

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040119\
 Data File : VX008565.D
 Acq On : 01 Apr 2019 13:50
 Operator : JC/SP
 Sample : K2189-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820

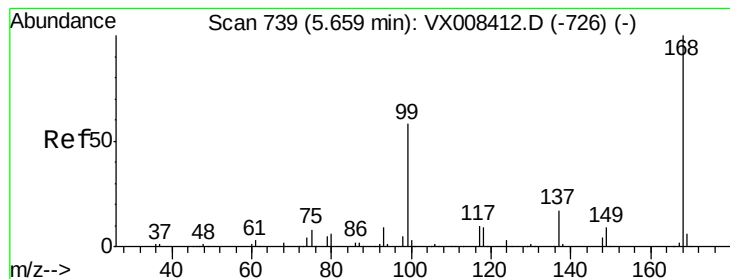
Quant Time: Apr 02 01:10:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	224585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	371833	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	314562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124537	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	155169	45.57	ug/l	0.00
Spiked Amount			Recovery	=	91.14%	
35) Dibromofluoromethane	5.50	113	114906	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	
50) Toluene-d8	8.71	98	462099	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	
62) 4-Bromofluorobenzene	11.13	95	149939	41.74	ug/l	0.00
Spiked Amount			Recovery	=	83.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	584	Below Cal		95
5) Bromomethane	1.64	94	493	2.053	ug/l	91
10) Methyl Iodide	2.51	142	186	4.199	ug/l #	87
11) Tert butyl alcohol	3.02	59	961	1.274	ug/l #	79
13) Acrolein	2.30	56	278	0.507	ug/l #	74
16) Acetone	2.44	43	5546	3.117	ug/l	96
17) Carbon Disulfide	2.57	76	1098	Below Cal	#	94
20) Methylene Chloride	2.85	84	215	Below Cal	#	56
21) trans-1,2-Dichloroethene	3.17	96	26	Below Cal	#	26
25) 2-Butanone	4.68	43	1705	0.598	ug/l	96
31) Cyclohexane	5.66	56	5270	0.966	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	18668	4.709	ug/l #	51
38) Carbon Tetrachloride	5.66	117	21996	6.648	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	77236	20.861	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	77236	66.815	ug/l #	9

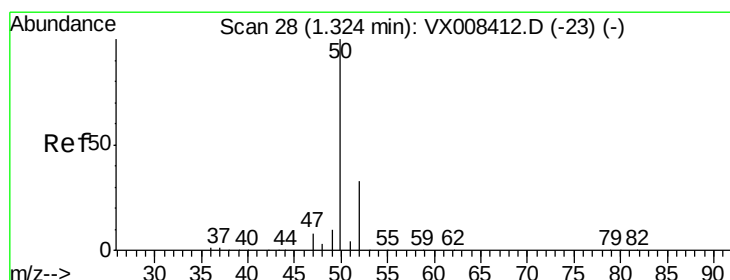
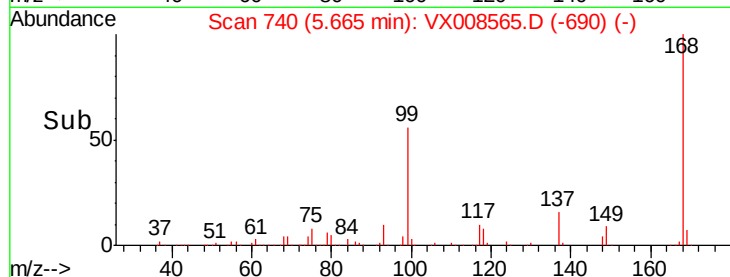
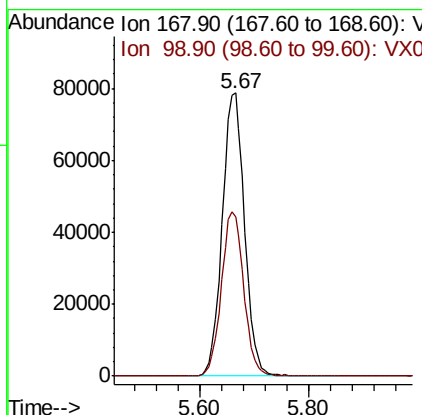
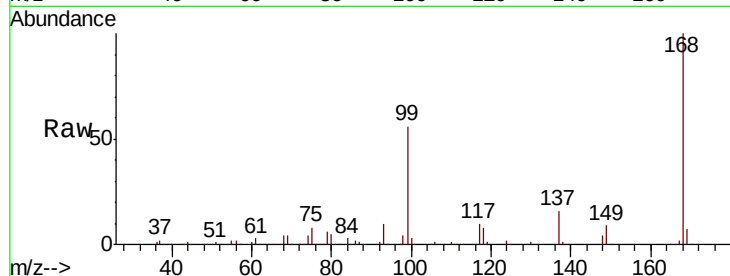
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX008565.D
Acq: 01 Apr 2019 13:50

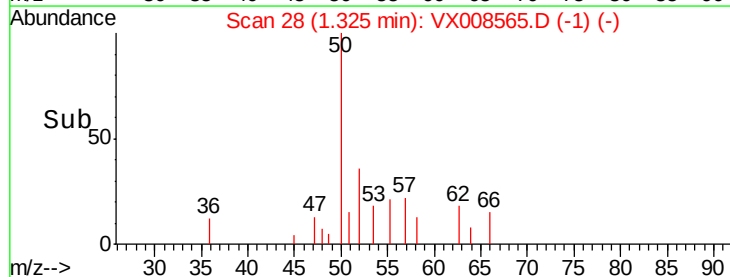
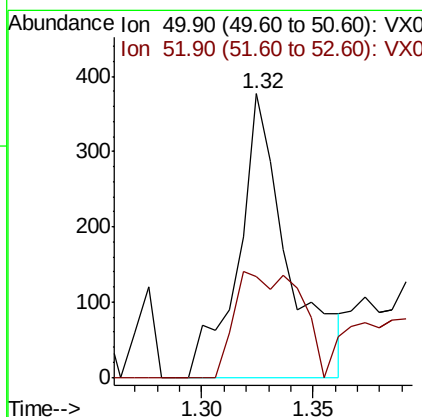
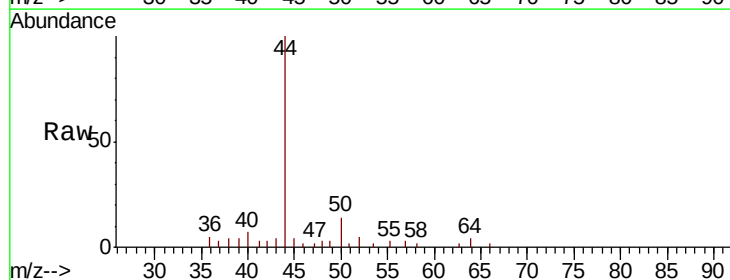
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820

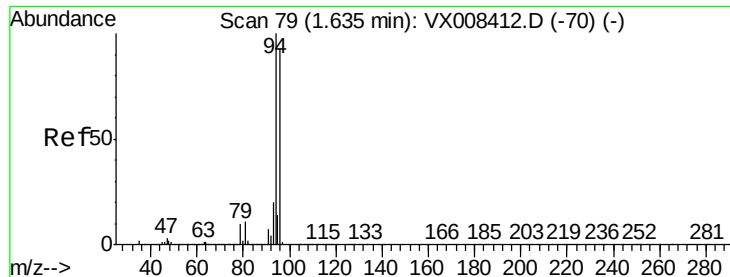
Tot Ion:168 Resp: 224585
Ion Ratio Lower Upper
168 100
99 56.1 46.0 69.0



#3
Chloromethane
Concen: Below Cal
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX008565.D
Acq: 01 Apr 2019 13:50

Tgt Ion: 50 Resp: 584
Ion Ratio Lower Upper
50 100
52 35.5 26.2 39.2





#5

Bromomethane

Concen: 2.053 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008565.D

Acq: 01 Apr 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

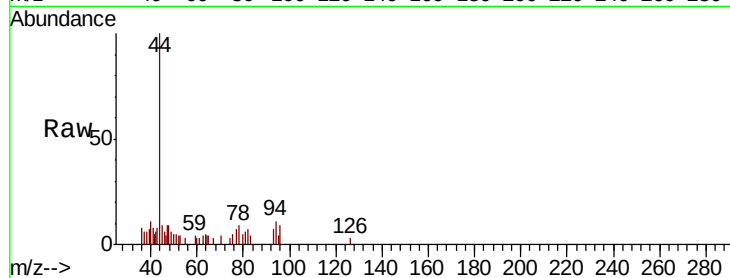
BP-VPB201R-GW-818-820

Tot Ion: 94 Resp: 493

Ion Ratio Lower Upper

94 100

96 84.8 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

150

100

50

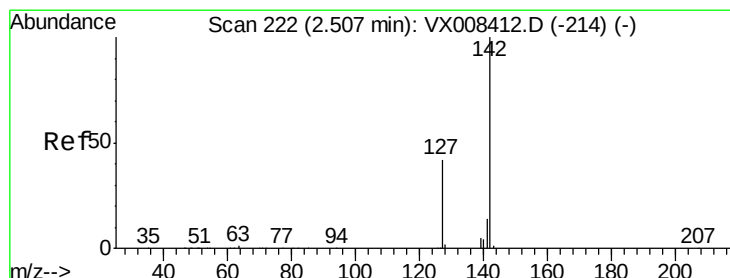
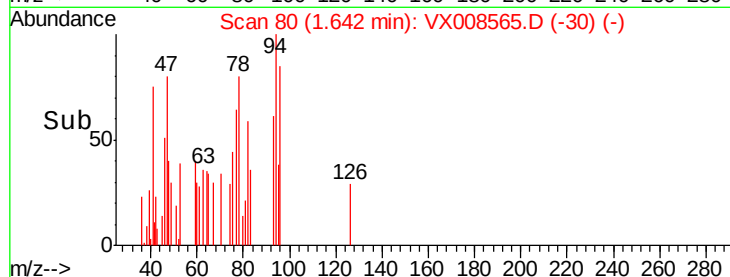
0

1.60

1.65

1.70

Time-->



#10

Methyl Iodide

Concen: 4.199 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX008565.D

Acq: 01 Apr 2019 13:50

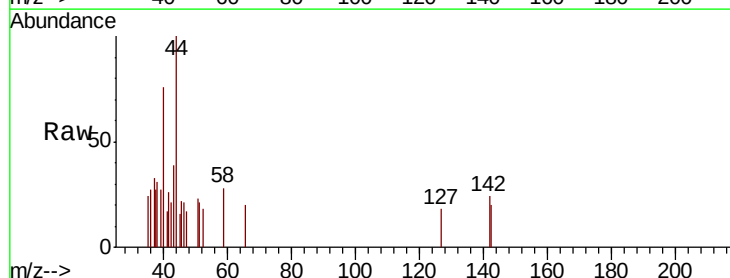
Tgt Ion: 142 Resp: 186

Ion Ratio Lower Upper

142 100

127 38.2 33.6 50.4

141 0.0 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

150

100

50

0

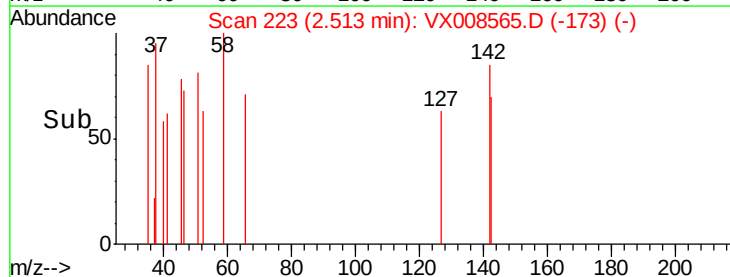
2.48

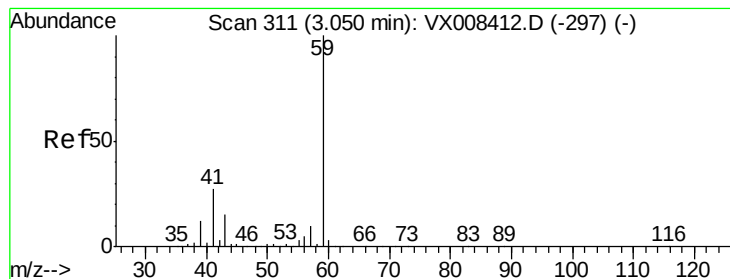
2.50

2.52

2.54

Time-->





#11

Tert butyl alcohol

Concen: 1.274 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX008565.D

Acq: 01 Apr 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

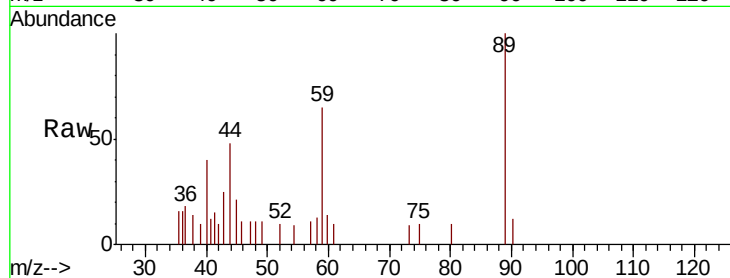
BP-VPB201R-GW-818-820

Tot Ion: 59 Resp: 961

Ion Ratio Lower Upper

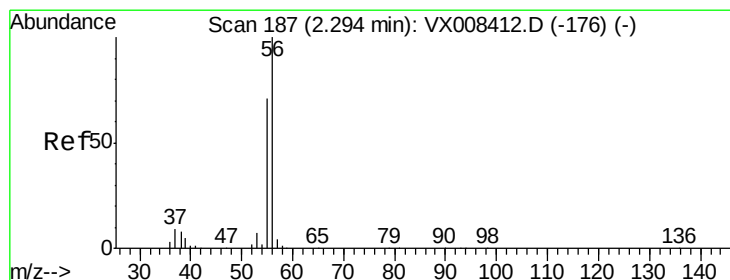
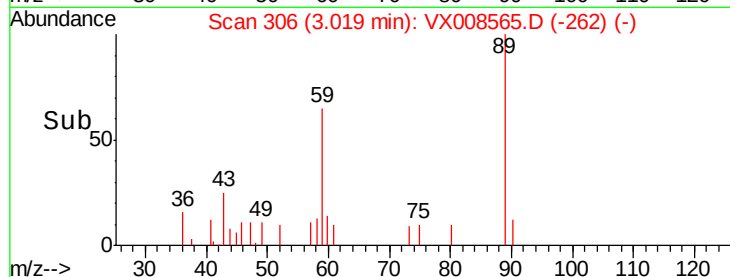
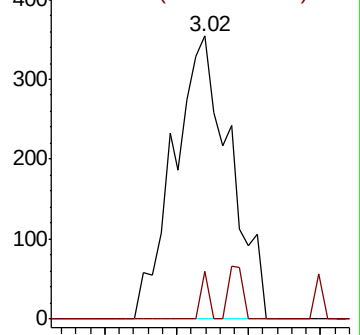
59 100

57 2.3 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 0.507 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX008565.D

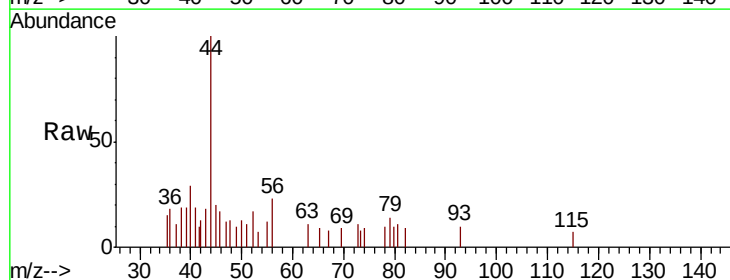
Acq: 01 Apr 2019 13:50

Tgt Ion: 56 Resp: 278

Ion Ratio Lower Upper

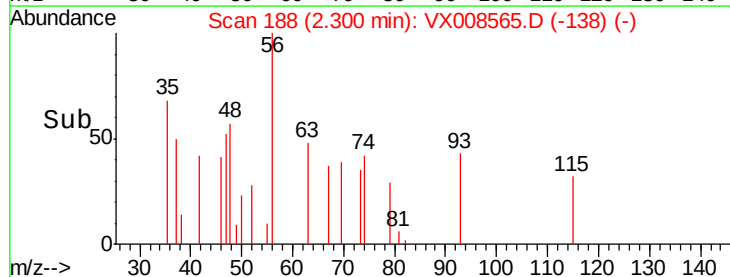
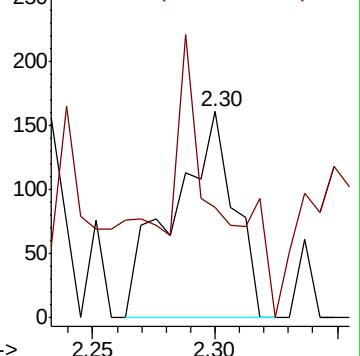
56 100

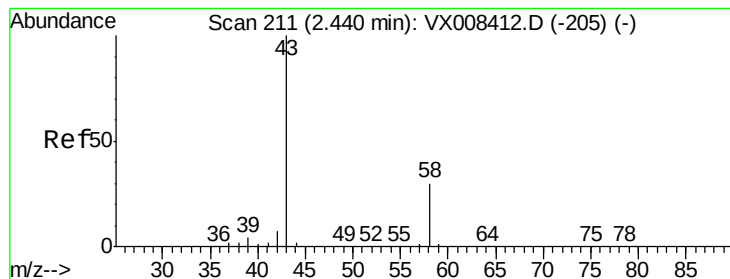
55 92.1 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 3.117 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008565.D

Acq: 01 Apr 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

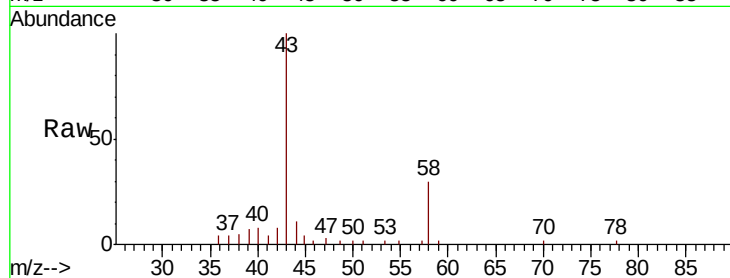
BP-VPB201R-GW-818-820

Tot Ion: 43 Resp: 5546

Ion Ratio Lower Upper

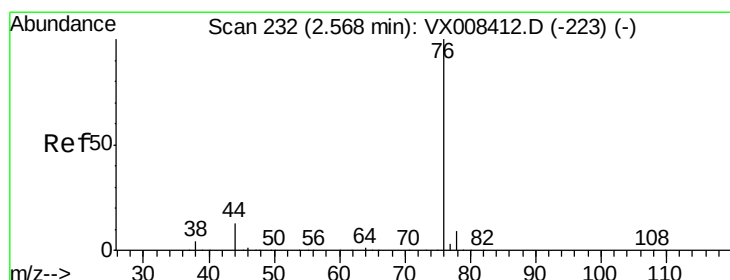
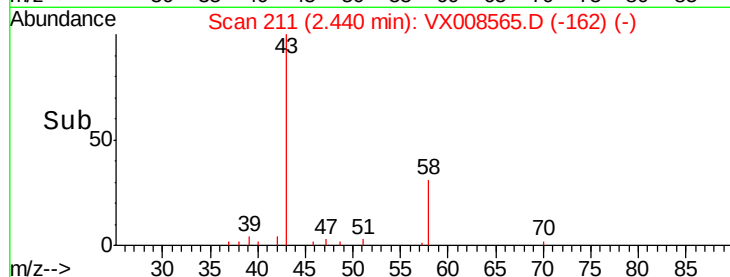
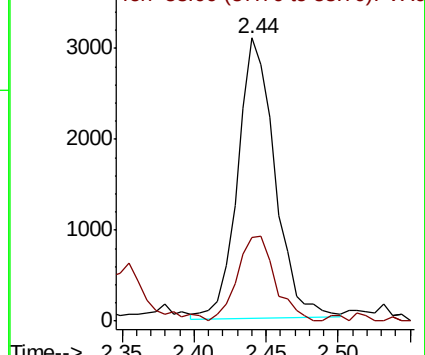
43 100

58 28.1 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008565.D

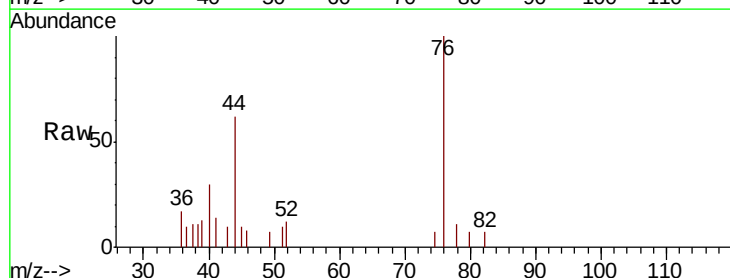
Acq: 01 Apr 2019 13:50

Tgt Ion: 76 Resp: 1098

Ion Ratio Lower Upper

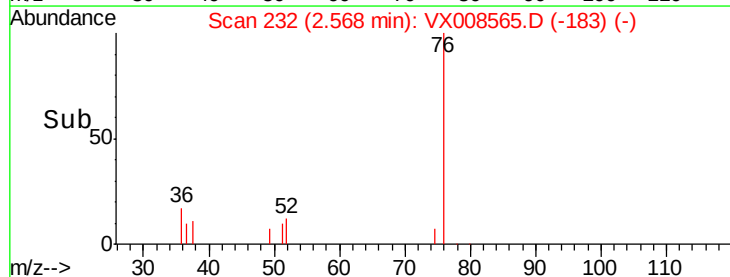
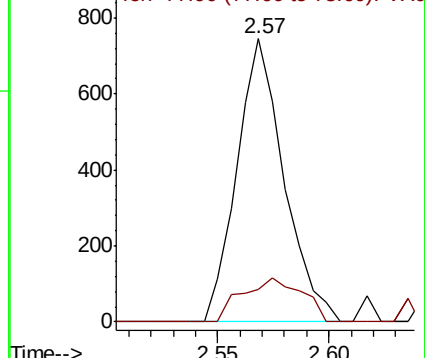
76 100

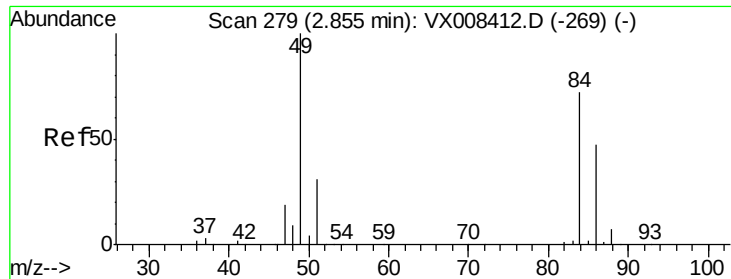
78 11.4 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

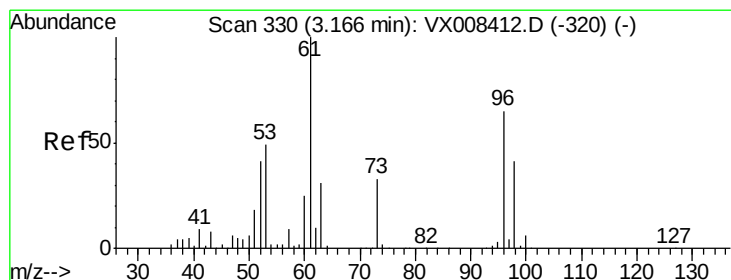
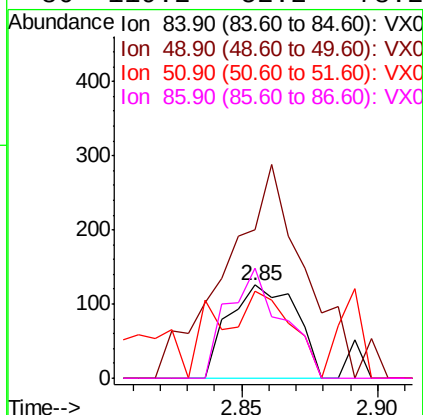
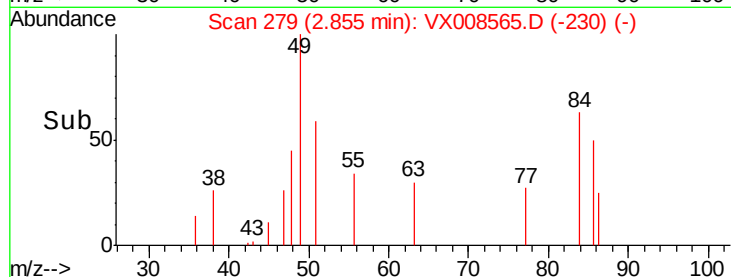
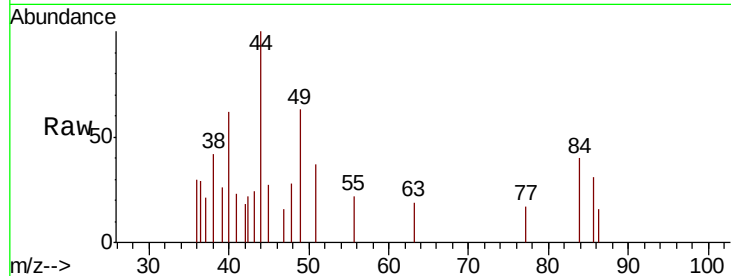




#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008565.D
Acq: 01 Apr 2019 13:50

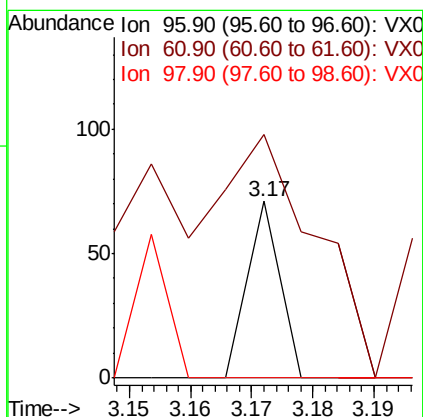
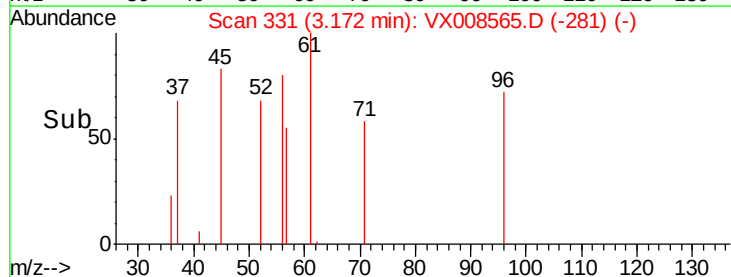
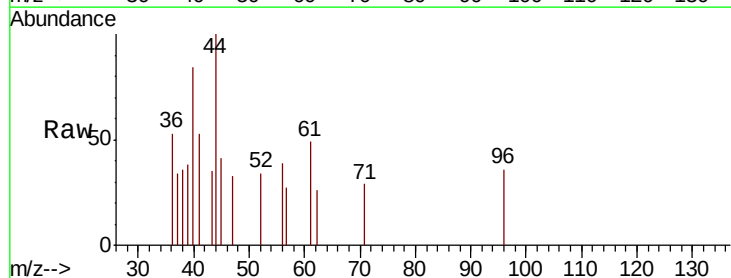
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820

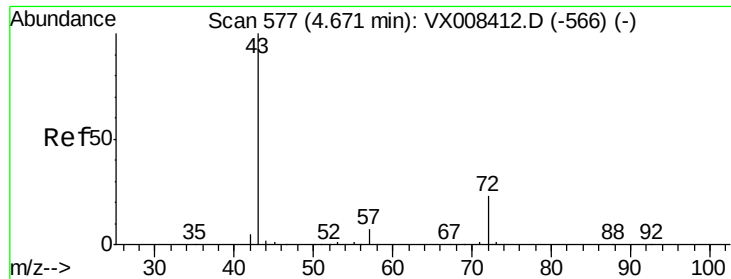
Tot Ion: 84 Resp: 215
Ion Ratio Lower Upper
84 100
49 112.0 110.6 165.8
51 93.6 33.9 50.9#
86 119.2 52.2 78.2#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.17 min Scan# 331
Delta R.T. 0.01 min
Lab File: VX008565.D
Acq: 01 Apr 2019 13:50

Tgt Ion: 96 Resp: 26
Ion Ratio Lower Upper
96 100
61 62.0 122.6 184.0#
98 0.0 50.9 76.3#





#25

2-Butanone

Concen: 0.598 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008565.D

Acq: 01 Apr 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

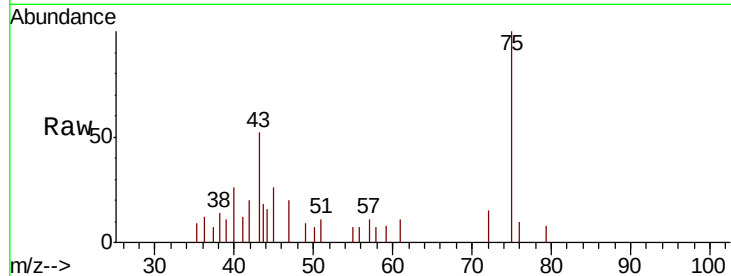
BP-VPB201R-GW-818-820

Tot Ion: 43 Resp: 1705

Ion Ratio Lower Upper

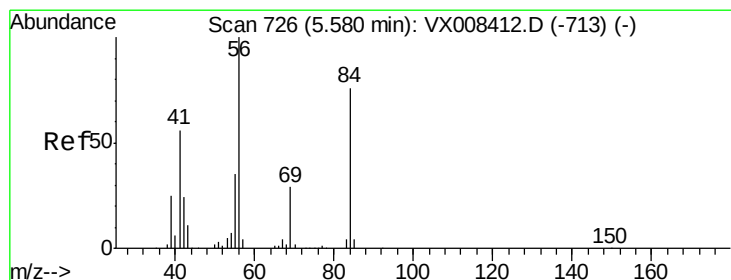
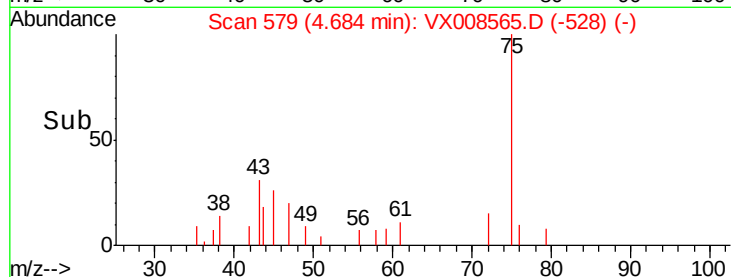
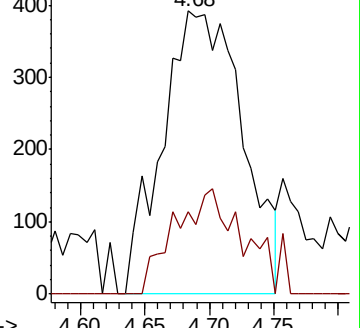
43 100

72 21.6 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 0.966 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008565.D

Acq: 01 Apr 2019 13:50

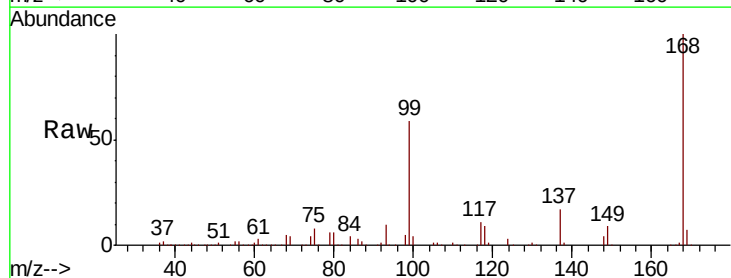
Tgt Ion: 56 Resp: 5270

Ion Ratio Lower Upper

56 100

69 177.9 23.2 34.8#

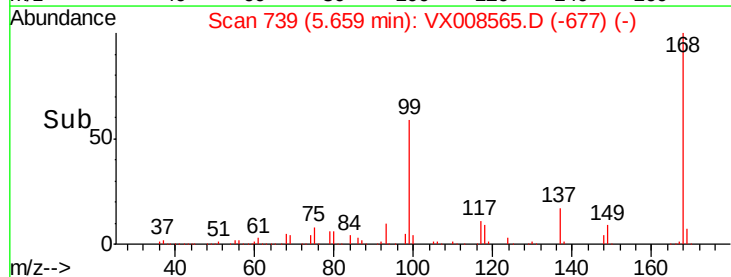
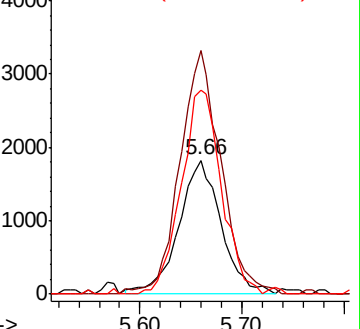
84 152.1 60.7 91.1#

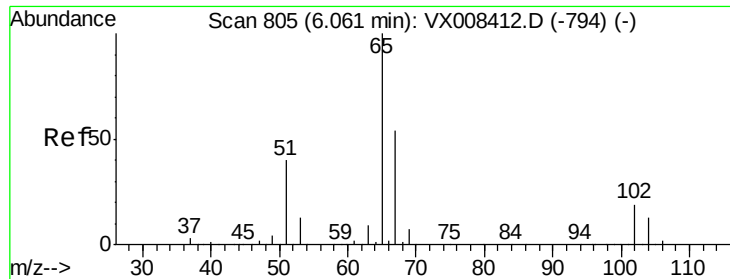


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

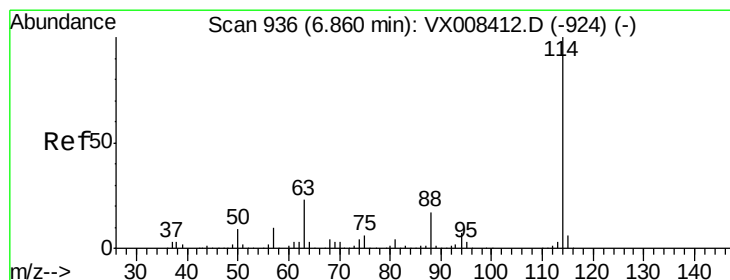
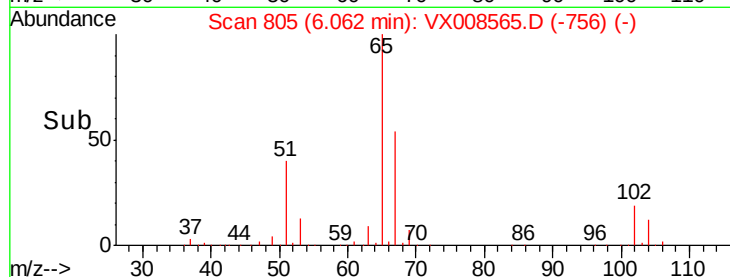
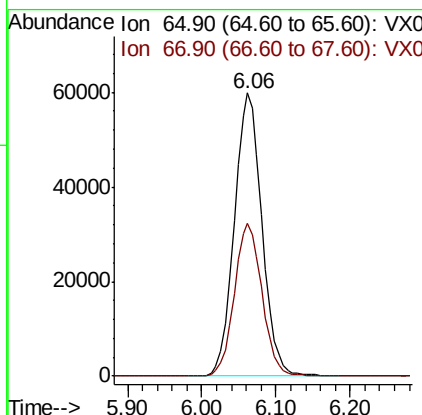
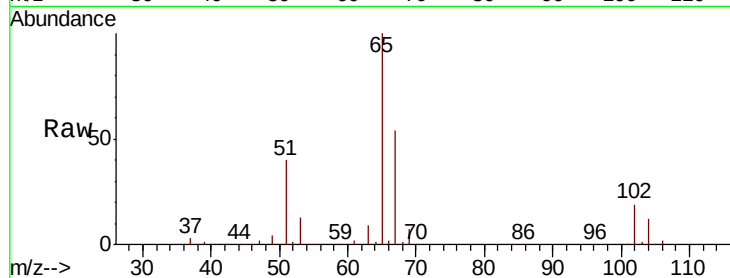




#33
 1,2-Dichloroethane-d4
 Concen: 45.574 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008565.D
 Acq: 01 Apr 2019 13:50

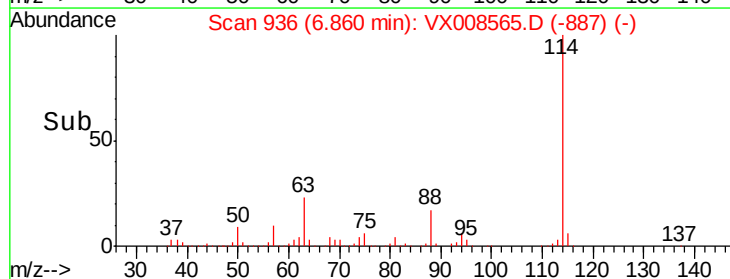
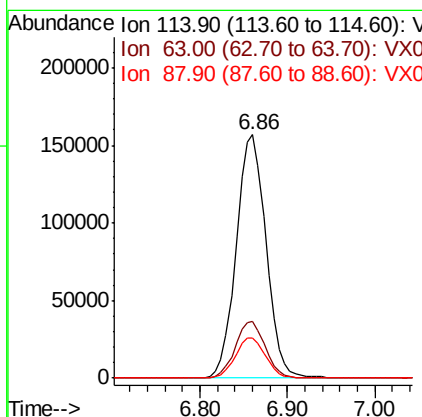
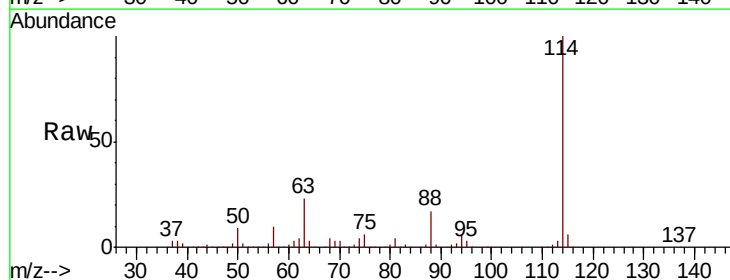
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820

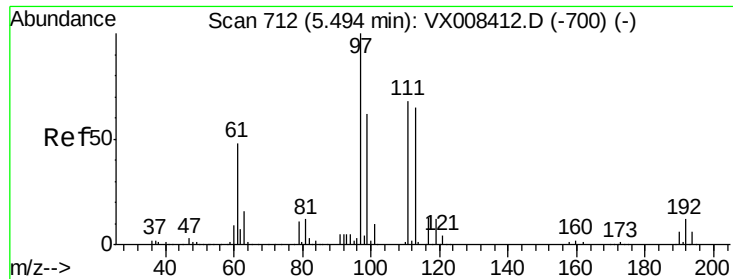
Tot Ion: 65 Resp: 155169
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008565.D
 Acq: 01 Apr 2019 13:50

Tgt Ion: 114 Resp: 371833
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 46.4
 88 16.7 0.0 33.2

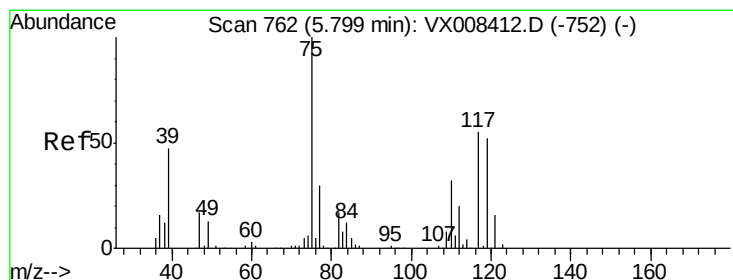
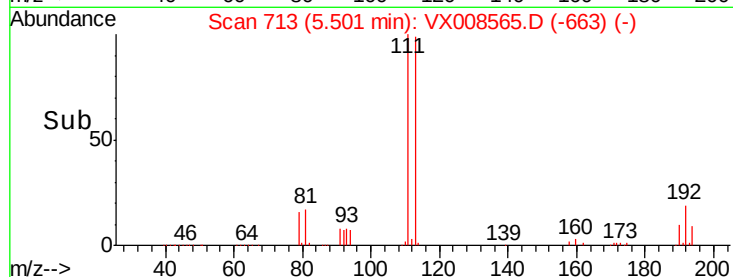
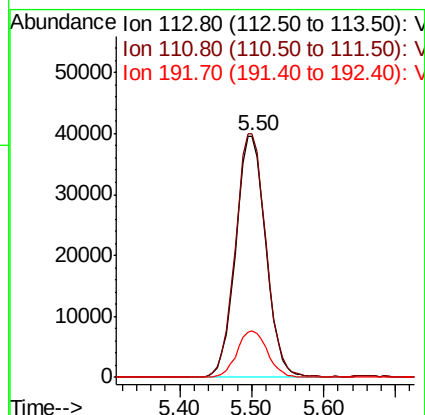
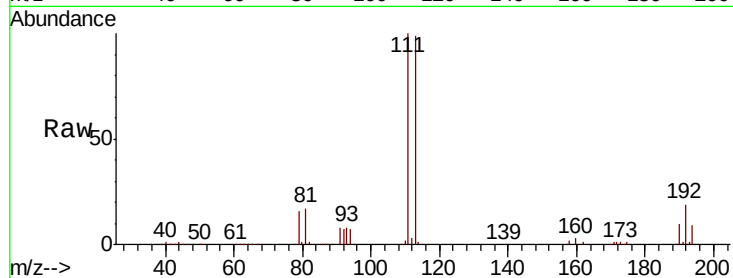




#35
 Dibromofluoromethane
 Concen: 47.393 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008565.D
 Acq: 01 Apr 2019 13:50

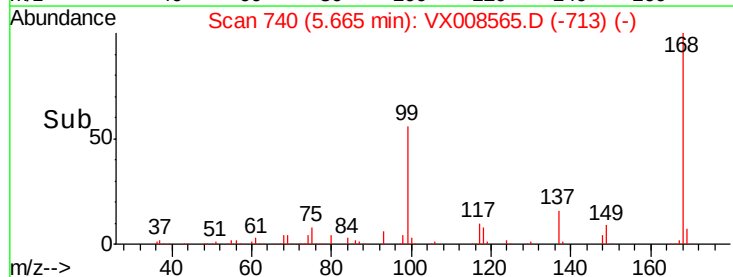
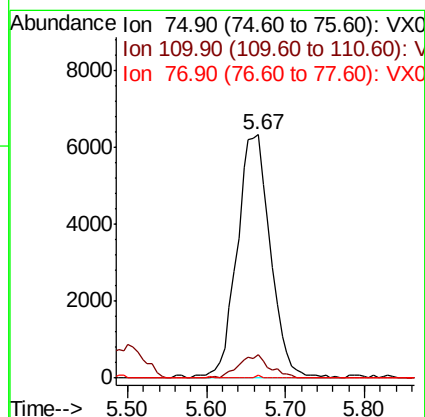
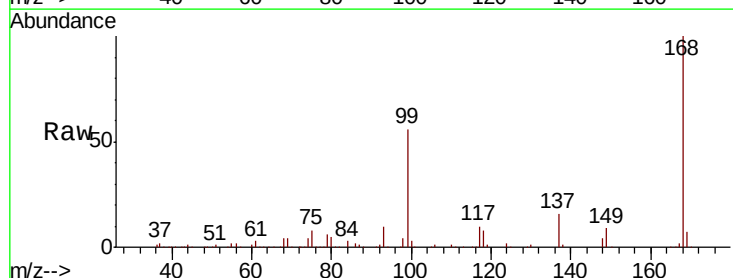
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820

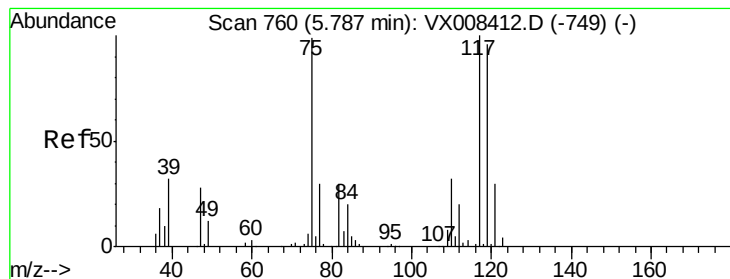
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.0	124.4
192	19.5	15.6	23.4



#36
 1,1-Dichloropropene
 Concen: 4.709 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX008565.D
 Acq: 01 Apr 2019 13:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	16.6	49.7#
77	0.2	24.2	36.2#





#38

Carbon Tetrachloride

Concen: 6.648 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008565.D

Acq: 01 Apr 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201R-GW-818-820

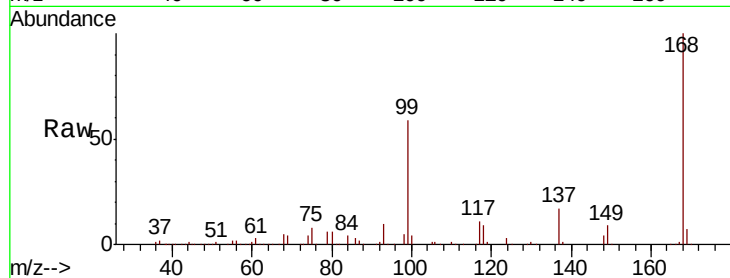
Tot Ion:117 Resp: 21996

Ion Ratio Lower Upper

117 100

119 4.8 76.7 115.1#

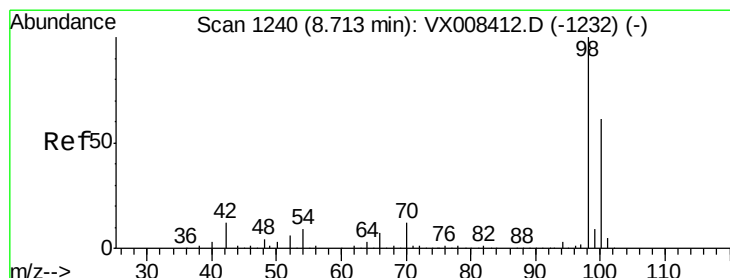
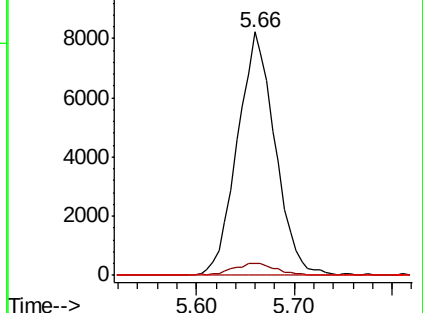
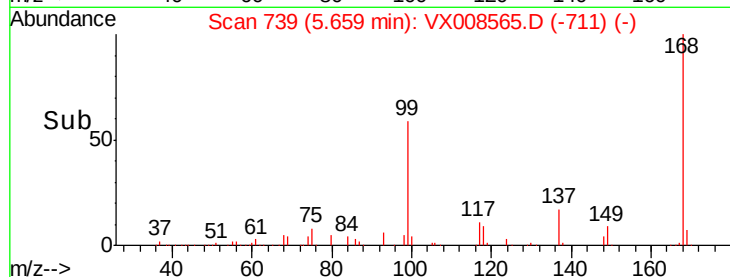
121 0.0 24.3 36.5#



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



#50

Toluene-d8

Concen: 47.665 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008565.D

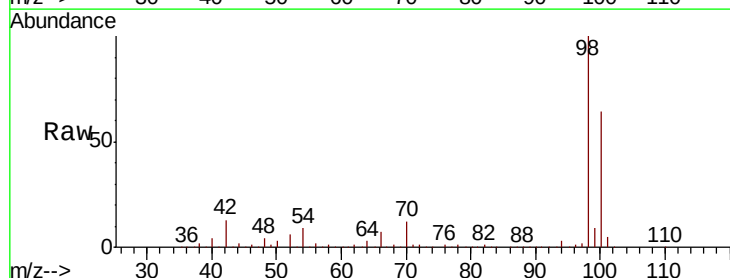
Acq: 01 Apr 2019 13:50

Tgt Ion: 98 Resp: 462099

Ion Ratio Lower Upper

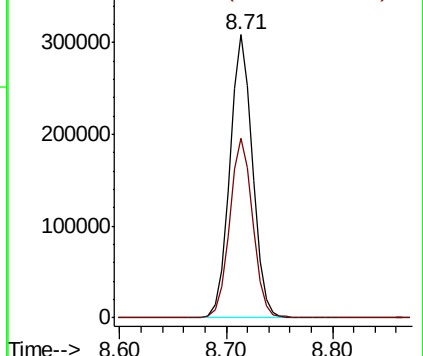
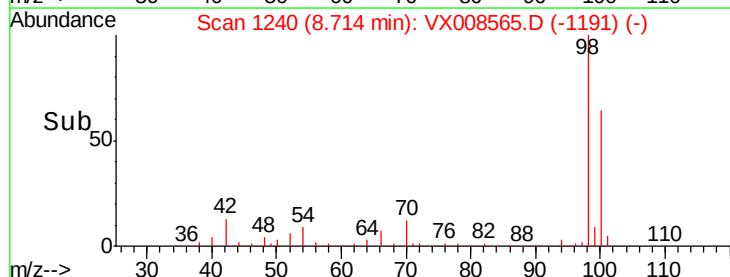
98 100

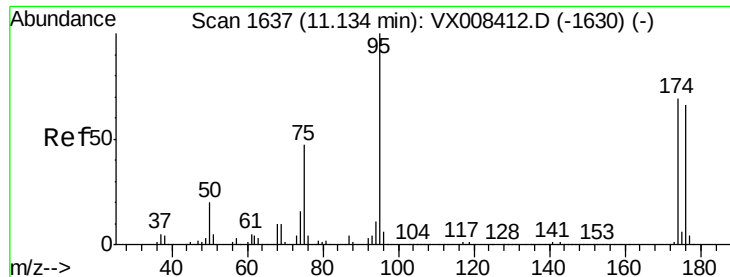
100 64.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

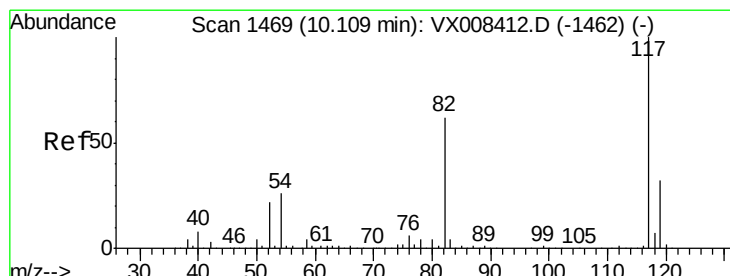
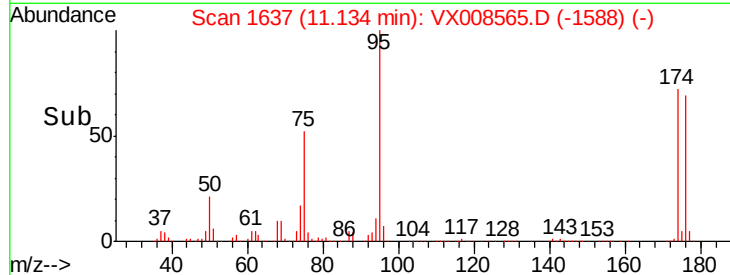
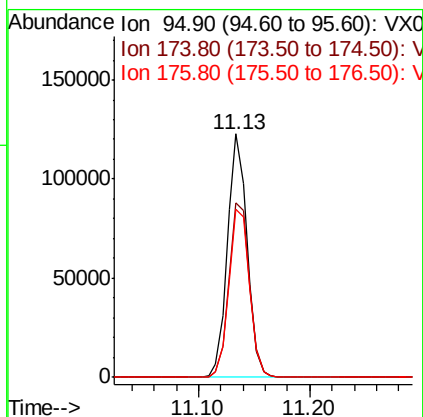
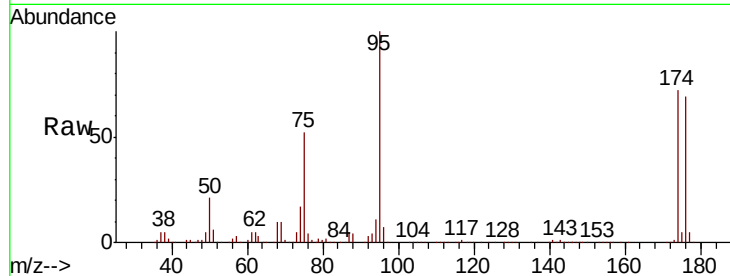




#62
 4-Bromofluorobenzene
 Concen: 41.737 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX008565.D
 Acq: 01 Apr 2019 13:50

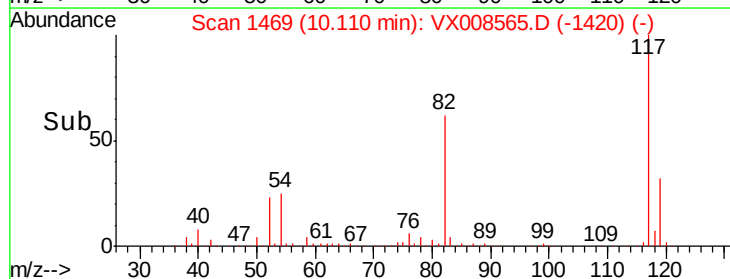
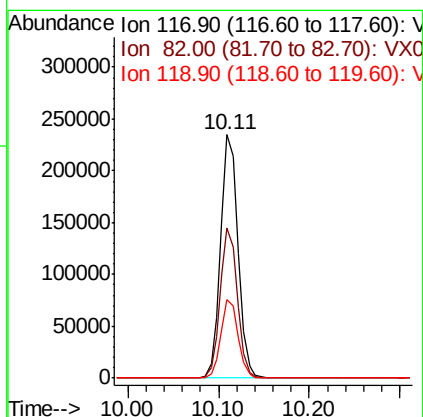
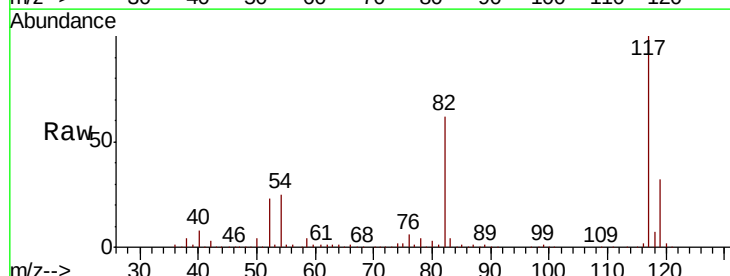
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820

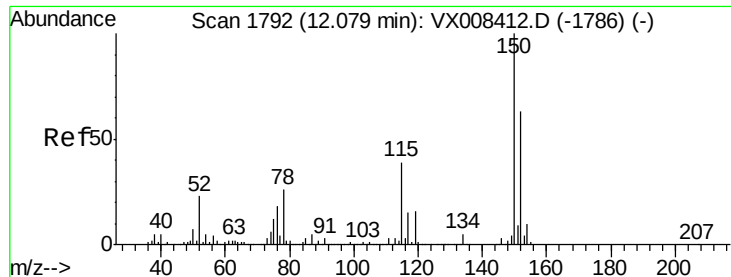
Tot Ion: 95 Resp: 149939
 Ion Ratio Lower Upper
 95 100
 174 75.2 0.0 147.2
 176 72.4 0.0 142.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VX008565.D
 Acq: 01 Apr 2019 13:50

Tgt Ion: 117 Resp: 314562
 Ion Ratio Lower Upper
 117 100
 82 61.7 49.4 74.2
 119 32.1 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008565.D

Acq: 01 Apr 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201R-GW-818-820

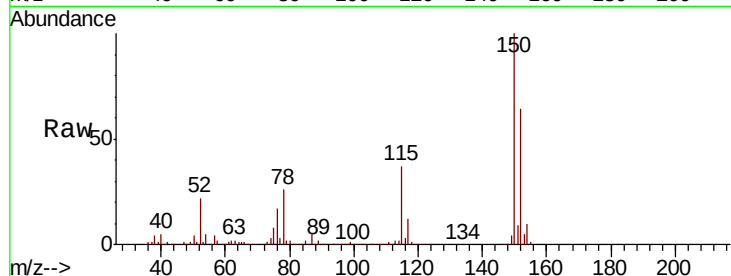
Tot Ion:152 Resp: 124537

Ion Ratio Lower Upper

152 100

115 60.3 43.5 130.5

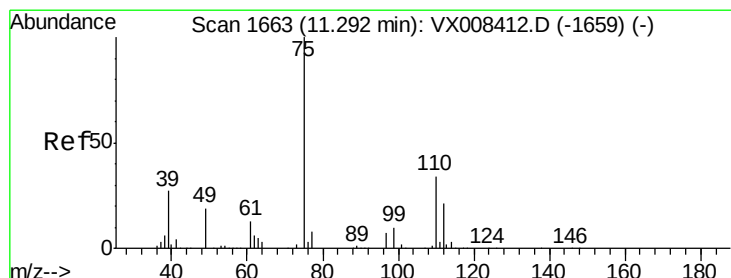
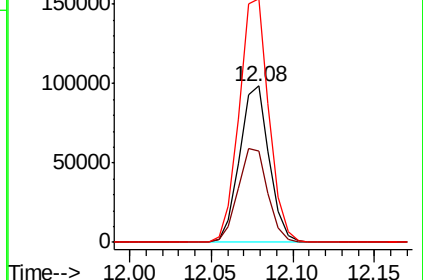
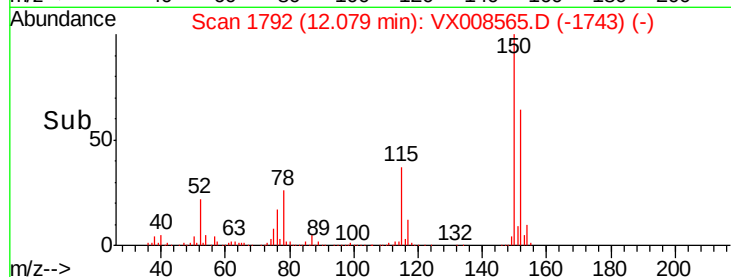
150 156.6 0.0 348.8



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: 20.861 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008565.D

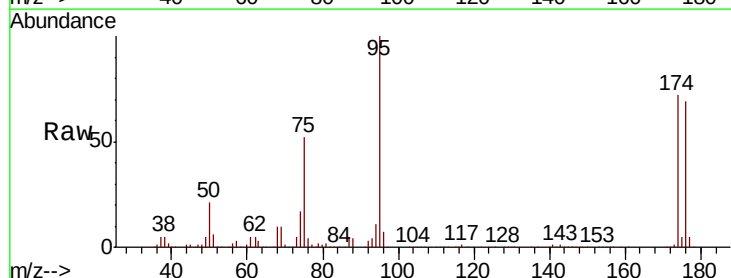
Acq: 01 Apr 2019 13:50

Tgt Ion: 75 Resp: 77236

Ion Ratio Lower Upper

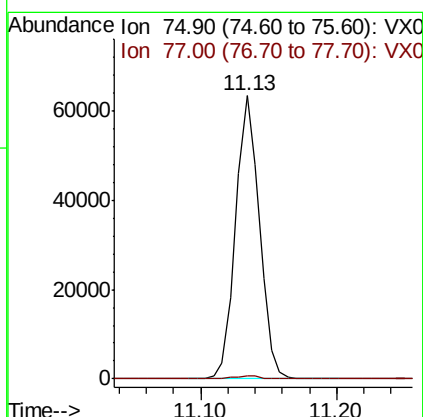
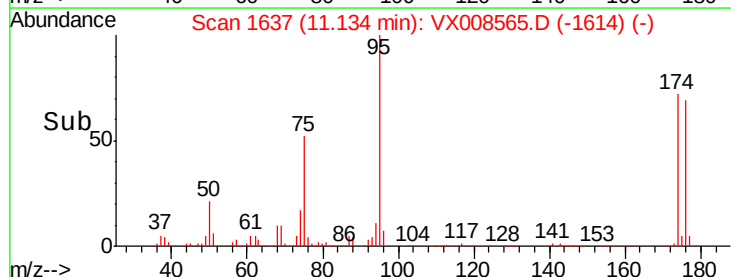
75 100

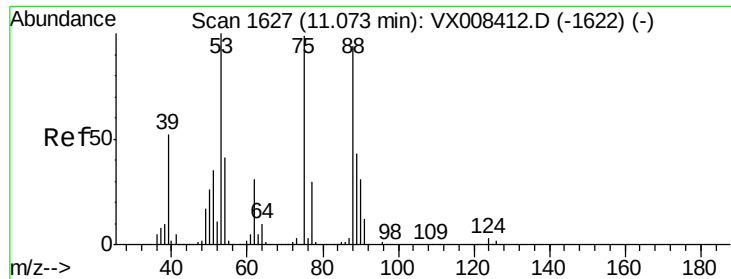
77 1.2 21.9 65.7#



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: 66.815 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008565.D

Acq: 01 Apr 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201R-GW-818-820

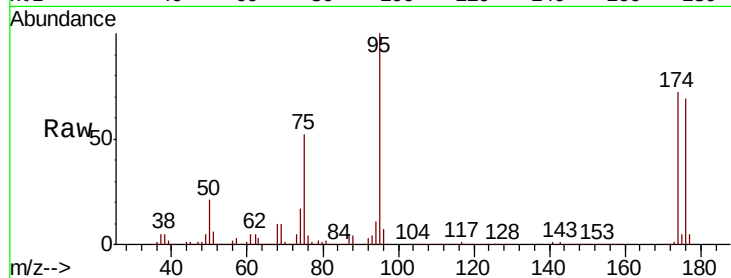
Tot Ion: 75 Resp: 77236

Ion Ratio Lower Upper

75 100

53 0.1 82.1 123.1#

89 0.0 34.6 52.0#



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

