

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052119\
 Data File : VX009748.D
 Acq On : 21 May 2019 15:24
 Operator : JC/SP
 Sample : K2974-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-EB-20190520

Quant Time: May 22 07:04:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	169724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	272025	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	101034	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	114429	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
35) Dibromofluoromethane	5.50	113	84260	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
50) Toluene-d8	8.71	98	344233	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	11.13	95	114426	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	

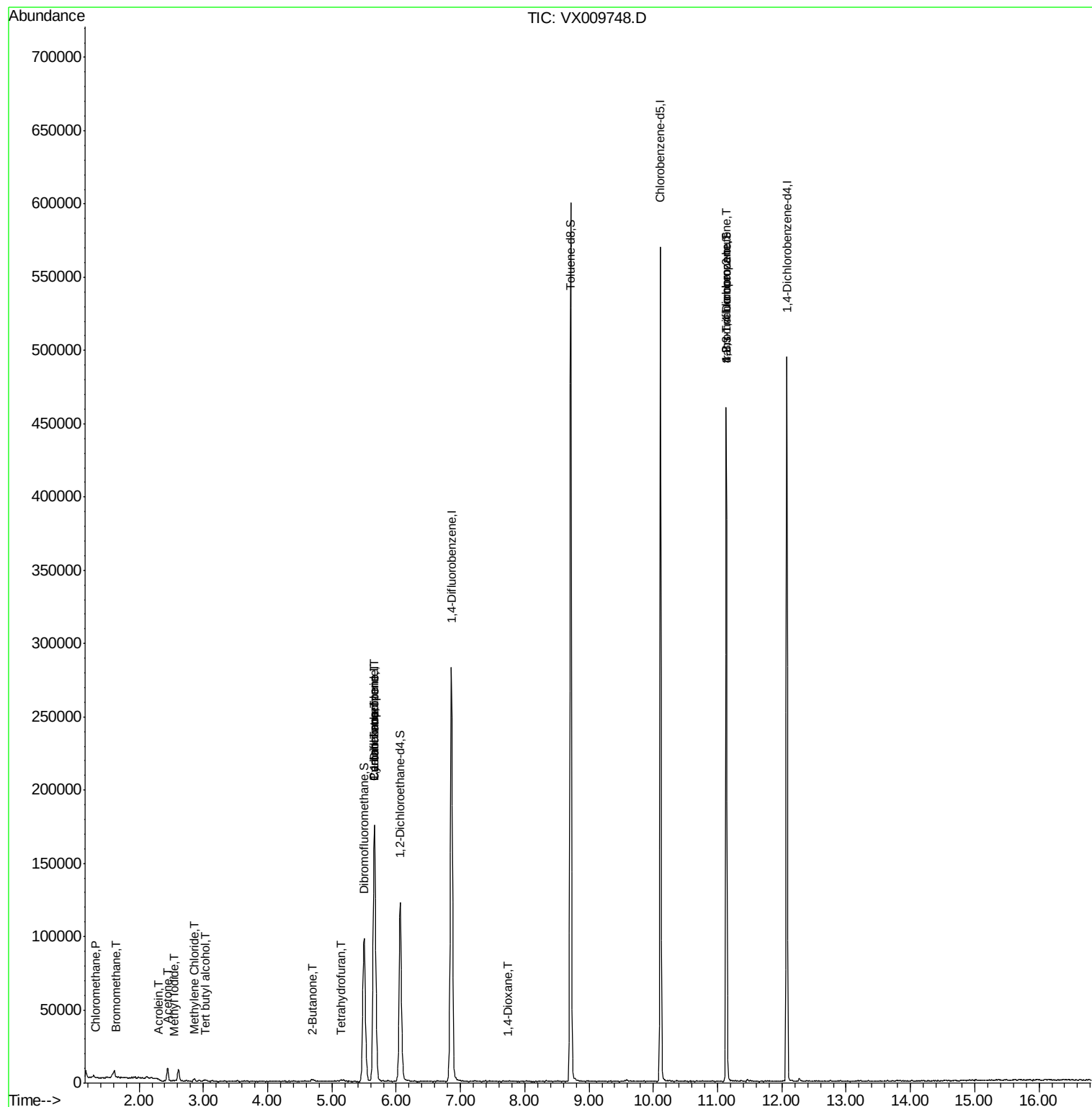
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	553	0.259	ug/l #	88
5) Bromomethane	1.64	94	337	0.270	ug/l #	57
10) Methyl Iodide	2.54	142	298	4.740	ug/l #	60
11) Tert butyl alcohol	3.02	59	1007	1.878	ug/l #	73
13) Acrolein	2.31	56	170	0.350	ug/l	91
16) Acetone	2.45	43	9939	7.989	ug/l	99
20) Methylene Chloride	2.86	84	537	0.267	ug/l #	86
25) 2-Butanone	4.71	43	648	0.335	ug/l #	77
28) Bromochloromethane	5.00	49	63	Below Cal	#	20
29) Tetrahydrofuran	5.14	42	790	0.635	ug/l #	69
31) Cyclohexane	5.66	56	3911	1.142	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	13686	5.414	ug/l #	43
38) Carbon Tetrachloride	5.67	117	16658	7.253	ug/l #	16
49) 1,4-Dioxane	7.73	88	41	0.723	ug/l #	30
76) 1,2,3-Trichloropropane	11.13	75	58732	25.060	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	58732	64.120	ug/l #	10

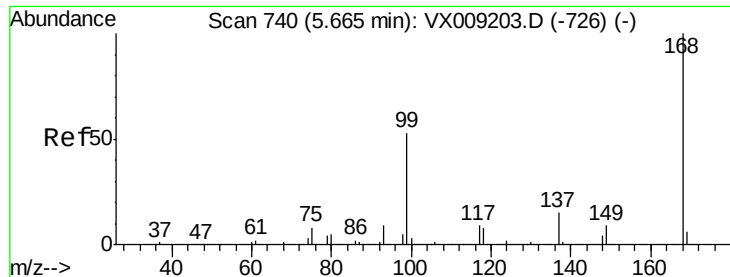
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009748.D

Acq: 21 May 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

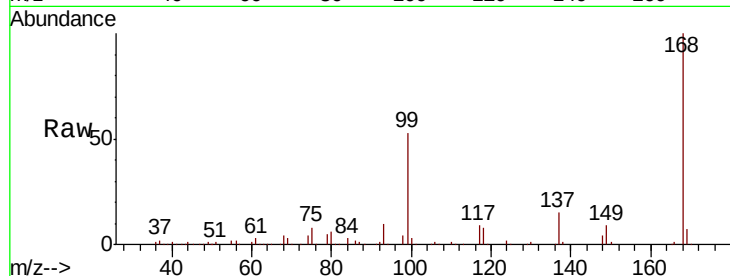
BP-VPB202-EB-20190520

Tot Ion:168 Resp: 169724

Ion Ratio Lower Upper

168 100

99 52.9 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

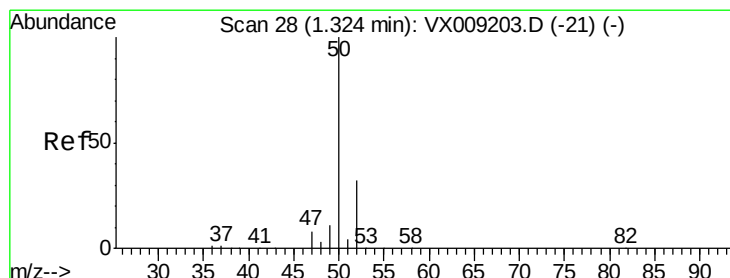
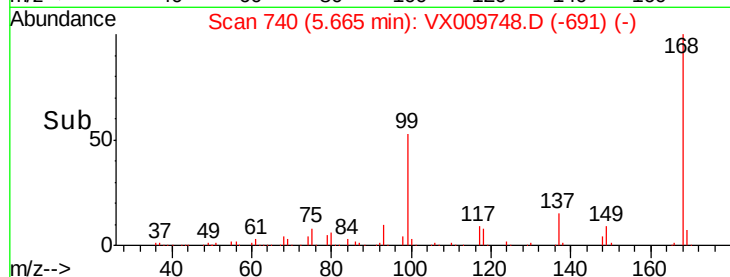
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.259 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009748.D

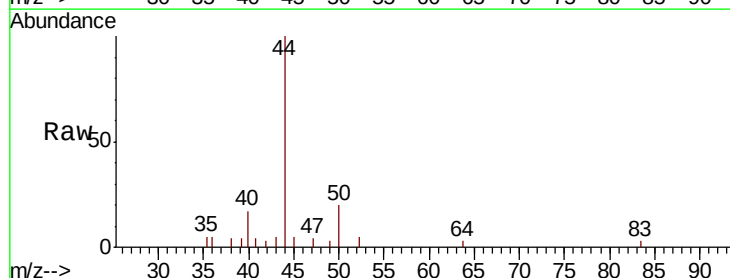
Acq: 21 May 2019 15:24

Tgt Ion: 50 Resp: 553

Ion Ratio Lower Upper

50 100

52 25.5 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

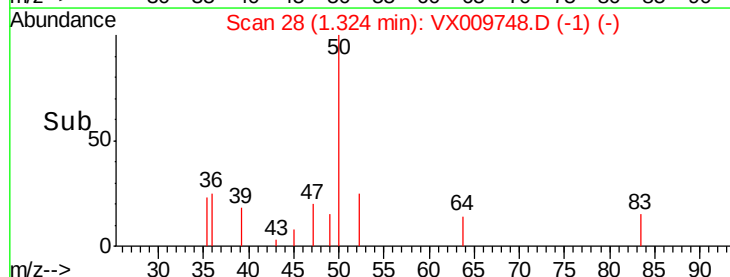
300

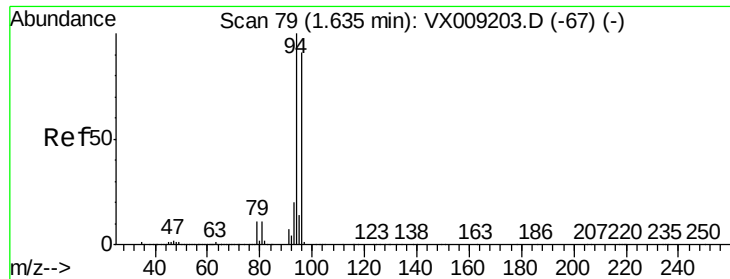
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.270 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009748.D

Acq: 21 May 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

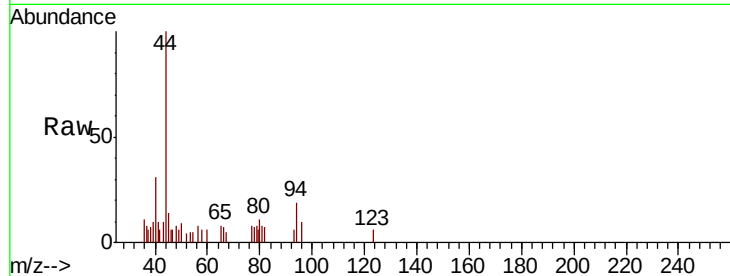
BP-VPB202-EB-20190520

Tot Ion: 94 Resp: 337

Ion Ratio Lower Upper

94 100

96 50.2 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

150

100

50

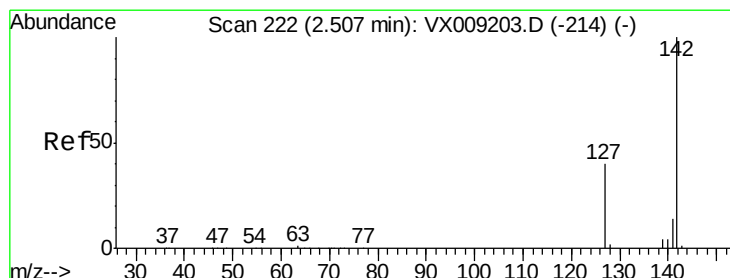
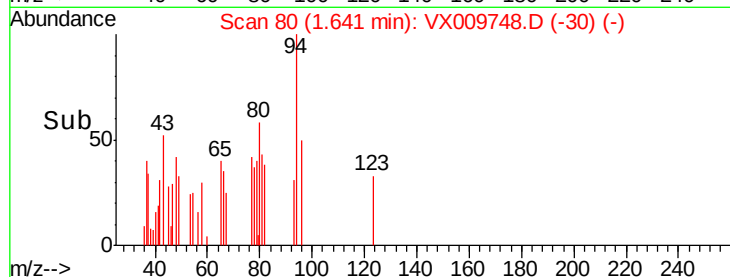
0

1.60

1.65

1.70

Time-->



#10

Methyl Iodide

Concen: 4.740 ug/l

RT: 2.54 min Scan# 227

Delta R.T. 0.03 min

Lab File: VX009748.D

Acq: 21 May 2019 15:24

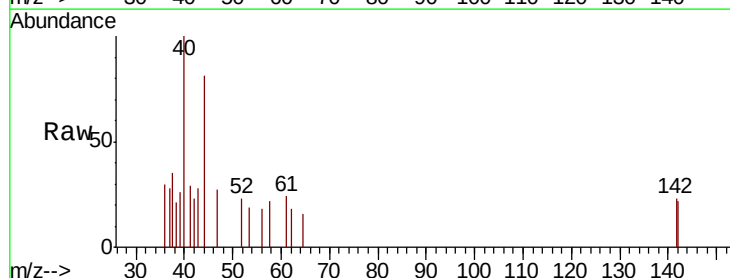
Tgt Ion: 142 Resp: 298

Ion Ratio Lower Upper

142 100

127 14.8 32.7 49.1#

141 0.0 11.5 17.3#



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

200

150

100

50

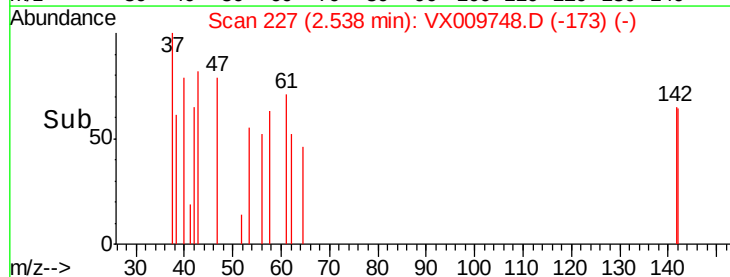
0

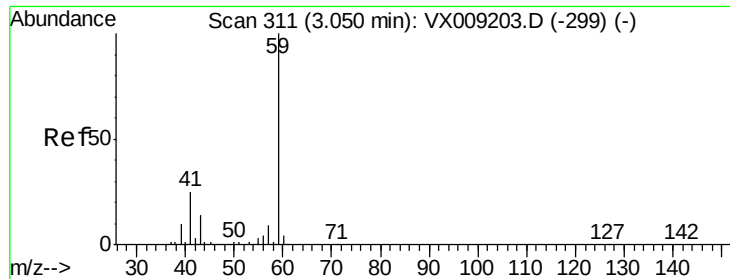
2.45

2.50

2.55

Time-->

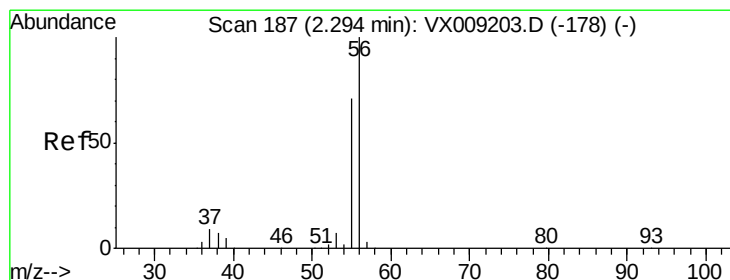
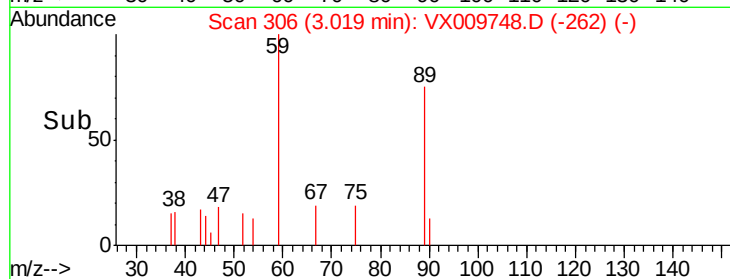
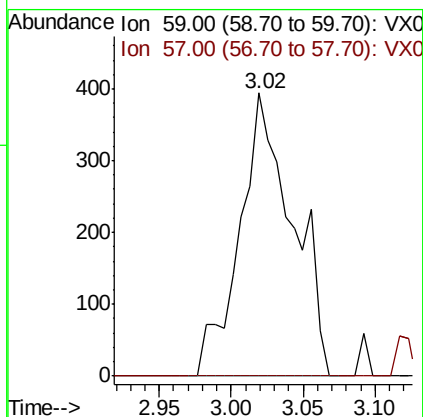
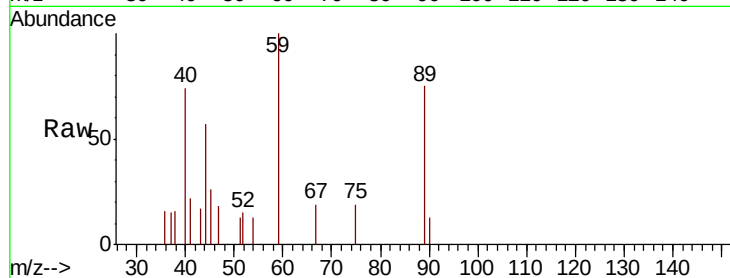




#11
Tert butyl alcohol
Concen: 1.878 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009748.D
Acq: 21 May 2019 15:24

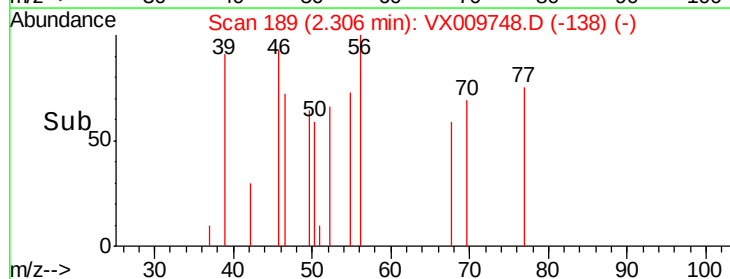
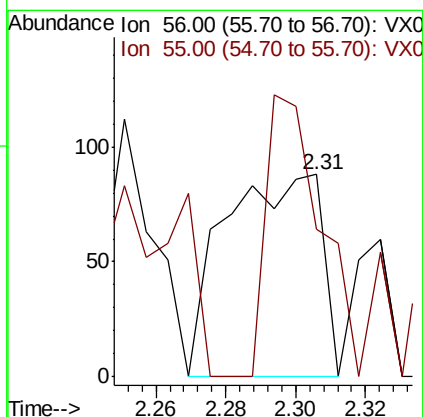
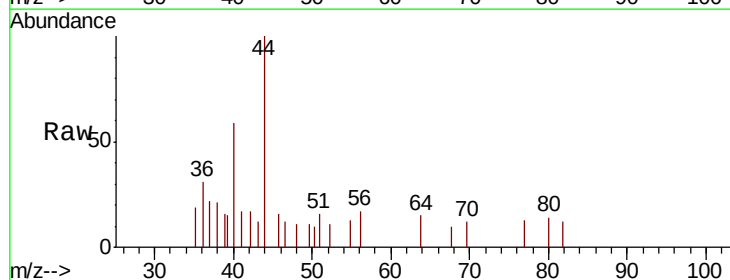
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-EB-20190520

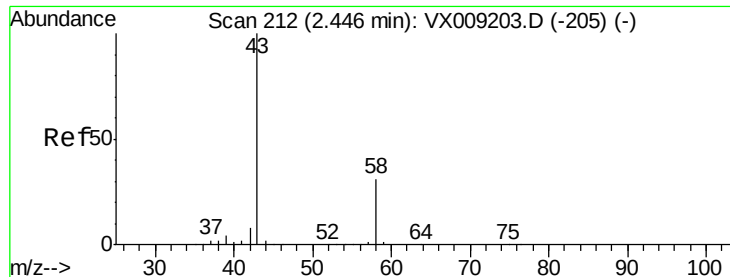
Tot Ion: 59 Resp: 1007
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 0.350 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX009748.D
Acq: 21 May 2019 15:24

Tgt Ion: 56 Resp: 170
Ion Ratio Lower Upper
56 100
55 78.2 56.6 85.0





#16

Acetone

Concen: 7.989 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009748.D

Acq: 21 May 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

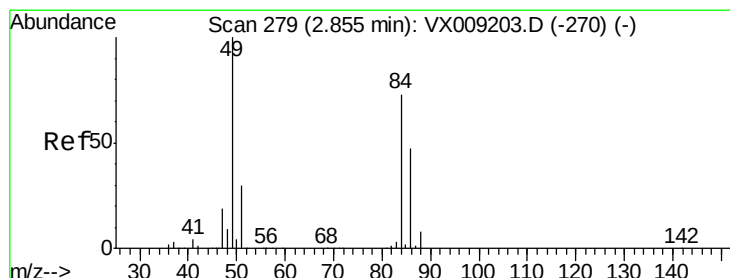
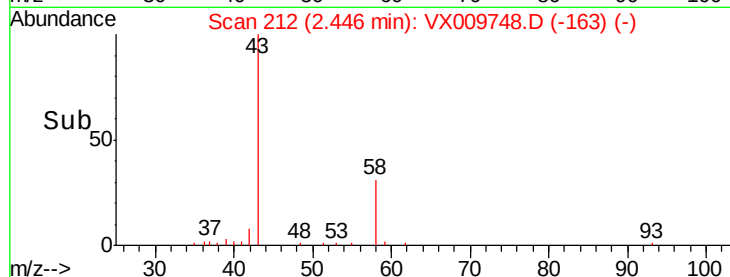
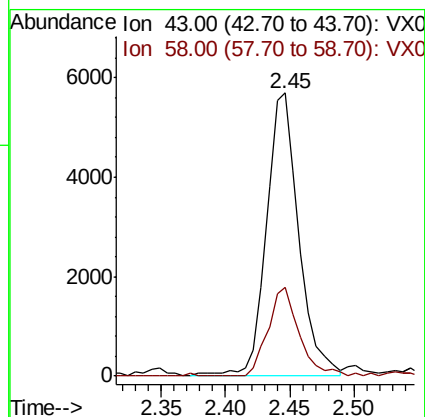
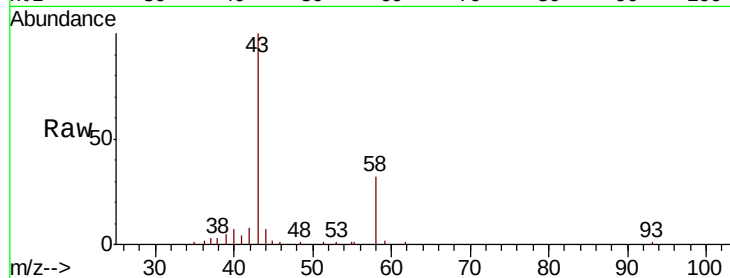
BP-VPB202-EB-20190520

Tot Ion: 43 Resp: 9939

Ion Ratio Lower Upper

43 100

58 30.4 24.9 37.3



#20

Methylene Chloride

Concen: 0.267 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX009748.D

Acq: 21 May 2019 15:24

Tgt Ion: 84 Resp: 537

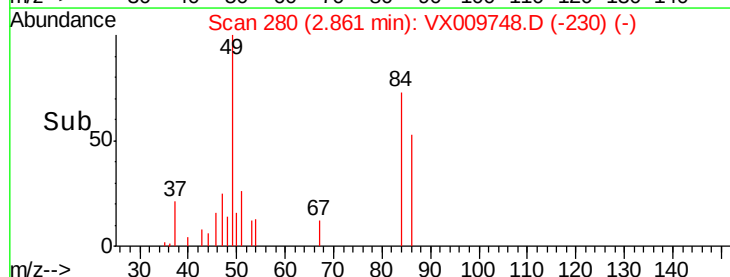
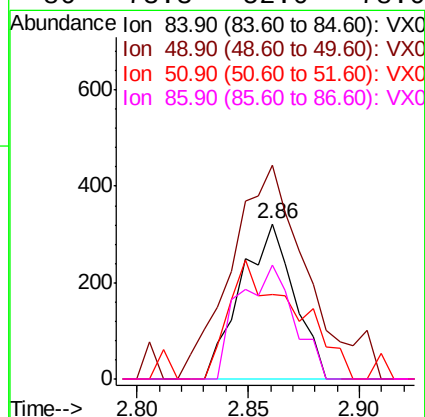
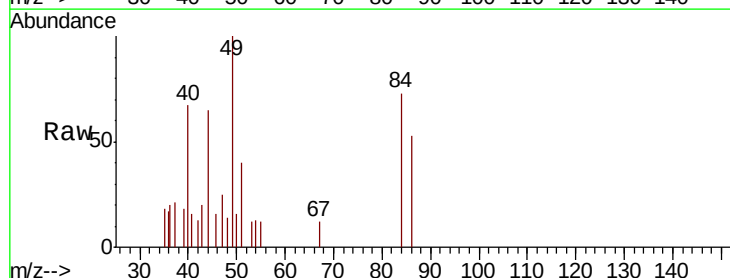
Ion Ratio Lower Upper

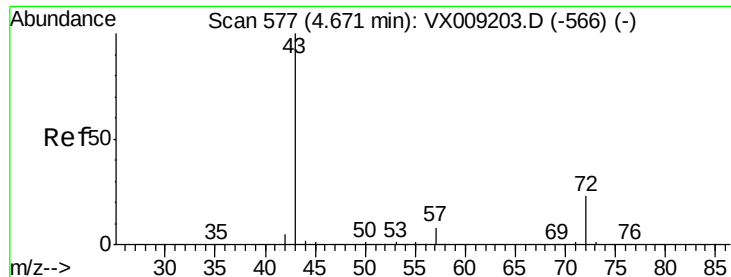
84 100

49 121.7 109.9 164.9

51 54.7 32.7 49.1#

86 73.3 52.0 78.0





#25

2-Butanone

Concen: 0.335 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.04 min

Lab File: VX009748.D

Acq: 21 May 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

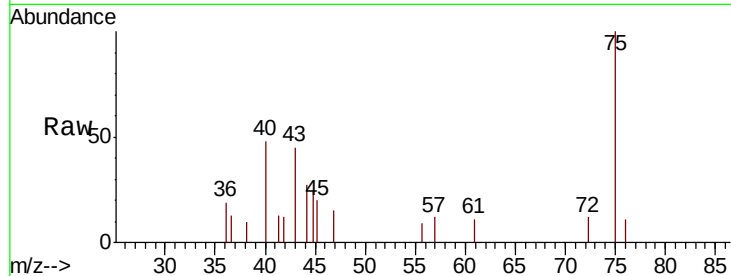
BP-VPB202-EB-20190520

Tot Ion: 43 Resp: 648

Ion Ratio Lower Upper

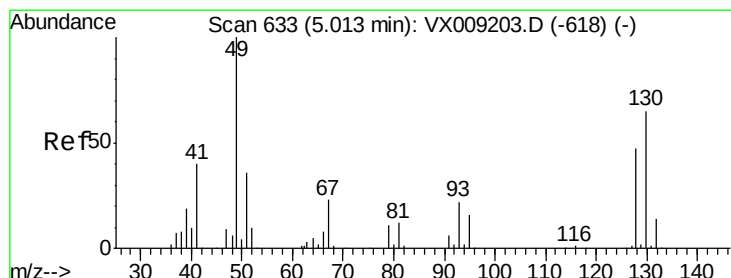
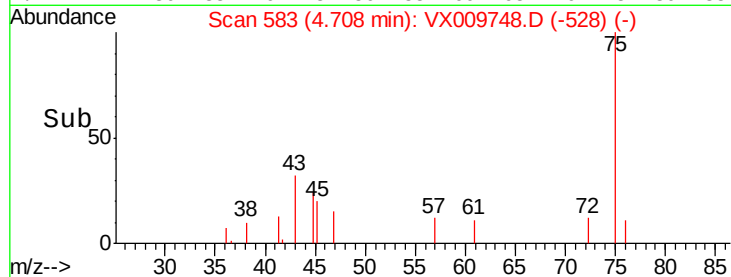
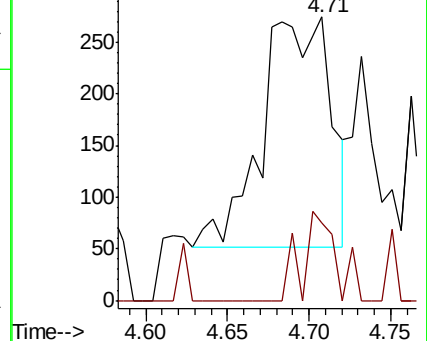
43 100

72 33.8 18.2 27.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: VX009748.D

Acq: 21 May 2019 15:24

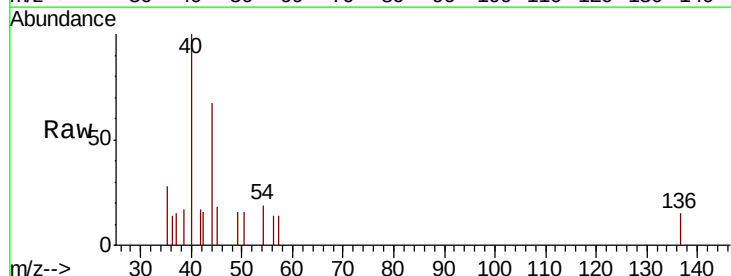
Tgt Ion: 49 Resp: 63

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

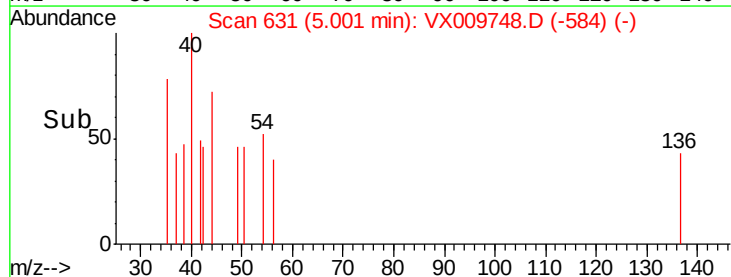
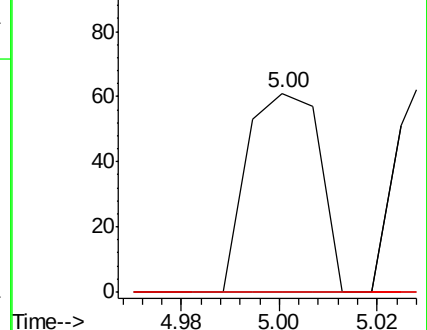
130 0.0 51.2 76.8#

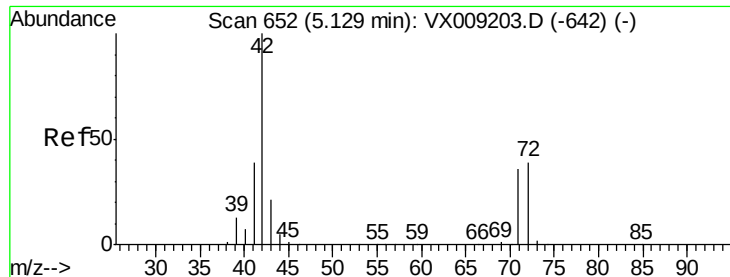


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 0.635 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX009748.D

Acq: 21 May 2019 15:24

Instrument :

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ClientSampleId :

BP-VPB202-EB-20190520

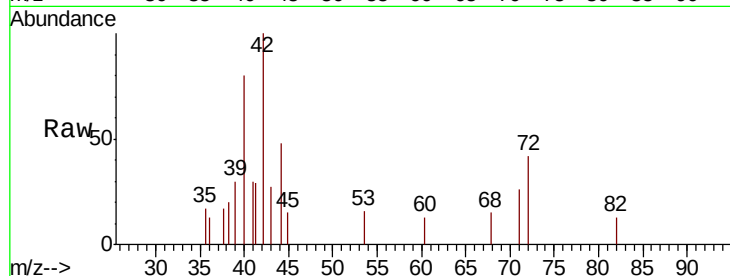
Tot Ion: 42 Resp: 790

Ion Ratio Lower Upper

42 100

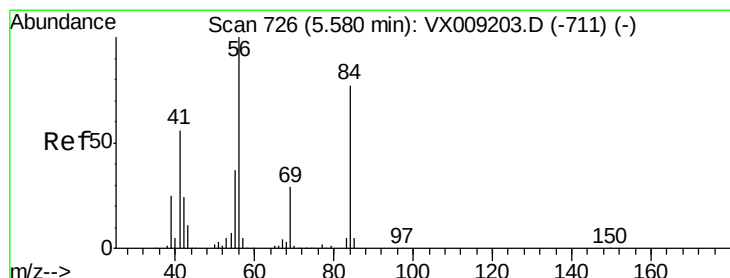
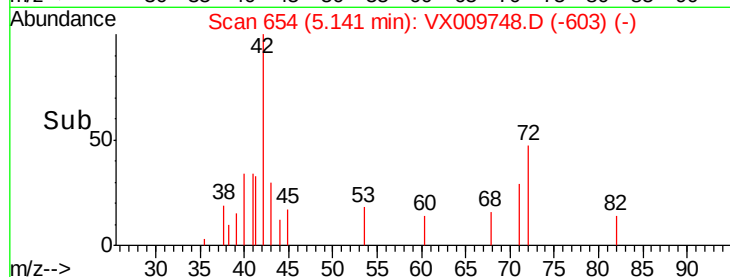
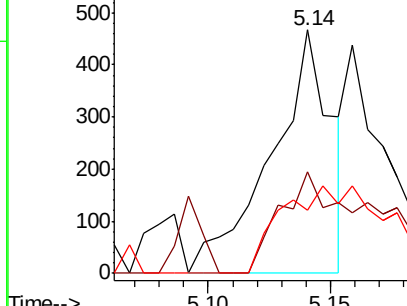
72 41.6 30.4 45.6

71 69.7 28.6 43.0#



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

5.14



#31

Cyclohexane

Concen: 1.142 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009748.D

Acq: 21 May 2019 15:24

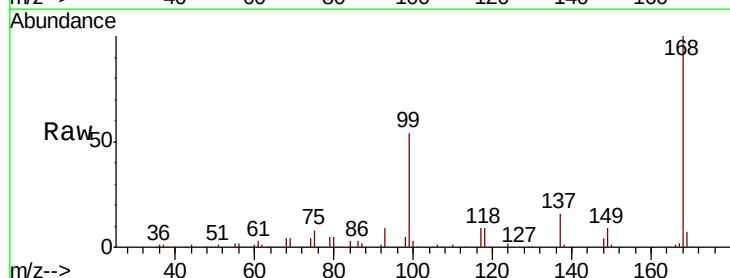
Tgt Ion: 56 Resp: 3911

Ion Ratio Lower Upper

56 100

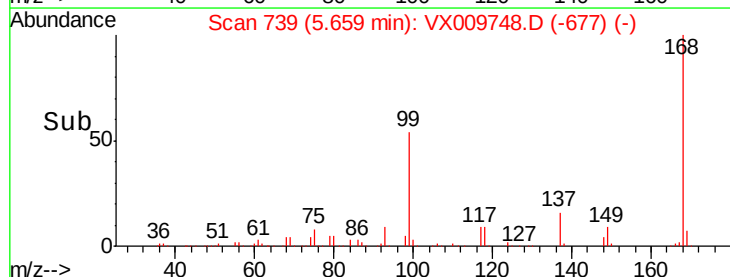
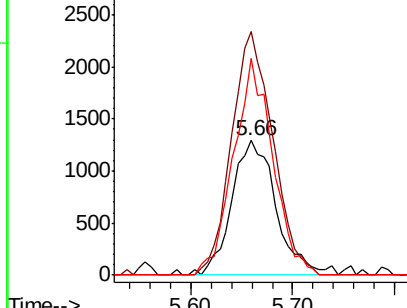
69 181.2 23.4 35.0#

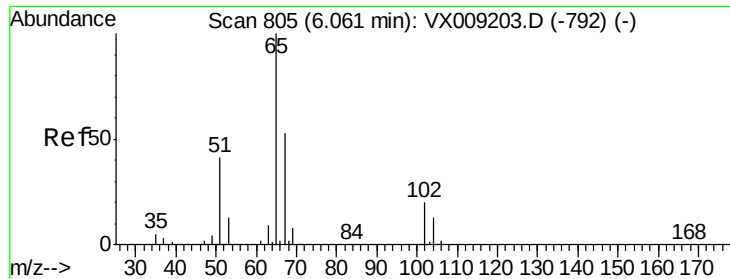
84 161.0 61.9 92.9#



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

5.66

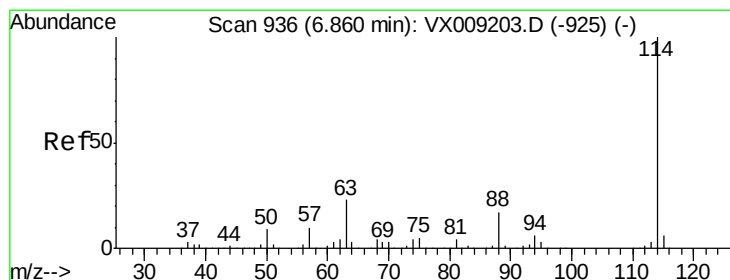
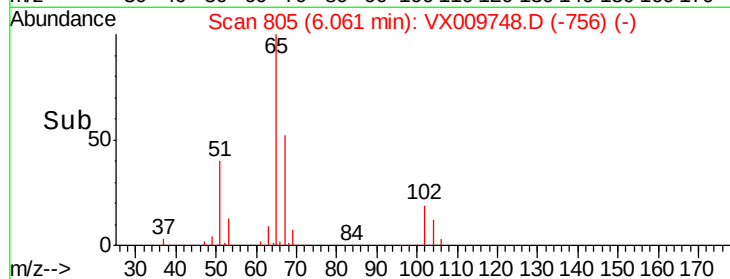
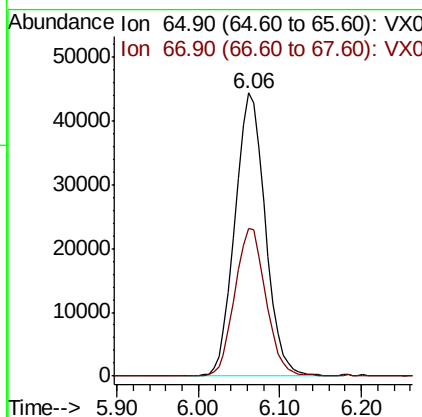
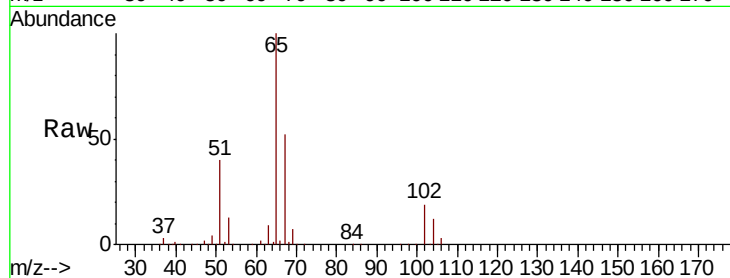




#33
 1,2-Dichloroethane-d4
 Concen: 49.388 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009748.D
 Acq: 21 May 2019 15:24

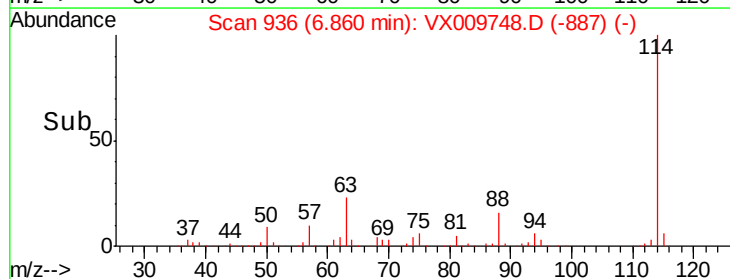
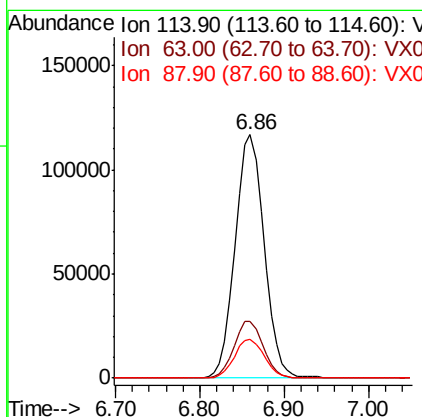
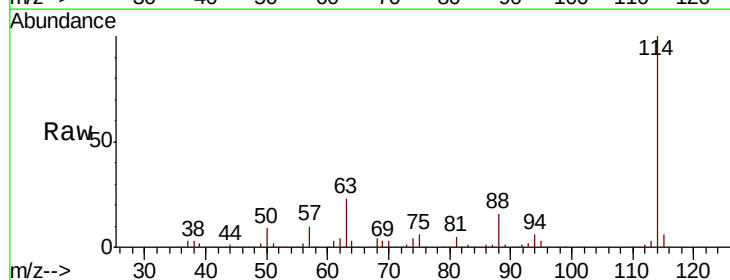
Instrument :
 MSVOA_X
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 BP-VPB202-EB-20190520

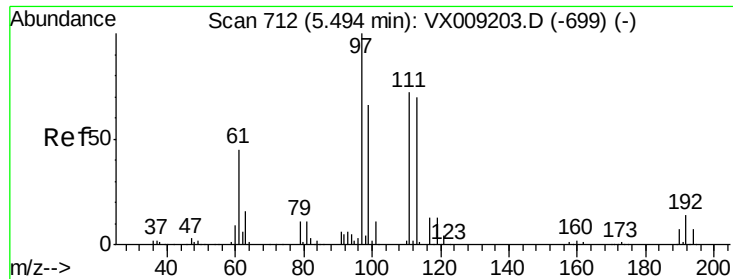
Tot Ion: 65 Resp: 114429
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009748.D
 Acq: 21 May 2019 15:24

Tgt Ion: 114 Resp: 272025
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 45.6
 88 15.8 0.0 33.2

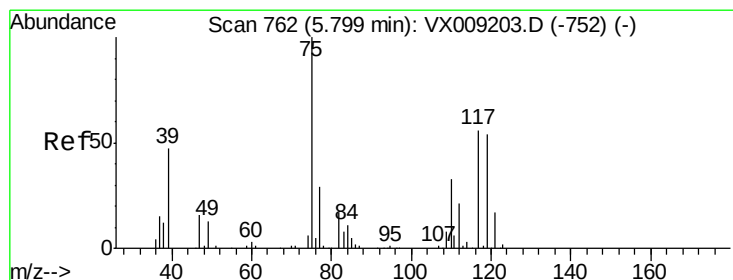
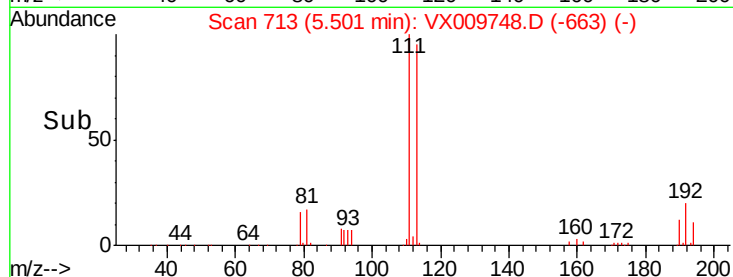
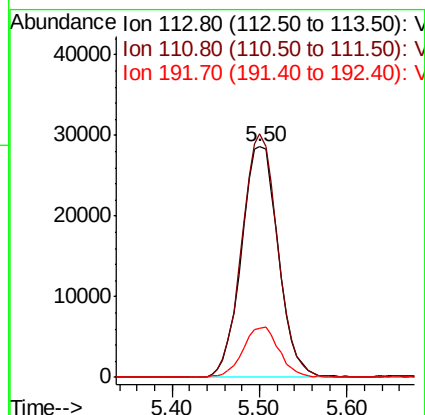
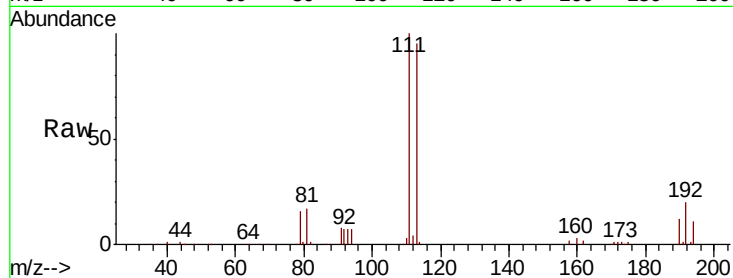




#35
 Dibromofluoromethane
 Concen: 49.273 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009748.D
 Acq: 21 May 2019 15:24

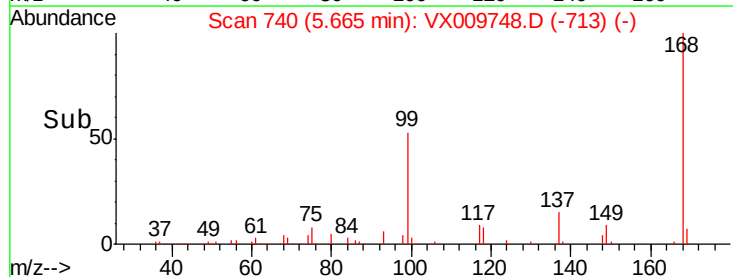
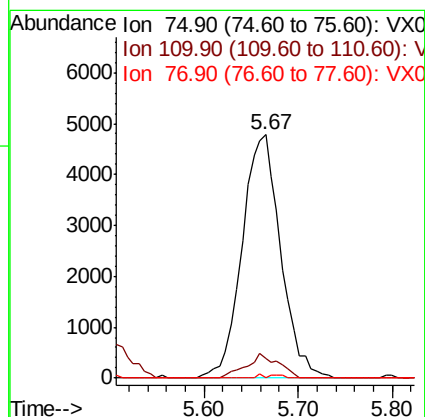
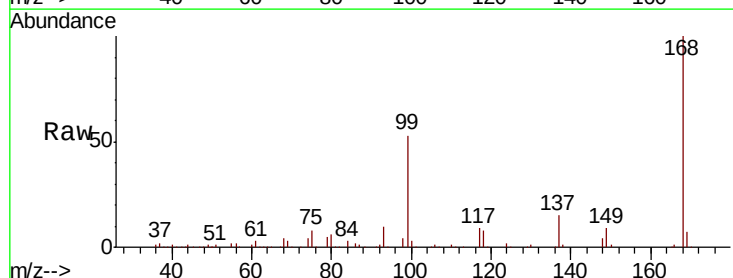
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-EB-20190520

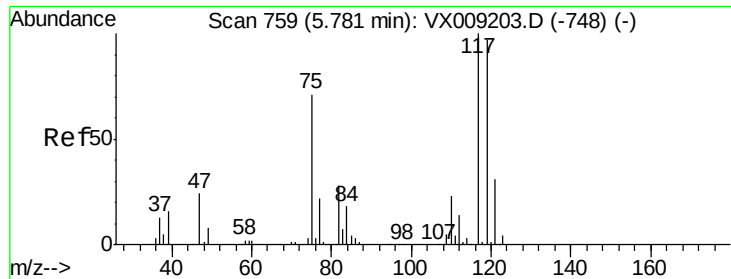
Tot Ion:113 Resp: 84260
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.8 124.2
 192 21.3 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.414 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009748.D
 Acq: 21 May 2019 15:24

Tgt Ion: 75 Resp: 13686
 Ion Ratio Lower Upper
 75 100
 110 0.0 16.9 50.6#
 77 0.5 24.8 37.2#

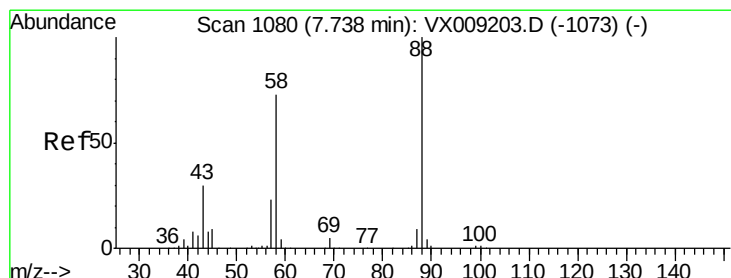
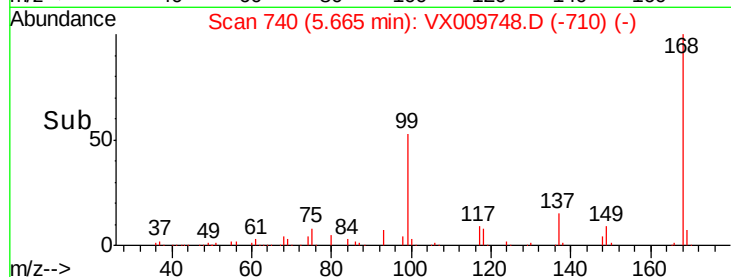
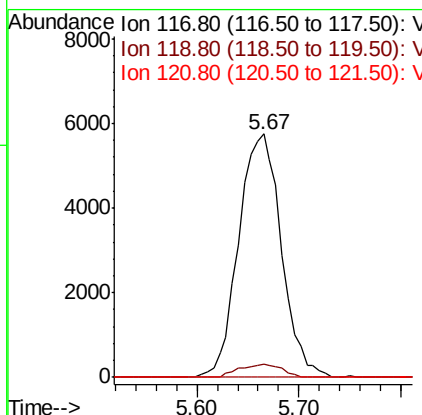
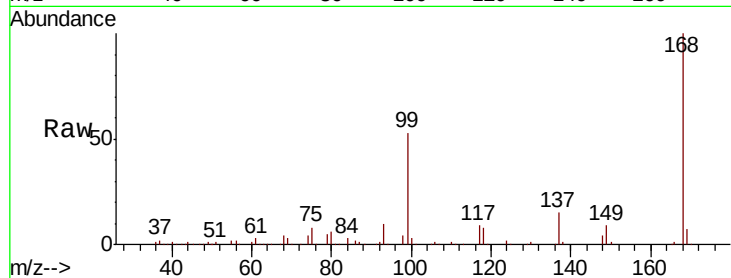




#38
Carbon Tetrachloride
Concen: 7.253 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX009748.D
Acq: 21 May 2019 15:24

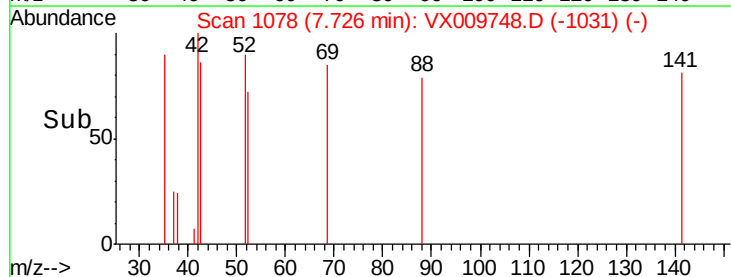
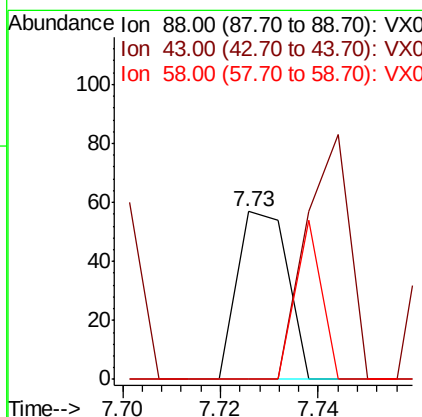
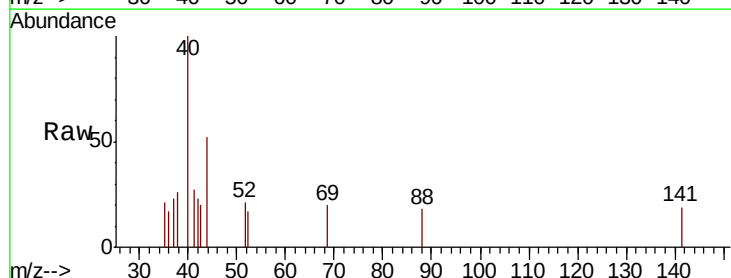
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-EB-20190520

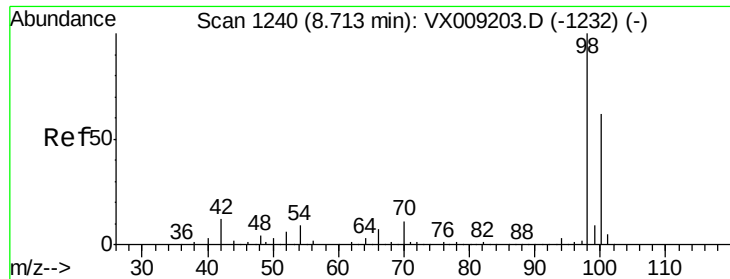
Tot Ion:117 Resp: 16658
Ion Ratio Lower Upper
117 100
119 5.3 77.5 116.3#
121 0.0 24.7 37.1#



#49
1,4-Dioxane
Concen: 0.723 ug/l
RT: 7.73 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VX009748.D
Acq: 21 May 2019 15:24

Tgt Ion: 88 Resp: 41
Ion Ratio Lower Upper
88 100
43 124.4 28.6 42.8#
58 48.8 61.7 92.5#





#50

Toluene-d8

Concen: 49.860 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009748.D

Acq: 21 May 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

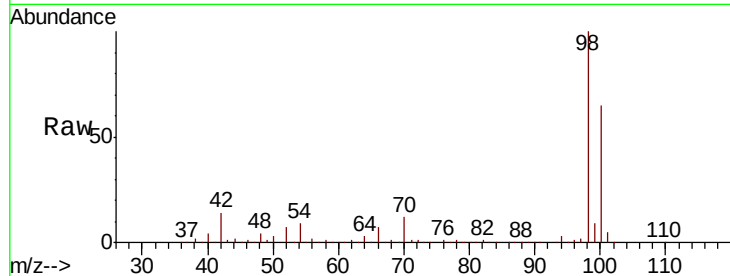
BP-VPB202-EB-20190520

Tot Ion: 98 Resp: 344233

Ion Ratio Lower Upper

98 100

100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

250000

200000

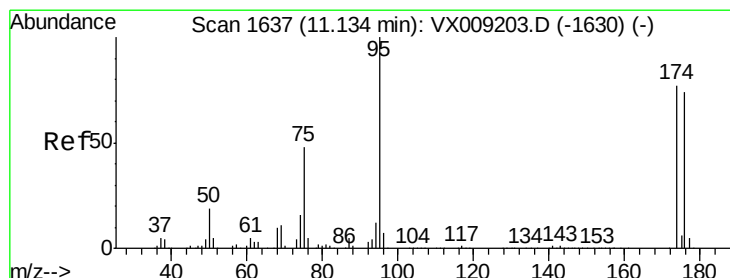
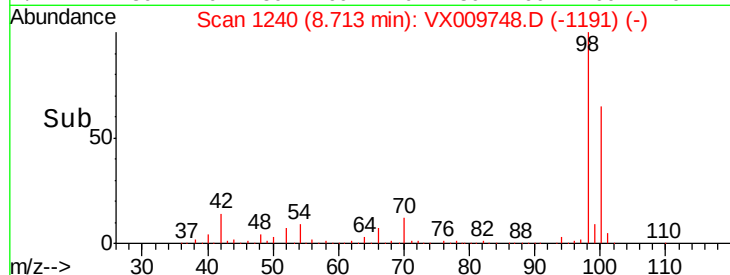
150000

100000

50000

0

Time--> 8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 45.613 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009748.D

Acq: 21 May 2019 15:24

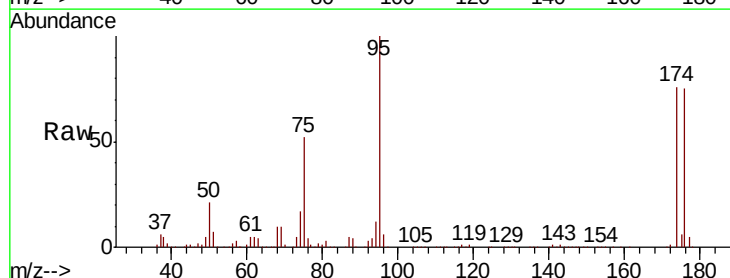
Tgt Ion: 95 Resp: 114426

Ion Ratio Lower Upper

95 100

174 81.4 0.0 161.6

176 78.6 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

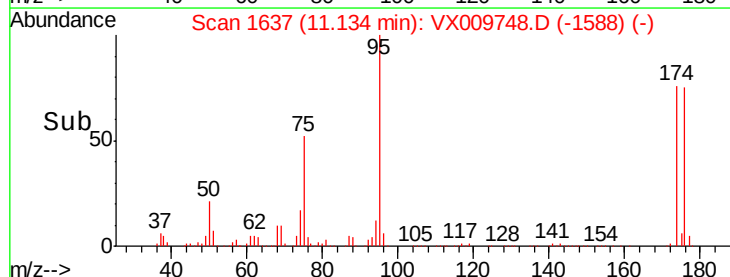
60000

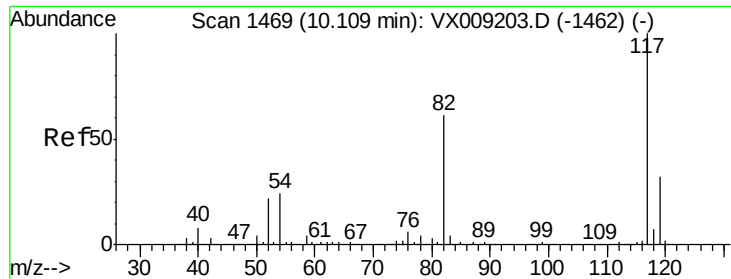
40000

20000

0

Time--> 11.05 11.10 11.15 11.20

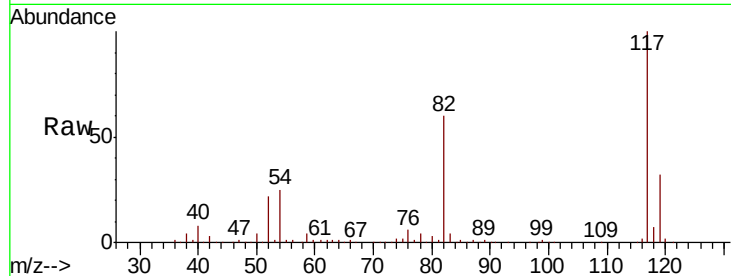




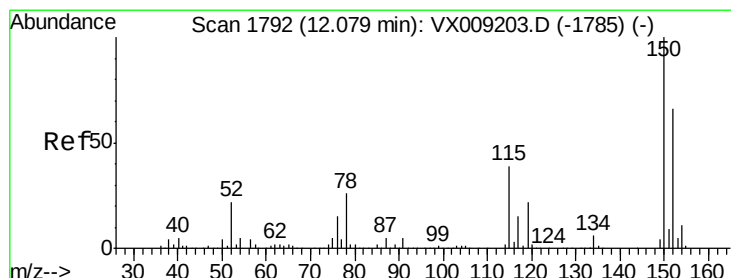
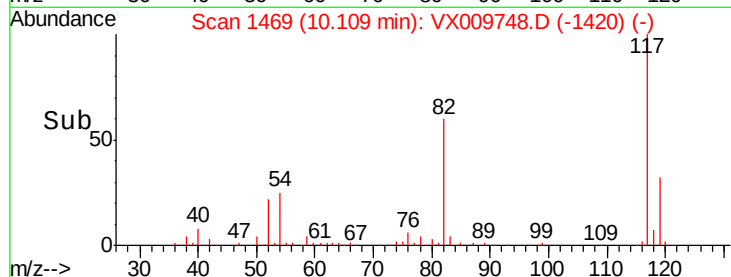
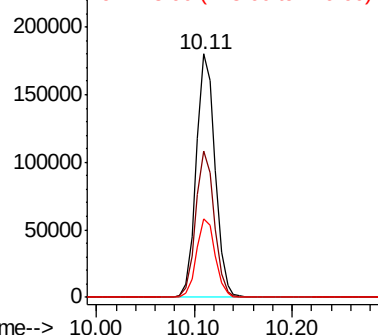
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009748.D
Acq: 21 May 2019 15:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-EB-20190520

Tot Ion:117 Resp: 240520
Ion Ratio Lower Upper
117 100
82 60.1 48.8 73.2
119 32.3 25.8 38.6

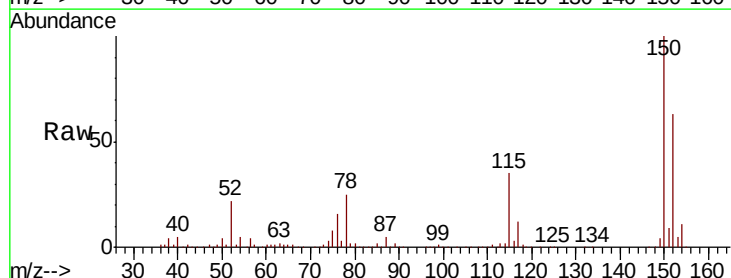


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

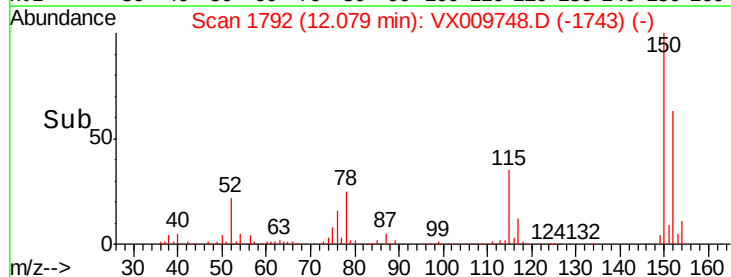
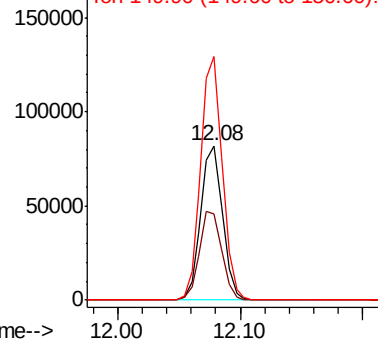


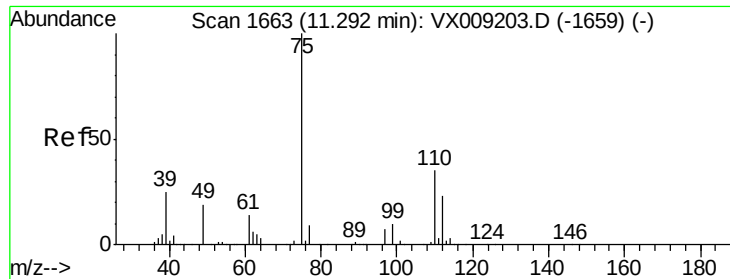
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009748.D
Acq: 21 May 2019 15:24

Tgt Ion:152 Resp: 101034
Ion Ratio Lower Upper
152 100
115 58.9 41.2 123.6
150 156.1 0.0 346.4



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

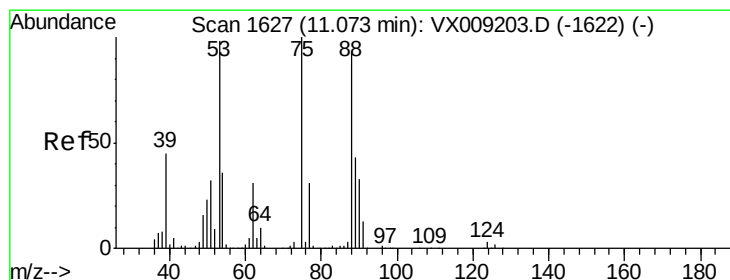
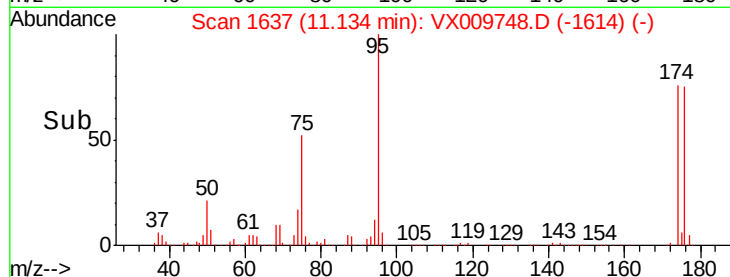
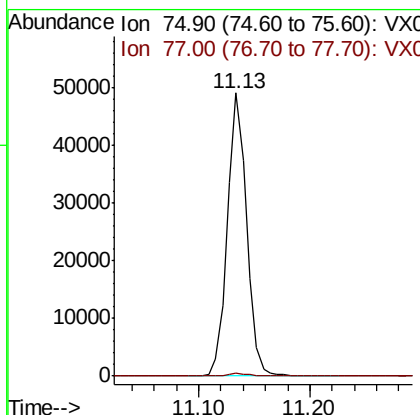
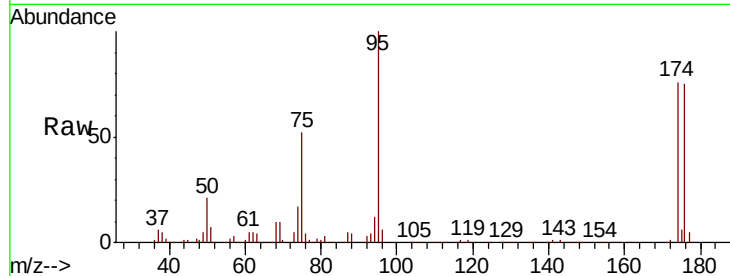




#76
 1,2,3-Trichloropropane
 Concen: 25.060 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009748.D
 Acq: 21 May 2019 15:24

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-EB-20190520

Tot Ion: 75 Resp: 58732
 Ion Ratio Lower Upper
 75 100
 77 1.1 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.120 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009748.D
 Acq: 21 May 2019 15:24

Tgt Ion: 75 Resp: 58732
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.0 118.6#
 89 0.1 34.7 52.1#

