

Data File : VX011296.D
Acq On : 02 Aug 2019 11:49
Operator : JC/SP
Sample : K4043-13
Misc : 5.00g/10mL/100uL/10mL/MSVOA_X/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-258-260

Quant Time: Aug 03 05:40:32 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	148823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	235124	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	205764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	98134	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	77400	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
35) Dibromofluoromethane	5.49	113	70930	46.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.42%	
50) Toluene-d8	8.71	98	279785	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
62) 4-Bromofluorobenzene	11.13	95	88507	42.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.56%	

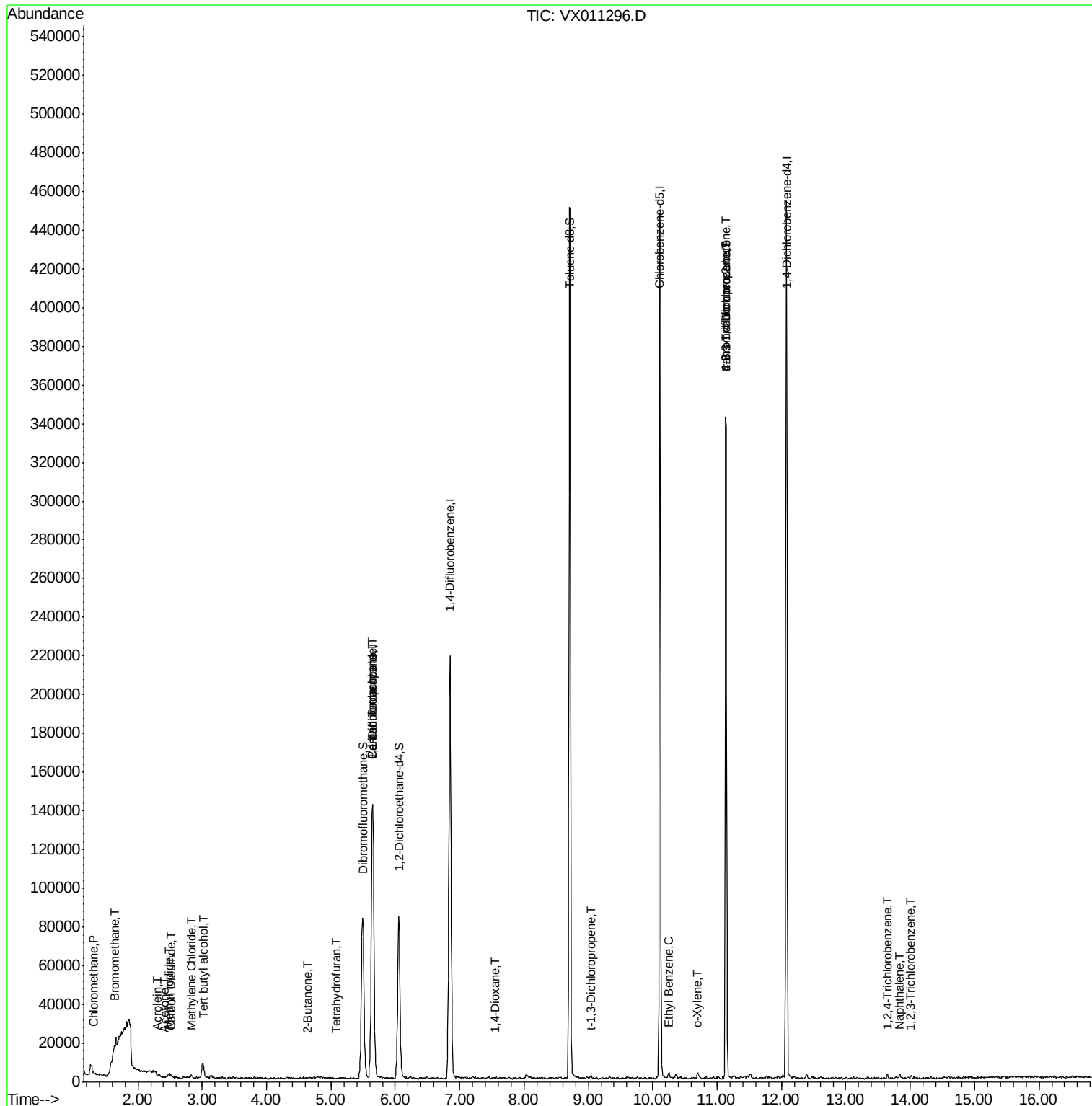
Target Compounds					Qvalue	
3) Chloromethane	1.31	50	574	0.445	ug/l	97
5) Bromomethane	1.63	94	880	0.869	ug/l	84
6) Chloroethane	1.71	64	206	Below Cal	#	54
10) Methyl Iodide	2.48	142	1656	0.962	ug/l #	96
11) Tert butyl alcohol	3.01	59	4409	14.774	ug/l #	78
13) Acrolein	2.31	56	131	0.283	ug/l #	20
16) Acetone	2.41	43	226	0.317	ug/l #	40
17) Carbon Disulfide	2.52	76	1159	0.365	ug/l #	74
20) Methylene Chloride	2.83	84	617	0.395	ug/l #	82
25) 2-Butanone	4.63	43	261	0.257	ug/l #	46
29) Tetrahydrofuran	5.09	42	166	0.267	ug/l #	61
36) 1,1-Dichloropropene	5.65	75	9635	4.693	ug/l #	50
38) Carbon Tetrachloride	5.65	117	13580	6.575	ug/l #	13
49) 1,4-Dioxane	7.56	88	77	1.714	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	163	2.906	ug/l #	43
67) Ethyl Benzene	10.26	91	1575	0.213	ug/l #	84
69) o-Xylene	10.70	106	721	0.257	ug/l	80
76) 1,2,3-Trichloropropane	11.13	75	42622	23.849	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	42622	62.445	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.65	180	529	0.241	ug/l	87
95) Naphthalene	13.83	128	1286	0.201	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.01	180	469	0.211	ug/l	96

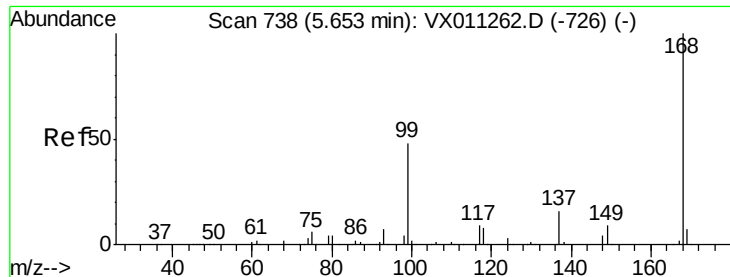
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VX011296.D
Acq On : 02 Aug 2019 11:49
Operator : JC/SP
Sample : K4043-13
Misc : 5.00g/10mL/100uL/10mL/MSVOA_X/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-258-260

Quant Time: Aug 03 05:40:32 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.01 min

Lab File: VX011296.D

Acq: 02 Aug 2019 11:49

Instrument :

MSVOA_N

ClientSampleId :

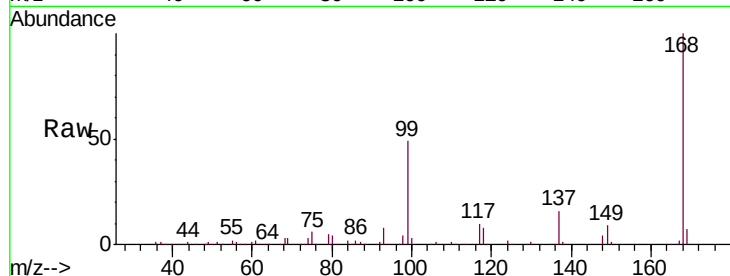
BP-VPB203-GW-258-260

Tgt Ion:168 Resp: 148823

Ion Ratio Lower Upper

168 100

99 48.6 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

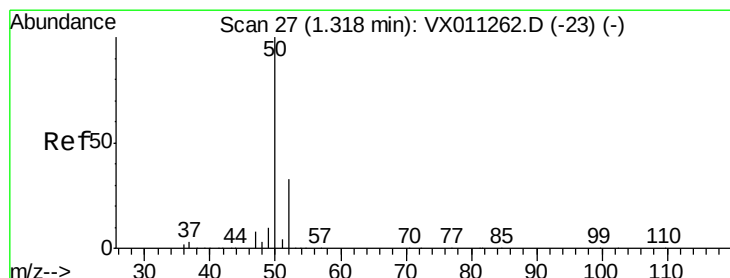
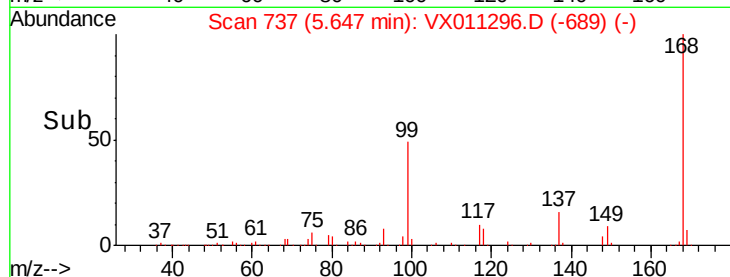
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.445 ug/l

RT: 1.31 min Scan# 26

Delta R.T. -0.01 min

Lab File: VX011296.D

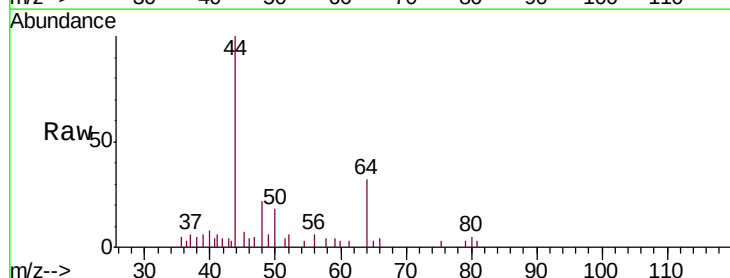
Acq: 02 Aug 2019 11:49

Tgt Ion: 50 Resp: 574

Ion Ratio Lower Upper

50 100

52 34.6 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

300

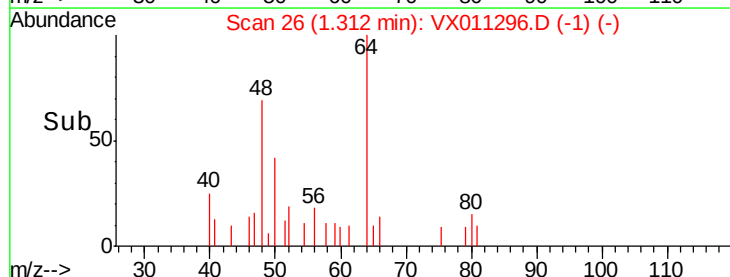
200

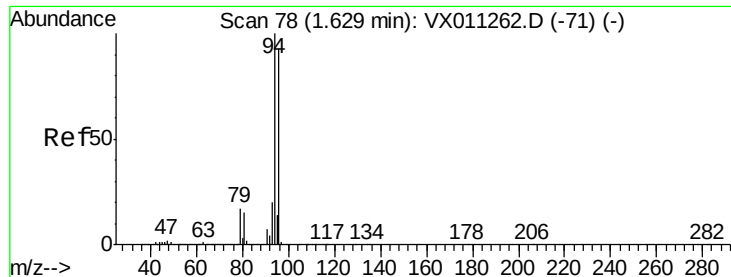
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.869 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011296.D

Acq: 02 Aug 2019 11:49

Instrument :

MSVOA_N

ClientSampleId :

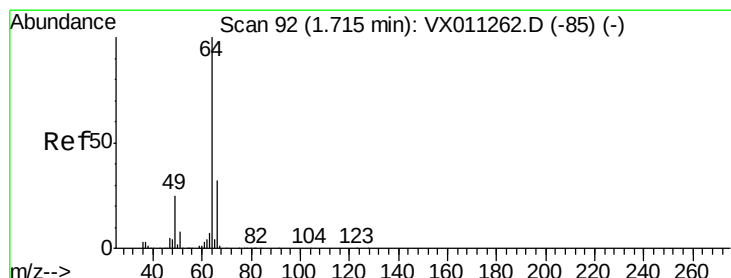
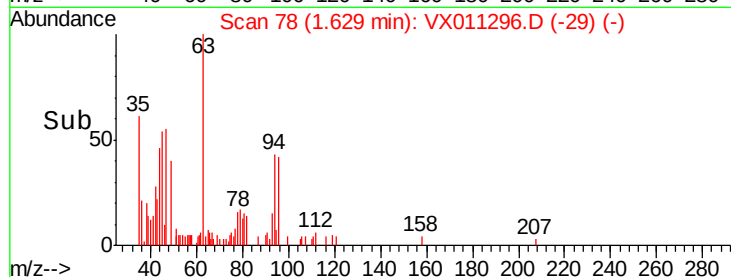
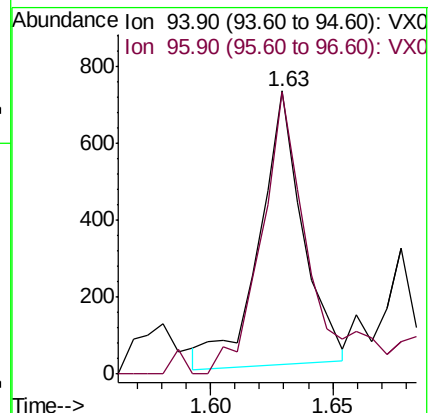
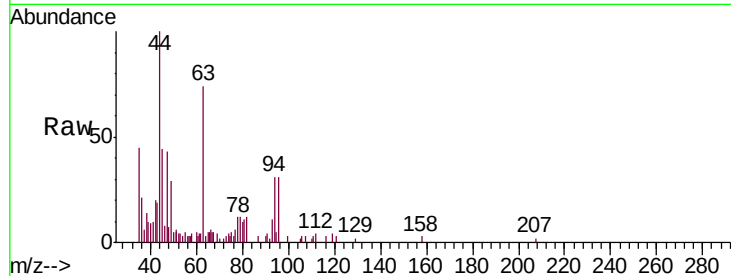
BP-VPB203-GW-258-260

Tgt Ion: 94 Resp: 880

Ion Ratio Lower Upper

94 100

96 109.1 74.6 112.0



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011296.D

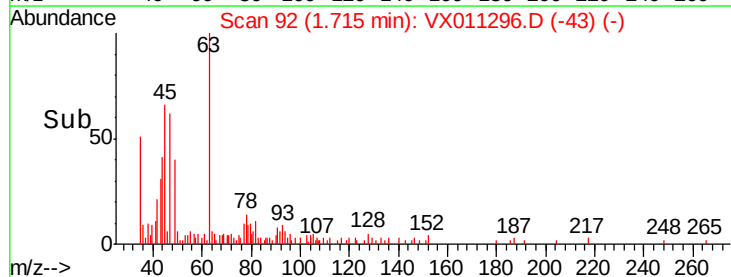
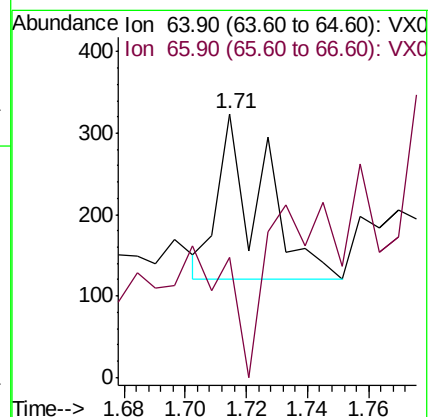
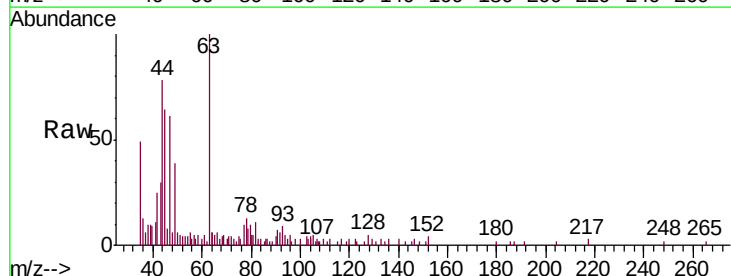
Acq: 02 Aug 2019 11:49

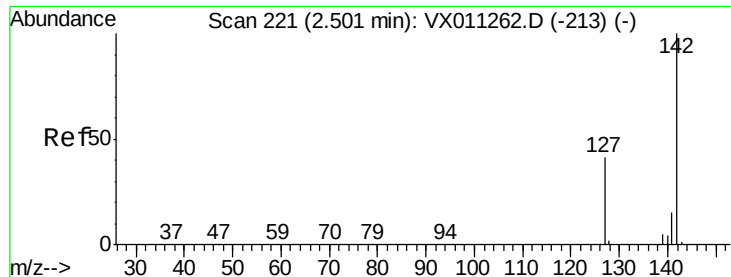
Tgt Ion: 64 Resp: 206

Ion Ratio Lower Upper

64 100

66 5.9 25.1 37.7#

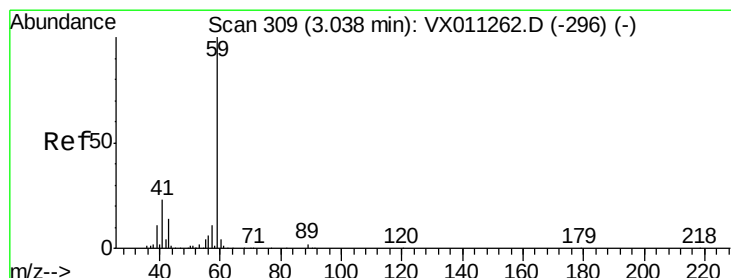
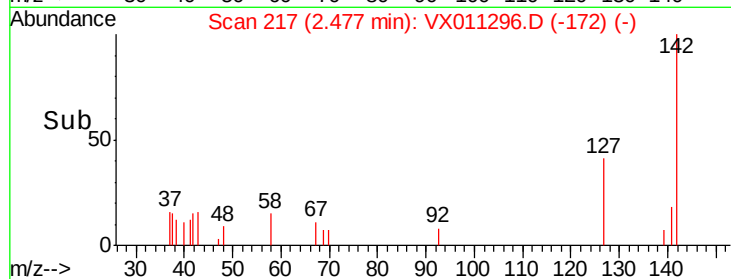
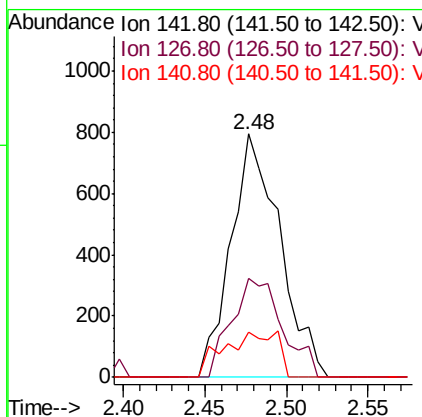
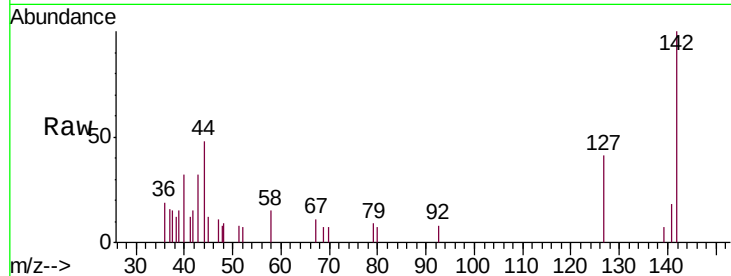




#10
Methyl Iodide
Concen: 0.962 ug/l
RT: 2.48 min Scan# 217
Delta R.T. -0.02 min
Lab File: VX011296.D
Acq: 02 Aug 2019 11:49

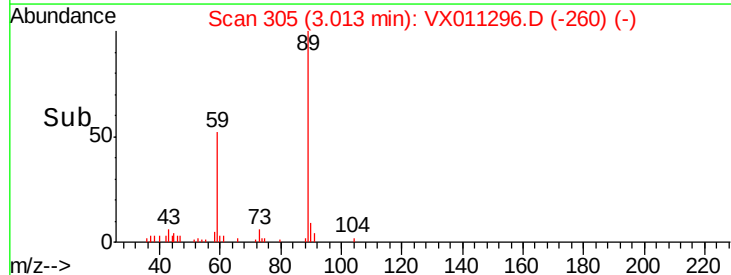
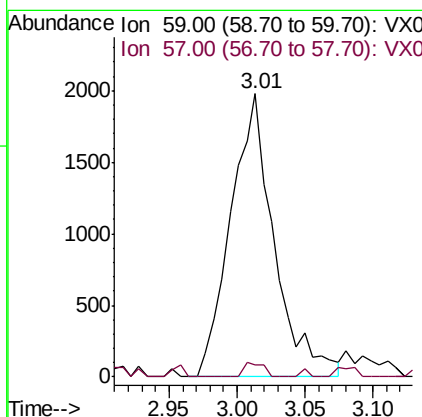
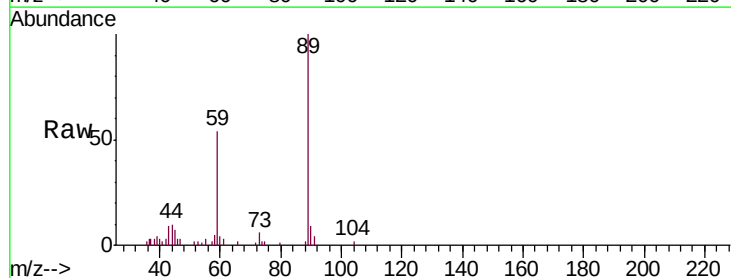
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-258-260

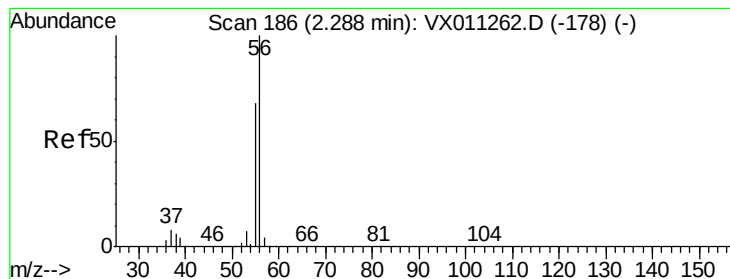
Tgt Ion:142 Resp: 1656
Ion Ratio Lower Upper
142 100
127 42.5 33.8 50.8
141 20.5 11.4 17.2#



#11
Tert butyl alcohol
Concen: 14.774 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.02 min
Lab File: VX011296.D
Acq: 02 Aug 2019 11:49

Tgt Ion: 59 Resp: 4409
Ion Ratio Lower Upper
59 100
57 2.2 8.3 12.5#





#13

Acrolein

Concen: 0.283 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.02 min

Lab File: VX011296.D

Acq: 02 Aug 2019 11:49

Instrument :

MSVOA_N

ClientSampleId :

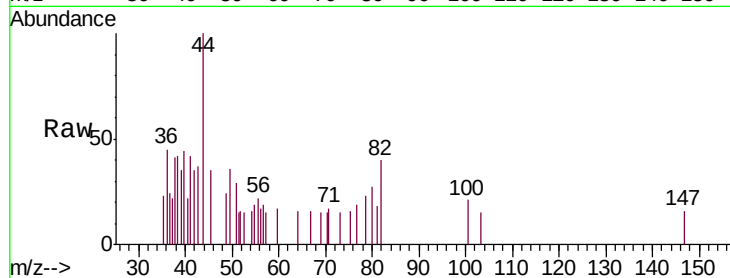
BP-VPB203-GW-258-260

Tgt Ion: 56 Resp: 131

Ion Ratio Lower Upper

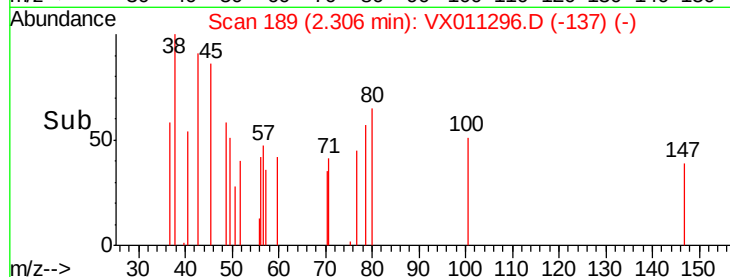
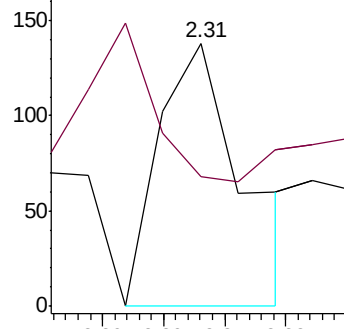
56 100

55 135.9 56.0 84.0#

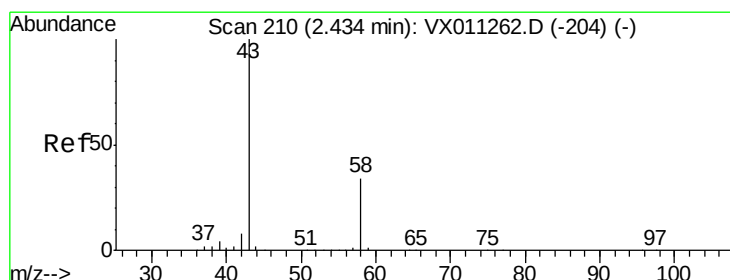


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 0.317 ug/l

RT: 2.41 min Scan# 206

Delta R.T. -0.02 min

Lab File: VX011296.D

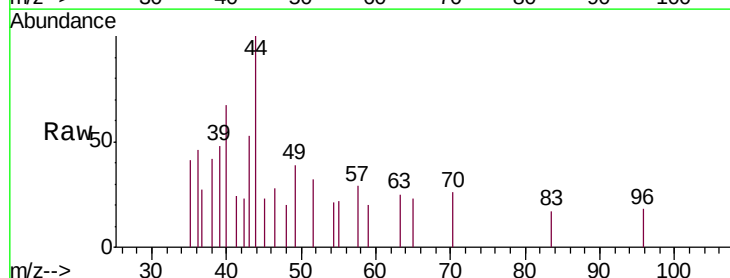
Acq: 02 Aug 2019 11:49

Tgt Ion: 43 Resp: 226

Ion Ratio Lower Upper

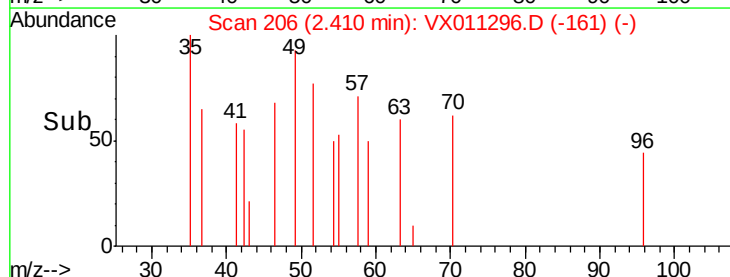
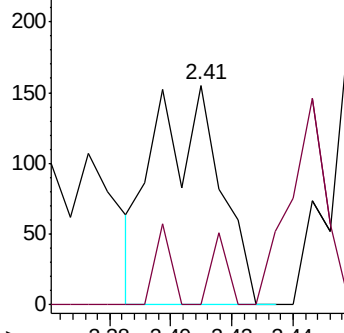
43 100

58 0.0 27.4 41.0#

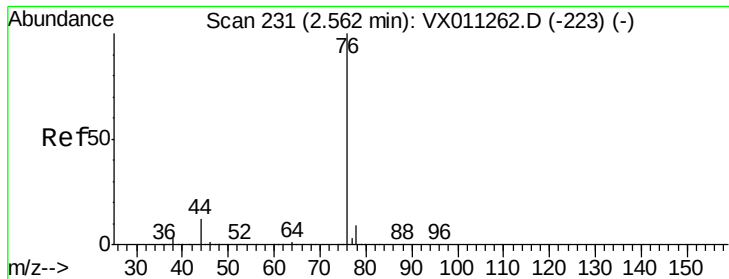


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#17

Carbon Disulfide

Concen: 0.365 ug/l

RT: 2.52 min Scan# 224

Delta R.T. -0.04 min

Lab File: VX011296.D

Acq: 02 Aug 2019 11:49

Instrument :

MSVOA_N

ClientSampleId :

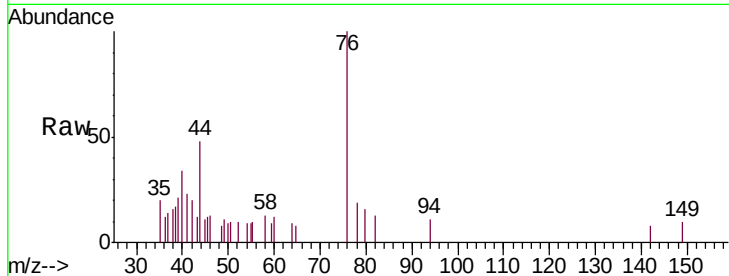
BP-VPB203-GW-258-260

Tgt Ion: 76 Resp: 1159

Ion Ratio Lower Upper

76 100

78 18.6 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.52

600

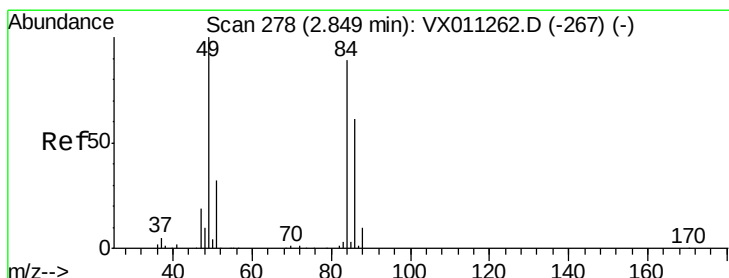
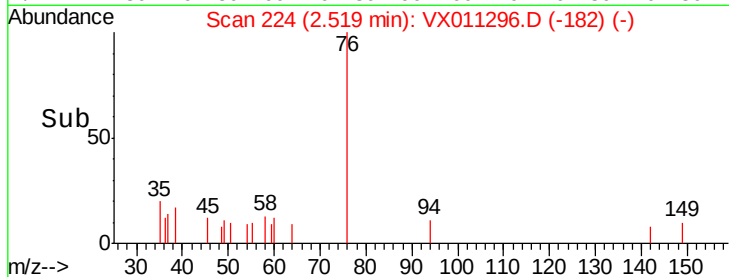
400

200

0

2.50 2.55

Time-->



#20

Methylene Chloride

Concen: 0.395 ug/l

RT: 2.83 min Scan# 275

Delta R.T. -0.02 min

Lab File: VX011296.D

Acq: 02 Aug 2019 11:49

Tgt Ion: 84 Resp: 617

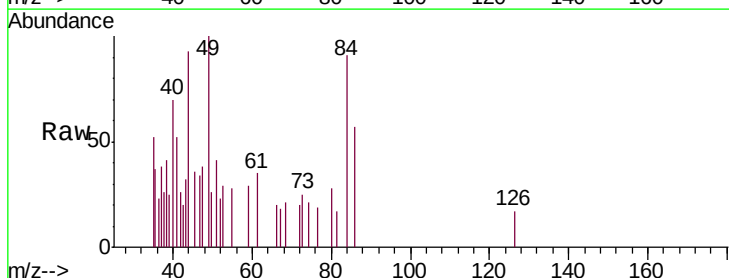
Ion Ratio Lower Upper

84 100

49 137.7 89.3 133.9#

51 45.4 28.3 42.5#

86 62.6 54.5 81.7



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

400

300

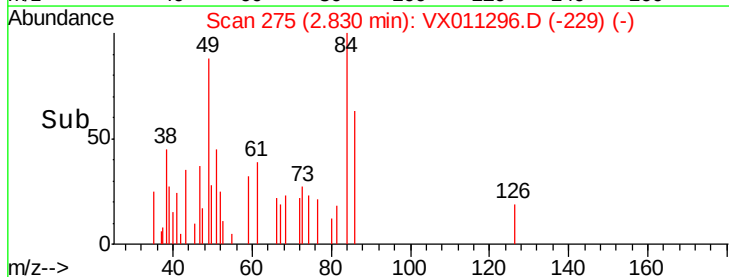
200

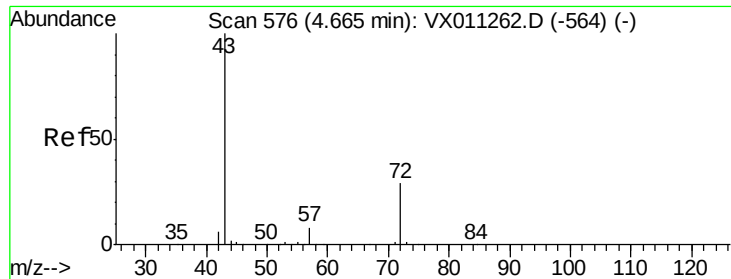
100

0

2.80 2.85 2.90

Time-->





#25

2-Butanone

Concen: 0.257 ug/l

RT: 4.63 min Scan# 571

Delta R.T. -0.03 min

Lab File: VX011296.D

Acq: 02 Aug 2019 11:49

Instrument :

MSVOA_N

ClientSampleId :

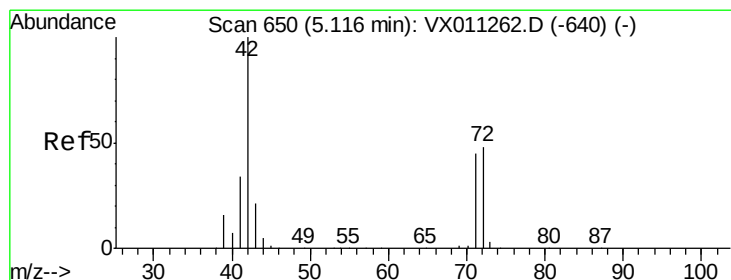
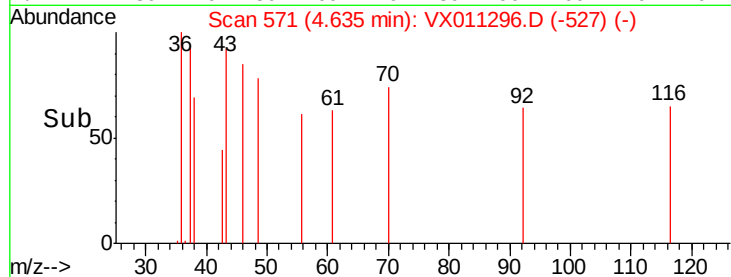
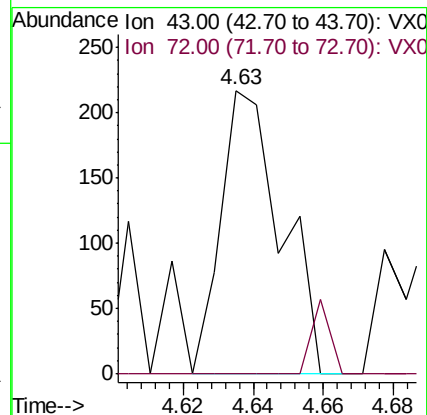
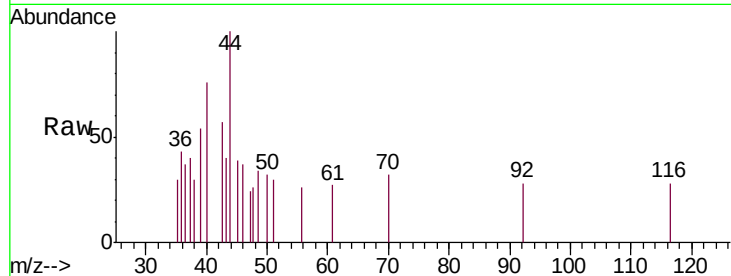
BP-VPB203-GW-258-260

Tgt Ion: 43 Resp: 261

Ion Ratio Lower Upper

43 100

72 0.0 23.2 34.8#



#29

Tetrahydrofuran

Concen: 0.267 ug/l

RT: 5.09 min Scan# 645

Delta R.T. -0.03 min

Lab File: VX011296.D

Acq: 02 Aug 2019 11:49

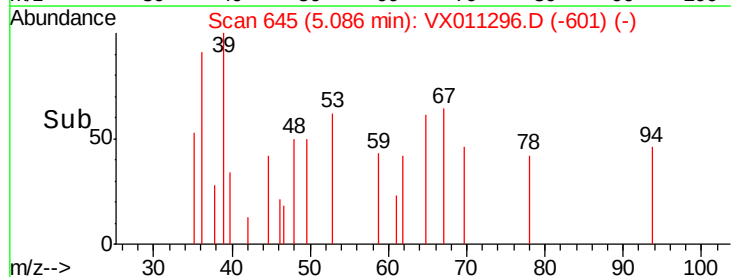
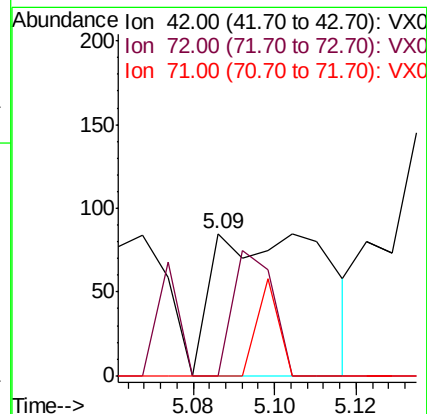
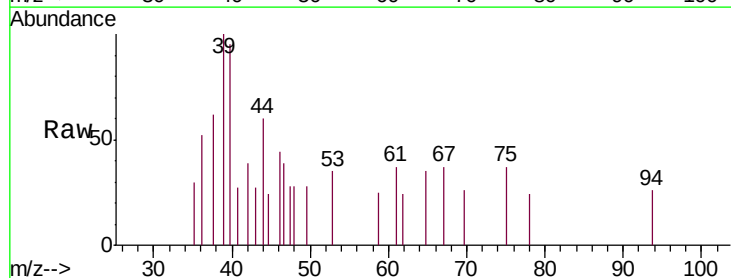
Tgt Ion: 42 Resp: 166

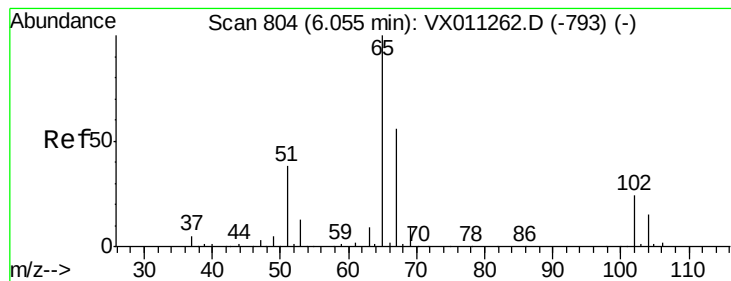
Ion Ratio Lower Upper

42 100

72 30.7 39.9 59.9#

71 12.7 36.9 55.3#





#33

1,2-Dichloroethane-d4

Concen: 51.644 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011296.D

Acq: 02 Aug 2019 11:49

Instrument :

MSVOA_N

ClientSampleId :

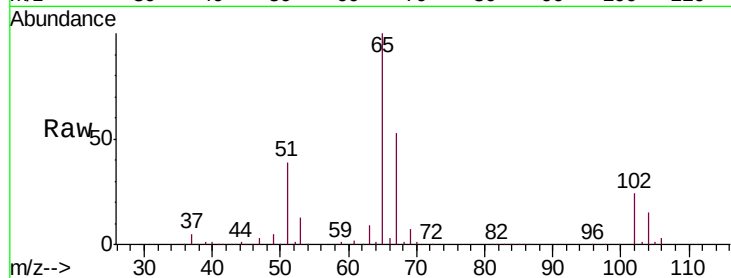
BP-VPB203-GW-258-260

Tgt Ion: 65 Resp: 77400

Ion Ratio Lower Upper

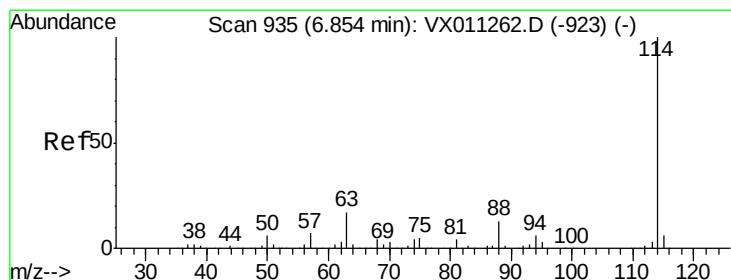
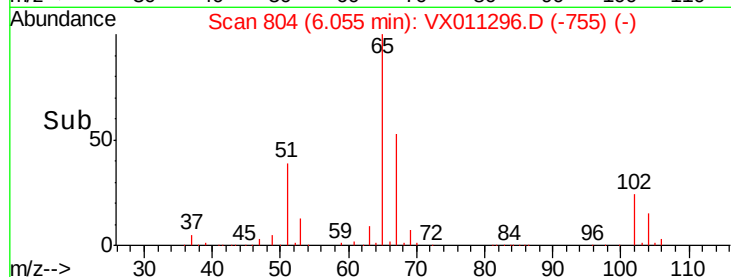
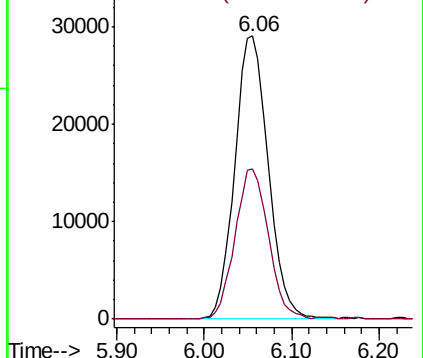
65 100

67 52.8 0.0 110.6



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# 935

Delta R.T. 0.00 min

Lab File: VX011296.D

Acq: 02 Aug 2019 11:49

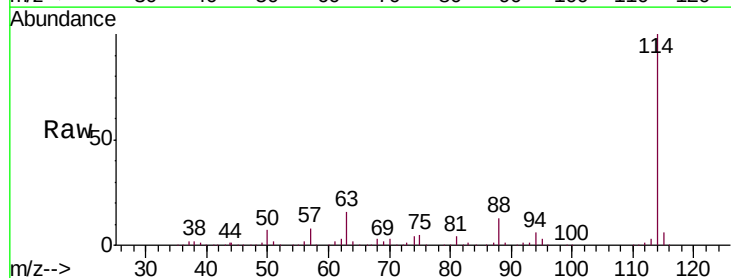
Tgt Ion: 114 Resp: 235124

Ion Ratio Lower Upper

114 100

63 16.5 0.0 34.0

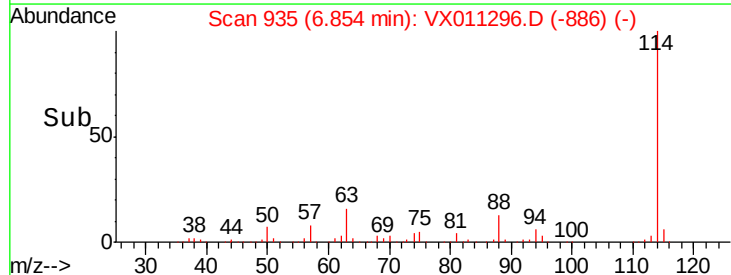
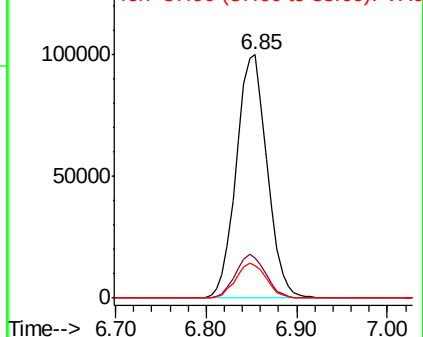
88 13.2 0.0 26.4

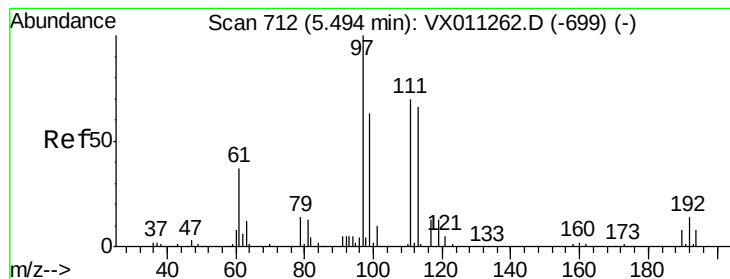


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.206 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011296.D

Acq: 02 Aug 2019 11:49

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-258-260

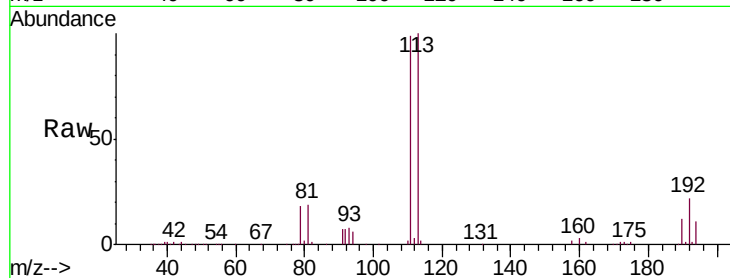
Tgt Ion:113 Resp: 70930

Ion Ratio Lower Upper

113 100

111 101.0 81.9 122.9

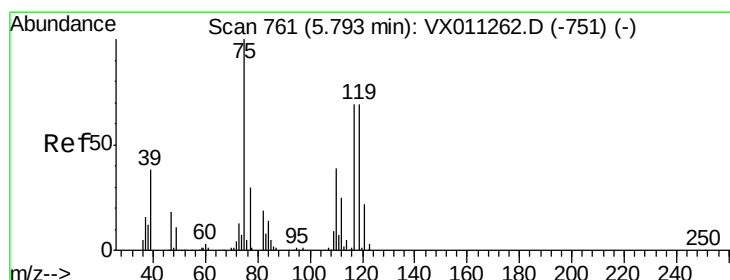
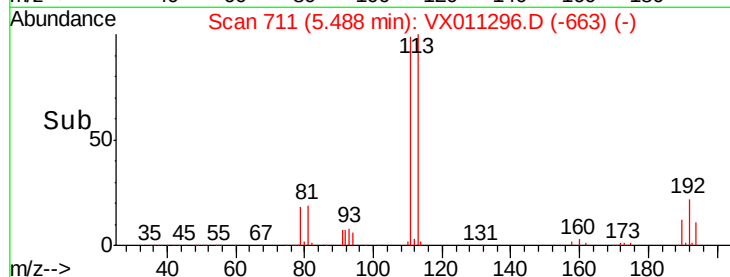
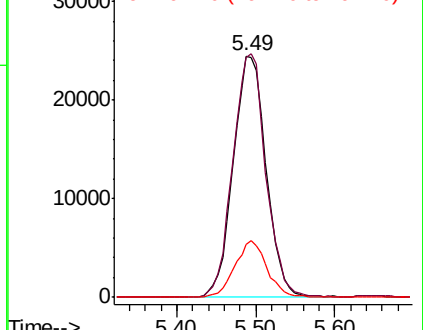
192 22.9 17.8 26.8



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



#36

1,1-Dichloropropene

Concen: 4.693 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011296.D

Acq: 02 Aug 2019 11:49

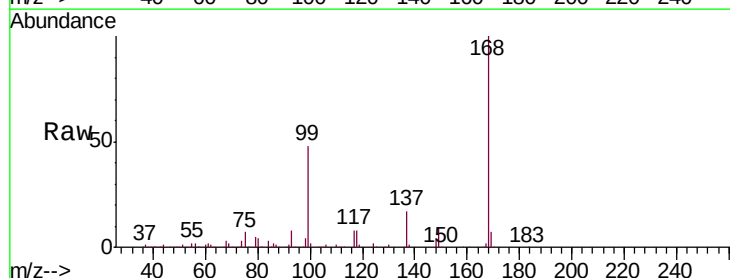
Tgt Ion: 75 Resp: 9635

Ion Ratio Lower Upper

75 100

110 11.6 20.0 59.9#

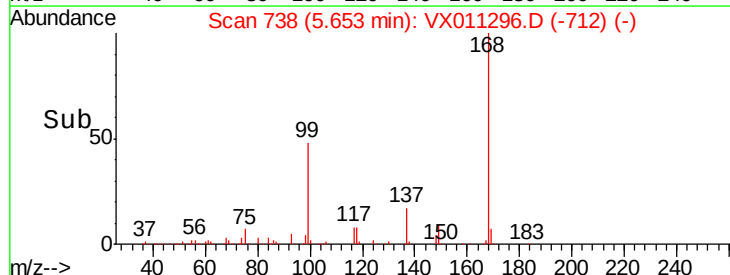
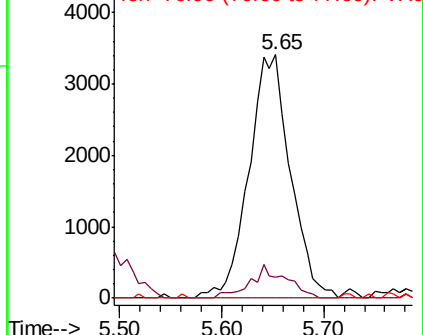
77 0.0 24.8 37.2#

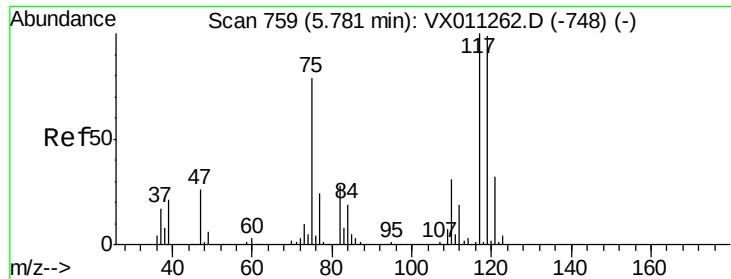


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.575 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.13 min

Lab File: VX011296.D

Acq: 02 Aug 2019 11:49

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-258-260

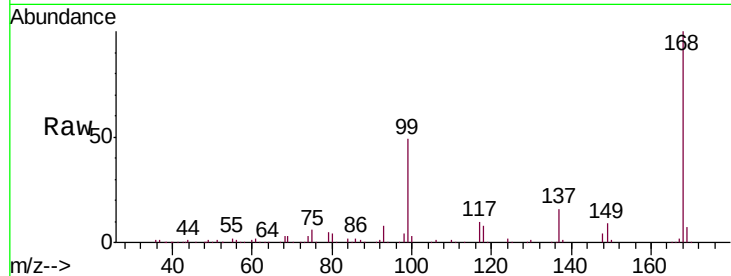
Tgt Ion:117 Resp: 13580

Ion Ratio Lower Upper

117 100

119 3.2 79.0 118.4#

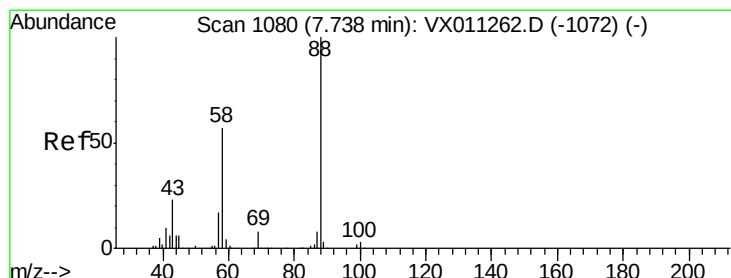
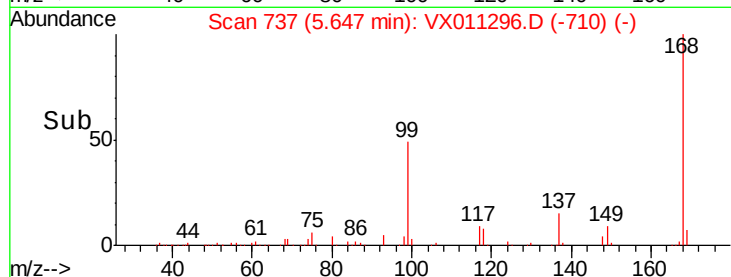
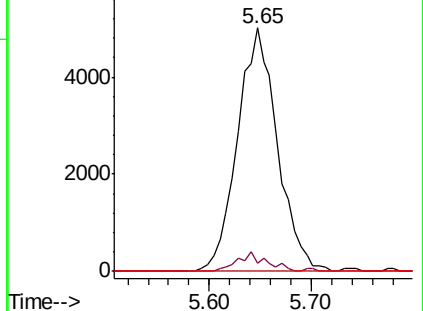
121 0.0 25.9 38.9#



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: 1.714 ug/l

RT: 7.56 min Scan# 1050

Delta R.T. -0.18 min

Lab File: VX011296.D

Acq: 02 Aug 2019 11:49

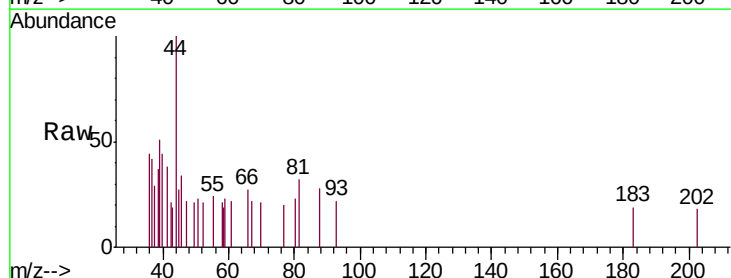
Tgt Ion: 88 Resp: 77

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.2#

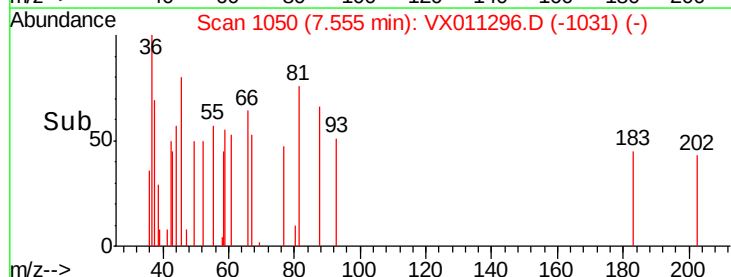
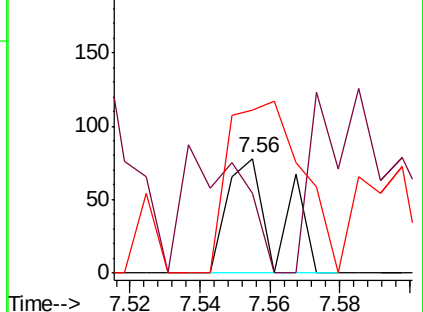
58 223.4 47.8 71.8#

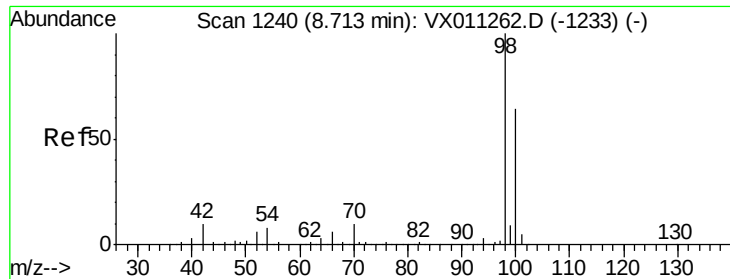


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

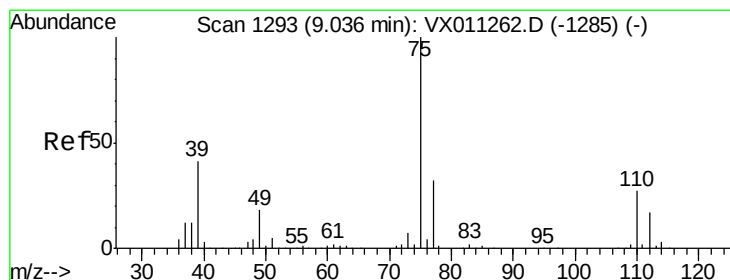
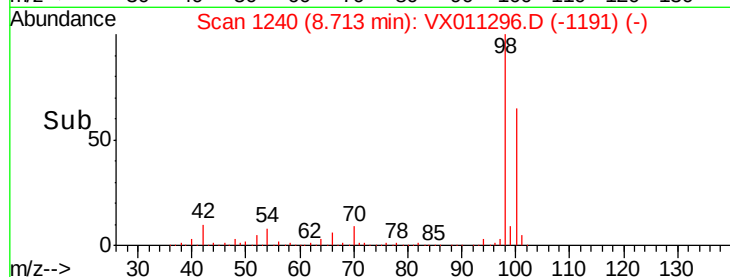
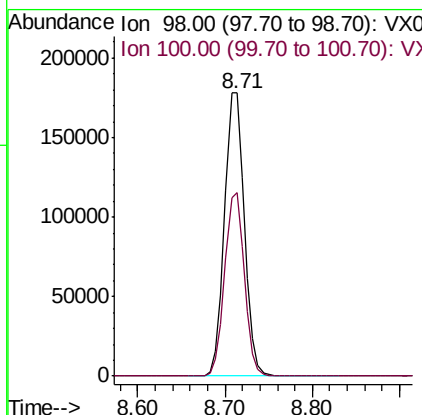
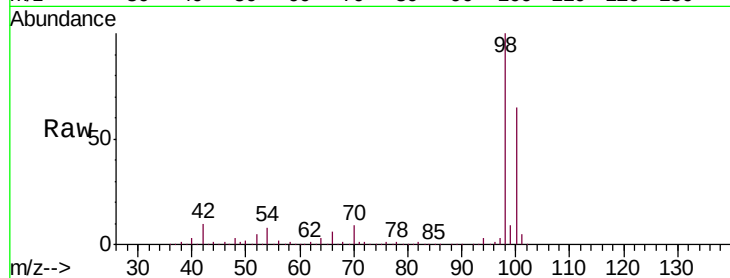




#50
Toluene-d8
Concen: 48.285 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011296.D
Acq: 02 Aug 2019 11:49

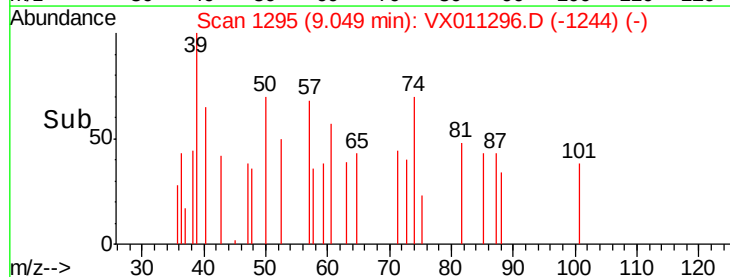
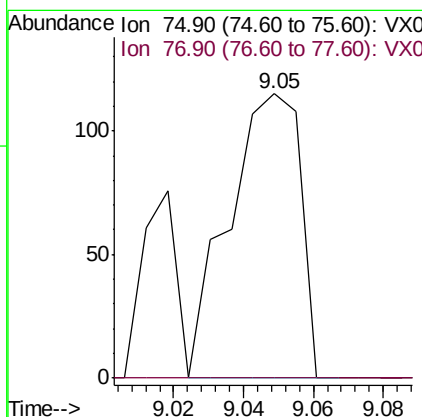
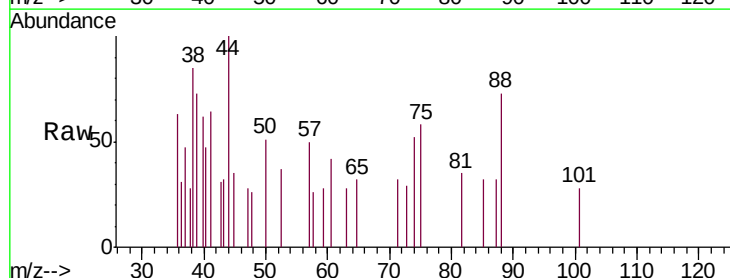
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-258-260

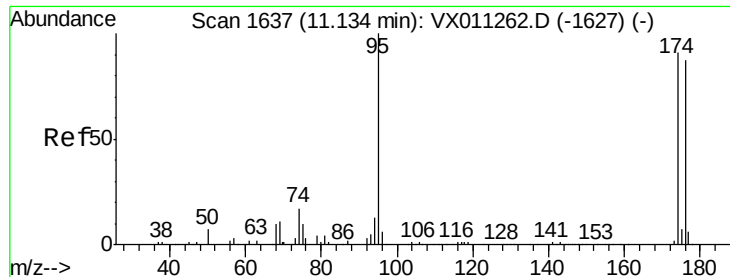
Tgt Ion: 98 Resp: 279785
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 2.906 ug/l
RT: 9.05 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX011296.D
Acq: 02 Aug 2019 11:49

Tgt Ion: 75 Resp: 163
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#





#62

4-Bromofluorobenzene

Concen: 42.782 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011296.D

Acq: 02 Aug 2019 11:49

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-258-260

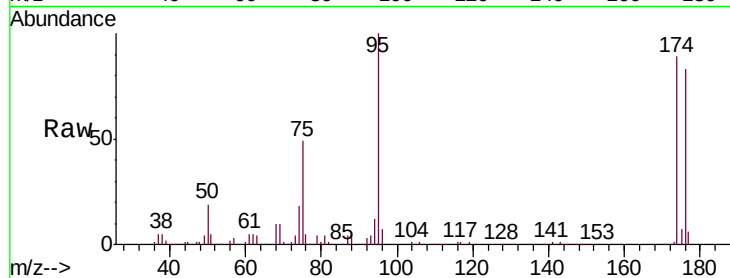
Tgt Ion: 95 Resp: 88507

Ion Ratio Lower Upper

95 100

174 96.4 0.0 191.2

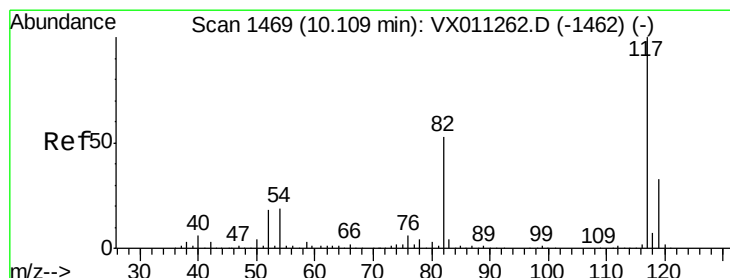
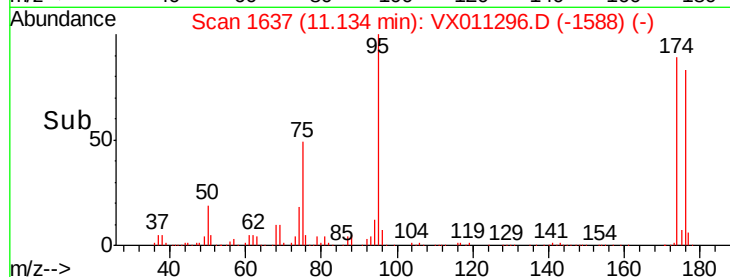
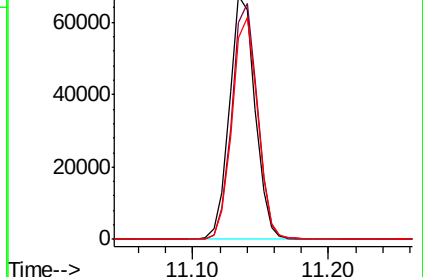
176 91.3 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VX011262.D (-1627) (-)

Ion 173.80 (173.50 to 174.50): VX011262.D (-1627) (-)

Ion 175.80 (175.50 to 176.50): VX011262.D (-1627) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011296.D

Acq: 02 Aug 2019 11:49

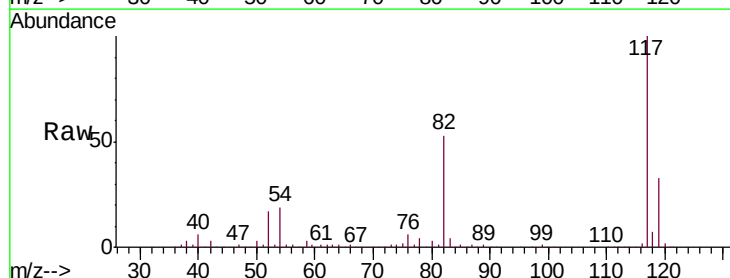
Tgt Ion: 117 Resp: 205764

Ion Ratio Lower Upper

117 100

82 52.7 42.2 63.2

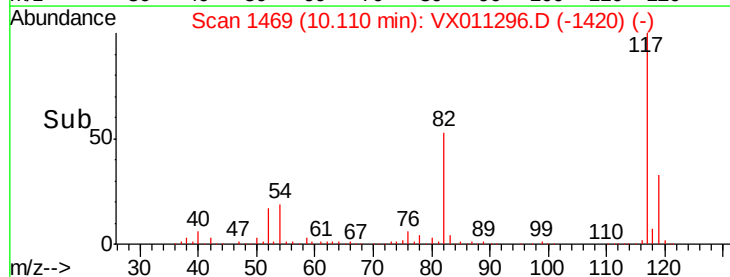
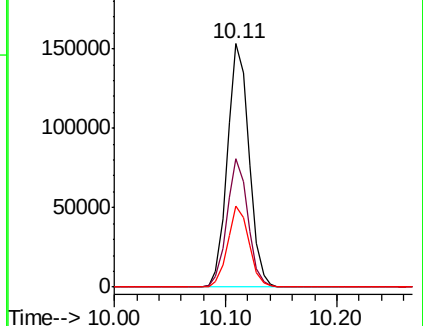
119 33.2 26.6 39.8

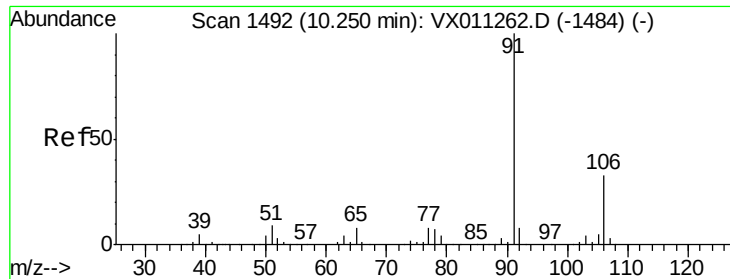


Abundance Ion 116.90 (116.60 to 117.60): VX011262.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX011262.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX011262.D (-1462) (-)





#67

Ethyl Benzene

Concen: 0.213 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VX011296.D

Acq: 02 Aug 2019 11:49

Instrument :

MSVOA_N

ClientSampleId :

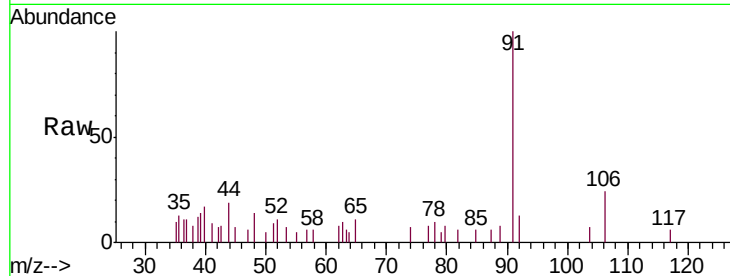
BP-VPB203-GW-258-260

Tgt Ion: 91 Resp: 1575

Ion Ratio Lower Upper

91 100

106 23.7 26.2 39.4#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

1200

1000

800

600

400

200

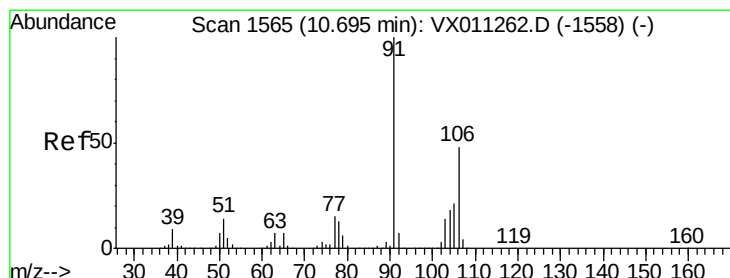
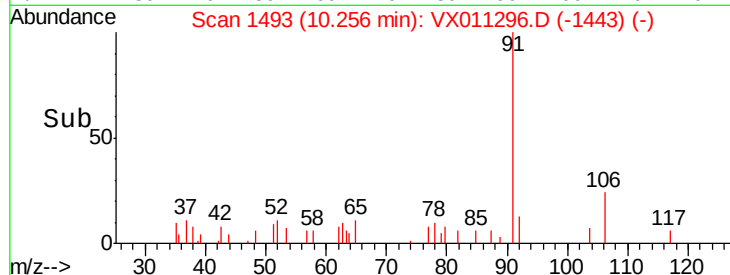
0

10.20

10.25

10.30

Time-->



#69

o-Xylene

Concen: 0.257 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX011296.D

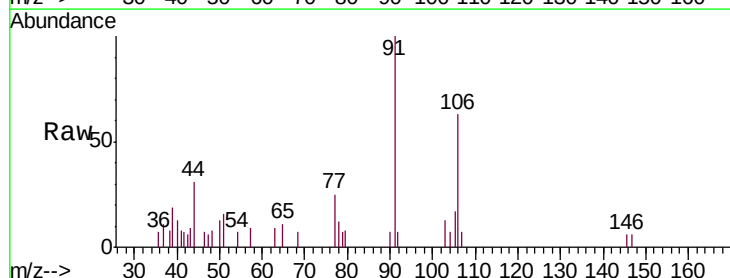
Acq: 02 Aug 2019 11:49

Tgt Ion: 106 Resp: 721

Ion Ratio Lower Upper

106 100

91 176.3 103.8 311.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

1000

800

600

400

200

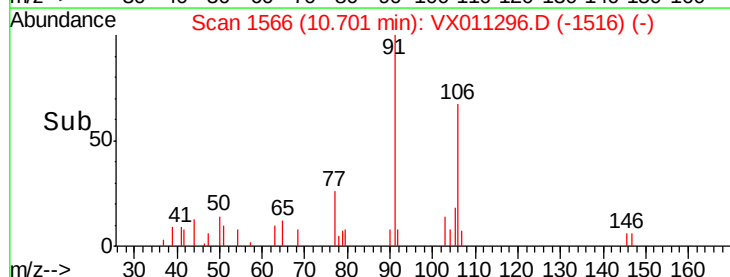
0

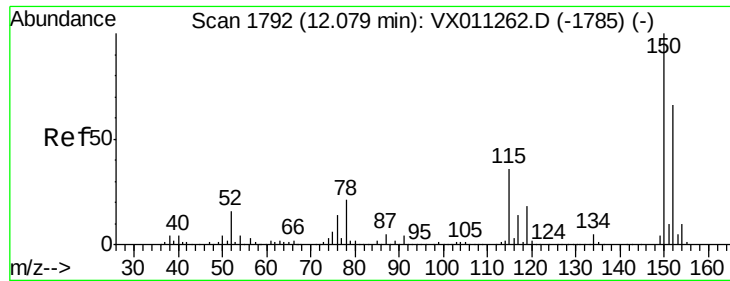
10.65

10.70

10.75

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011296.D

Acq: 02 Aug 2019 11:49

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-258-260

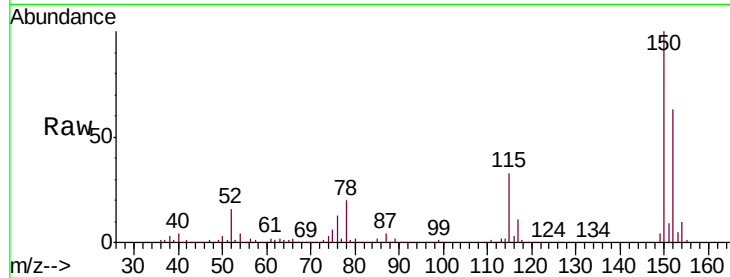
Tgt Ion:152 Resp: 98134

Ion Ratio Lower Upper

152 100

115 55.0 40.0 119.9

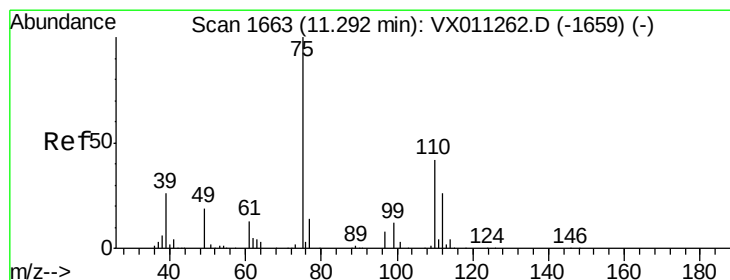
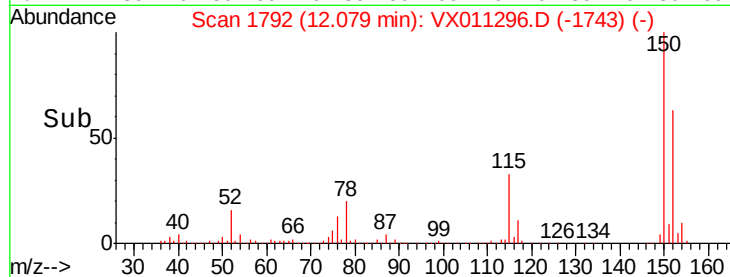
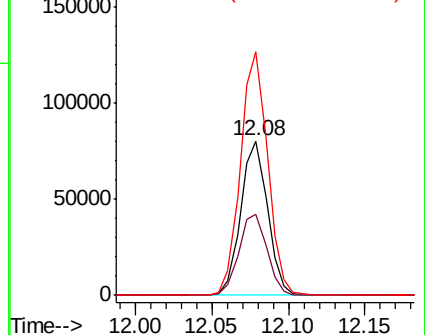
150 158.8 0.0 350.4



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: 23.849 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011296.D

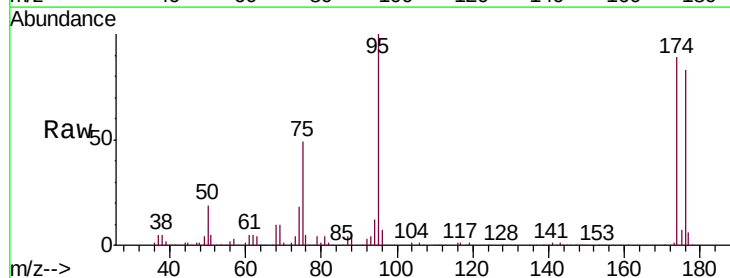
Acq: 02 Aug 2019 11:49

Tgt Ion: 75 Resp: 42622

Ion Ratio Lower Upper

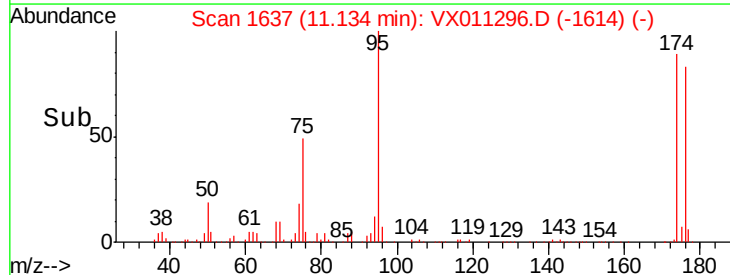
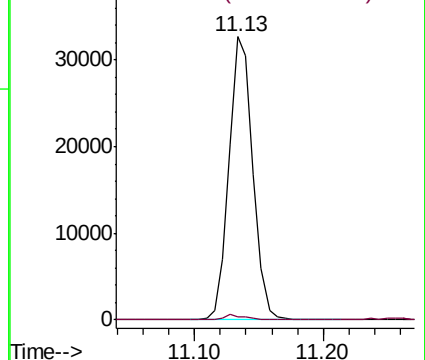
75 100

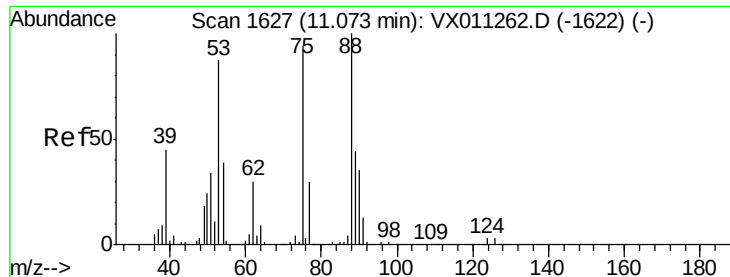
77 1.7 21.1 63.4#



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: 62.445 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011296.D

Acq: 02 Aug 2019 11:49

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-258-260

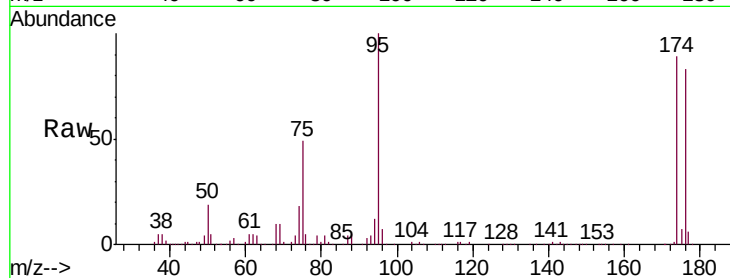
Tgt Ion: 75 Resp: 42622

Ion Ratio Lower Upper

75 100

53 0.3 78.2 117.4#

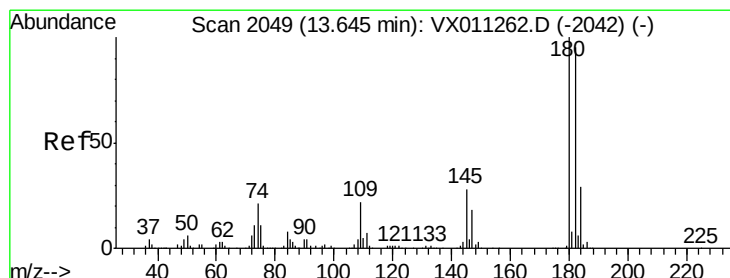
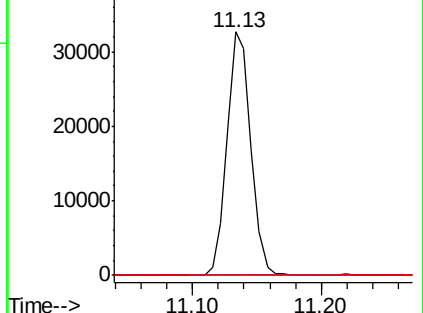
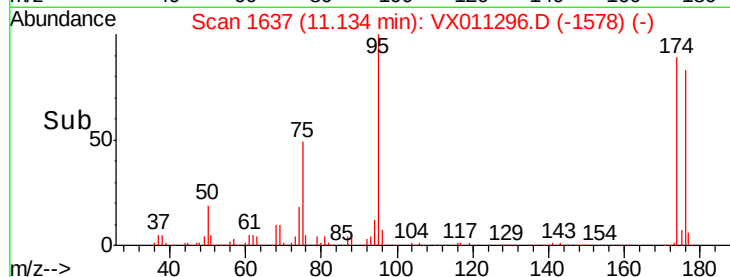
89 0.0 37.9 56.9#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.241 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX011296.D

Acq: 02 Aug 2019 11:49

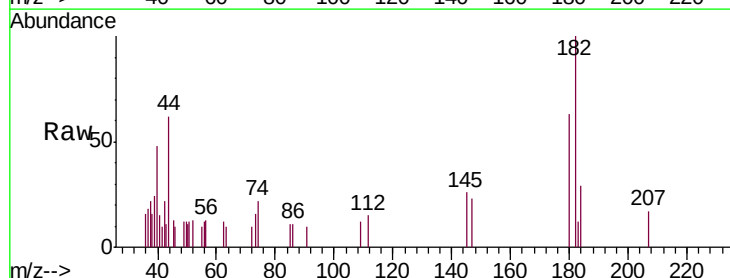
Tgt Ion:180 Resp: 529

Ion Ratio Lower Upper

180 100

182 110.4 47.8 143.4

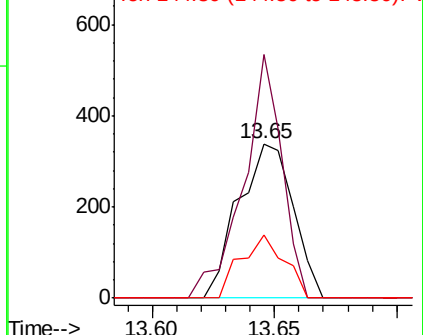
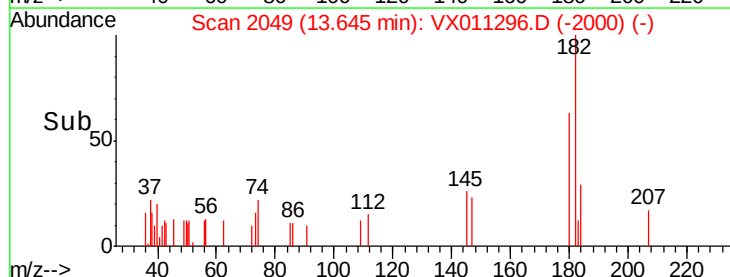
145 32.7 14.8 44.3

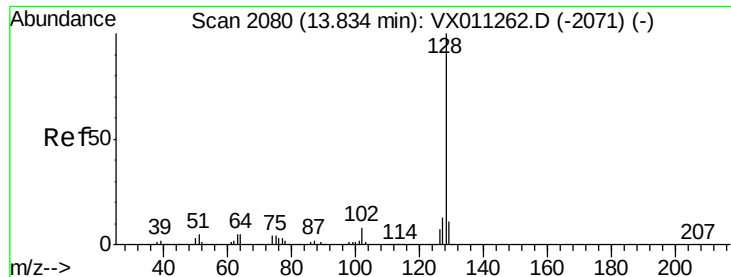


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 0.201 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX011296.D

Acq: 02 Aug 2019 11:49

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-258-260

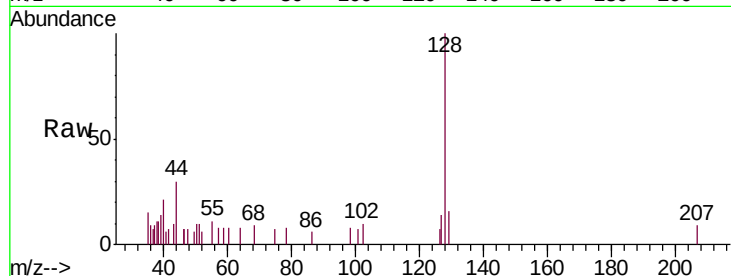
Tgt Ion:128 Resp: 1286

Ion Ratio Lower Upper

128 100

127 16.4 10.4 15.6#

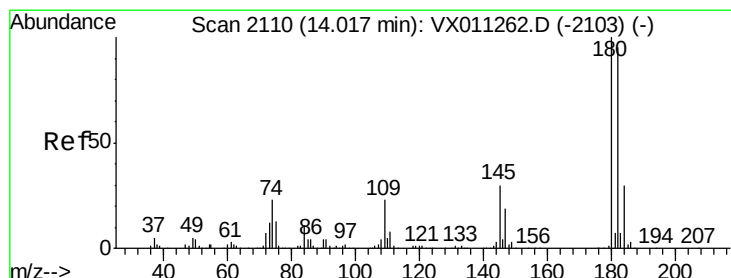
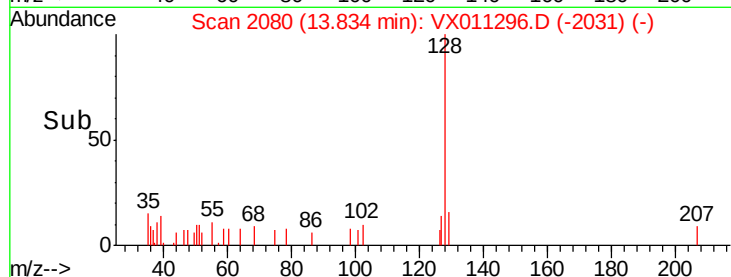
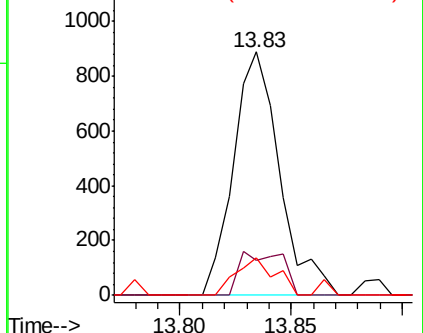
129 13.2 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.211 ug/l

RT: 14.01 min Scan# 2109

Delta R.T. -0.01 min

Lab File: VX011296.D

Acq: 02 Aug 2019 11:49

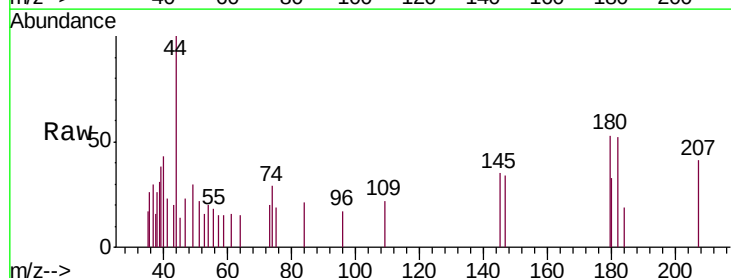
Tgt Ion:180 Resp: 469

Ion Ratio Lower Upper

180 100

182 92.5 47.4 142.3

145 34.3 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

