 25.3 27.8 41.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1200

1000

800

600

400

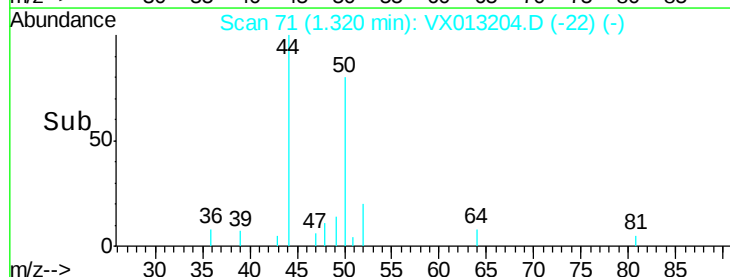
200

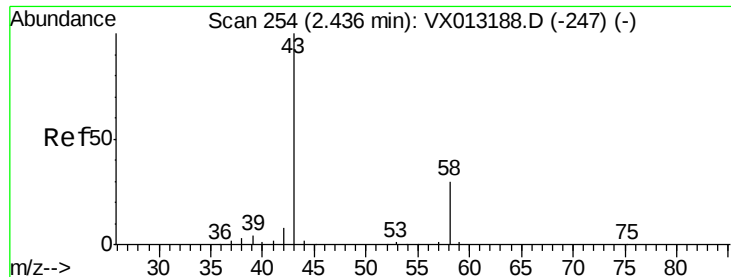
0

Time-->

1.30

1.35

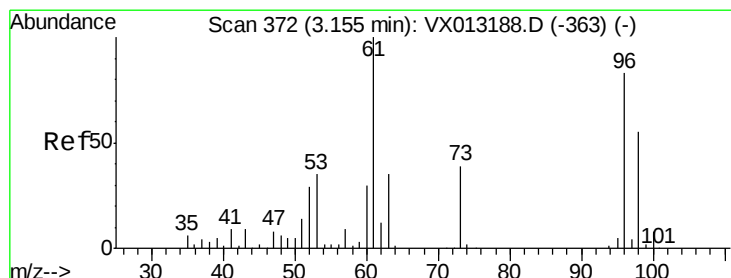
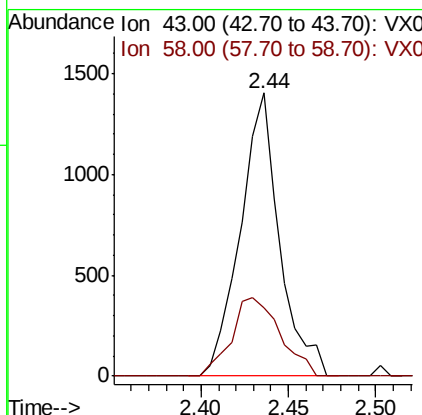
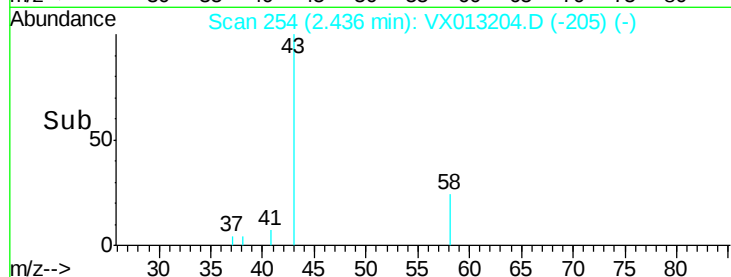
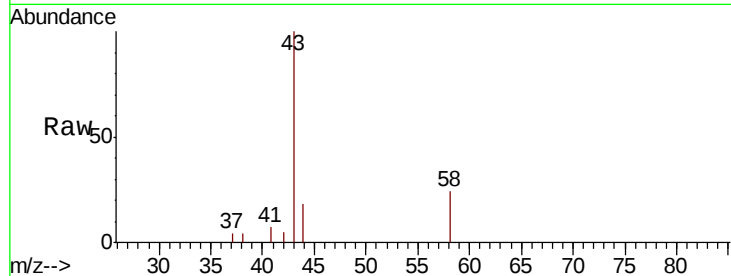




#16
Acetone
Concen: 2.869 ug/l
RT: 2.44 min Scan# 254
Delta R.T. -0.00 min
Lab File: VX013204.D
Acq: 24 Oct 2019 12:04

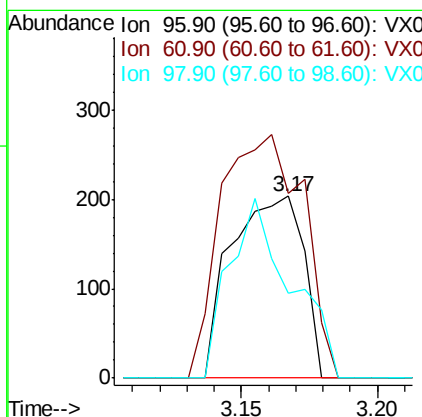
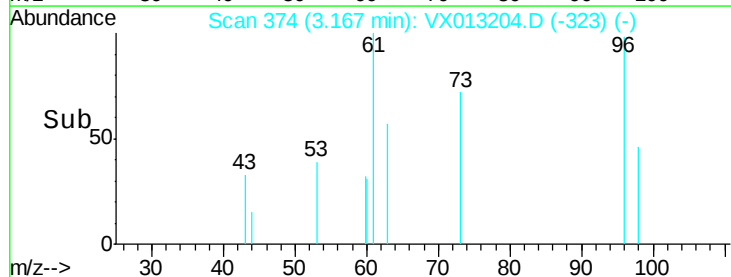
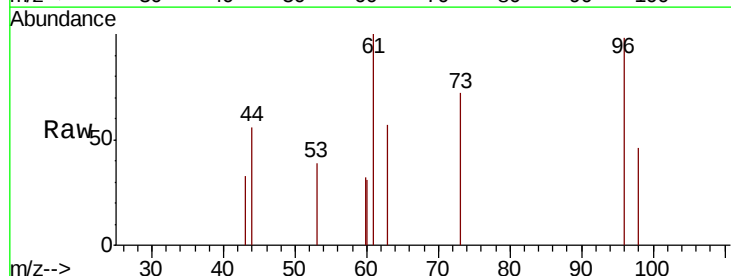
Instrument :
MSVOA_X
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BP-TT-MW203D2-GW-20191021

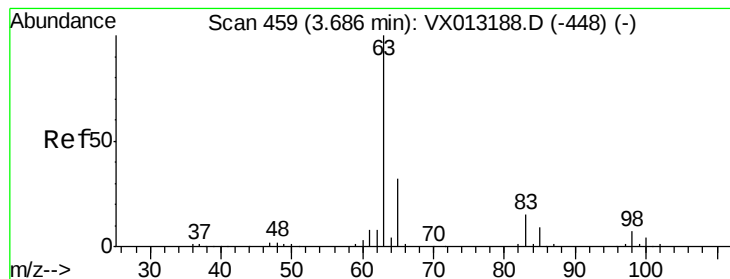
Tot Ion: 43 Resp: 2199
Ion Ratio Lower Upper
43 100
58 24.4 23.8 35.6



#21
trans-1,2-Dichloroethene
Concen: 0.744 ug/l
RT: 3.17 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX013204.D
Acq: 24 Oct 2019 12:04

Tgt Ion: 96 Resp: 373
Ion Ratio Lower Upper
96 100
61 102.0 96.9 145.3
98 46.8 53.0 79.4#





#24

1,1-Dichloroethane

Concen: 1.677 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013204.D

Acq: 24 Oct 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW203D2-GW-20191021

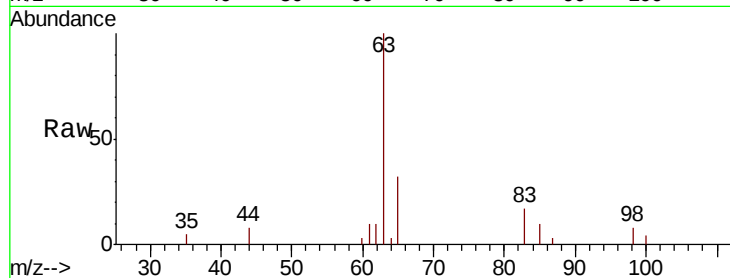
Tot Ion: 63 Resp: 4208

Ion Ratio Lower Upper

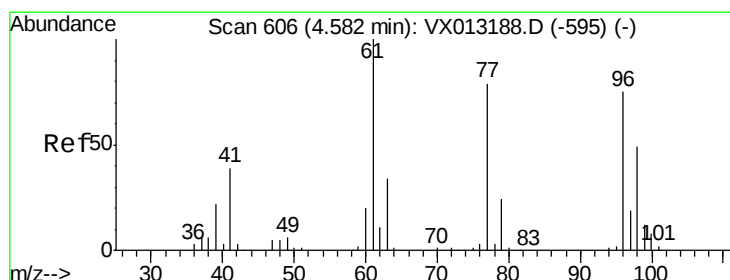
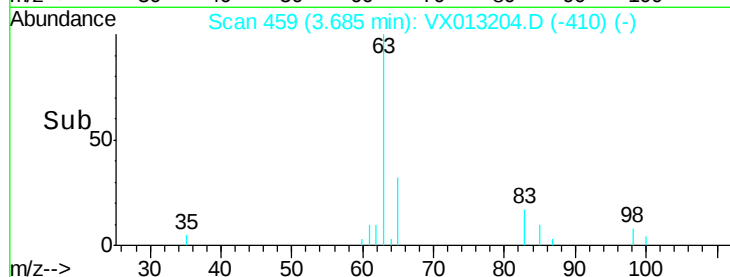
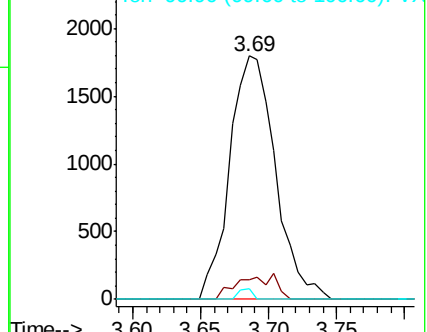
63 100

98 8.0 3.8 11.2

100 4.4 2.2 6.6



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: 1.615 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX013204.D

Acq: 24 Oct 2019 12:04

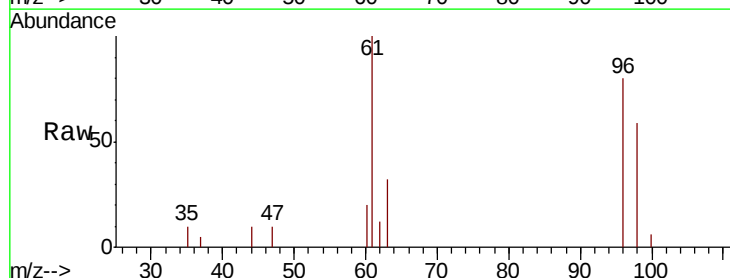
Tgt Ion: 96 Resp: 2621

Ion Ratio Lower Upper

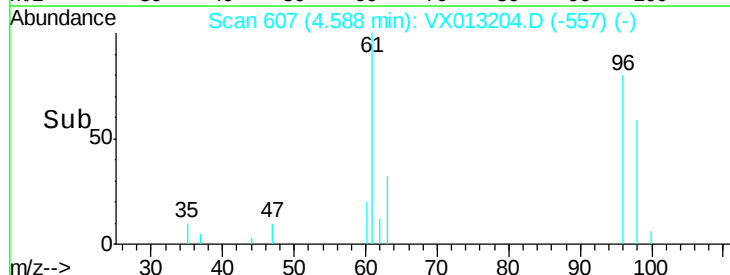
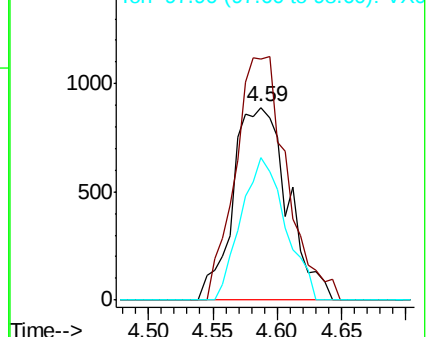
96 100

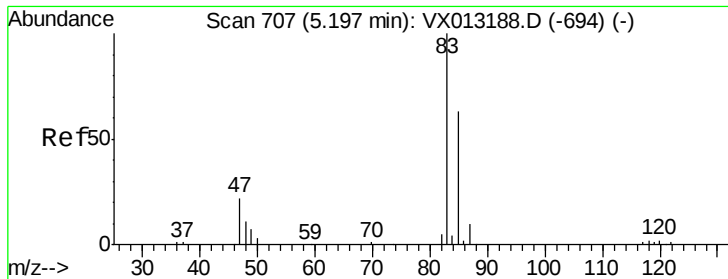
61 118.6 0.0 290.4

98 59.7 0.0 130.4



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: 0.361 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX013204.D

Acq: 24 Oct 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

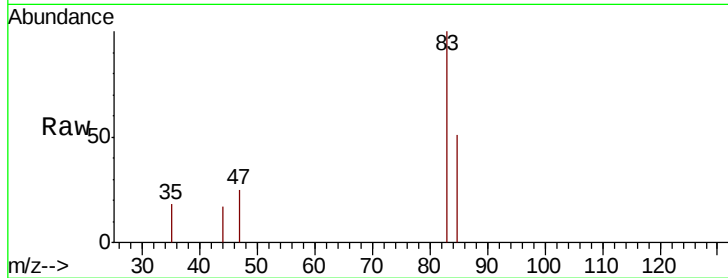
BP-TT-MW203D2-GW-20191021

Tot Ion: 83 Resp: 965

Ion Ratio Lower Upper

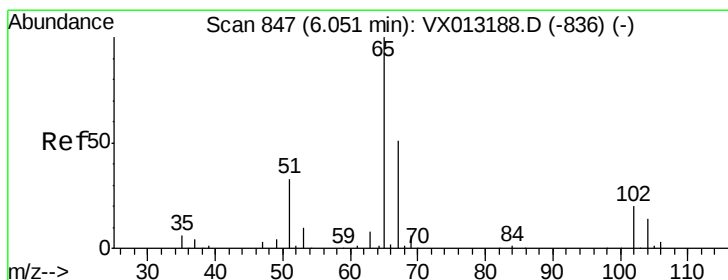
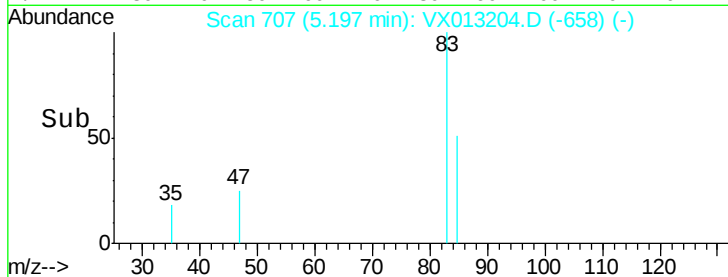
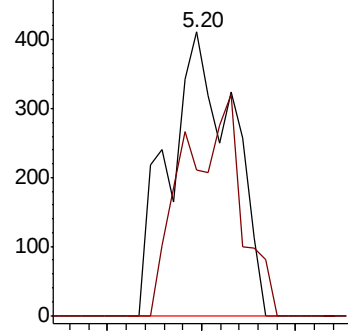
83 100

85 51.1 50.1 75.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.476 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013204.D

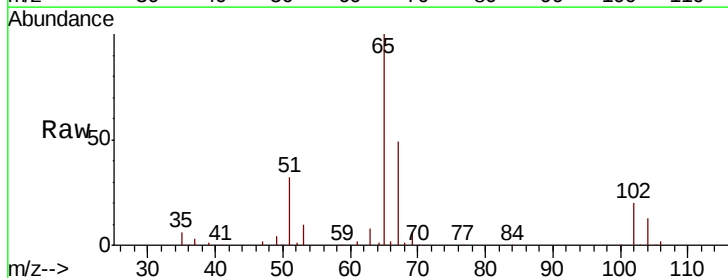
Acq: 24 Oct 2019 12:04

Tgt Ion: 65 Resp: 83750

Ion Ratio Lower Upper

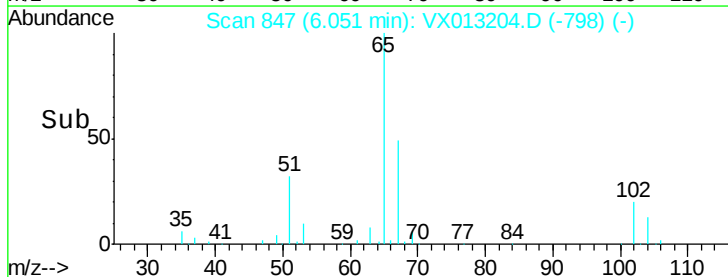
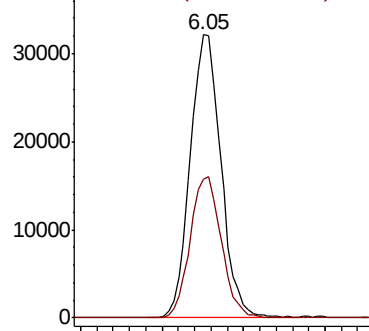
65 100

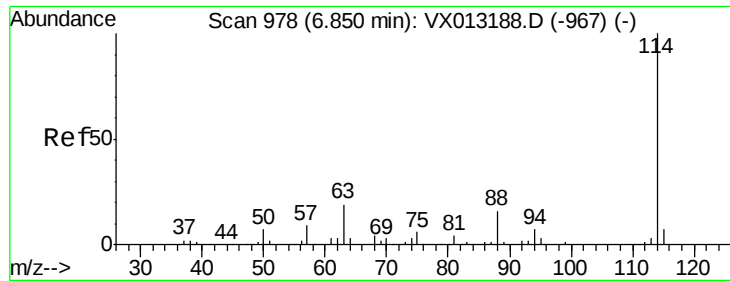
67 50.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

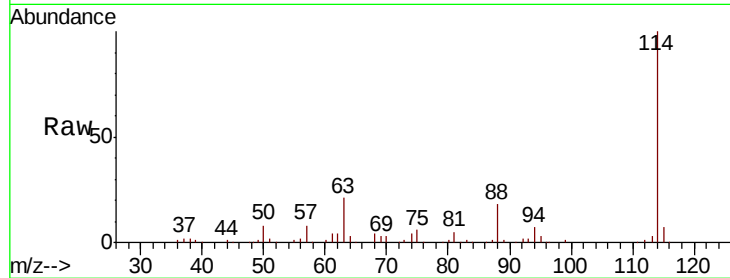




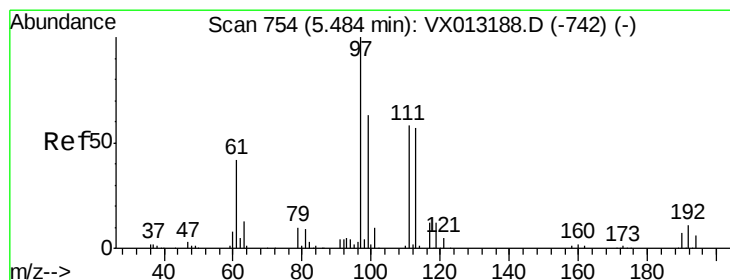
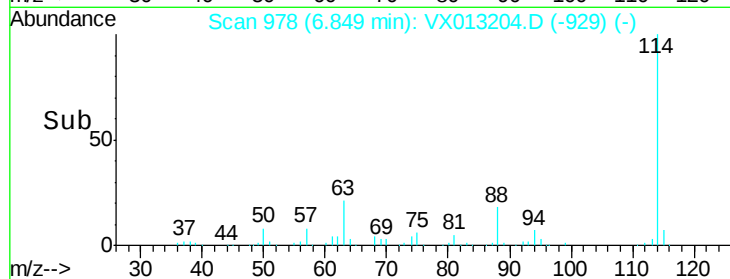
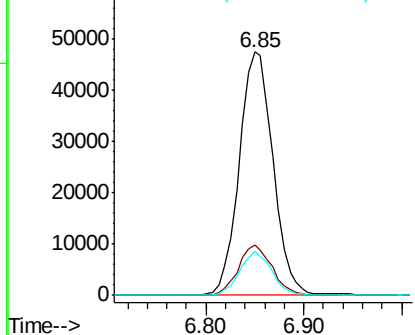
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013204.D
 Acq: 24 Oct 2019 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW203D2-GW-20191021

Tot Ion:114 Resp: 113933
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 39.0
 88 17.9 0.0 32.0

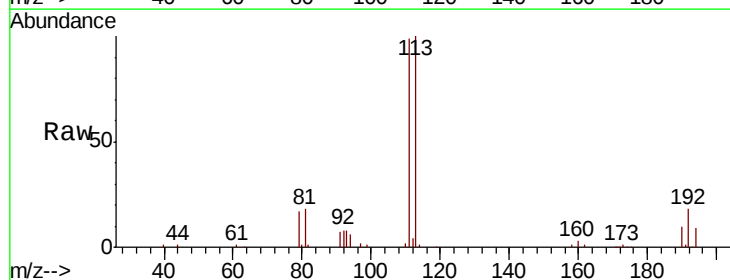


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

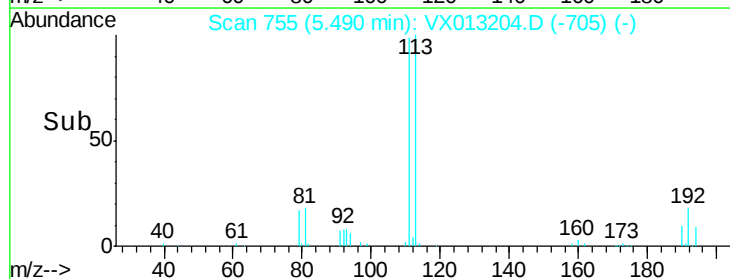
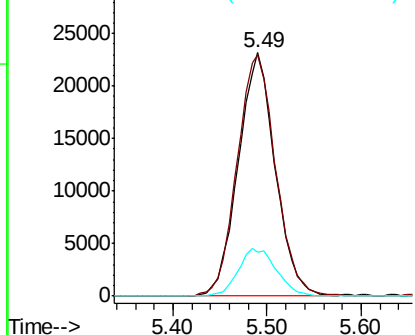


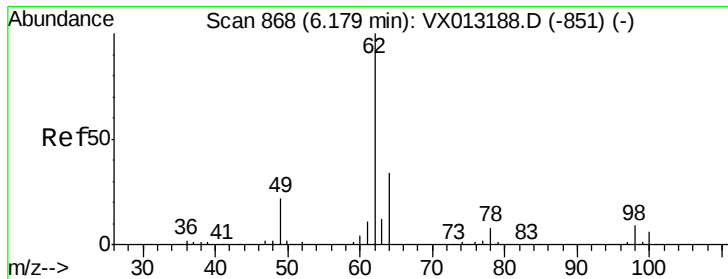
#35
 Dibromofluoromethane
 Concen: 50.013 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX013204.D
 Acq: 24 Oct 2019 12:04

Tgt Ion:113 Resp: 63542
 Ion Ratio Lower Upper
 113 100
 111 103.1 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





#42

1,2-Dichloroethane

Concen: 1.239 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX013204.D

Acq: 24 Oct 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

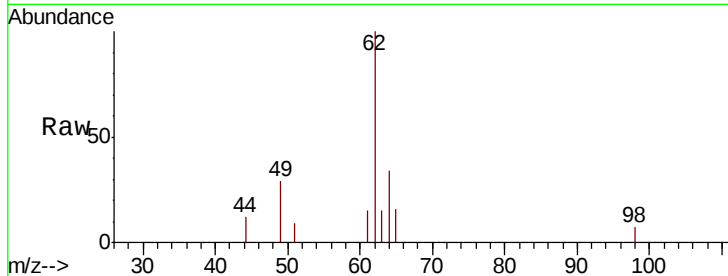
BP-TT-MW203D2-GW-20191021

Tot Ion: 62 Resp: 2674

Ion Ratio Lower Upper

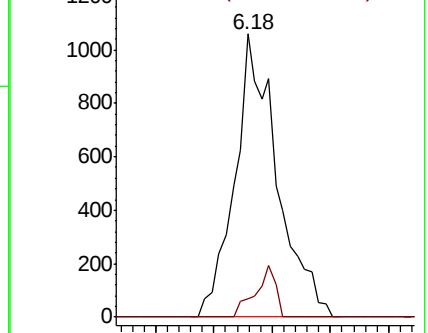
62 100

98 8.8 0.0 18.4

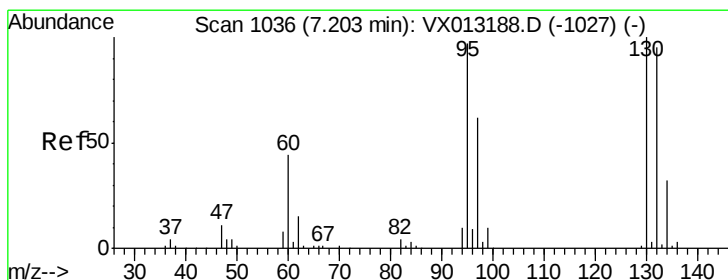
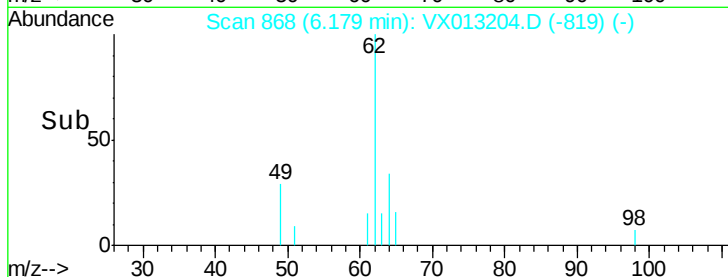


Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->



#44

Trichloroethene

Concen: 0.765 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013204.D

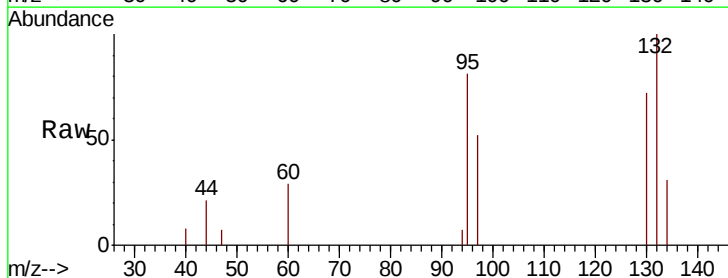
Acq: 24 Oct 2019 12:04

Tgt Ion:130 Resp: 1243

Ion Ratio Lower Upper

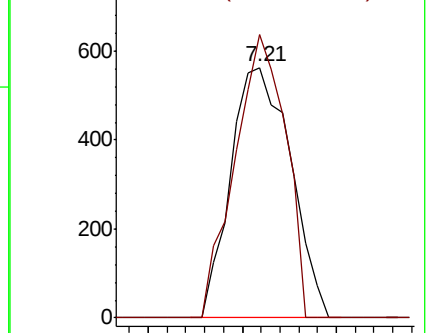
130 100

95 113.1 0.0 193.6

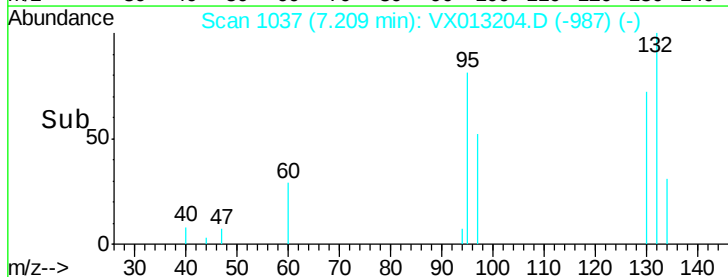


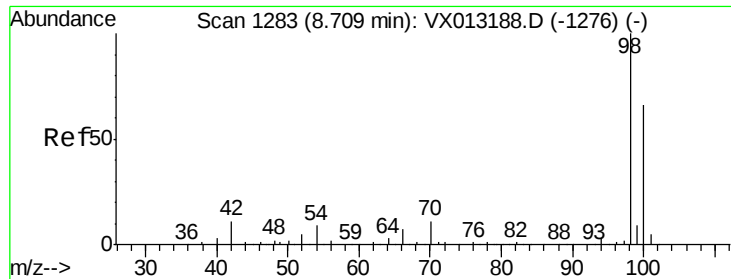
Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



Time-->

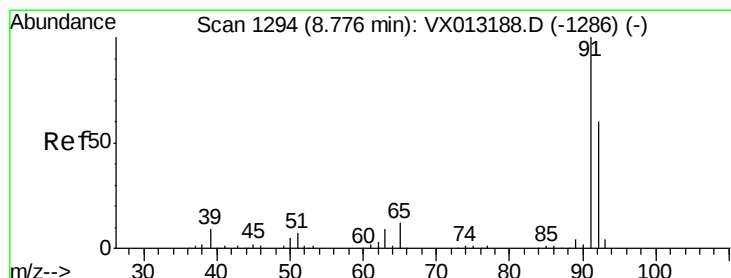
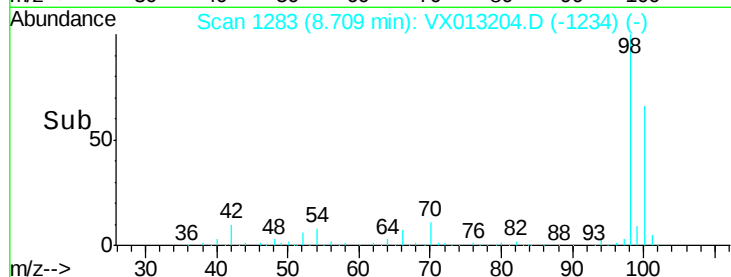
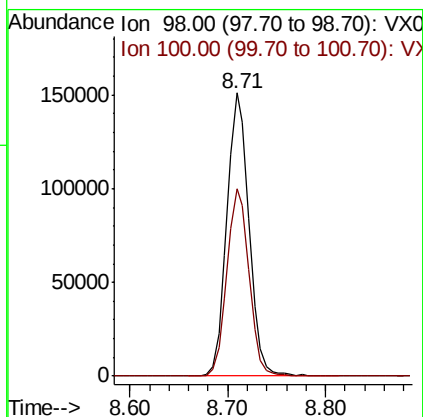
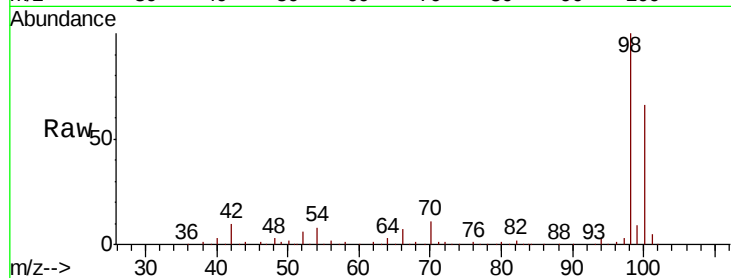




#50
Toluene-d8
Concen: 50.351 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013204.D
Acq: 24 Oct 2019 12:04

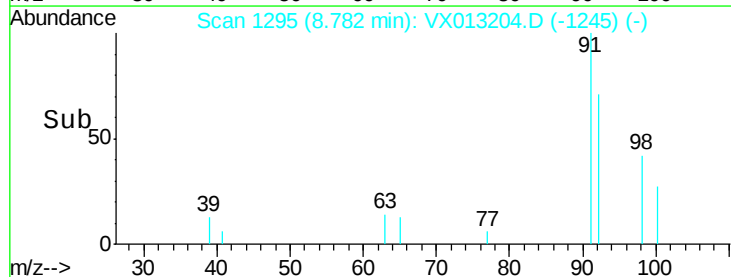
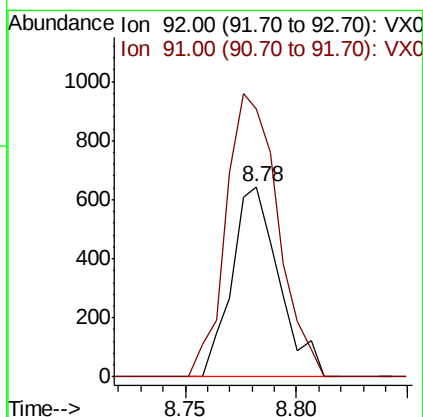
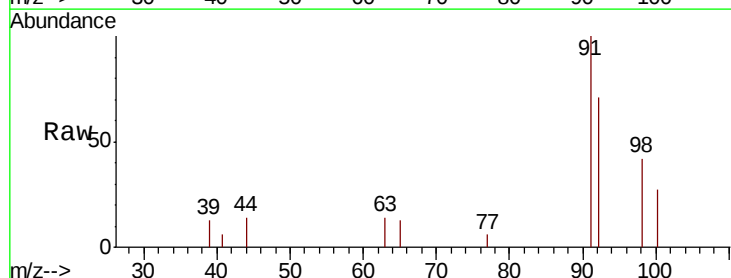
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW203D2-GW-20191021

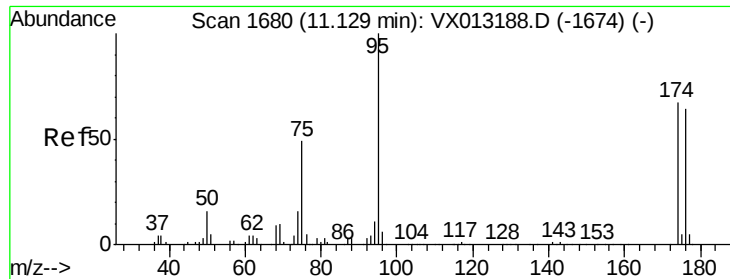
Tot Ion: 98 Resp: 237073
Ion Ratio Lower Upper
98 100
100 66.3 53.3 79.9



#52
Toluene
Concen: 0.253 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX013204.D
Acq: 24 Oct 2019 12:04

Tgt Ion: 92 Resp: 958
Ion Ratio Lower Upper
92 100
91 163.5 133.9 200.9

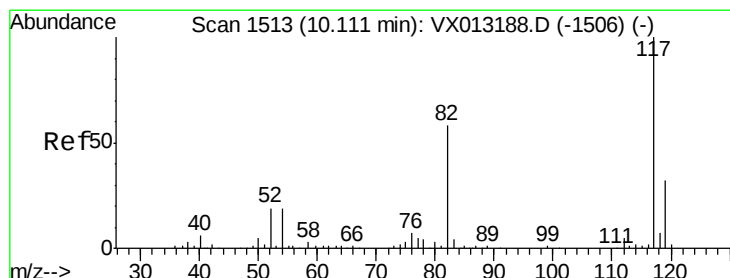
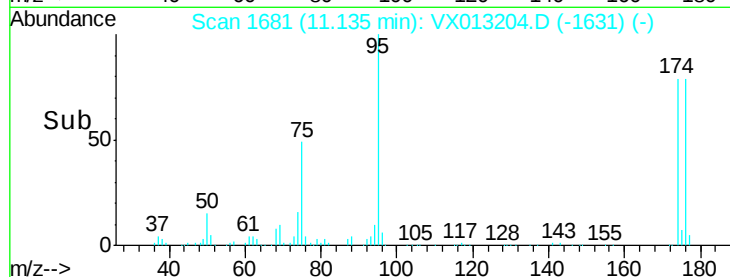
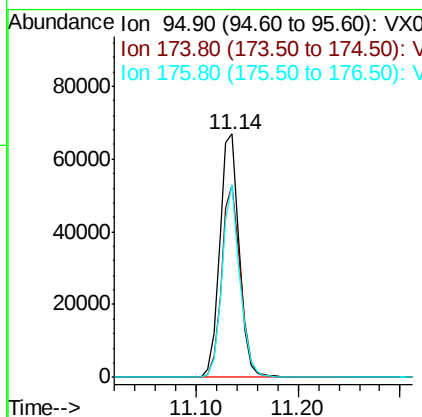
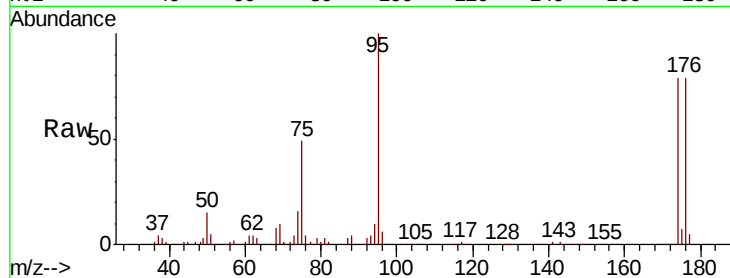




#62
4-Bromofluorobenzene
Concen: 47.916 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013204.D
Acq: 24 Oct 2019 12:04

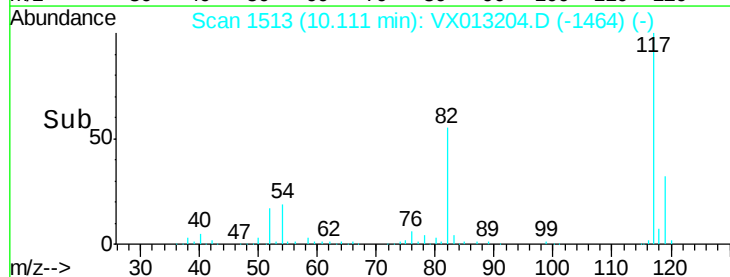
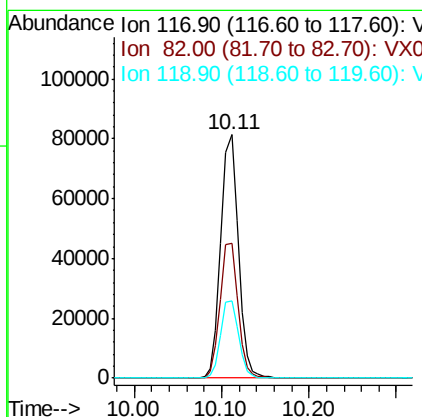
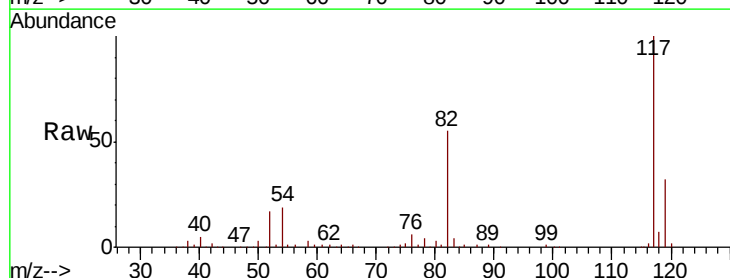
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW203D2-GW-20191021

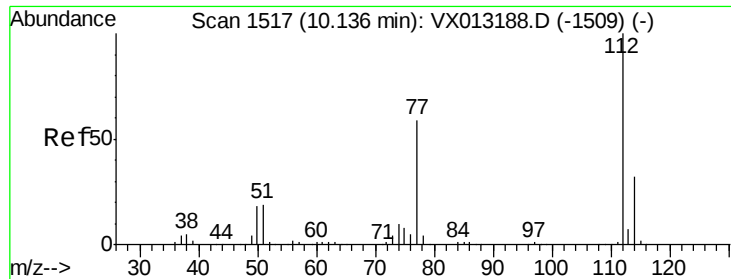
Tot Ion: 95 Resp: 89296
Ion Ratio Lower Upper
95 100
174 76.2 0.0 152.4
176 72.1 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013204.D
Acq: 24 Oct 2019 12:04

Tgt Ion: 117 Resp: 113266
Ion Ratio Lower Upper
117 100
82 55.2 46.5 69.7
119 31.6 25.2 37.8

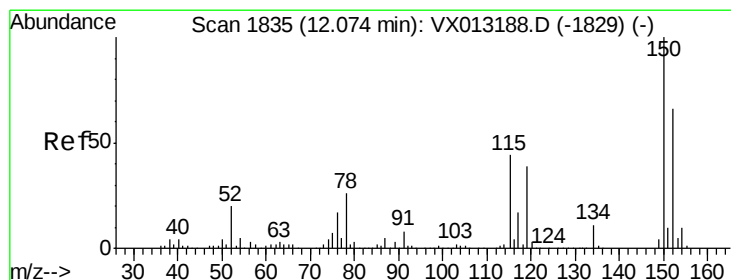
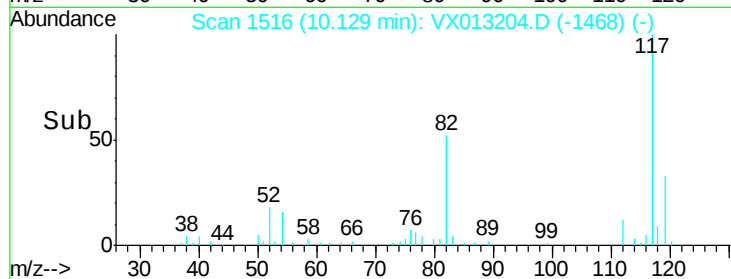
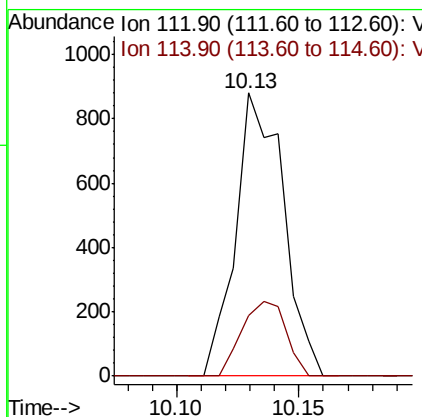
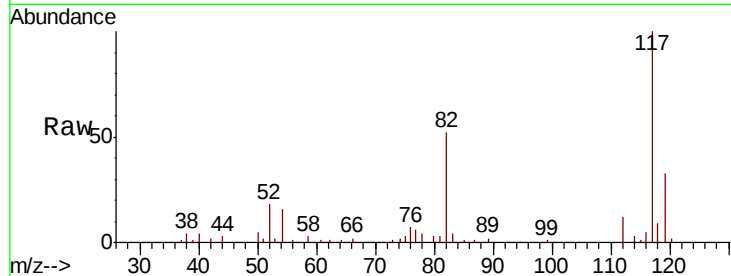




#65
Chlorobenzene
Concen: 0.300 ug/l
RT: 10.13 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VX013204.D
Acq: 24 Oct 2019 12:04

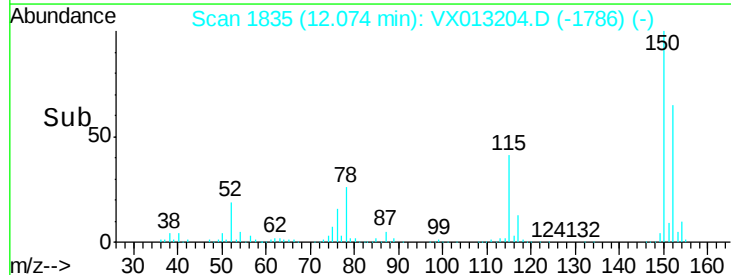
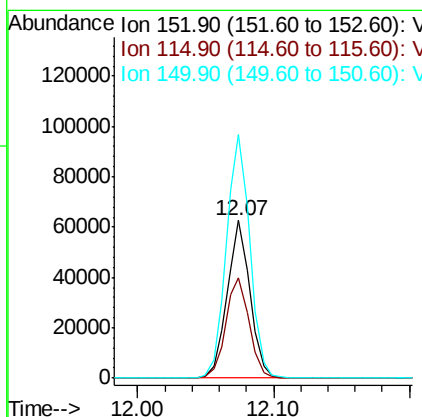
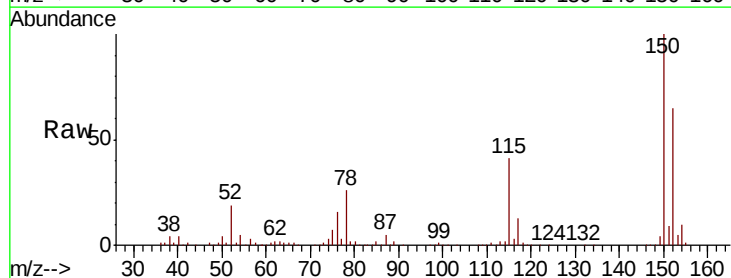
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW203D2-GW-20191021

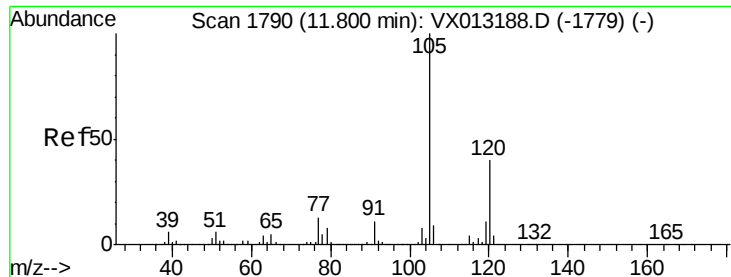
Tot Ion:112 Resp: 1191
Ion Ratio Lower Upper
112 100
114 21.3 25.8 38.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013204.D
Acq: 24 Oct 2019 12:04

Tgt Ion:152 Resp: 72595
Ion Ratio Lower Upper
152 100
115 65.1 46.6 139.8
150 158.9 0.0 354.0

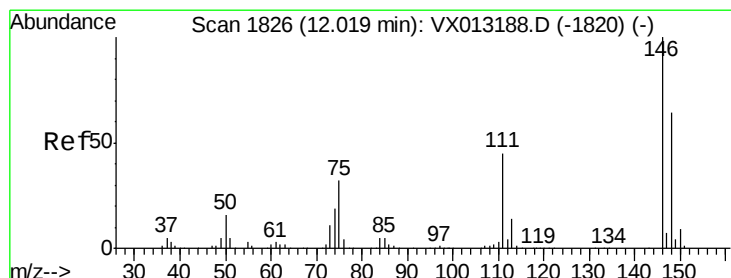
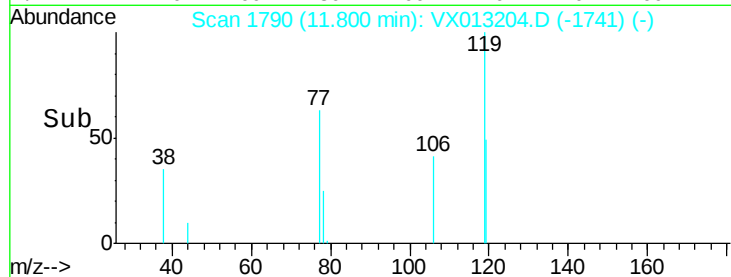
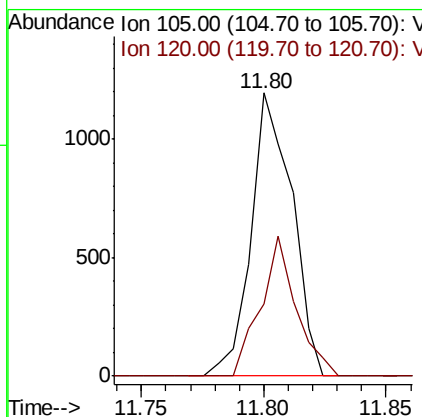
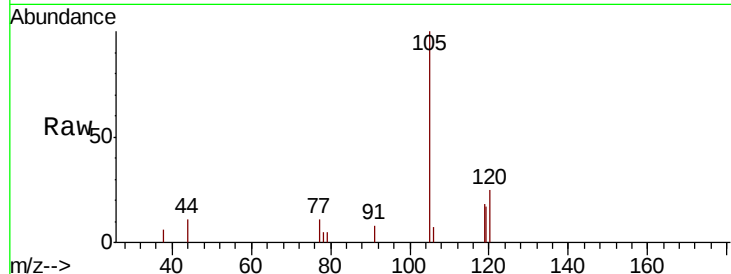




#84
 1,2,4-Trimethylbenzene
 Concen: 0.251 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX013204.D
 Acq: 24 Oct 2019 12:04

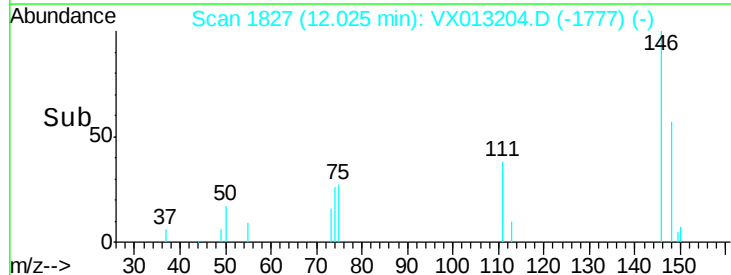
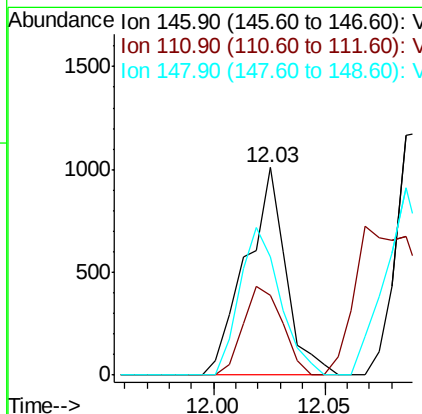
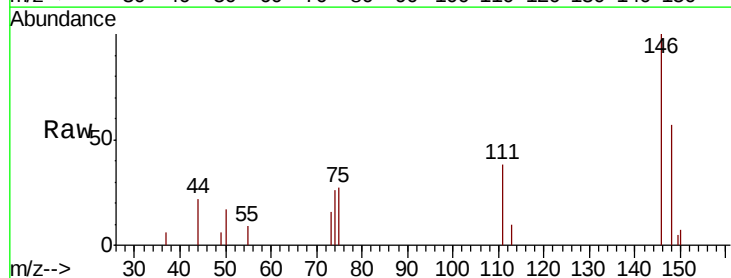
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW203D2-GW-20191021

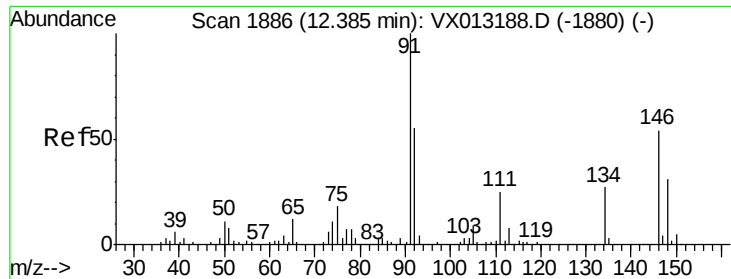
Tot Ion:105 Resp: 1387
 Ion Ratio Lower Upper
 105 100
 120 43.1 21.4 64.3



#87
 1,3-Dichlorobenzene
 Concen: 0.442 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: VX013204.D
 Acq: 24 Oct 2019 12:04

Tgt Ion:146 Resp: 1263
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.3 63.9
 148 72.1 31.6 94.8





#91

1,2-Dichlorobenzene

Concen: 0.352 ug/l

RT: 12.39 min Scan# 1887

Delta R.T. 0.01 min

Lab File: VX013204.D

Acq: 24 Oct 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW203D2-GW-20191021

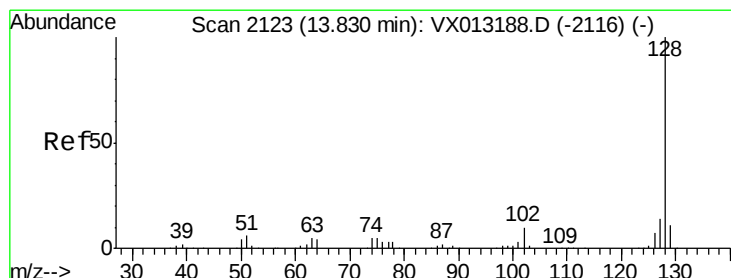
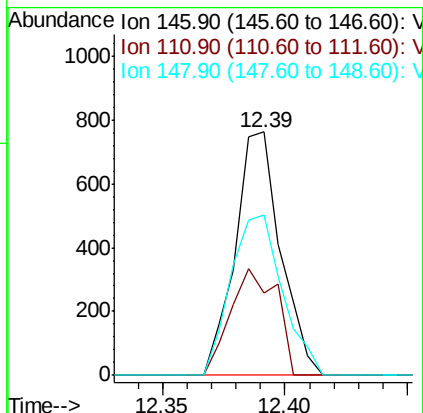
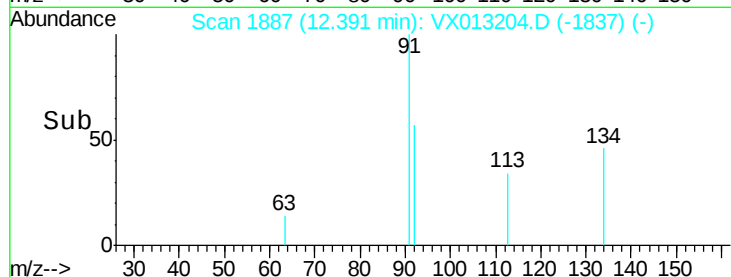
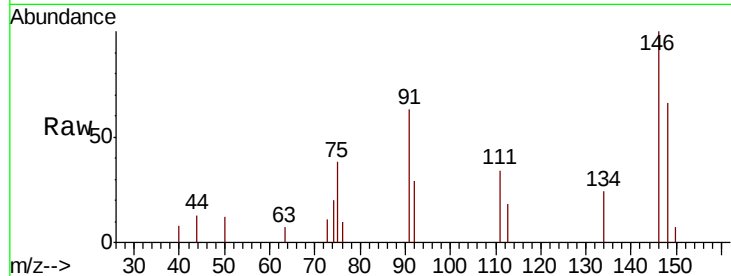
Tot Ion:146 Resp: 988

Ion Ratio Lower Upper

146 100

111 44.4 22.9 68.8

148 74.7 31.8 95.3



#95

Naphthalene

Concen: 0.686 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013204.D

Acq: 24 Oct 2019 12:04

Tgt Ion:128 Resp: 3722

Ion Ratio Lower Upper

128 100

127 12.0 10.7 16.1

129 12.3 8.6 13.0

