

Data File : VX011308.D
Acq On : 02 Aug 2019 16:30
Operator : JC/SP
Sample : K4145-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-658-660

Quant Time: Aug 03 05:44:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	141044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	228217	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	218181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	101681	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	76027	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
35) Dibromofluoromethane	5.49	113	72407	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
50) Toluene-d8	8.71	98	280217	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
62) 4-Bromofluorobenzene	11.13	95	95932	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	

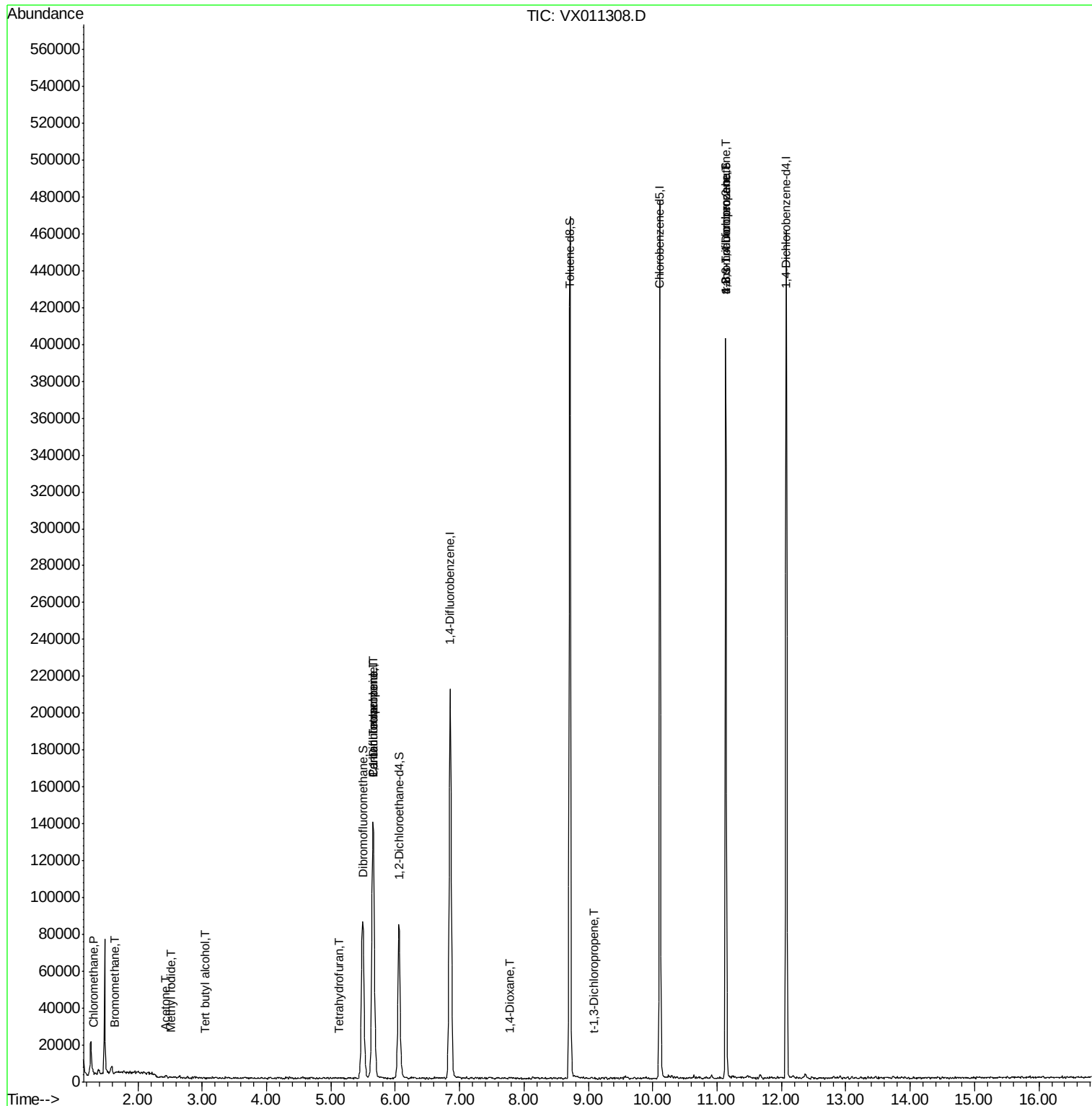
Target Compounds			Qvalue			
3) Chloromethane	1.32	50	412	0.337 ug/l #		1
5) Bromomethane	1.64	94	427	0.445 ug/l #		78
6) Chloroethane	1.72	64	414	Below Cal #		61
10) Methyl Iodide	2.51	142	338	0.207 ug/l #		88
11) Tert butyl alcohol	3.04	59	181	0.662 ug/l #		94
16) Acetone	2.43	43	1493	2.208 ug/l #		70
29) Tetrahydrofuran	5.12	42	135	0.229 ug/l #		40
36) 1,1-Dichloropropene	5.66	75	9130	4.582 ug/l #		49
38) Carbon Tetrachloride	5.66	117	12896	6.433 ug/l #		15
49) 1,4-Dioxane	7.78	88	20	0.459 ug/l #		1
53) t-1,3-Dichloropropene	9.08	75	25	2.849 ug/l #		43
76) 1,2,3-Trichloropropane	11.13	75	47281	25.533 ug/l #		36
81) trans-1,4-Dichloro-2-buten	11.13	75	47281	66.535 ug/l #		11

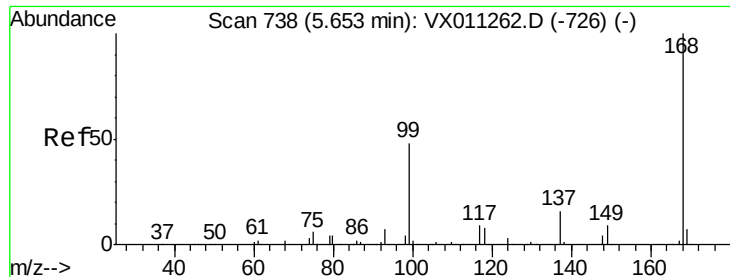
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011308.D

Acq: 02 Aug 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

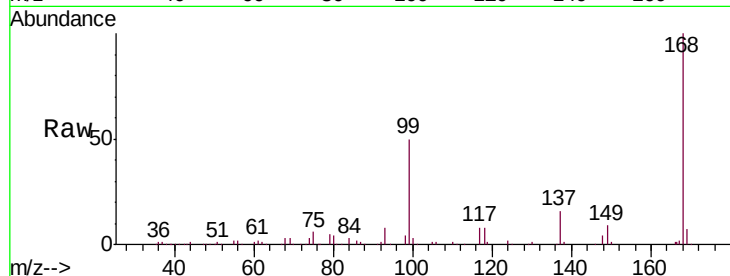
BP-VPB203-GW-658-660

Tgt Ion:168 Resp: 141044

Ion Ratio Lower Upper

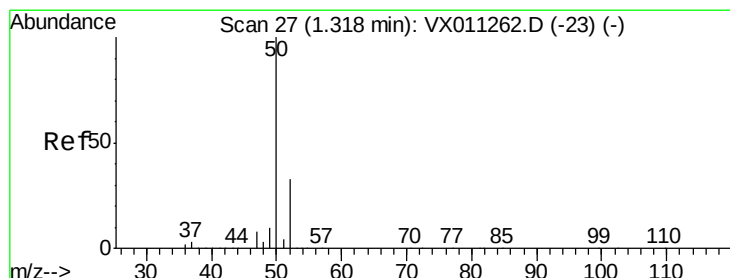
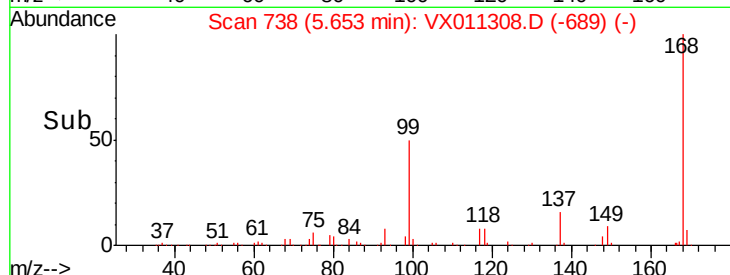
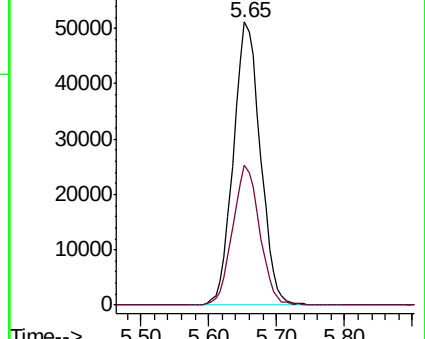
168 100

99 49.5 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.337 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011308.D

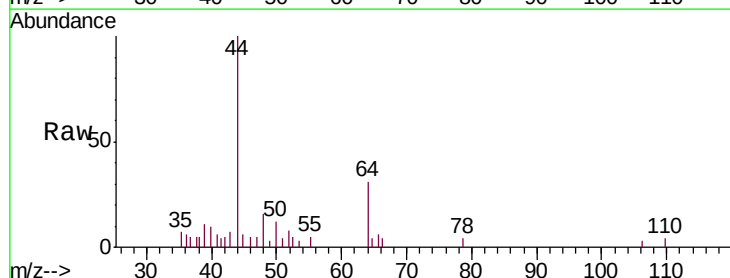
Acq: 02 Aug 2019 16:30

Tgt Ion: 50 Resp: 412

Ion Ratio Lower Upper

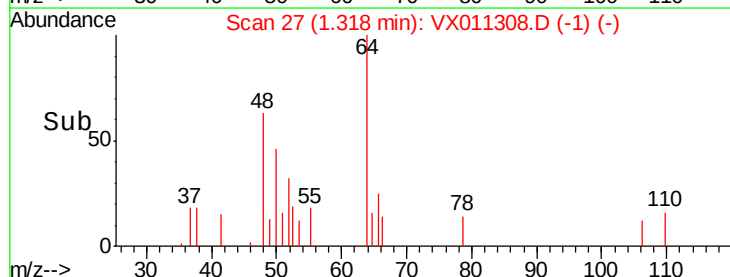
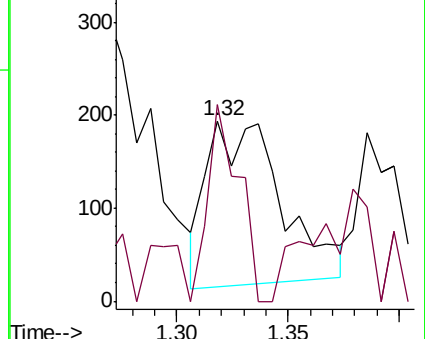
50 100

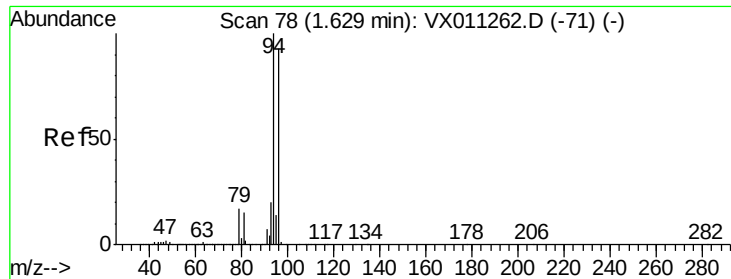
52 158.2 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.445 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011308.D

Acq: 02 Aug 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

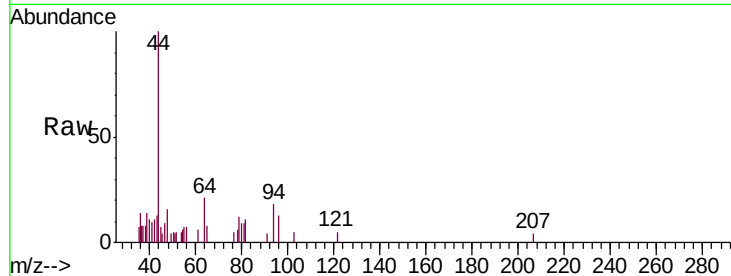
BP-VPB203-GW-658-660

Tgt Ion: 94 Resp: 427

Ion Ratio Lower Upper

94 100

96 72.4 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

150

100

50

0

1.60

1.64

1.65

1.66

1.67

1.68

1.69

1.70

1.71

1.72

1.73

1.74

1.75

1.76

1.77

1.78

1.79

1.80

1.81

1.82

1.83

1.84

1.85

1.86

1.87

1.88

1.89

1.90

1.91

1.92

1.93

1.94

1.95

1.96

1.97

1.98

1.99

2.00

2.01

2.02

2.03

2.04

2.05

2.06

2.07

2.08

2.09

2.10

2.11

2.12

2.13

2.14

2.15

2.16

2.17

2.18

2.19

2.20

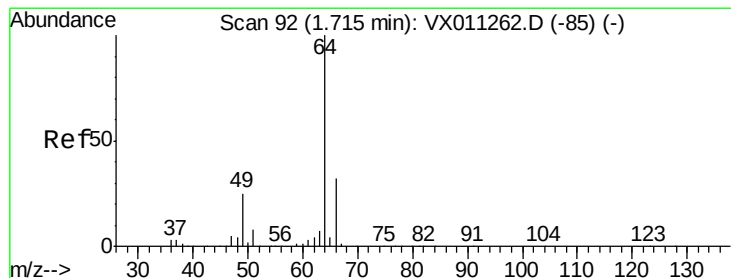
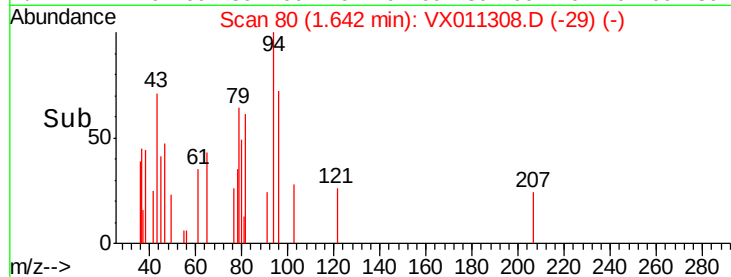
2.21

2.22

2.23

2.24

2.25



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011308.D

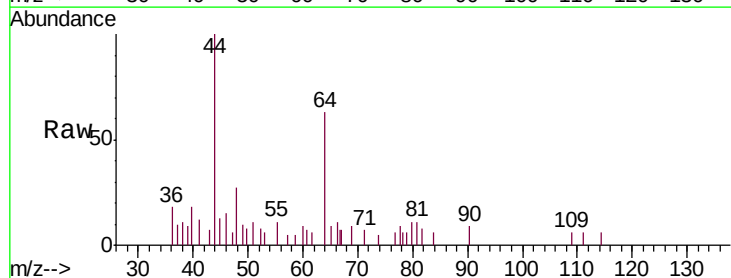
Acq: 02 Aug 2019 16:30

Tgt Ion: 64 Resp: 414

Ion Ratio Lower Upper

64 100

66 10.1 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

600

400

200

0

1.70

1.72

1.74

1.76

1.77

1.78

1.79

1.80

1.81

1.82

1.83

1.84

1.85

1.86

1.87

1.88

1.89

1.90

1.91

1.92

1.93

1.94

1.95

1.96

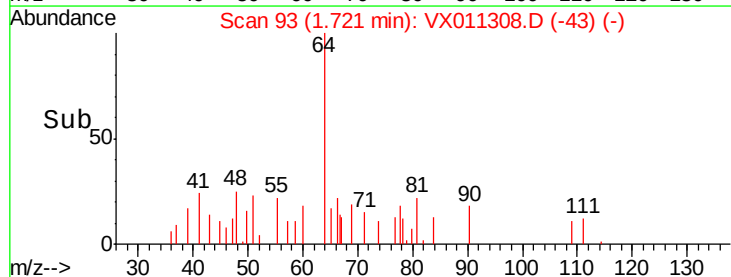
1.97

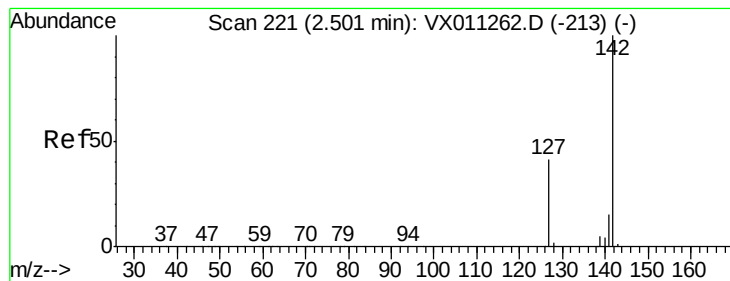
1.98

1.99

2.00

2.01





#10

Methyl Iodide

Concen: 0.207 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX011308.D

Acq: 02 Aug 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-658-660

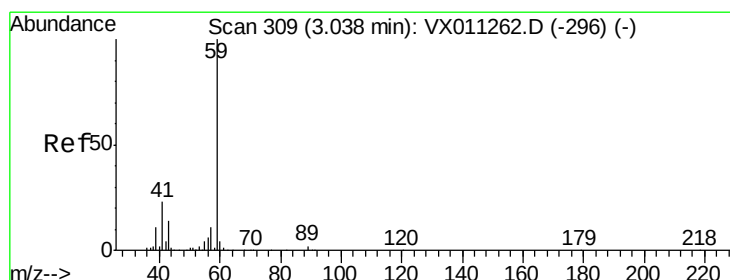
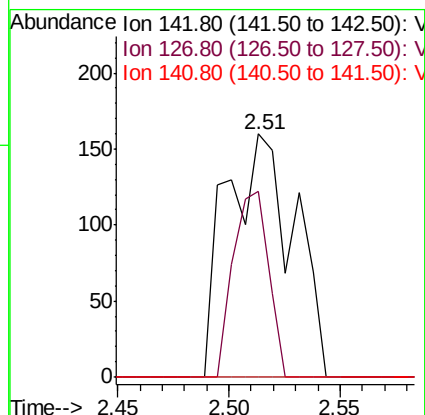
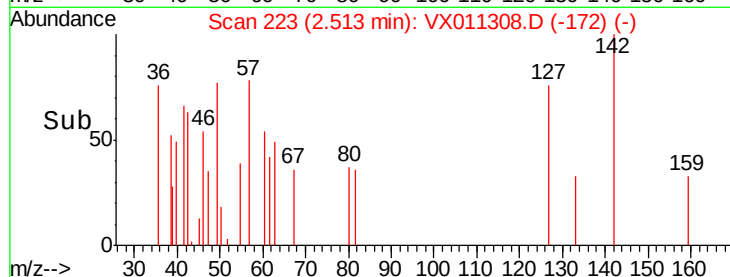
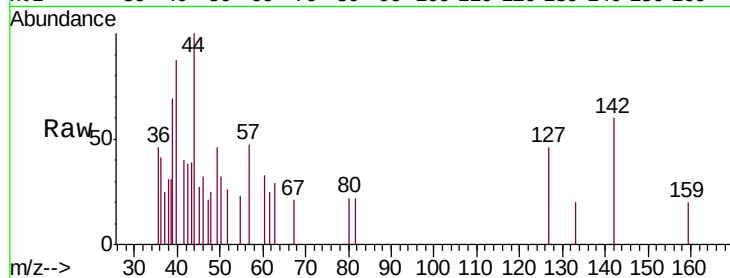
Tgt Ion: 142 Resp: 338

Ion Ratio Lower Upper

142 100

127 39.9 33.8 50.8

141 0.0 11.4 17.2#



#11

Tert butyl alcohol

Concen: 0.662 ug/l

RT: 3.04 min Scan# 310

Delta R.T. 0.01 min

Lab File: VX011308.D

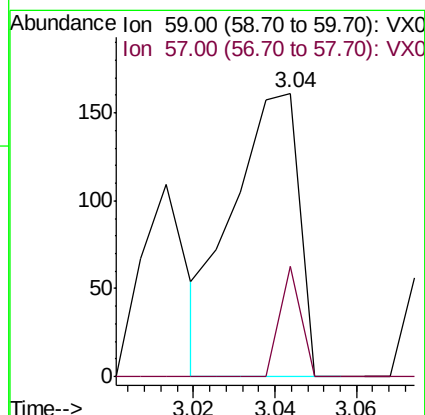
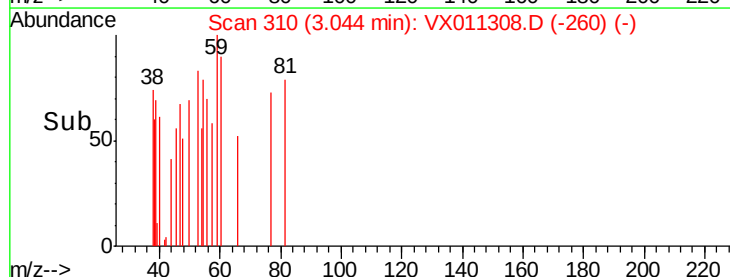
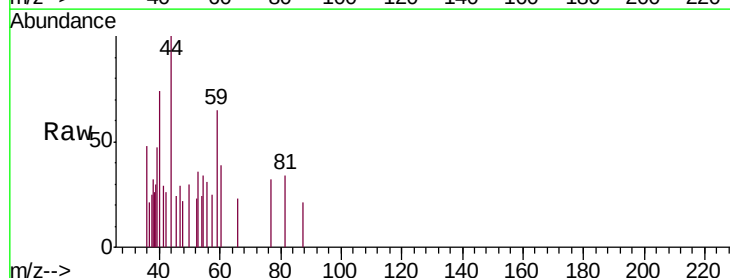
Acq: 02 Aug 2019 16:30

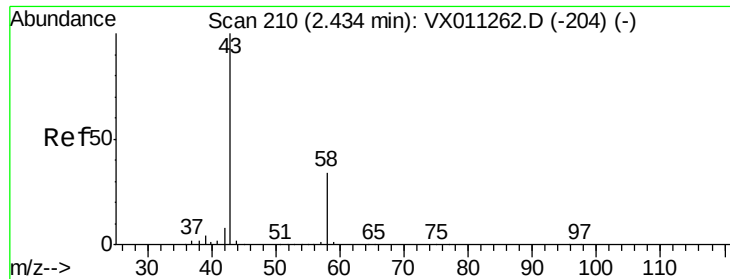
Tgt Ion: 59 Resp: 181

Ion Ratio Lower Upper

59 100

57 12.7 8.3 12.5#





#16

Acetone

Concen: 2.208 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011308.D

Acq: 02 Aug 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

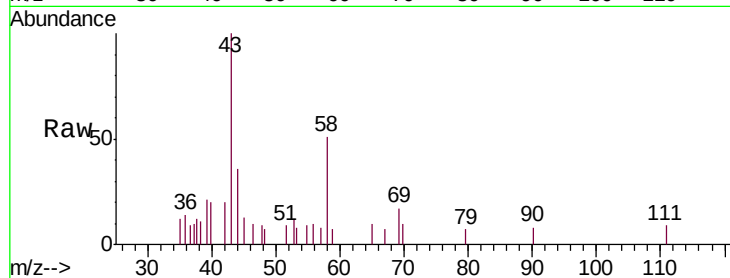
BP-VPB203-GW-658-660

Tgt Ion: 43 Resp: 1493

Ion Ratio Lower Upper

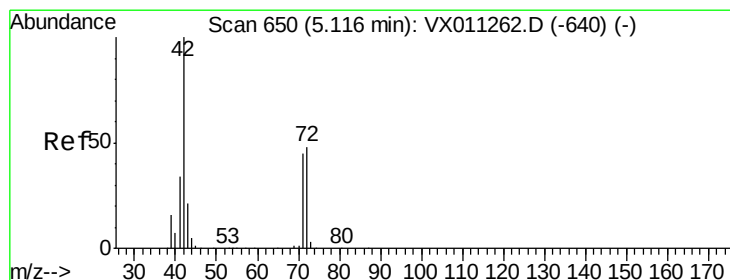
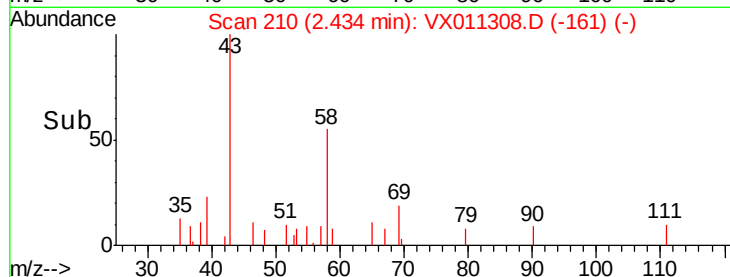
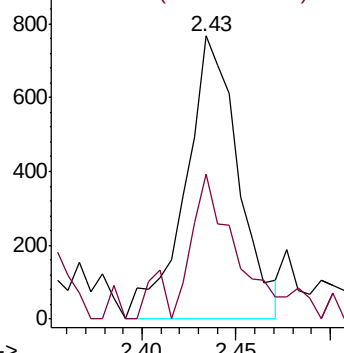
43 100

58 51.4 27.4 41.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#29

Tetrahydrofuran

Concen: 0.229 ug/l

RT: 5.12 min Scan# 650

Delta R.T. 0.00 min

Lab File: VX011308.D

Acq: 02 Aug 2019 16:30

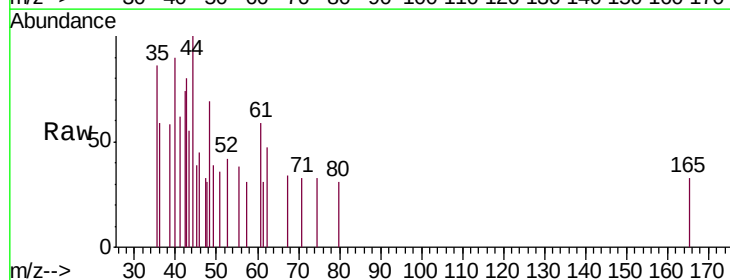
Tgt Ion: 42 Resp: 135

Ion Ratio Lower Upper

42 100

72 0.0 39.9 59.9#

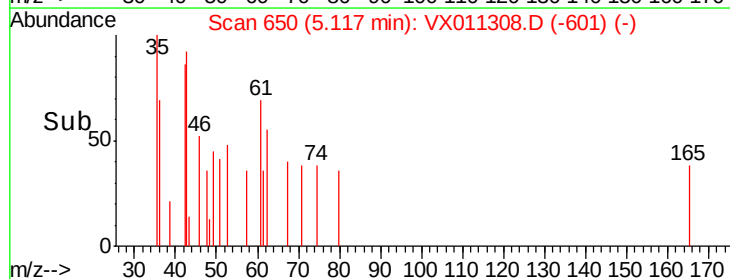
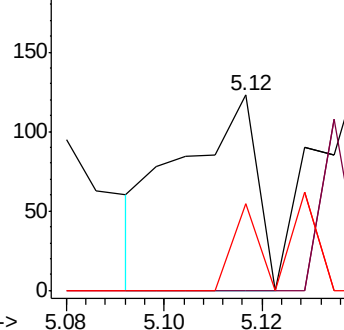
71 14.8 36.9 55.3#

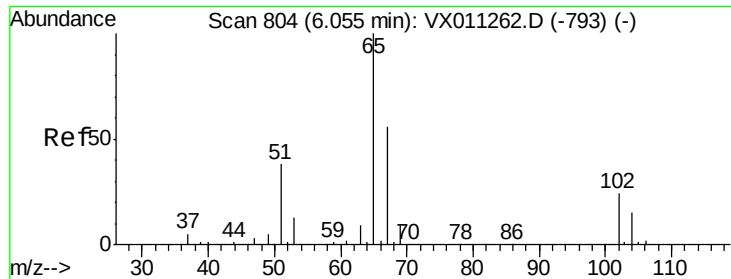


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

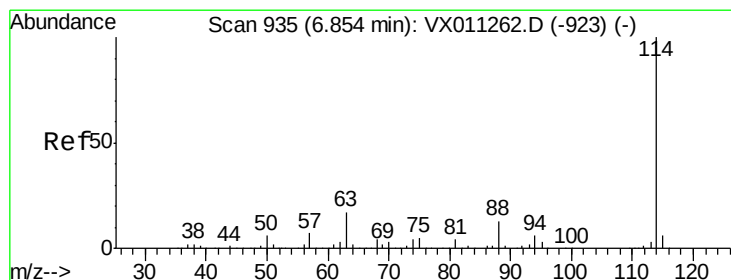
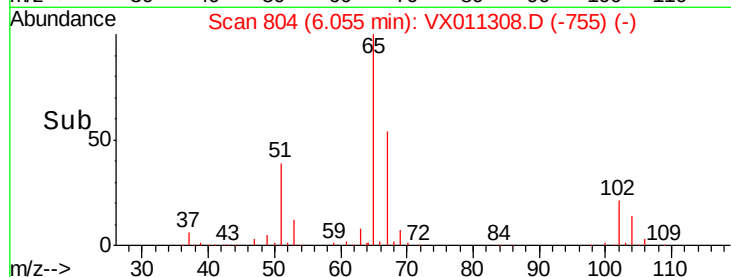
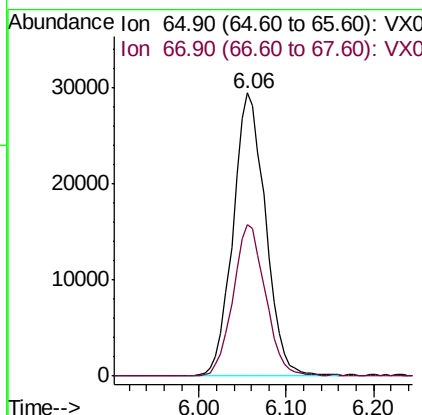
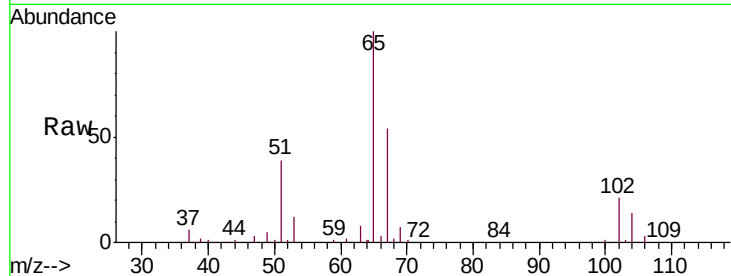




#33
 1,2-Dichloroethane-d4
 Concen: 53.525 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011308.D
 Acq: 02 Aug 2019 16:30

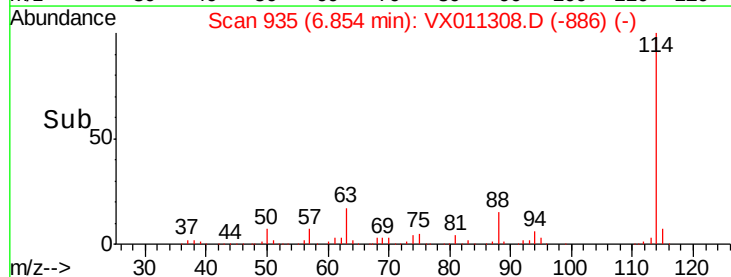
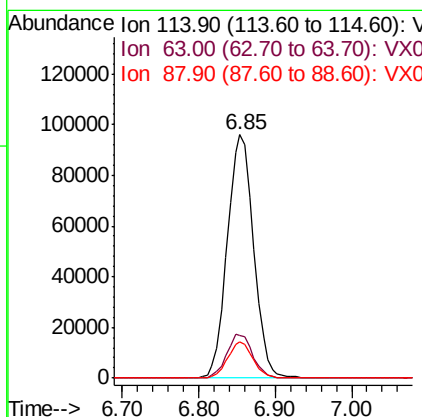
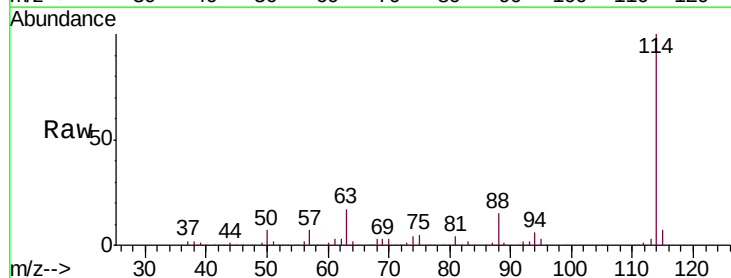
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-GW-658-660

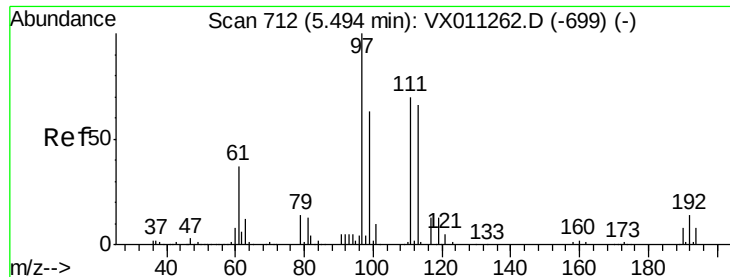
Tgt Ion: 65 Resp: 76027
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011308.D
 Acq: 02 Aug 2019 16:30

Tgt Ion: 114 Resp: 228217
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 34.0
 88 14.7 0.0 26.4

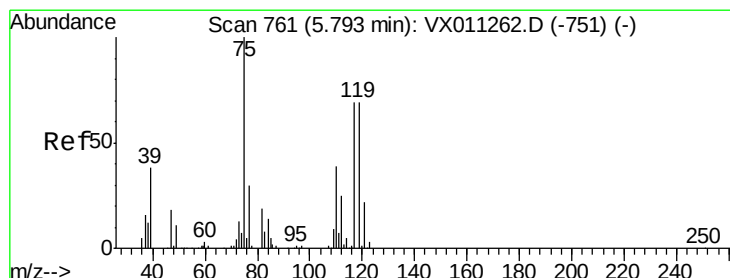
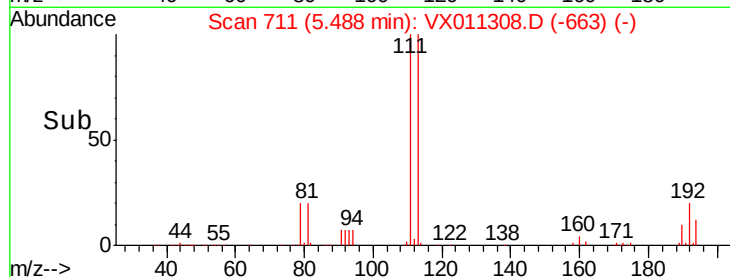
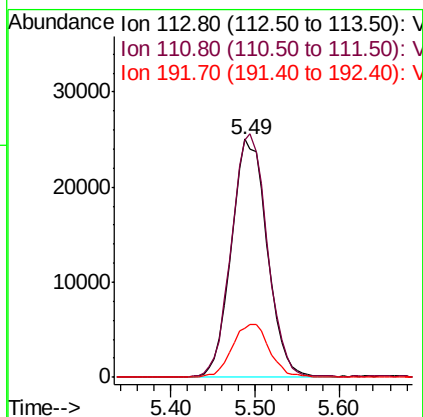
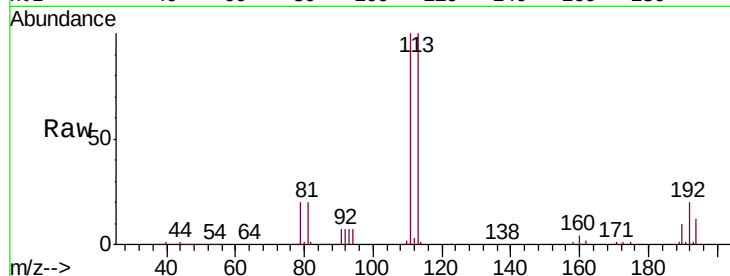




#35
 Dibromofluoromethane
 Concen: 48.596 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011308.D
 Acq: 02 Aug 2019 16:30

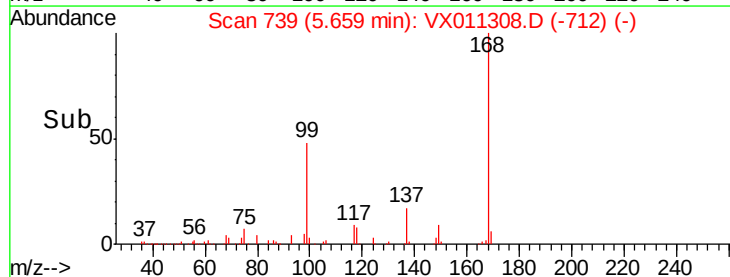
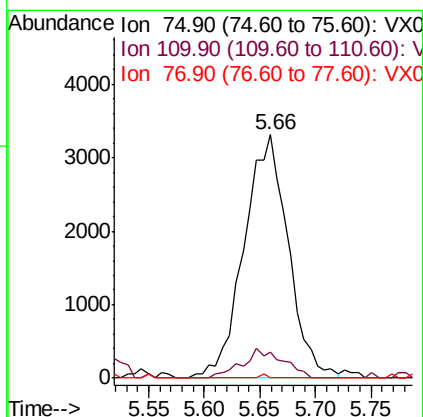
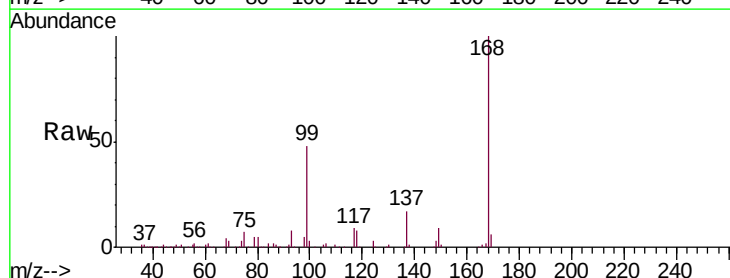
Instrument :
 MSVOA_X
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 BP-VPB203-GW-658-660

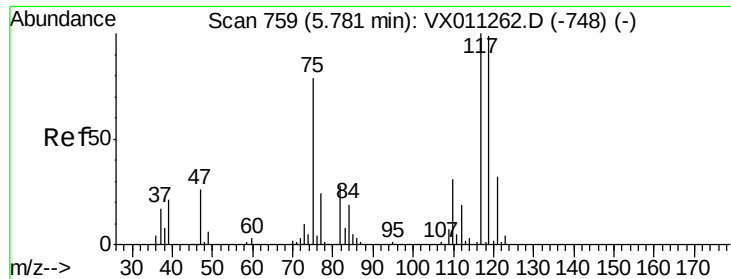
Tgt Ion:113 Resp: 72407
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.9 122.9
 192 22.8 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 4.582 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011308.D
 Acq: 02 Aug 2019 16:30

Tgt Ion: 75 Resp: 9130
 Ion Ratio Lower Upper
 75 100
 110 11.2 20.0 59.9#
 77 0.3 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.433 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011308.D

Acq: 02 Aug 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-658-660

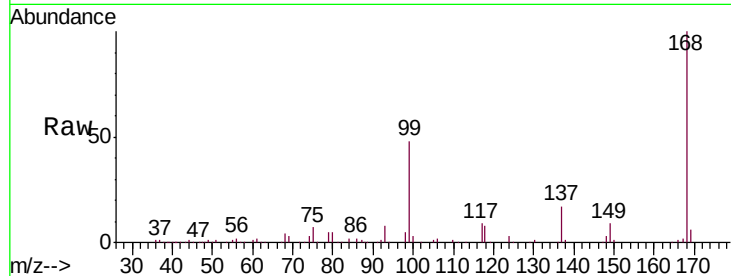
Tgt Ion: 117 Resp: 12896

Ion Ratio Lower Upper

117 100

119 5.1 79.0 118.4#

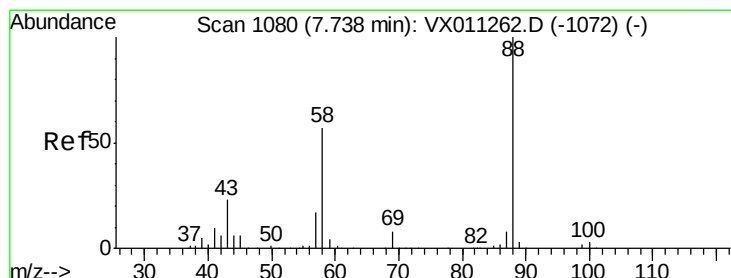
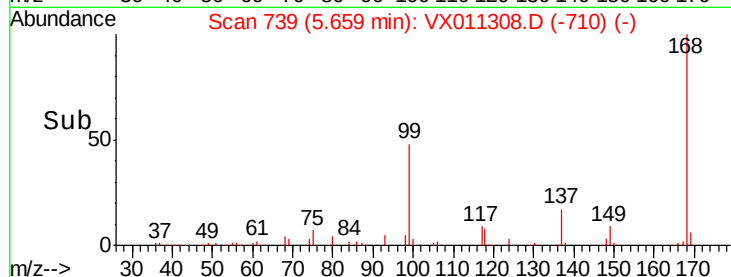
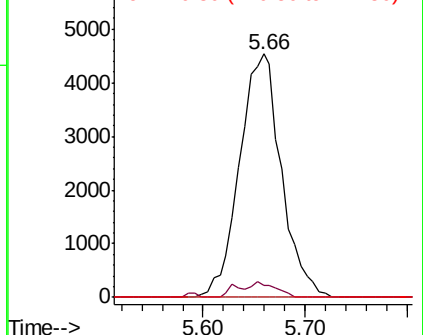
121 0.0 25.9 38.9#



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



#49

1,4-Dioxane

Concen: 0.459 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.04 min

Lab File: VX011308.D

Acq: 02 Aug 2019 16:30

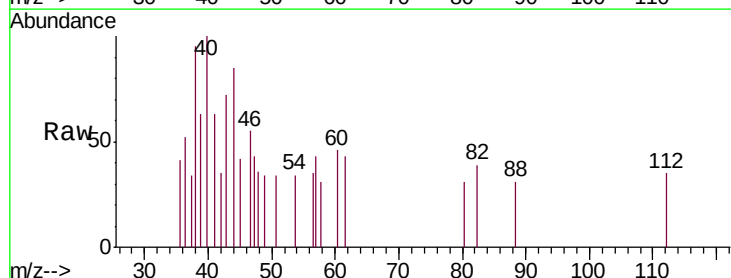
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 965.0 22.2 33.2#

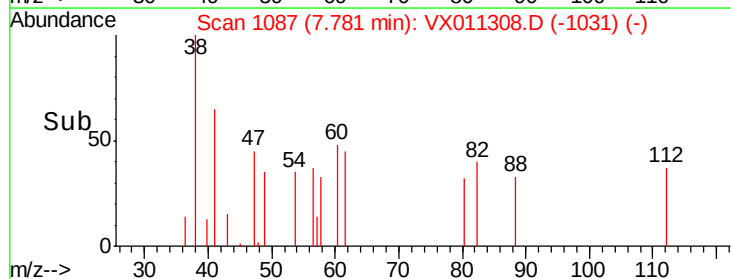
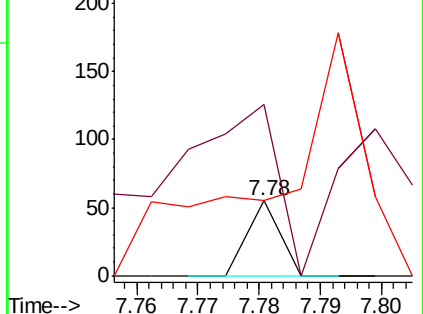
58 0.0 47.8 71.8#

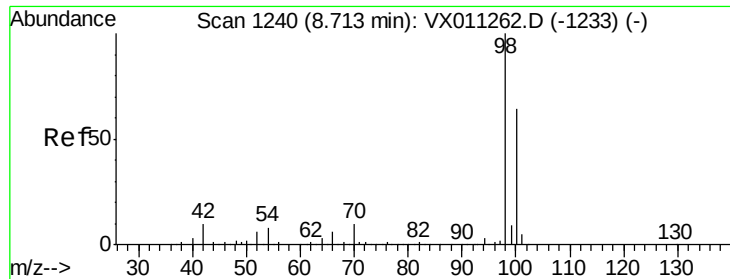


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.823 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011308.D

Acq: 02 Aug 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

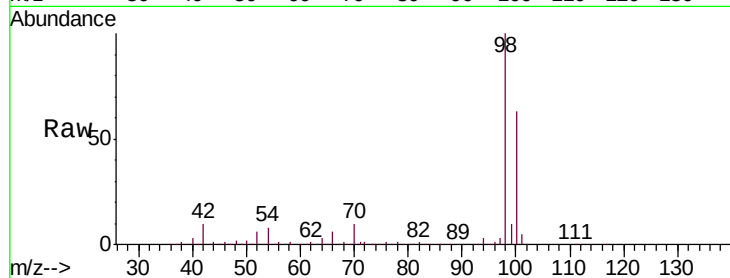
BP-VPB203-GW-658-660

Tgt Ion: 98 Resp: 280217

Ion Ratio Lower Upper

98 100

100 63.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

200000

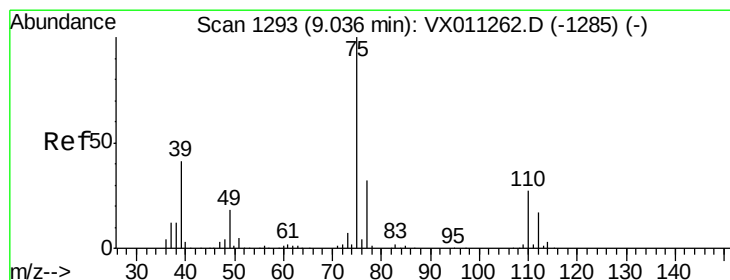
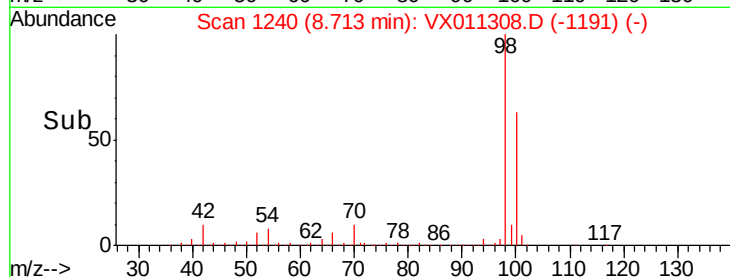
150000

100000

50000

0

Time--> 8.60 8.65 8.70 8.75 8.80



#53

t-1,3-Dichloropropene

Concen: 2.849 ug/l

RT: 9.08 min Scan# 1300

Delta R.T. 0.04 min

Lab File: VX011308.D

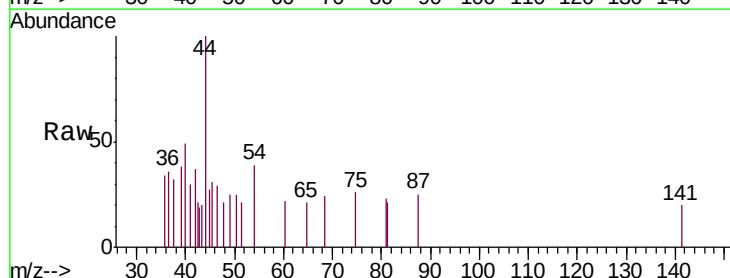
Acq: 02 Aug 2019 16:30

Tgt Ion: 75 Resp: 25

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.08

80

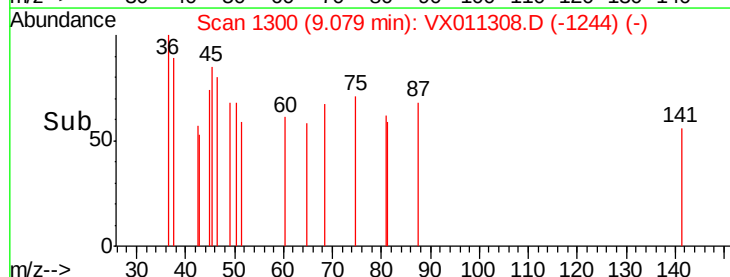
60

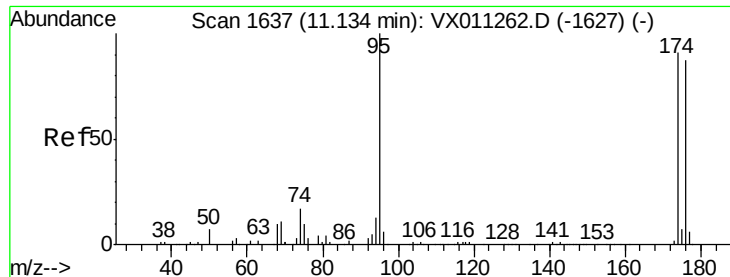
40

20

0

Time--> 9.06 9.07 9.08 9.09

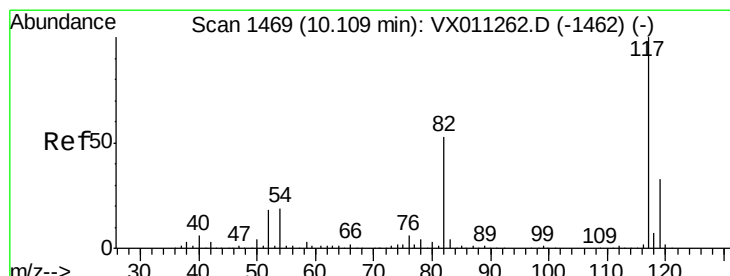
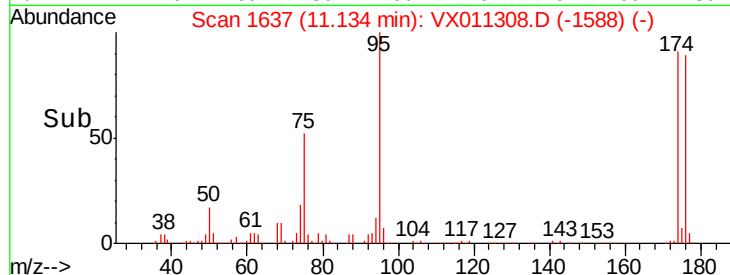
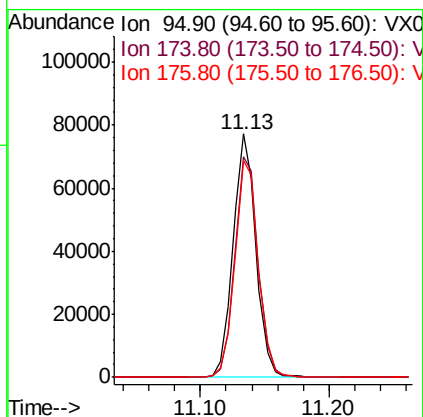
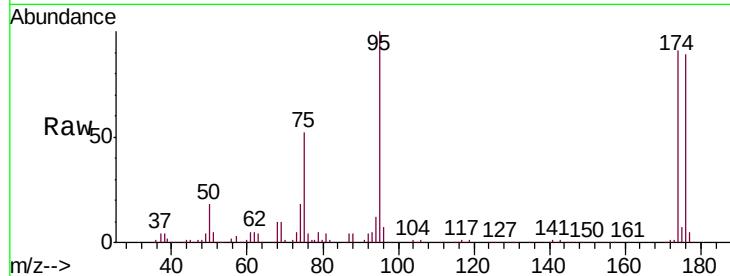




#62
4-Bromofluorobenzene
Concen: 47.775 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011308.D
Acq: 02 Aug 2019 16:30

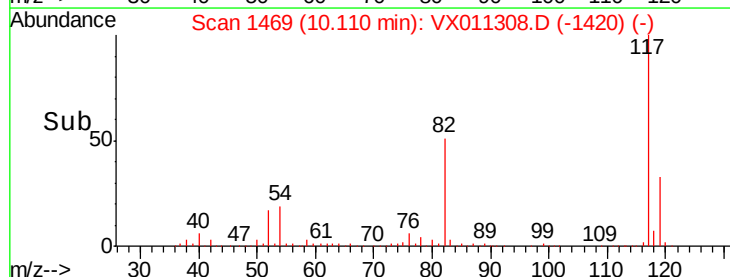
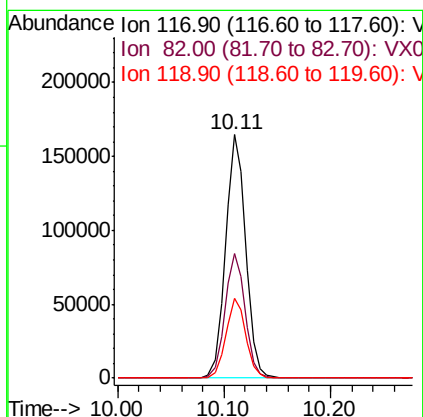
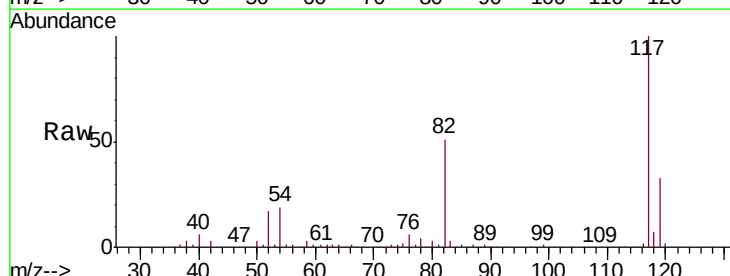
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-658-660

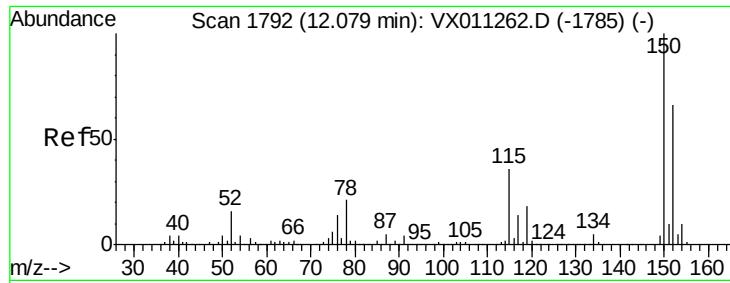
Tgt Ion: 95 Resp: 95932
Ion Ratio Lower Upper
95 100
174 92.6 0.0 191.2
176 90.6 0.0 184.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011308.D
Acq: 02 Aug 2019 16:30

Tgt Ion: 117 Resp: 218181
Ion Ratio Lower Upper
117 100
82 51.2 42.2 63.2
119 32.9 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011308.D

Acq: 02 Aug 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-658-660

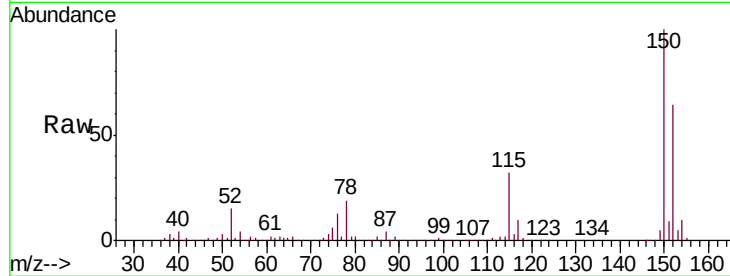
Tgt Ion:152 Resp: 101681

Ion Ratio Lower Upper

152 100

115 54.3 40.0 119.9

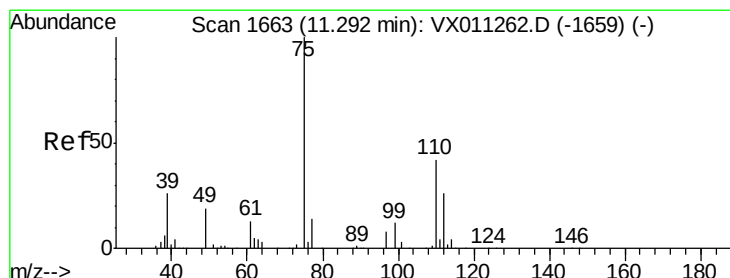
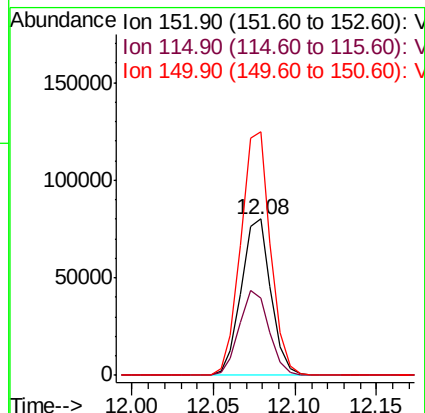
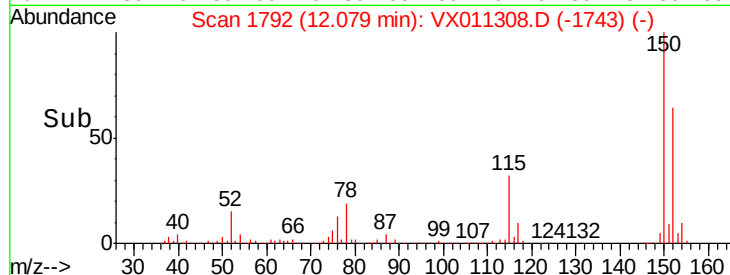
150 156.1 0.0 350.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 25.533 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011308.D

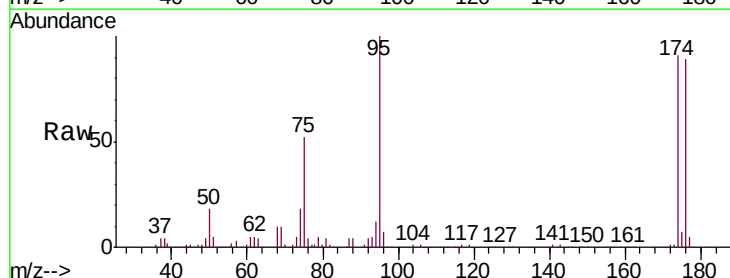
Acq: 02 Aug 2019 16:30

Tgt Ion: 75 Resp: 47281

Ion Ratio Lower Upper

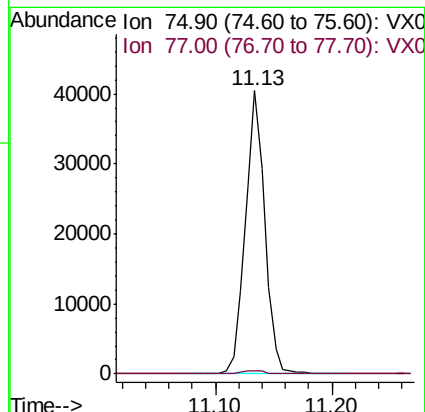
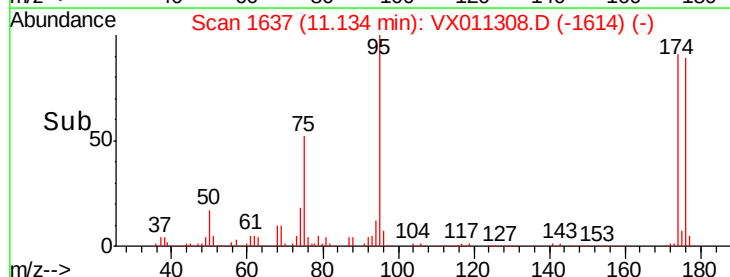
75 100

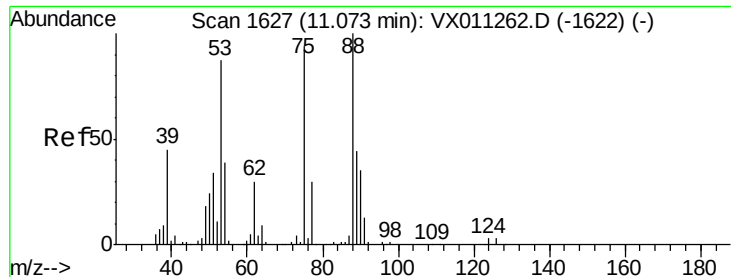
77 1.5 21.1 63.4#



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: 66.535 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011308.D

Acq: 02 Aug 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-658-660

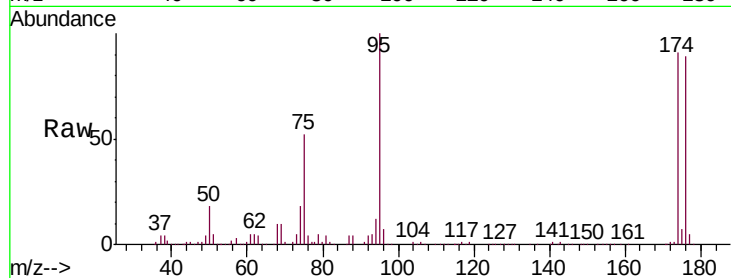
Tgt Ion: 75 Resp: 47281

Ion Ratio Lower Upper

75 100

53 0.6 78.2 117.4#

89 0.1 37.9 56.9#



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

