

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX073119\
 Data File : VX011245.D
 Acq On : 31 Jul 2019 16:06
 Operator : JC/SP
 Sample : K4043-13
 Misc : 5.0g/10mL/100uL/10mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jul 31 16:38:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	240347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	342282	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	277626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	138201	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	117420	45.92	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.84%		
35) Dibromofluoromethane	5.49	113	94256	43.39	ug/l	0.00
Spiked Amount 50.000			Recovery =	86.78%		
50) Toluene-d8	8.71	98	386637	47.45	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.90%		
62) 4-Bromofluorobenzene	11.13	95	121040	40.41	ug/l	0.00
Spiked Amount 50.000			Recovery =	80.82%		

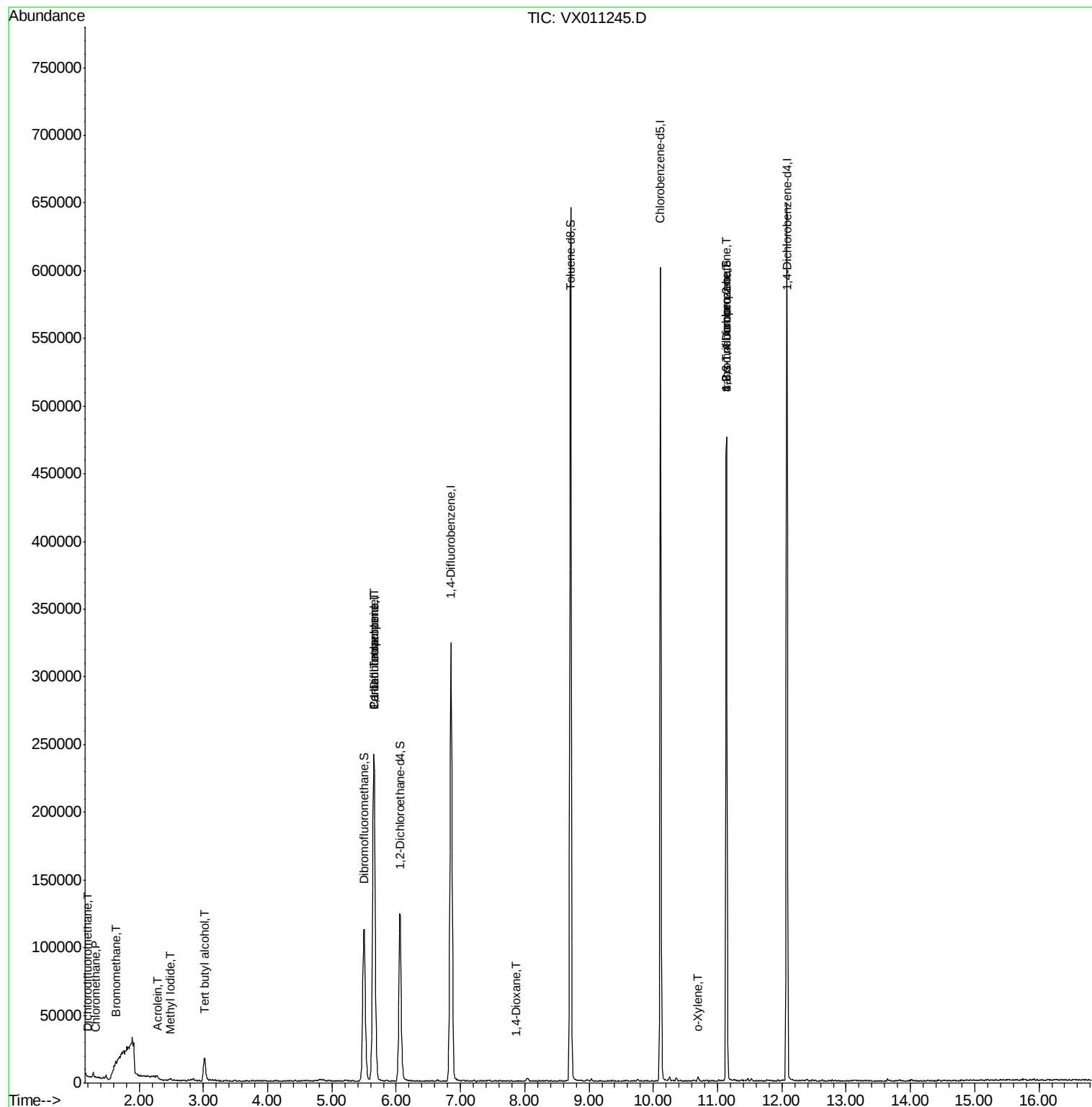
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	53	0.567	ug/l #	1
3) Chloromethane	1.33	50	580	0.262	ug/l #	69
5) Bromomethane	1.64	94	1311	1.032	ug/l	90
10) Methyl Iodide	2.48	142	899	0.314	ug/l #	96
11) Tert butyl alcohol	3.02	59	10453	17.554	ug/l #	79
13) Acrolein	2.28	56	168	0.488	ug/l #	54
36) 1,1-Dichloropropene	5.65	75	16231	5.773	ug/l #	49
38) Carbon Tetrachloride	5.65	117	22002	7.510	ug/l #	16
49) 1,4-Dioxane	7.87	88	19	0.295	ug/l #	1
69) o-Xylene	10.70	106	791	0.218	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	61070	24.488	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	61070	61.082	ug/l #	11

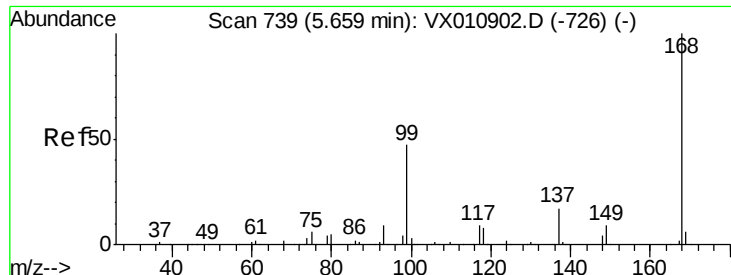
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX073119\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX011245.D

Acq: 31 Jul 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

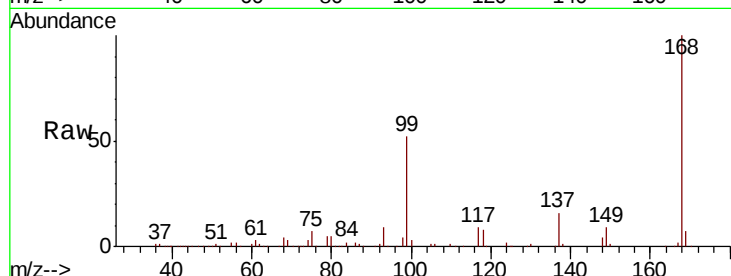
BP-VPB203-GW-258-260

Tgt Ion:168 Resp: 240347

Ion Ratio Lower Upper

168 100

99 51.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

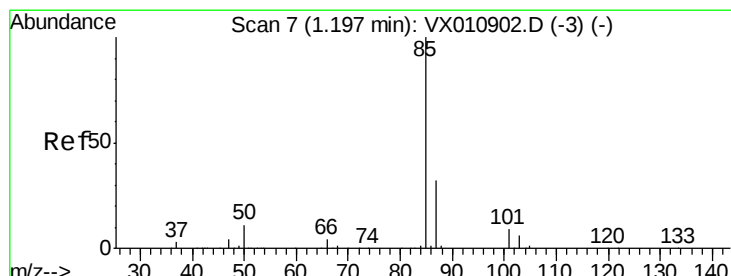
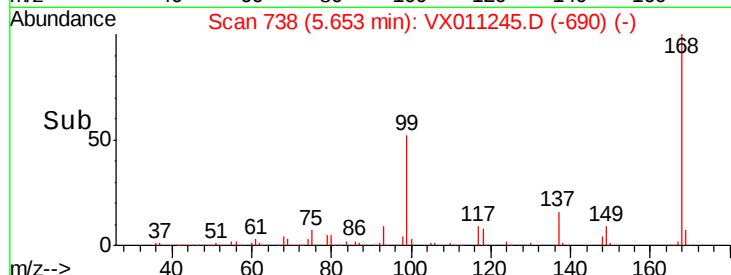
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.567 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX011245.D

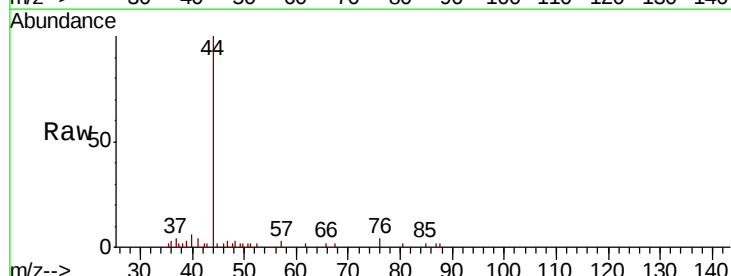
Acq: 31 Jul 2019 16:06

Tgt Ion: 85 Resp: 53

Ion Ratio Lower Upper

85 100

87 165.8 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

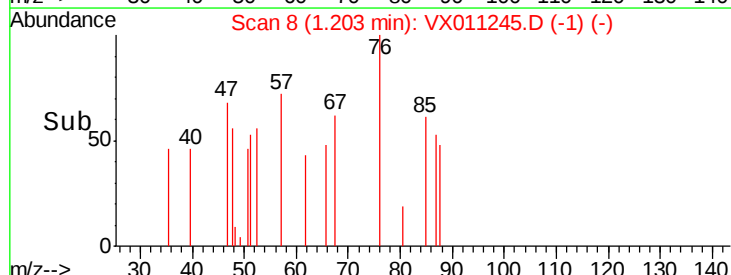
1.20

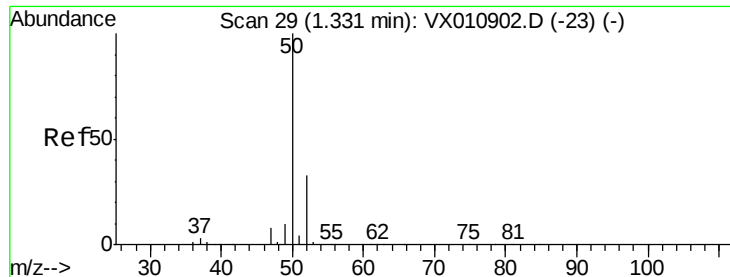
100

50

0

Time--> 1.18 1.20 1.22





#3

Chloromethane

Concen: 0.262 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011245.D

Acq: 31 Jul 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

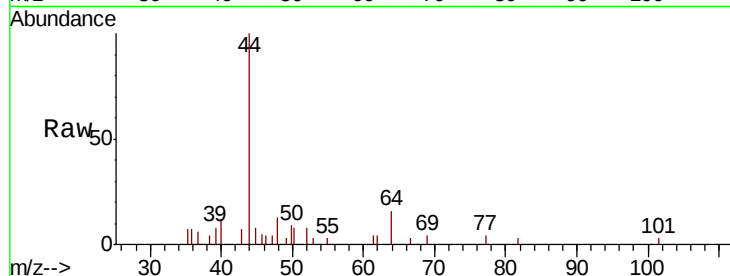
BP-VPB203-GW-258-260

Tgt Ion: 50 Resp: 580

Ion Ratio Lower Upper

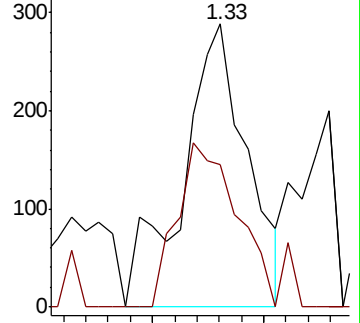
50 100

52 50.3 26.4 39.6#

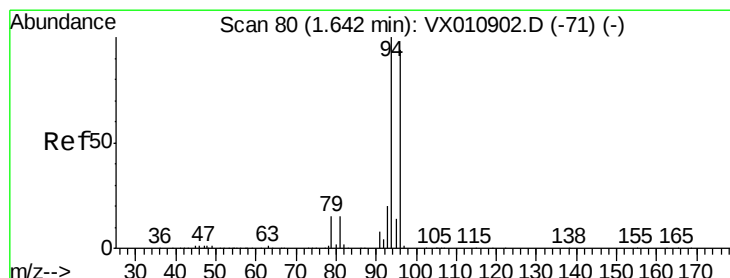
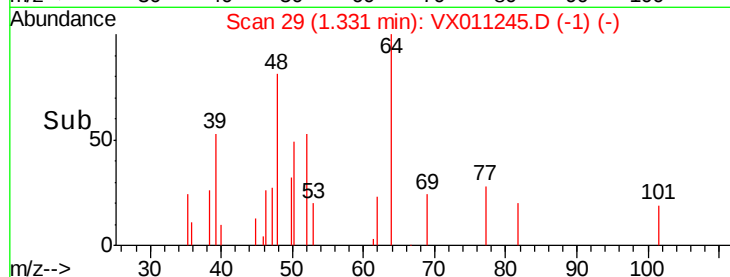


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#5

Bromomethane

Concen: 1.032 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX011245.D

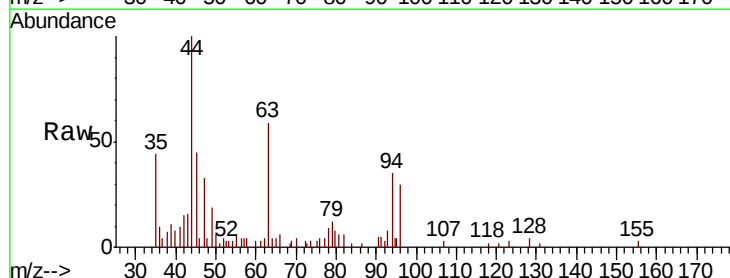
Acq: 31 Jul 2019 16:06

Tgt Ion: 94 Resp: 1311

Ion Ratio Lower Upper

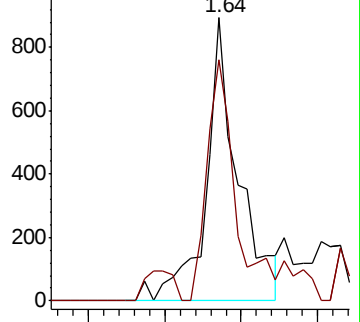
94 100

96 85.1 75.6 113.4

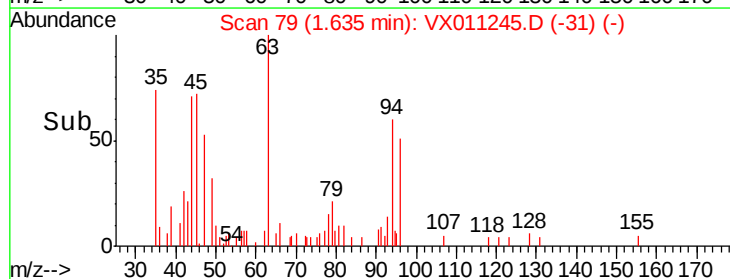


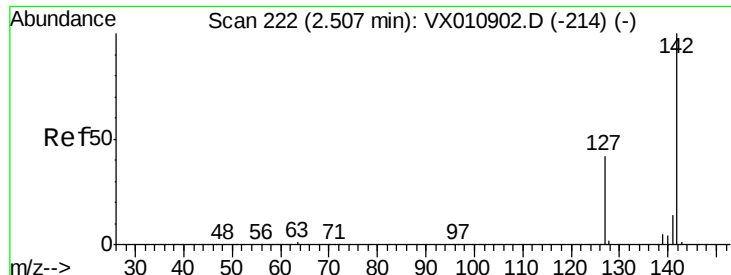
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->

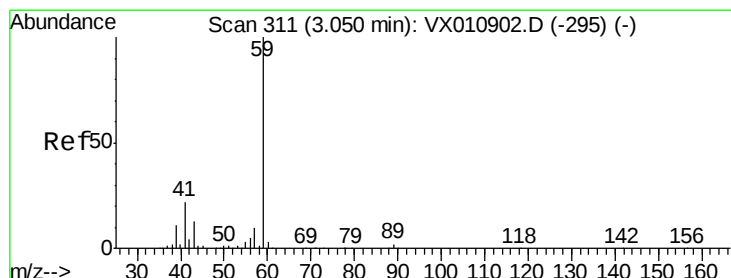
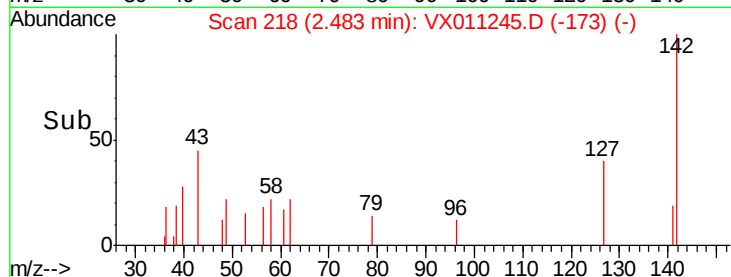
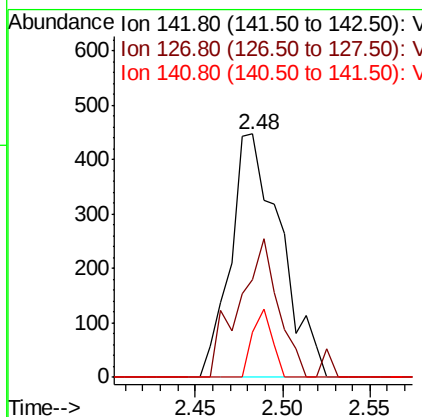
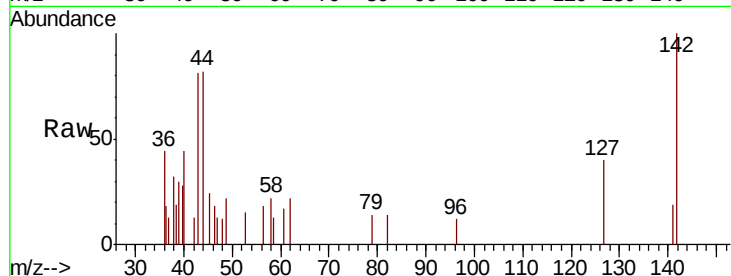




#10
Methyl Iodide
Concen: 0.314 ug/l
RT: 2.48 min Scan# 218
Delta R.T. -0.02 min
Lab File: VX011245.D
Acq: 31 Jul 2019 16:06

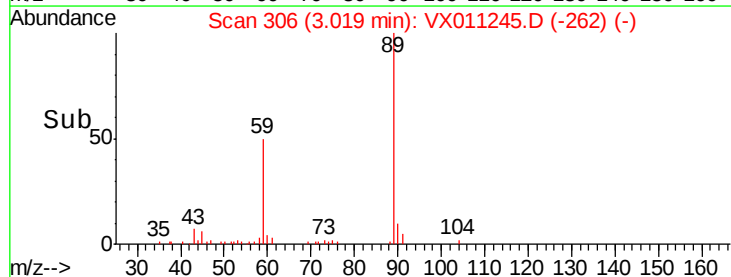
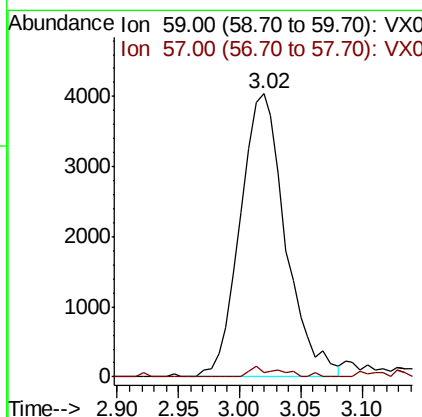
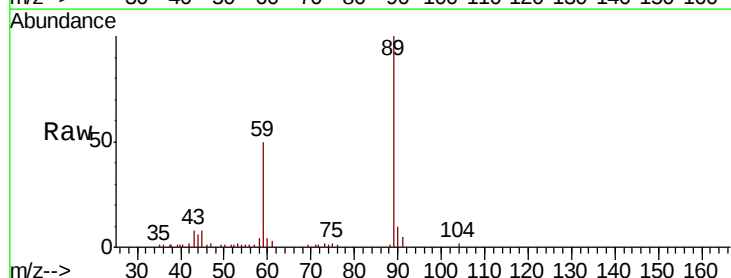
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-258-260

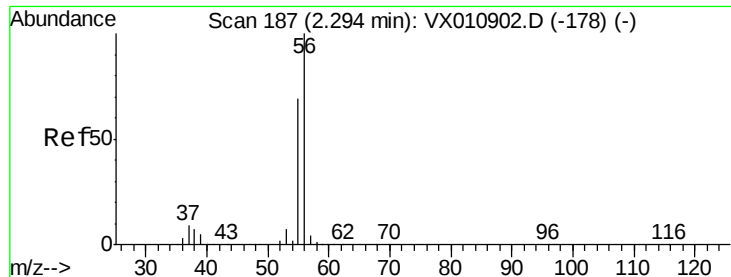
Tgt Ion: 142 Resp: 899
Ion Ratio Lower Upper
142 100
127 44.6 34.2 51.4
141 10.9 11.7 17.5#



#11
Tert butyl alcohol
Concen: 17.554 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX011245.D
Acq: 31 Jul 2019 16:06

Tgt Ion: 59 Resp: 10453
Ion Ratio Lower Upper
59 100
57 2.2 7.9 11.9#





#13

Acrolein

Concen: 0.488 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX011245.D

Acq: 31 Jul 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

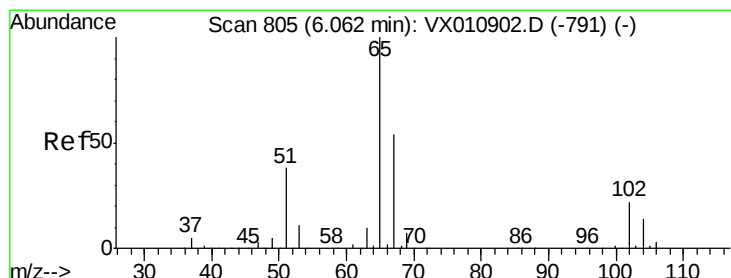
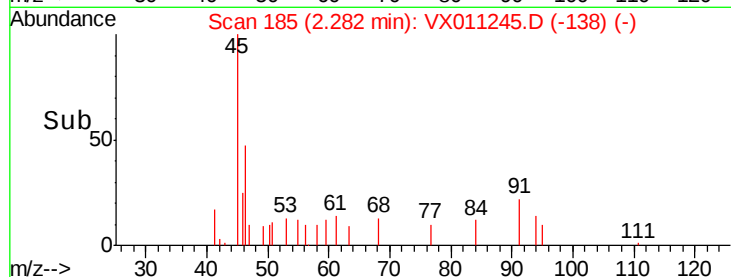
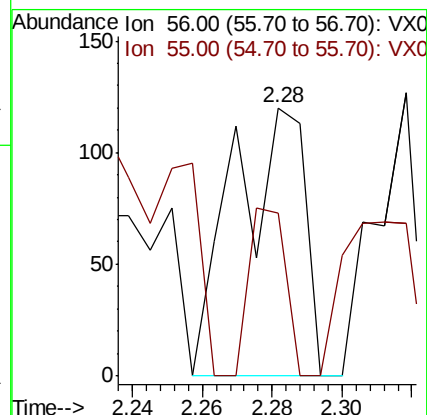
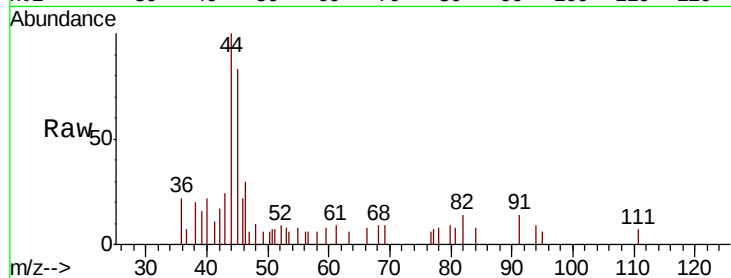
BP-VPB203-GW-258-260

Tgt Ion: 56 Resp: 168

Ion Ratio Lower Upper

56 100

55 32.1 55.9 83.9#



#33

1,2-Dichloroethane-d4

Concen: 45.922 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX011245.D

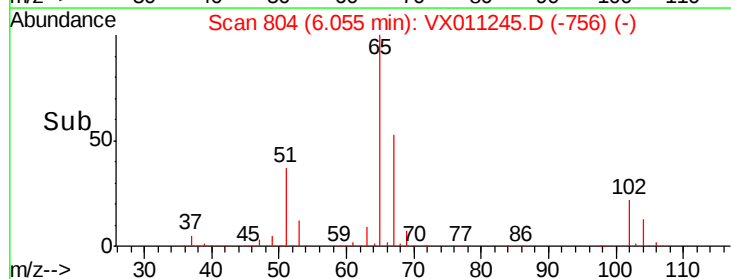
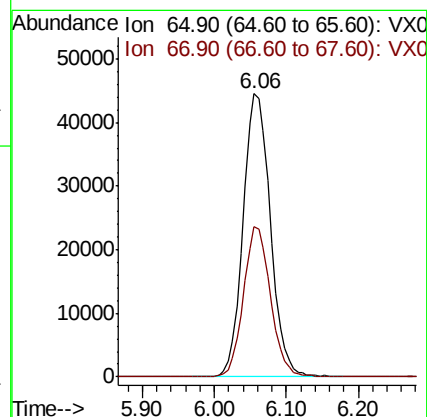
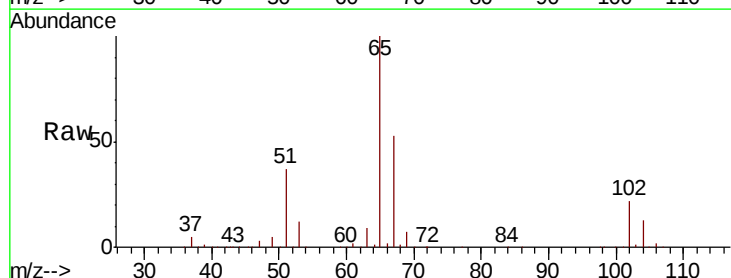
Acq: 31 Jul 2019 16:06

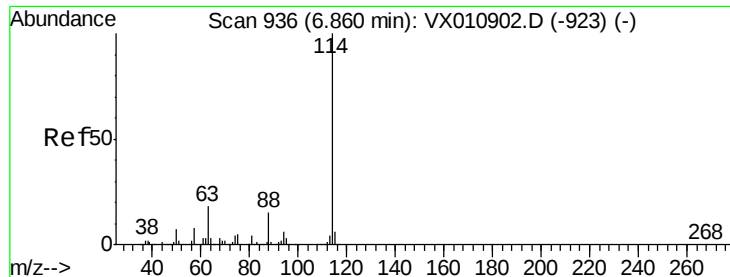
Tgt Ion: 65 Resp: 117420

Ion Ratio Lower Upper

65 100

67 52.4 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX011245.D

Acq: 31 Jul 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-258-260

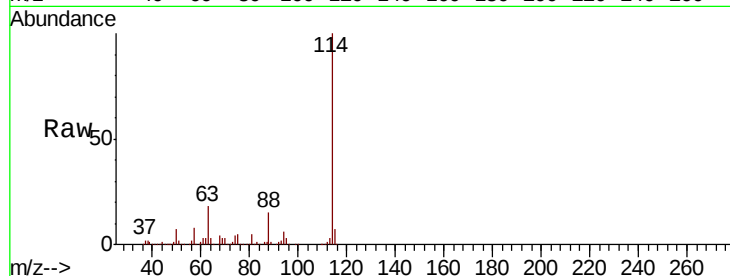
Tgt Ion:114 Resp: 342282

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.6

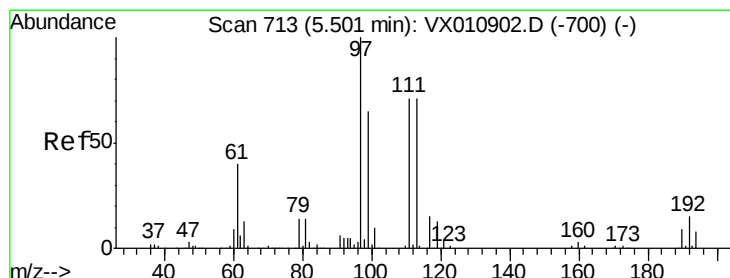
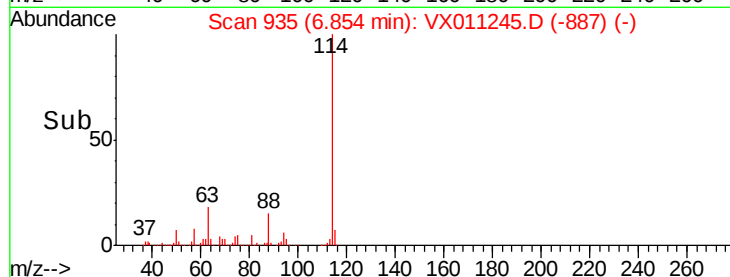
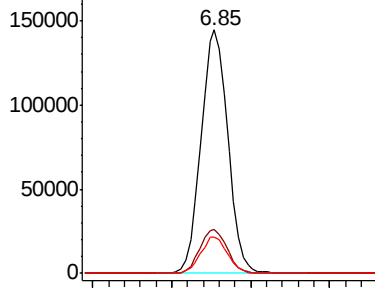
88 15.1 0.0 29.8



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: 43.385 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX011245.D

Acq: 31 Jul 2019 16:06

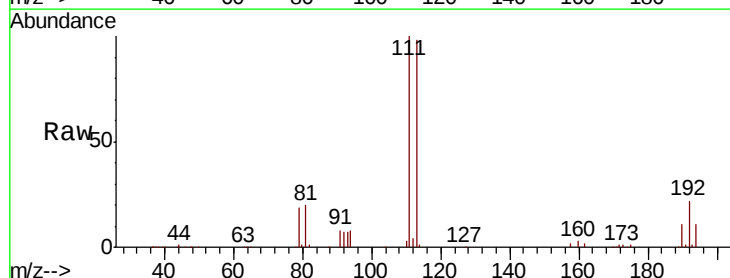
Tgt Ion:113 Resp: 94256

Ion Ratio Lower Upper

113 100

111 102.7 82.3 123.5

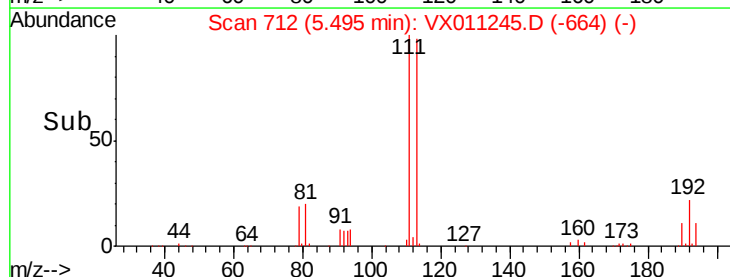
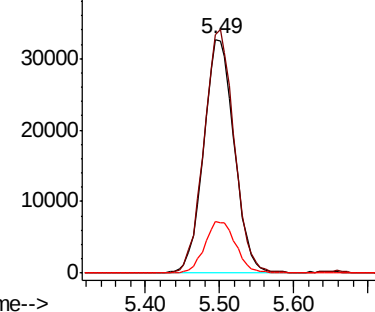
192 22.5 17.4 26.2

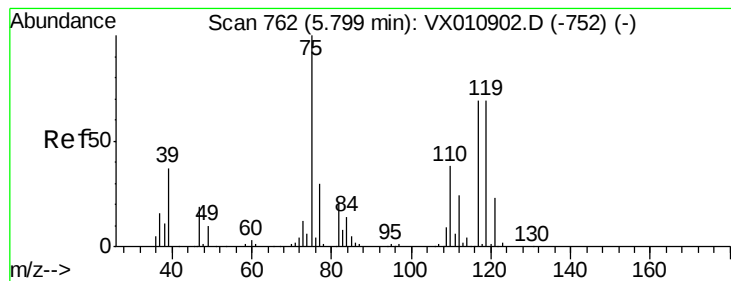


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.773 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX011245.D

Acq: 31 Jul 2019 16:06

Instrument :

MSVOA_X

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BP-VPB203-GW-258-260

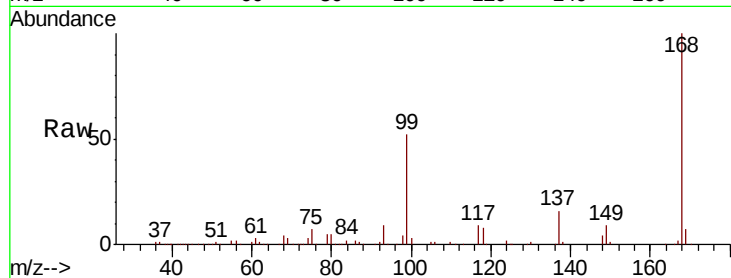
Tgt Ion: 75 Resp: 16231

Ion Ratio Lower Upper

75 100

110 11.2 19.9 59.7#

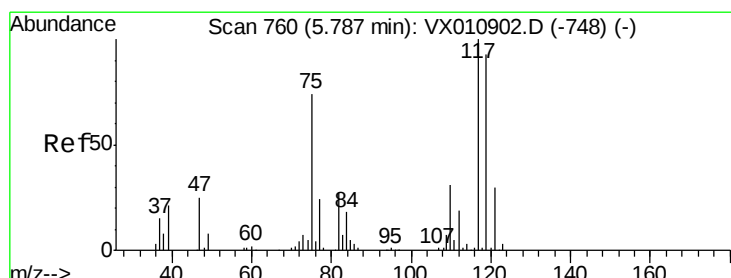
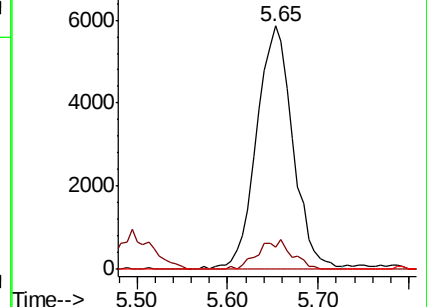
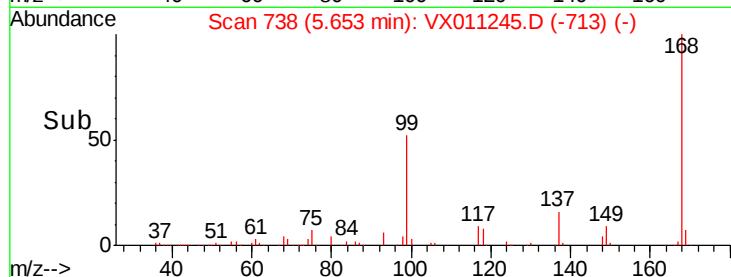
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX011245.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX011245.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX011245.D (-713) (-)



#38

Carbon Tetrachloride

Concen: 7.510 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011245.D

Acq: 31 Jul 2019 16:06

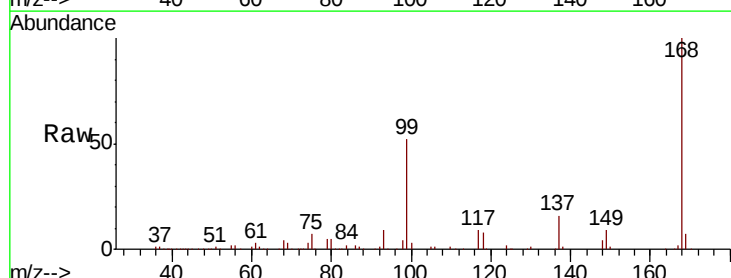
Tgt Ion: 117 Resp: 22002

Ion Ratio Lower Upper

117 100

119 4.0 74.2 111.2#

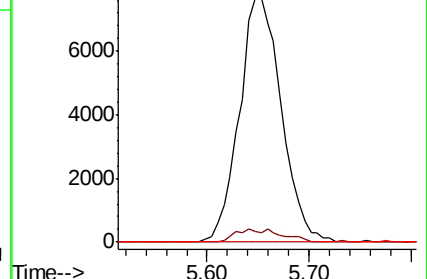
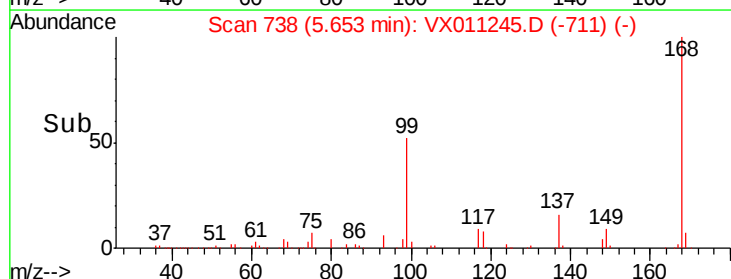
121 0.0 24.2 36.2#

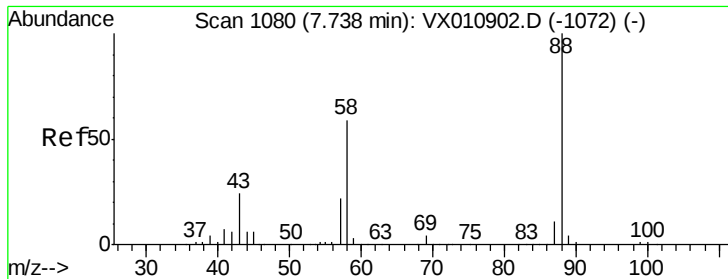


Abundance Ion 116.80 (116.50 to 117.50): VX011245.D (-711) (-)

Ion 118.80 (118.50 to 119.50): VX011245.D (-711) (-)

Ion 120.80 (120.50 to 121.50): VX011245.D (-711) (-)

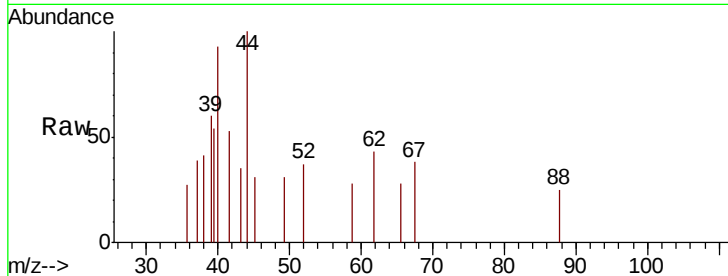




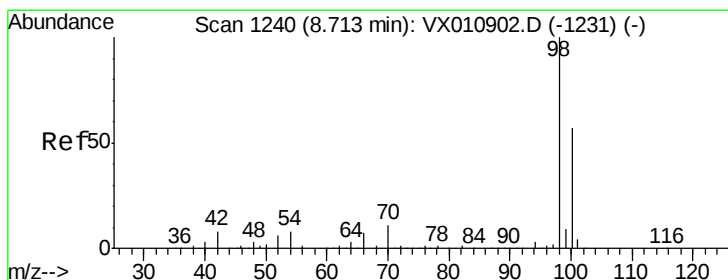
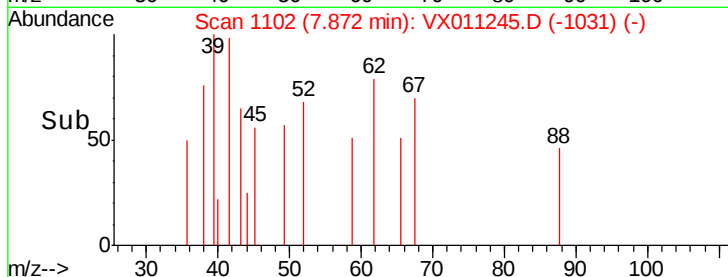
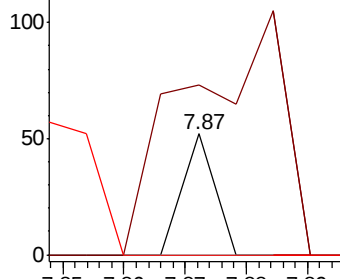
#49
1,4-Dioxane
Concen: 0.295 ug/l
RT: 7.87 min Scan# 1102
Delta R.T. 0.13 min
Lab File: VX011245.D
Acq: 31 Jul 2019 16:06

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

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 600.0 22.9 34.3#
58 0.0 49.8 74.8#

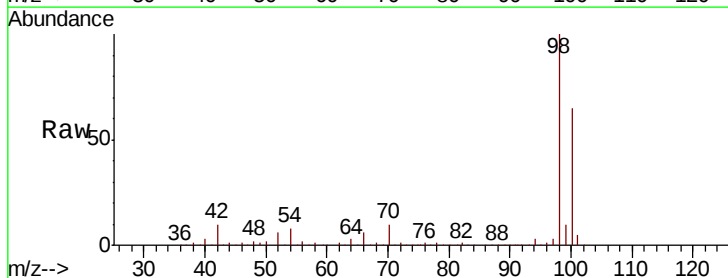


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

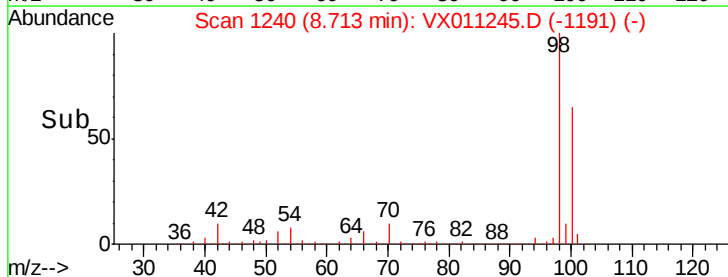
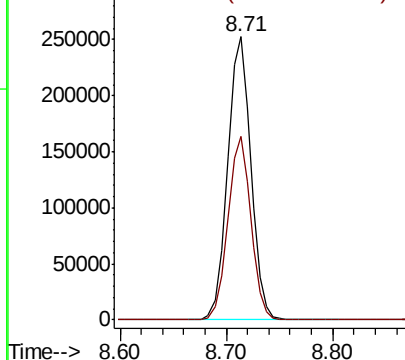


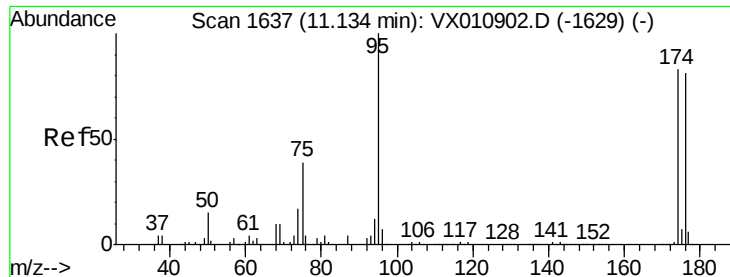
#50
Toluene-d8
Concen: 47.449 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011245.D
Acq: 31 Jul 2019 16:06

Tgt Ion: 98 Resp: 386637
Ion Ratio Lower Upper
98 100
100 64.1 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 40.413 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011245.D

Acq: 31 Jul 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-258-260

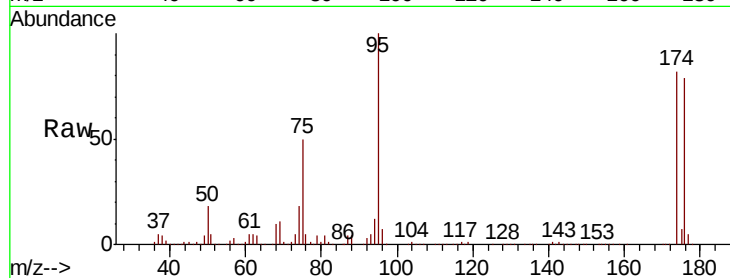
Tgt Ion: 95 Resp: 121040

Ion Ratio Lower Upper

95 100

174 91.4 0.0 180.6

176 88.3 0.0 173.8

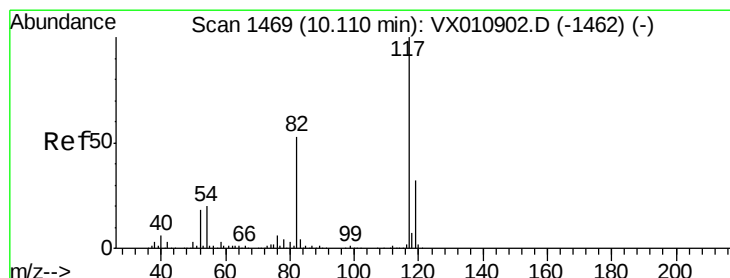
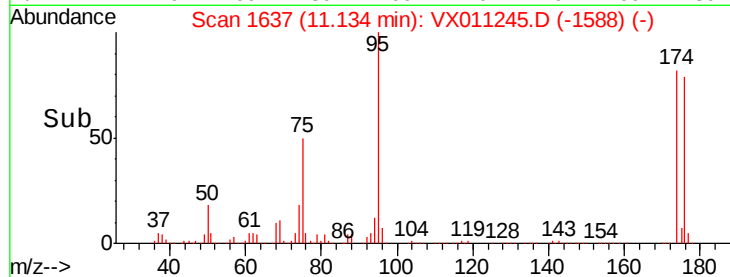
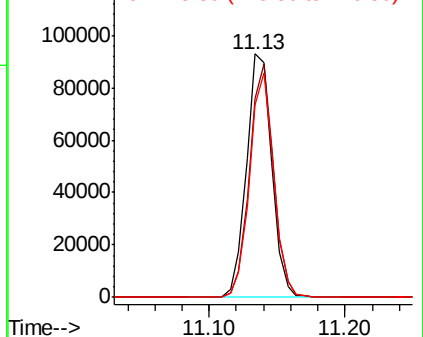


Abundance

Ion 94.90 (94.60 to 95.60): VX011245.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX011245.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011245.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011245.D

Acq: 31 Jul 2019 16:06

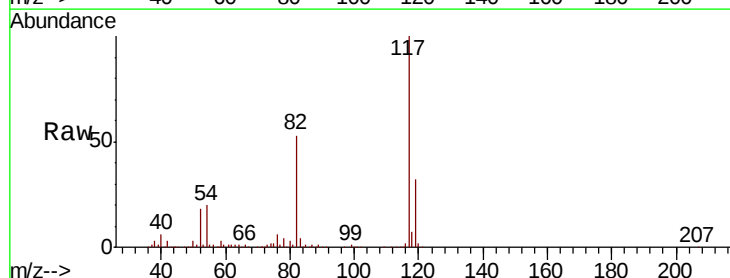
Tgt Ion: 117 Resp: 277626

Ion Ratio Lower Upper

117 100

82 53.1 42.6 63.8

119 32.2 25.9 38.9

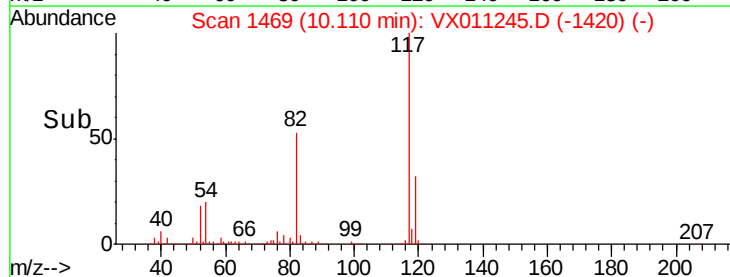
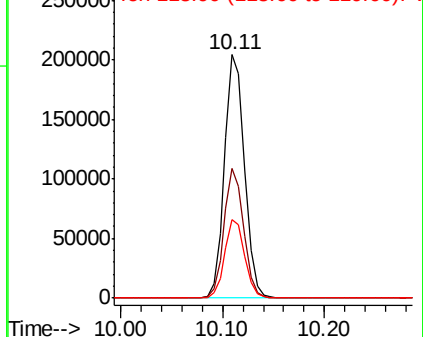


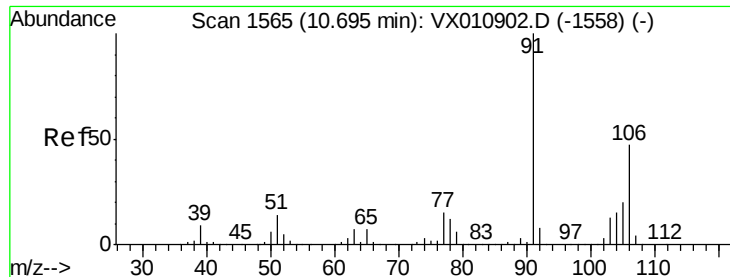
Abundance

Ion 116.90 (116.60 to 117.60): VX011245.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX011245.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011245.D (-1420) (-)

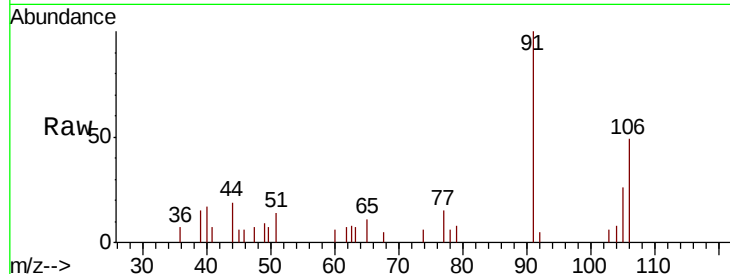




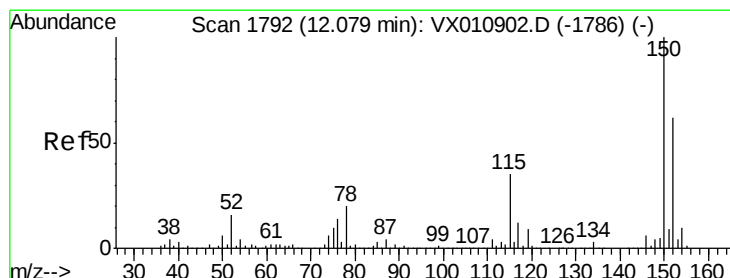
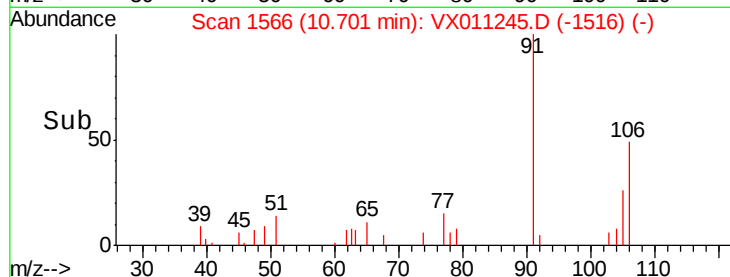
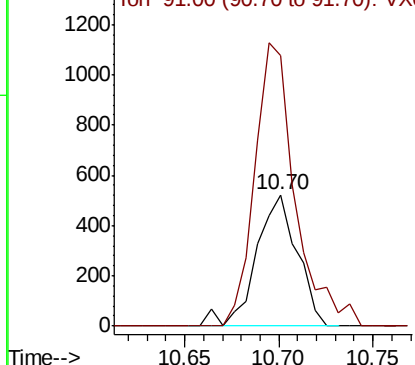
#69
o-Xylene
Concen: 0.218 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX011245.D
Acq: 31 Jul 2019 16:06

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

Tgt Ion:106 Resp: 791
Ion Ratio Lower Upper
106 100
91 212.3 105.1 315.3

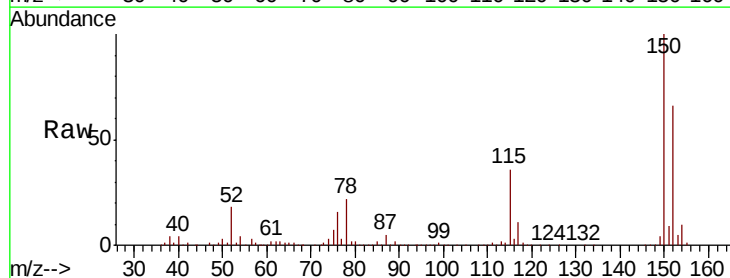


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

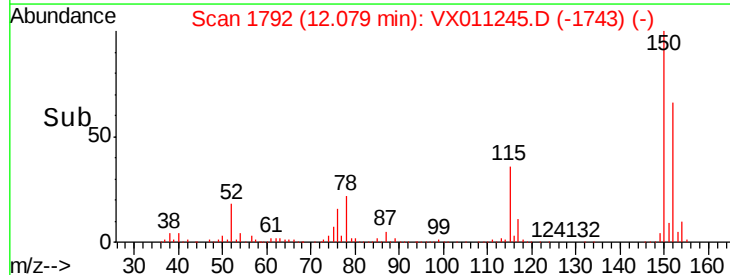
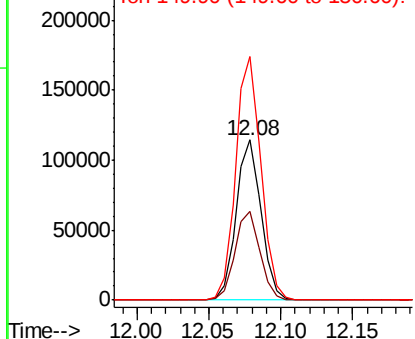


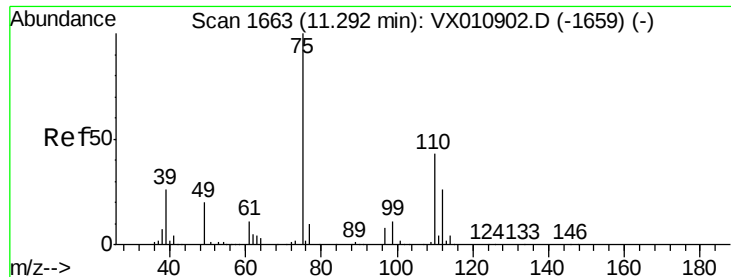
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011245.D
Acq: 31 Jul 2019 16:06

Tgt Ion:152 Resp: 138201
Ion Ratio Lower Upper
152 100
115 55.6 39.7 119.1
150 154.7 0.0 345.6



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: 24.488 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011245.D

Acq: 31 Jul 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

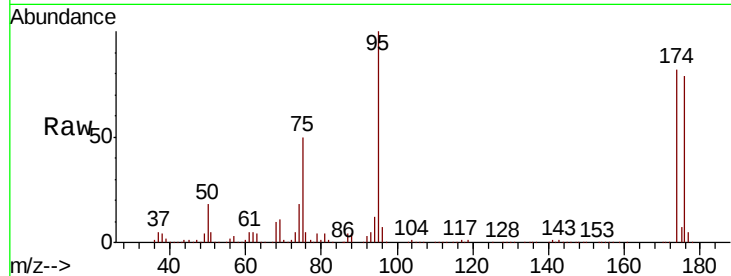
BP-VPB203-GW-258-260

Tgt Ion: 75 Resp: 61070

Ion Ratio Lower Upper

75 100

77 1.4 21.3 64.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

50000

40000

30000

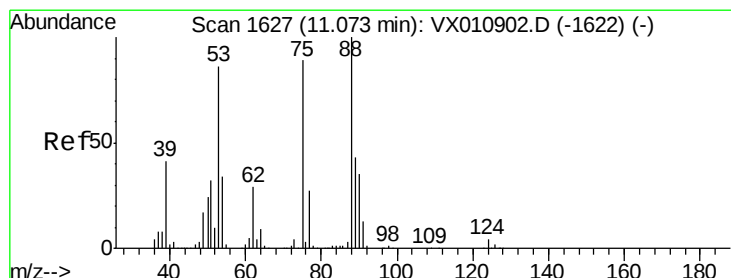
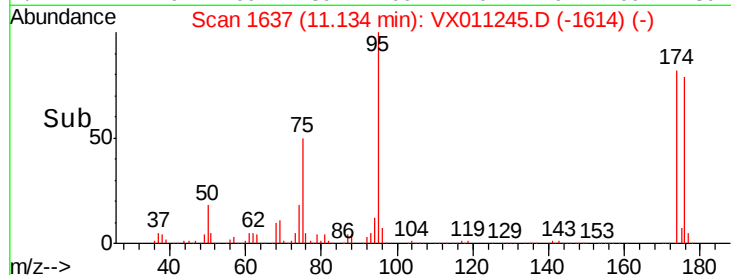
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 61.082 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011245.D

Acq: 31 Jul 2019 16:06

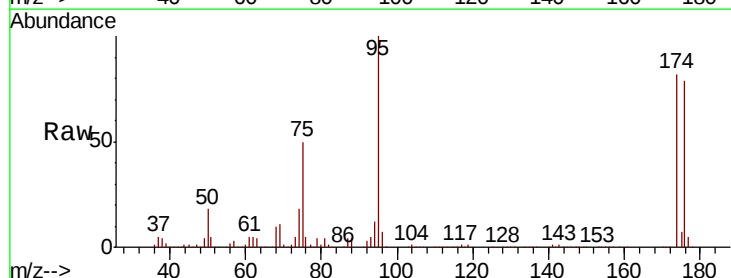
Tgt Ion: 75 Resp: 61070

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

89 0.0 38.5 57.7#



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

60000

50000

40000

30000

20000

10000

0

Time-->

11.10 11.20

