

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009681.D
 Acq On : 17 May 2019 22:50
 Operator : JC/SP
 Sample : K2891-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-618-620

Quant Time: May 18 04:54:25 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	5.66	168	164174	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	259676	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	225636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	87233	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	109921	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
35) Dibromofluoromethane	5.50	113	79884	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
50) Toluene-d8	8.71	98	328216	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
62) 4-Bromofluorobenzene	11.13	95	102304	42.72	ug/l	0.00
Spiked Amount			Recovery	=	85.44%	

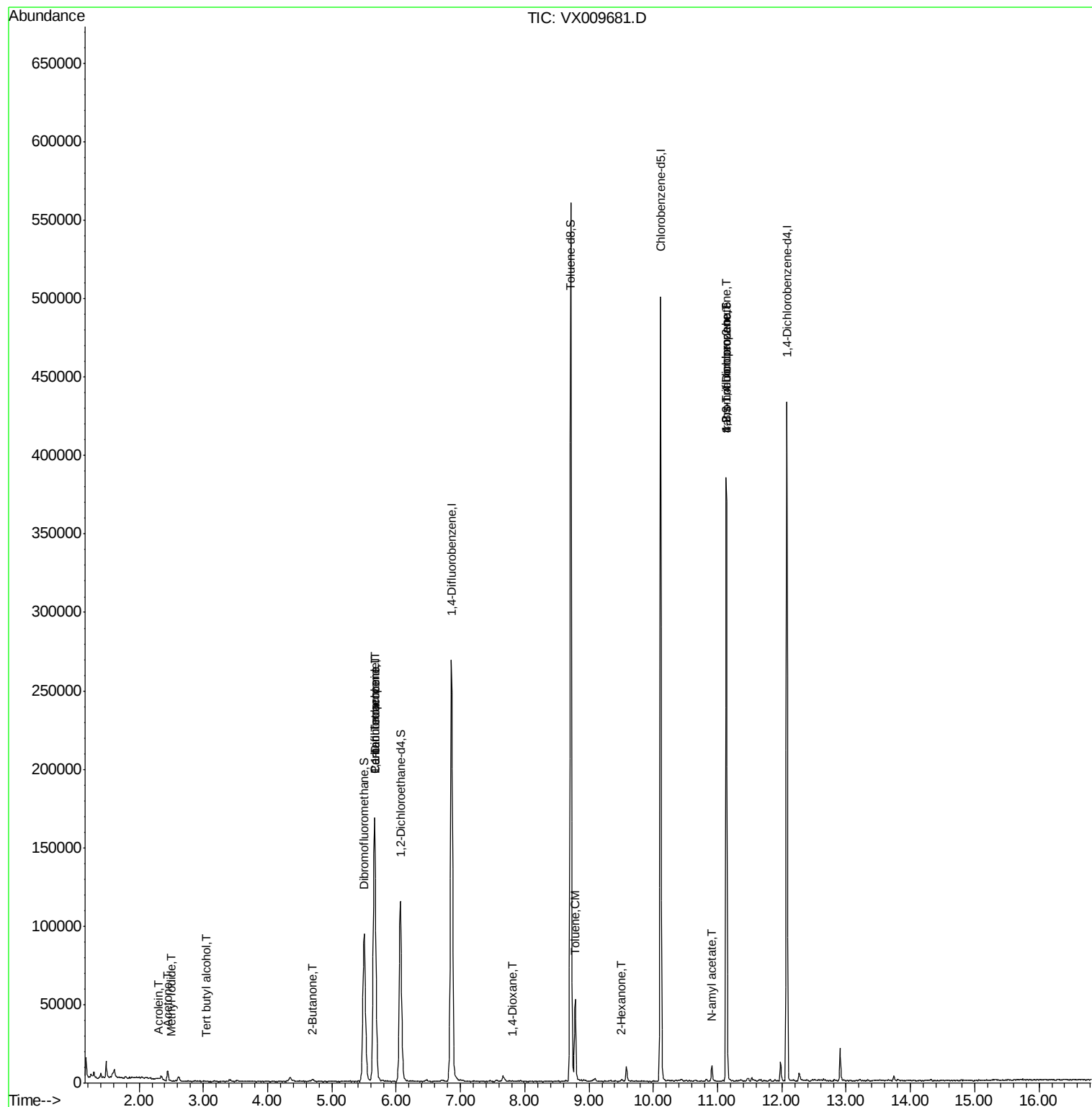
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.51	142	19	4.604	ug/l #	42
11) Tert butyl alcohol	3.06	59	142	0.274	ug/l #	35
13) Acrolein	2.30	56	345	0.734	ug/l #	59
16) Acetone	2.45	43	6928	5.757	ug/l	98
25) 2-Butanone	4.69	43	2454	1.312	ug/l	96
28) Bromochloromethane	5.01	49	25	Below Cal	#	20
36) 1,1-Dichloropropene	5.66	75	12860	5.329	ug/l #	51
38) Carbon Tetrachloride	5.66	117	15677	7.150	ug/l #	15
49) 1,4-Dioxane	7.81	88	19	0.351	ug/l #	1
52) Toluene	8.79	92	18582	4.093	ug/l	98
59) 2-Hexanone	9.51	43	748	0.271	ug/l	86
74) N-amyl acetate	10.91	43	1726	0.467	ug/l #	18
76) 1,2,3-Trichloropropane	11.13	75	53264	26.323	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	53264	67.351	ug/l #	10

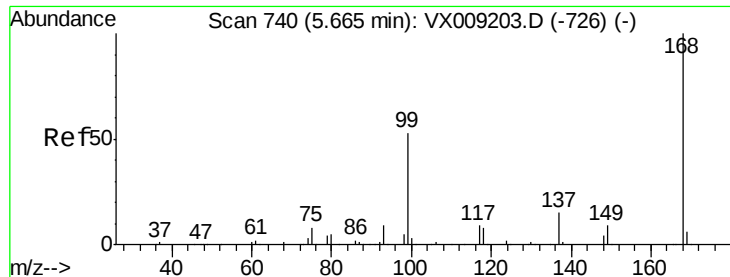
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BP-VPB202-GW-618-620

Quant Time: May 18 04:54:25 2019
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: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009681.D

Acq: 17 May 2019 22:50

Instrument :

MSVOA_X

ClientSampleId :

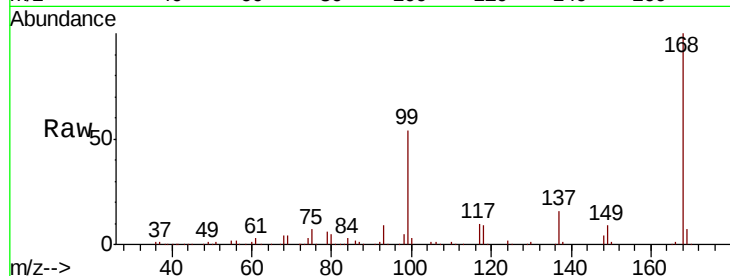
BP-VPB202-GW-618-620

Tot Ion:168 Resp: 164174

Ion Ratio Lower Upper

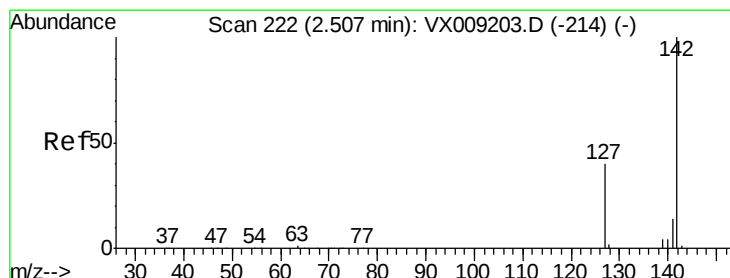
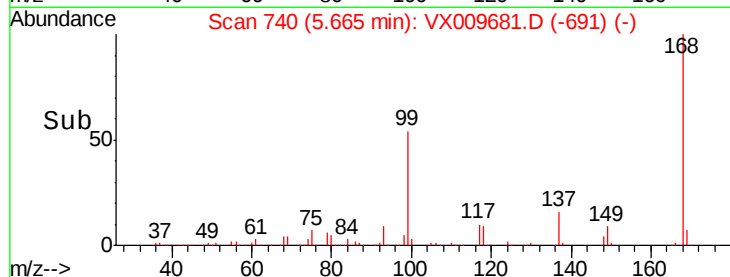
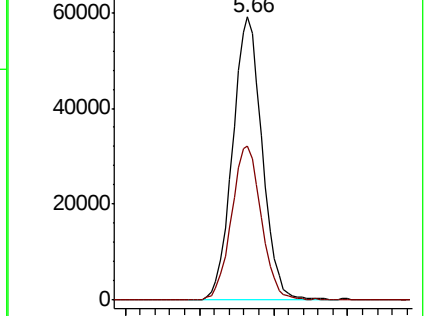
168 100

99 54.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 4.604 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009681.D

Acq: 17 May 2019 22:50

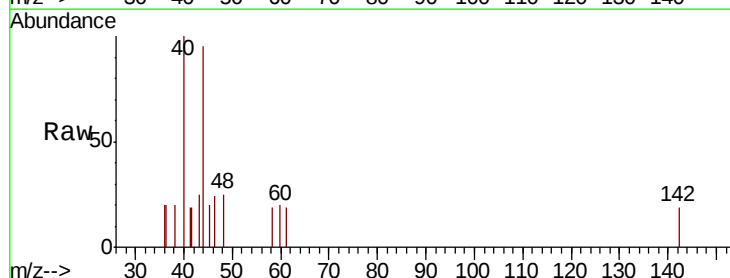
Tgt Ion:142 Resp: 19

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

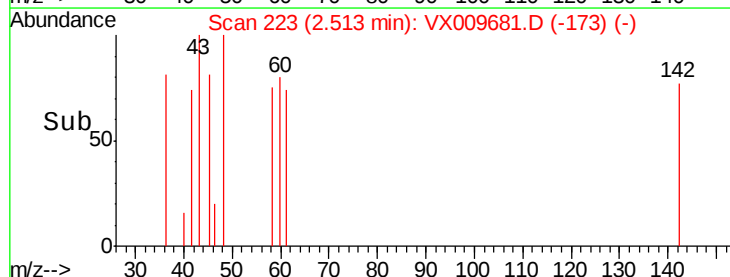
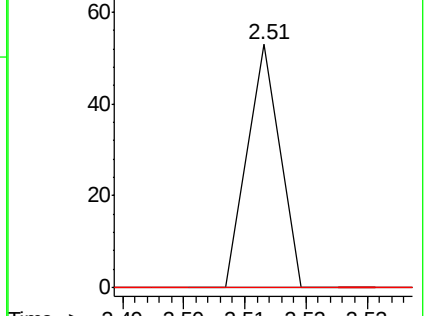
141 0.0 11.5 17.3#

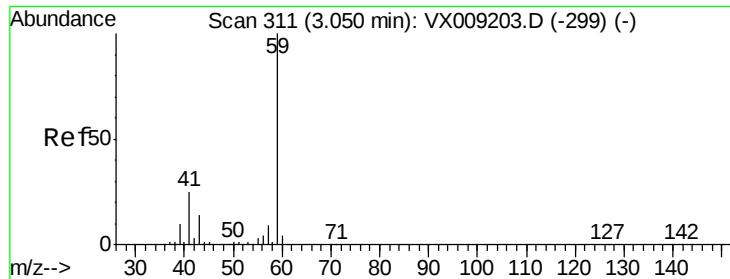


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



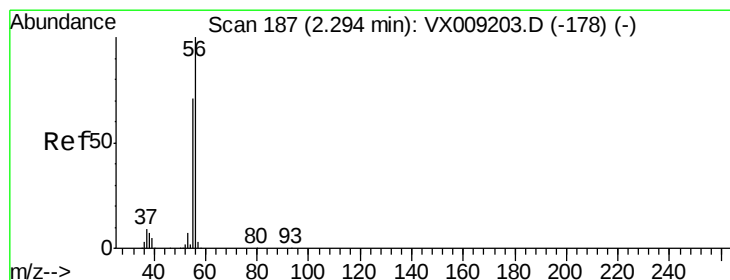
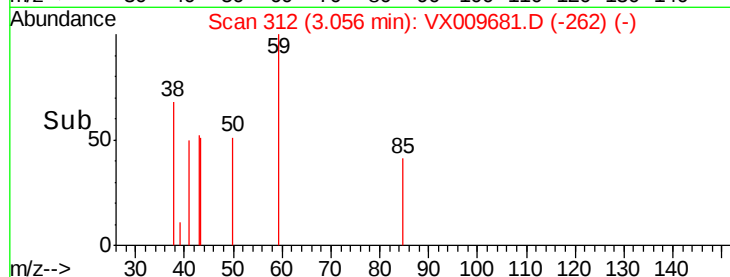
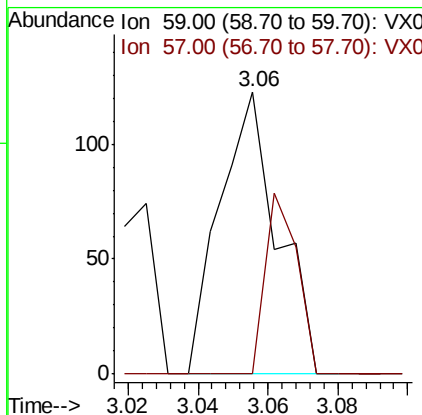
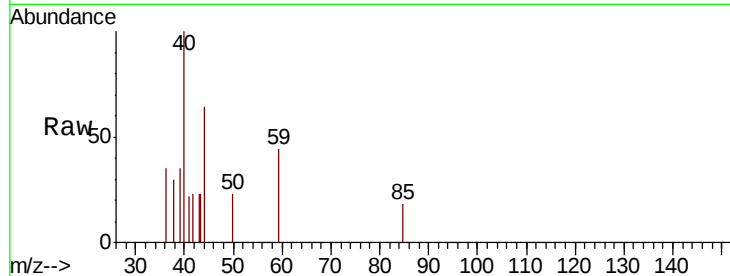


#11

Tert butvl alcohol
 Concen: 0.274 ug/l
 RT: 3.06 min Scan# 312
 Delta R.T. 0.01 min
 Lab File: VX009681.D
 Acq: 17 May 2019 22:50

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-618-620

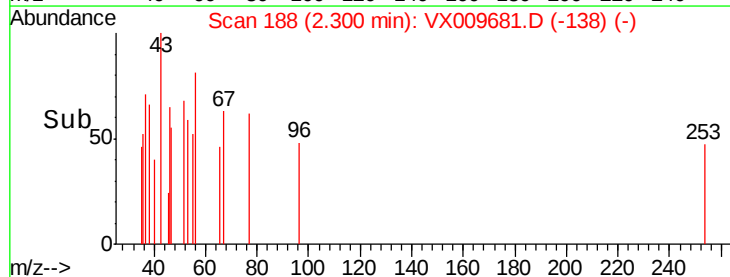
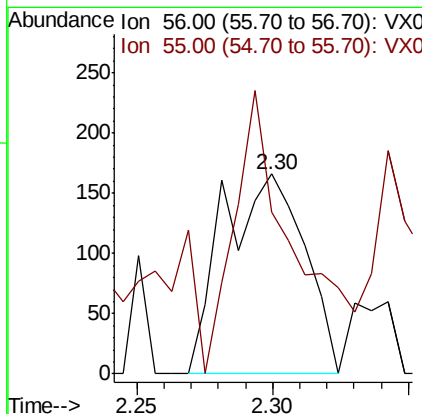
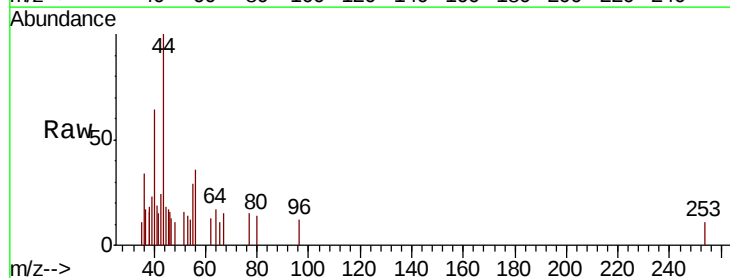
Tot Ion: 59 Resp: 142
 Ion Ratio Lower Upper
 59 100
 57 34.5 8.2 12.2#

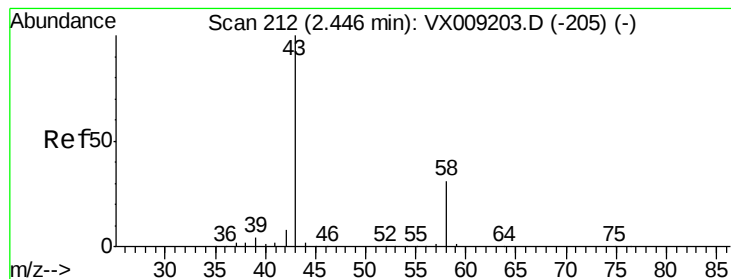


#13

Acrolein
 Concen: 0.734 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX009681.D
 Acq: 17 May 2019 22:50

Tgt Ion: 56 Resp: 345
 Ion Ratio Lower Upper
 56 100
 55 104.6 56.6 85.0#





#16

Acetone

Concen: 5.757 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009681.D

Acq: 17 May 2019 22:50

Instrument :

MSVOA_X

ClientSampleId :

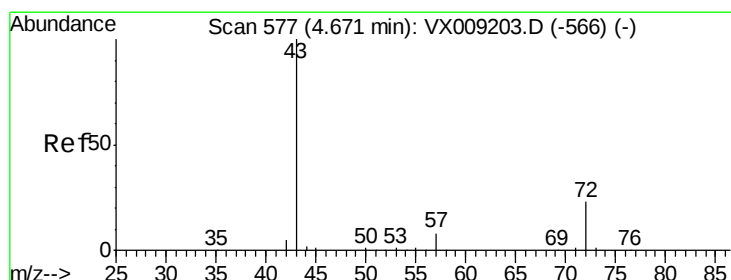
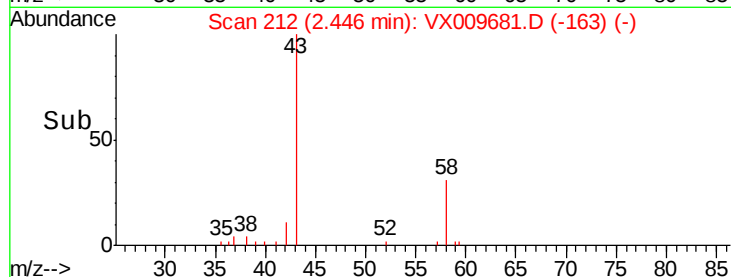
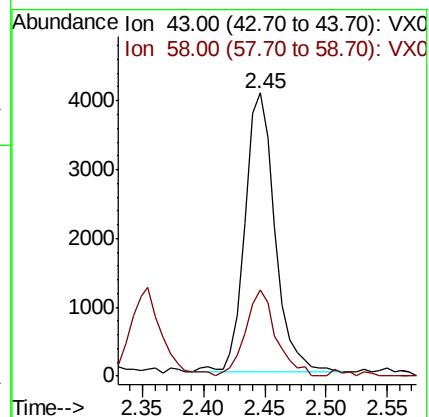
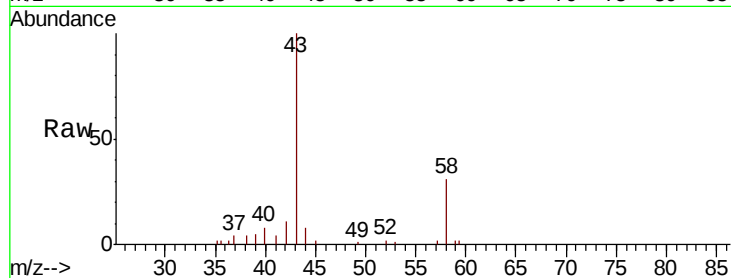
BP-VPB202-GW-618-620

Tot Ion: 43 Resp: 6928

Ion Ratio Lower Upper

43 100

58 29.8 24.9 37.3



#25

2-Butanone

Concen: 1.312 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX009681.D

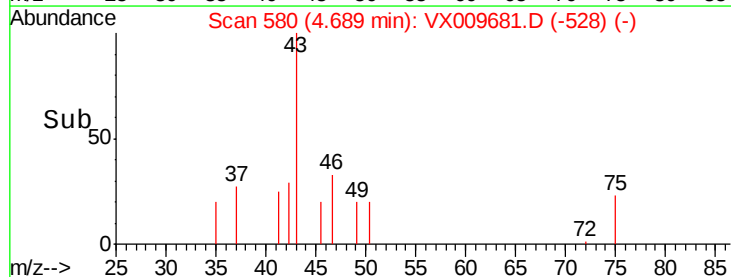
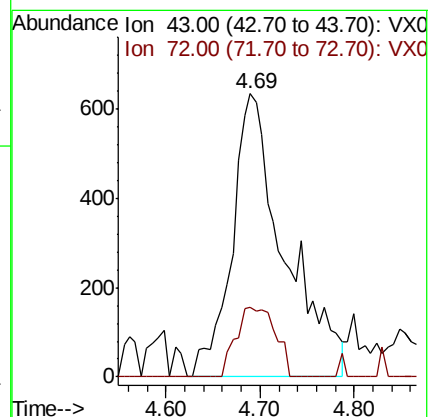
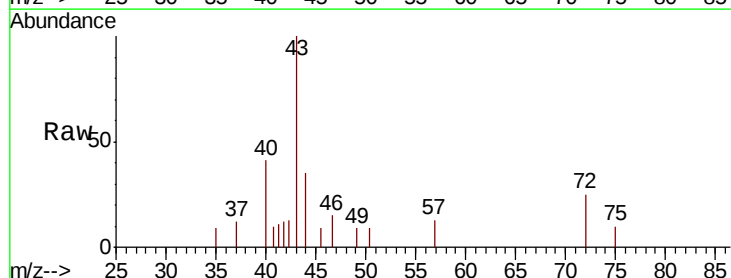
Acq: 17 May 2019 22:50

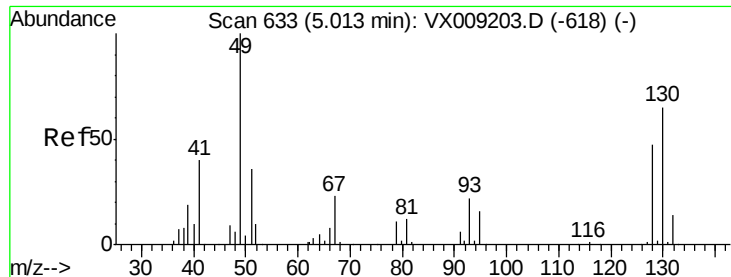
Tgt Ion: 43 Resp: 2454

Ion Ratio Lower Upper

43 100

72 24.6 18.2 27.2





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX009681.D

Acq: 17 May 2019 22:50

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-618-620

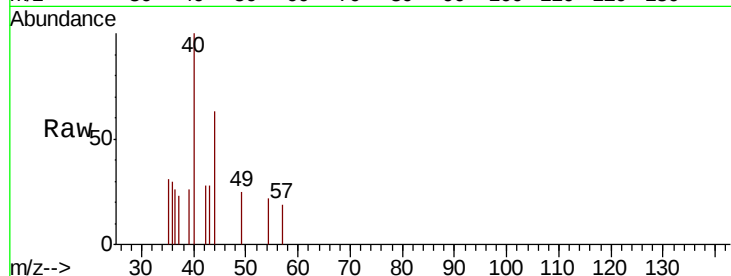
Tot Ion: 49 Resp: 25

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

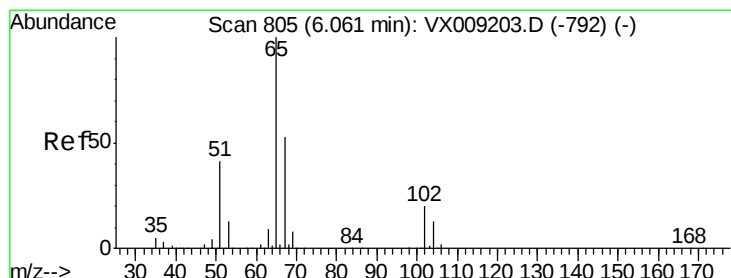
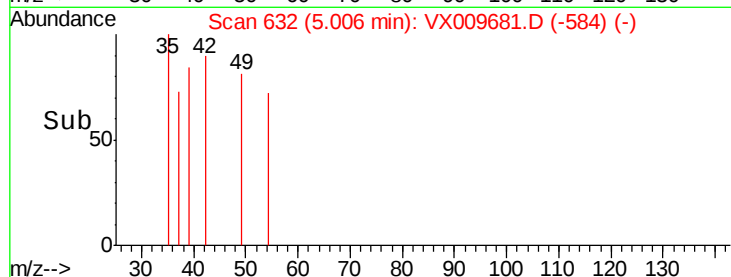
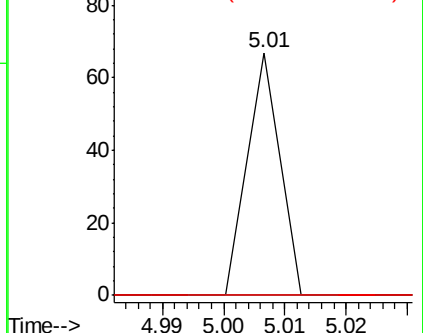
130 0.0 51.2 76.8#



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



#33

1,2-Dichloroethane-d4

Concen: 49.046 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX009681.D

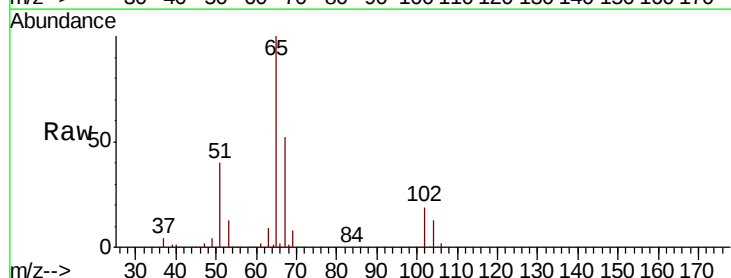
Acq: 17 May 2019 22:50

Tgt Ion: 65 Resp: 109921

Ion Ratio Lower Upper

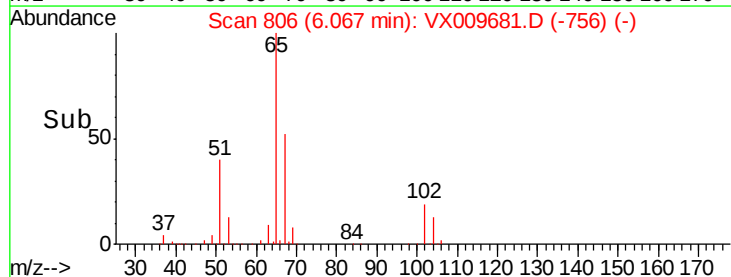
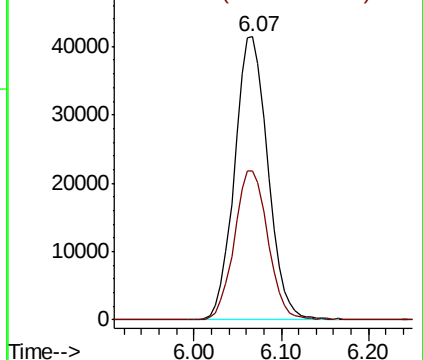
65 100

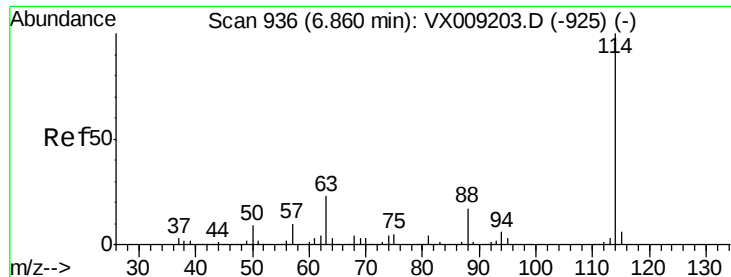
67 53.1 0.0 106.6



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009681.D

Acq: 17 May 2019 22:50

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-618-620

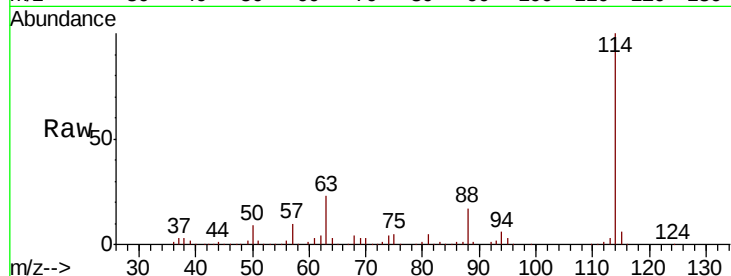
Tot Ion:114 Resp: 259676

Ion Ratio Lower Upper

114 100

63 23.5 0.0 45.6

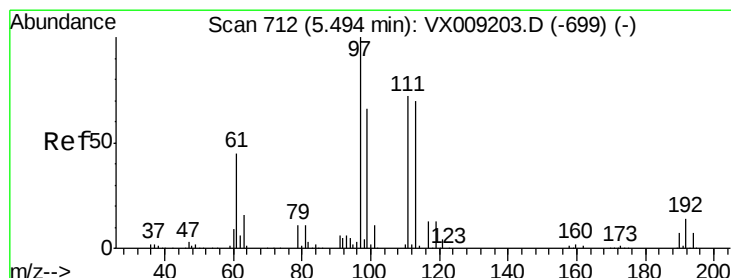
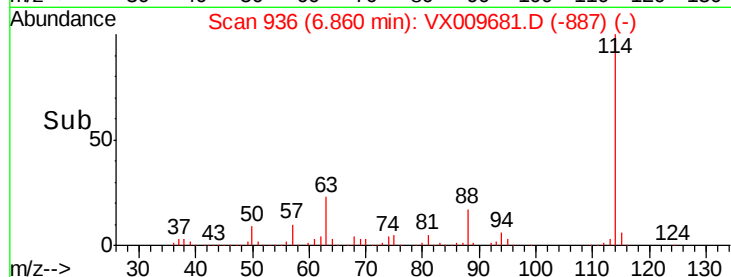
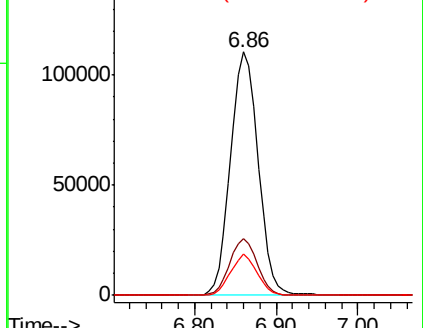
88 16.8 0.0 33.2



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: 48.936 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009681.D

Acq: 17 May 2019 22:50

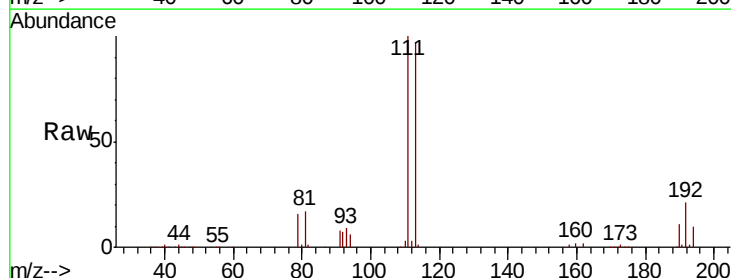
Tgt Ion:113 Resp: 79884

Ion Ratio Lower Upper

113 100

111 102.6 82.8 124.2

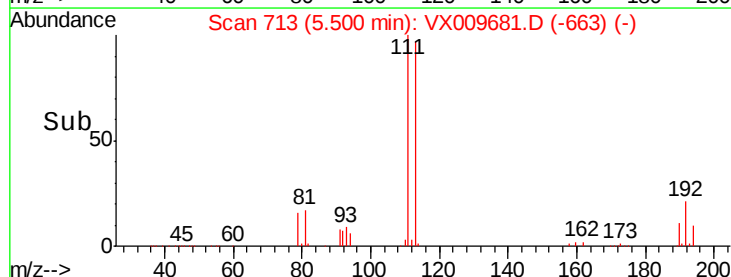
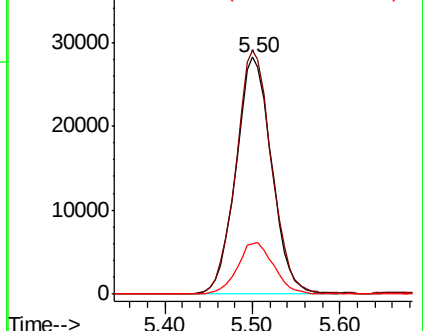
192 22.1 17.0 25.6

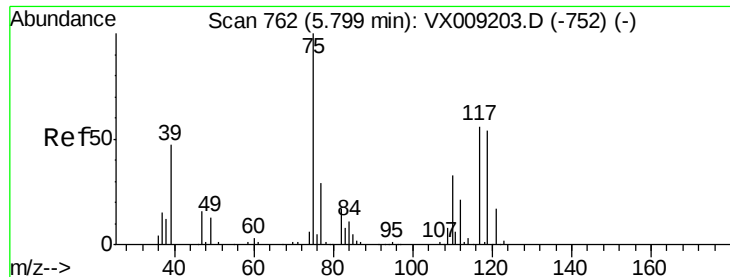


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

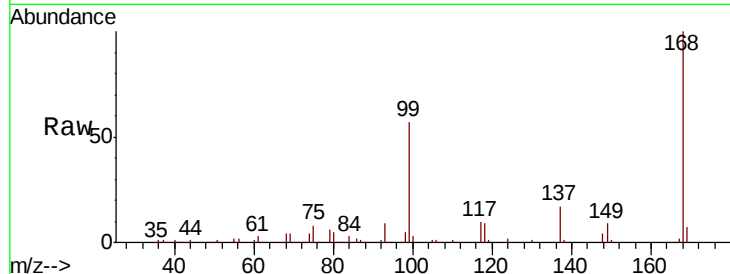




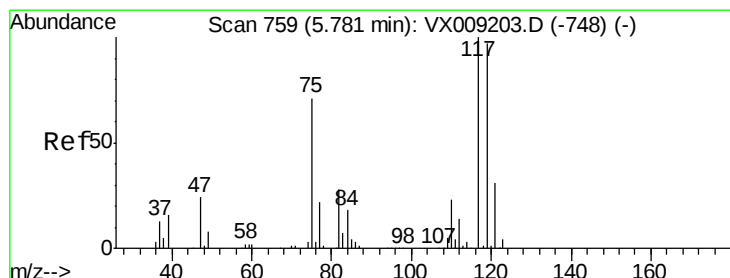
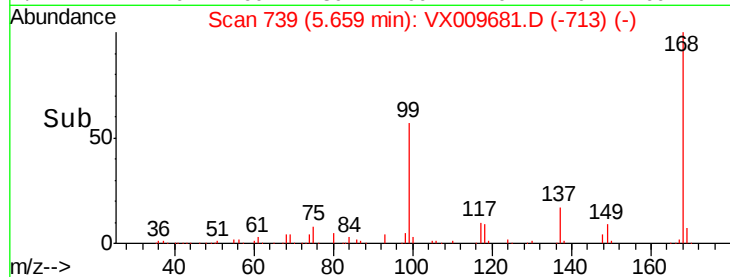
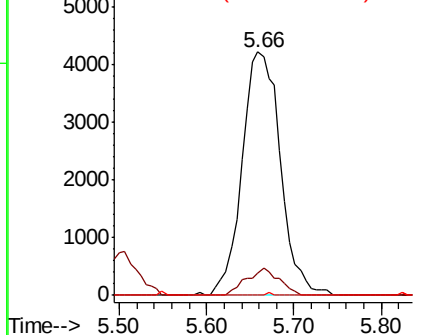
#36
 1,1-Dichloropropene
 Concen: 5.329 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009681.D
 Acq: 17 May 2019 22:50

Instrument :
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Tot Ion: 75 Resp: 12860
 Ion Ratio Lower Upper
 75 100
 110 9.6 16.9 50.6#
 77 0.2 24.8 37.2#

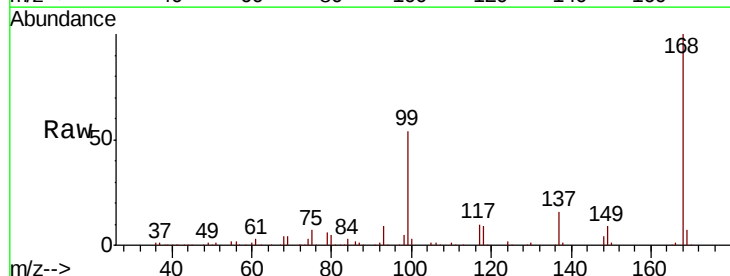


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

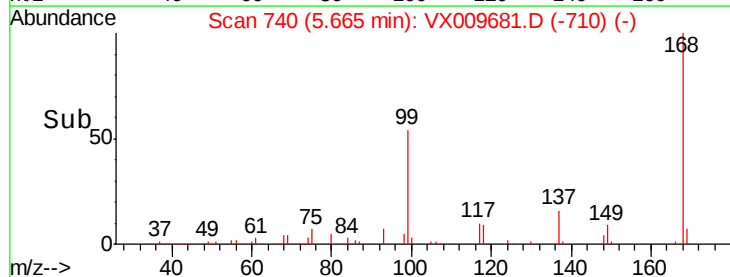
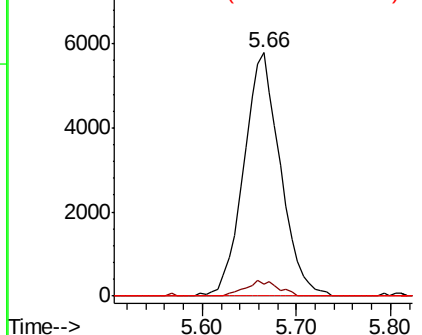


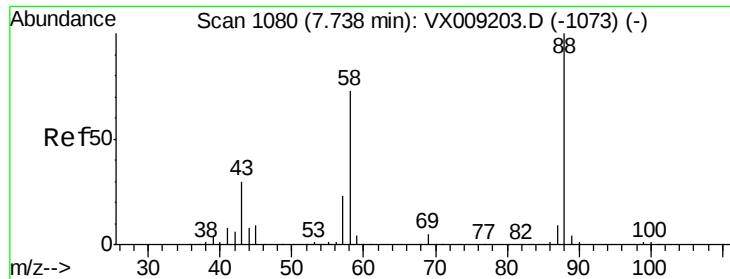
#38
 Carbon Tetrachloride
 Concen: 7.150 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX009681.D
 Acq: 17 May 2019 22:50

Tgt Ion:117 Resp: 15677
 Ion Ratio Lower Upper
 117 100
 119 5.0 77.5 116.3#
 121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

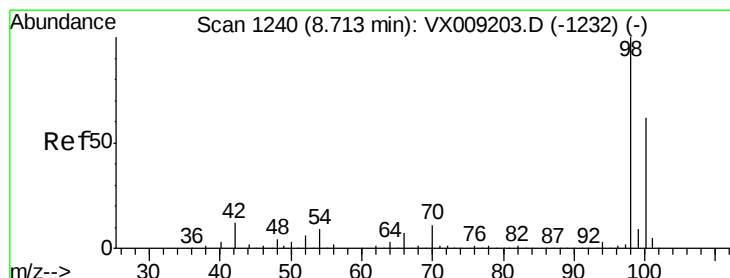
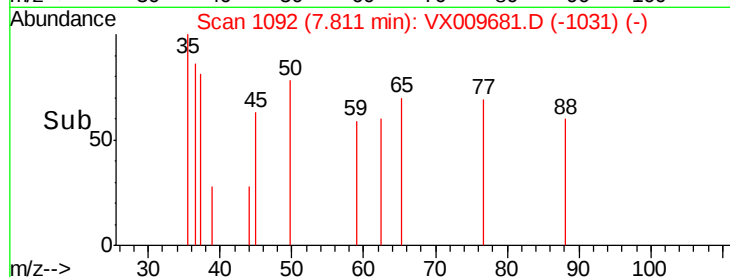
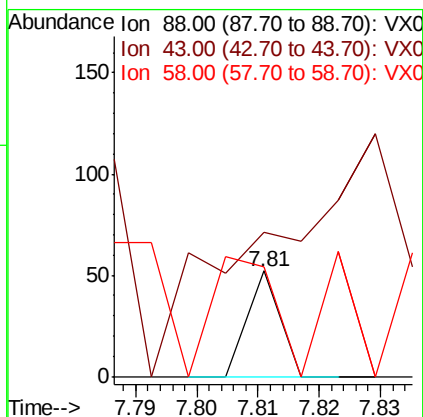
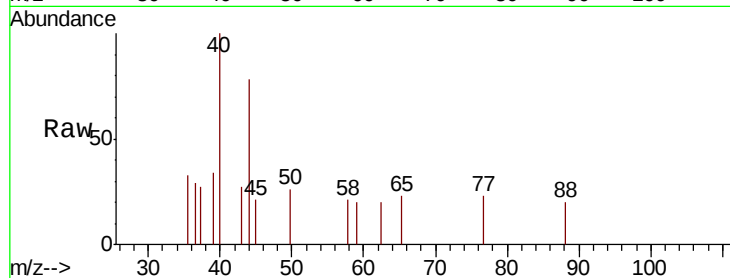




#49
1,4-Dioxane
Concen: 0.351 ug/l
RT: 7.81 min Scan# 1092
Delta R.T. 0.07 min
Lab File: VX009681.D
Acq: 17 May 2019 22:50

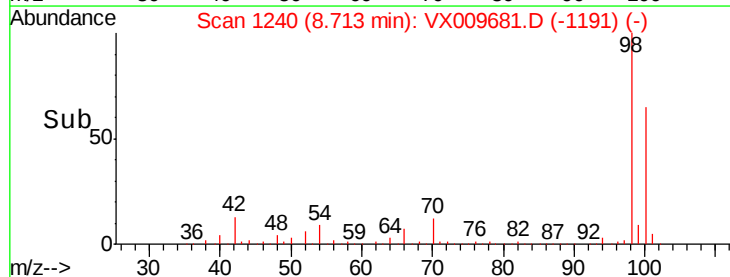
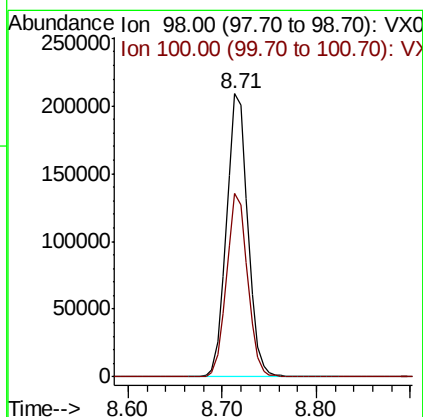
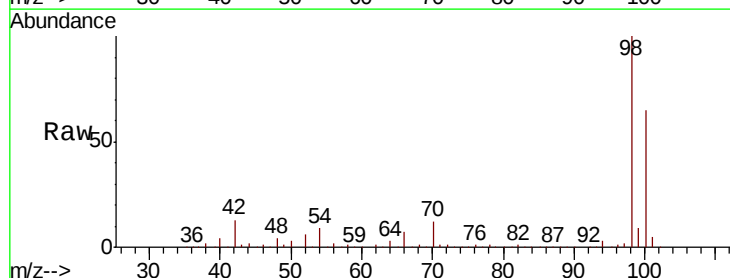
Instrument :
MSVOA_X
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BP-VPB202-GW-618-620

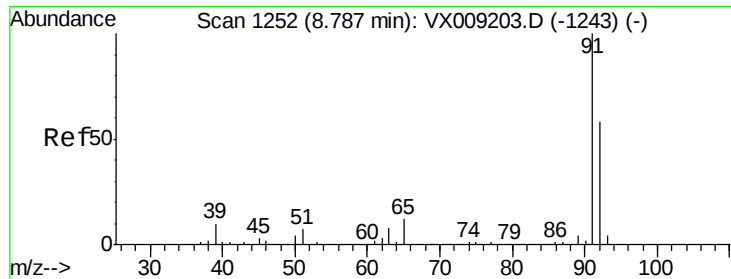
Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 28.6 42.8#
58 215.8 61.7 92.5#



#50
Toluene-d8
Concen: 49.801 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009681.D
Acq: 17 May 2019 22:50

Tgt Ion: 98 Resp: 328216
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8





#52

Toluene

Concen: 4.093 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009681.D

Acq: 17 May 2019 22:50

Instrument :

MSVOA_X

ClientSampleId :

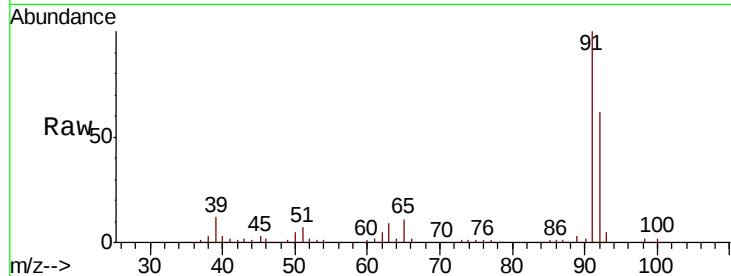
BP-VPB202-GW-618-620

Tot Ion: 92 Resp: 18582

Ion Ratio Lower Upper

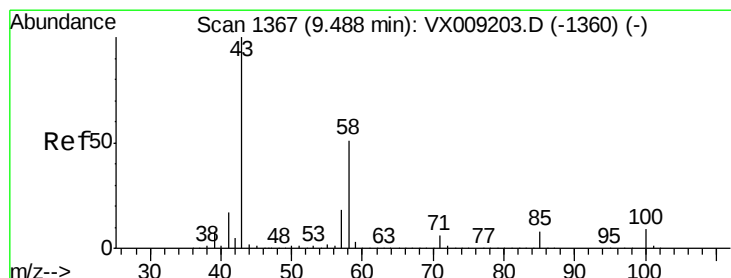
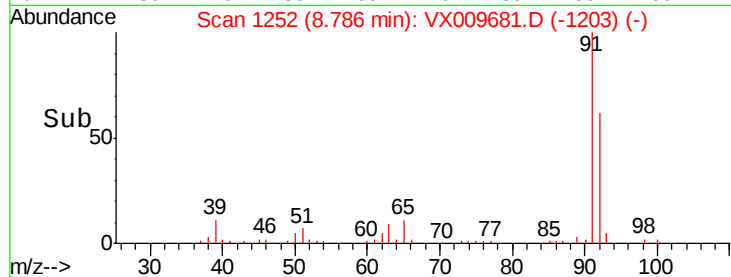
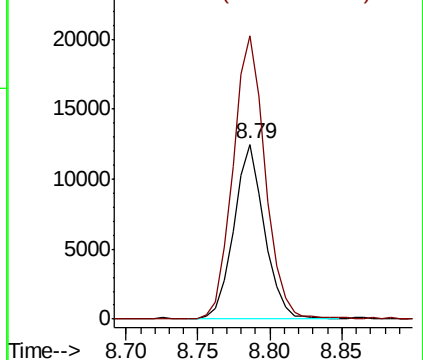
92 100

91 170.4 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#59

2-Hexanone

Concen: 0.271 ug/l

RT: 9.51 min Scan# 1370

Delta R.T. 0.02 min

Lab File: VX009681.D

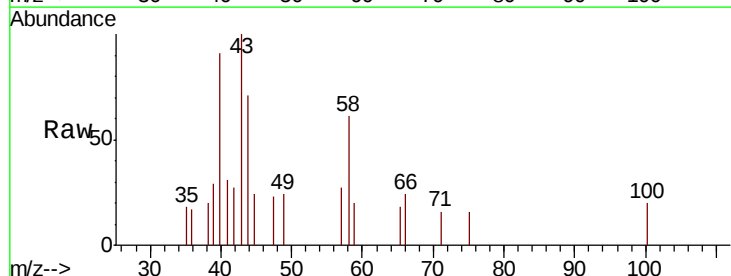
Acq: 17 May 2019 22:50

Tgt Ion: 43 Resp: 748

Ion Ratio Lower Upper

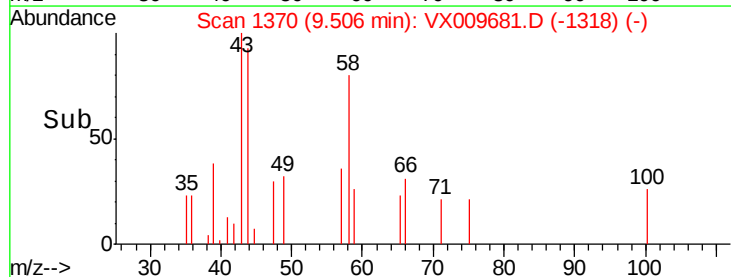
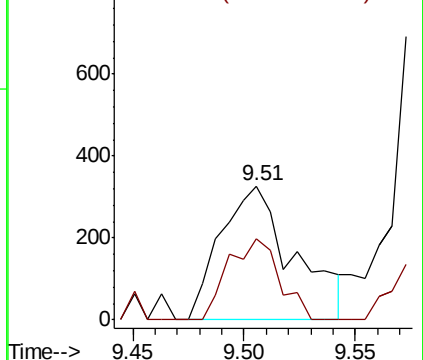
43 100

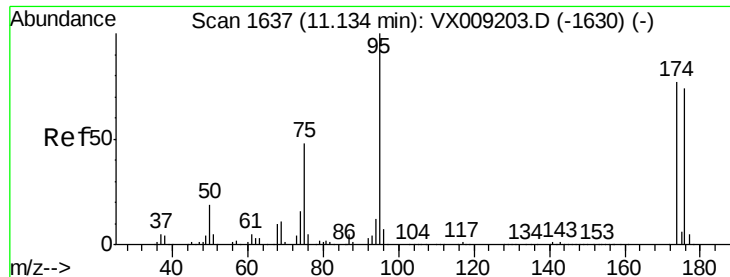
58 42.1 25.9 77.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 42.720 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009681.D

Acq: 17 May 2019 22:50

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-618-620

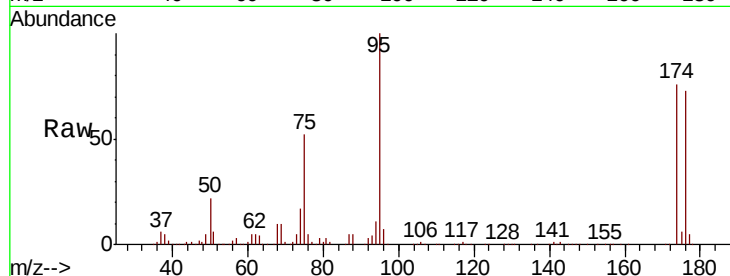
Tot Ion: 95 Resp: 102304

Ion Ratio Lower Upper

95 100

174 81.8 0.0 161.6

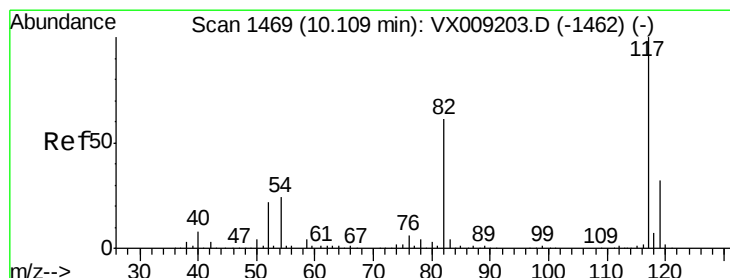
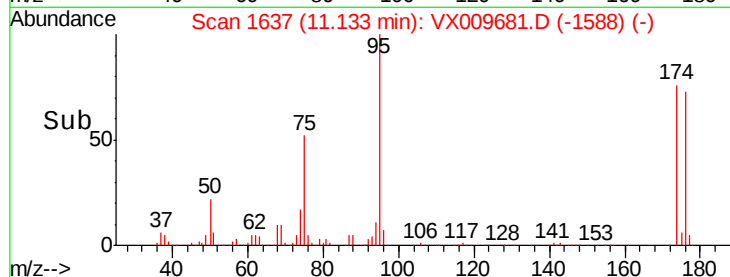
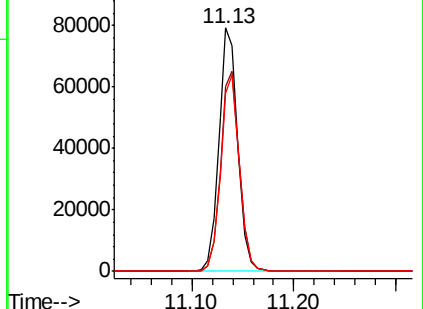
176 79.9 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009203.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX009203.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX009203.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX009681.D

Acq: 17 May 2019 22:50

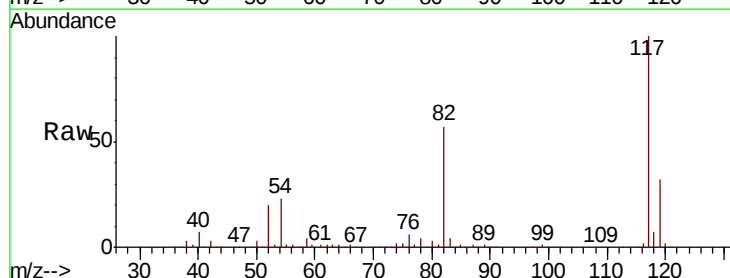
Tgt Ion: 117 Resp: 225636

Ion Ratio Lower Upper

117 100

82 57.3 48.8 73.2

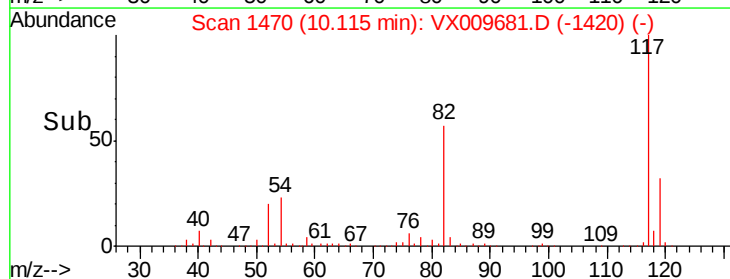
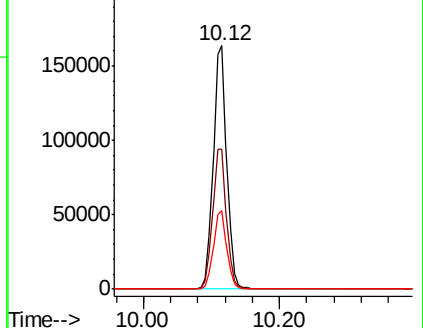
119 32.3 25.8 38.6

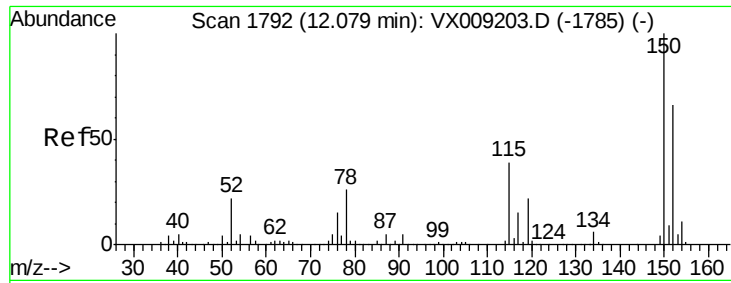


Abundance Ion 116.90 (116.60 to 117.60): VX009203.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX009203.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX009203.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009681.D

Acq: 17 May 2019 22:50

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-618-620

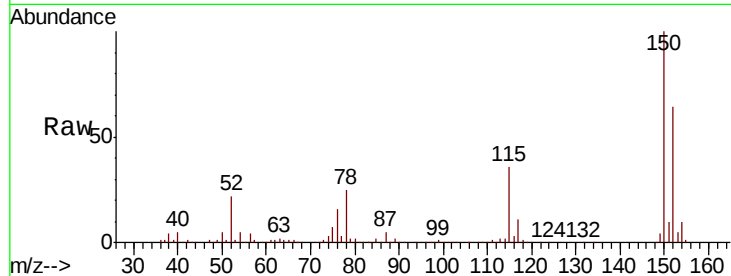
Tot Ion:152 Resp: 87233

Ion Ratio Lower Upper

152 100

115 58.0 41.2 123.6

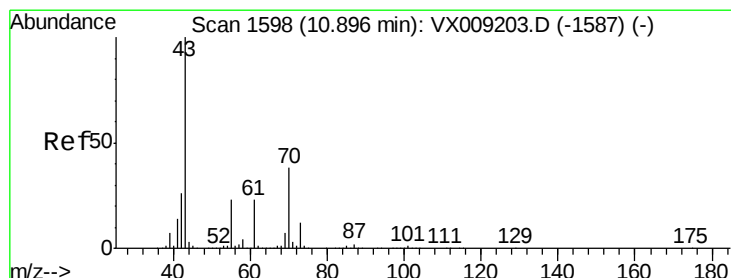
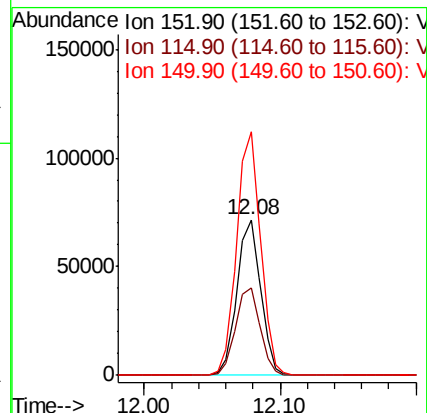
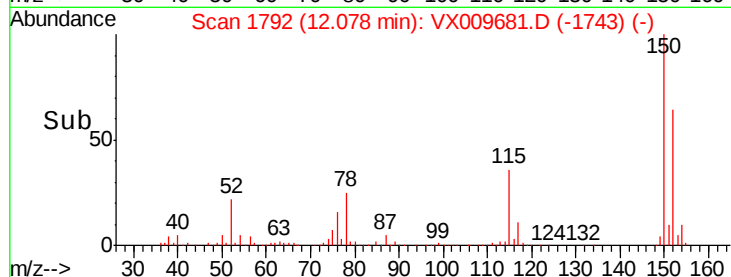
150 157.1 0.0 346.4



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



#74

N-ethyl acetate

Concen: 0.467 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX009681.D

Acq: 17 May 2019 22:50

Tgt Ion: 43 Resp: 1726

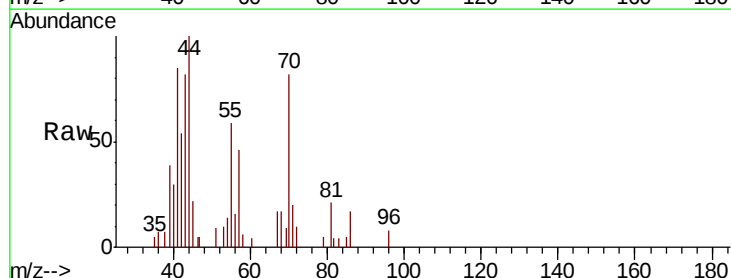
Ion Ratio Lower Upper

43 100

70 82.6 30.0 45.0#

55 83.7 17.9 26.9#

61 0.0 18.4 27.6#

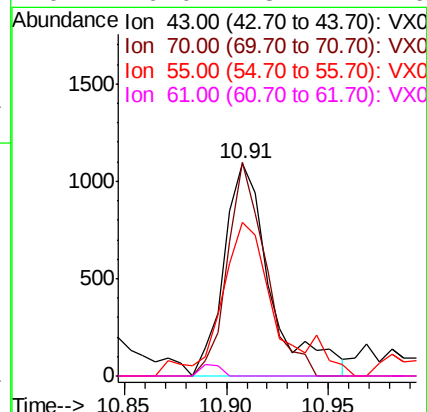
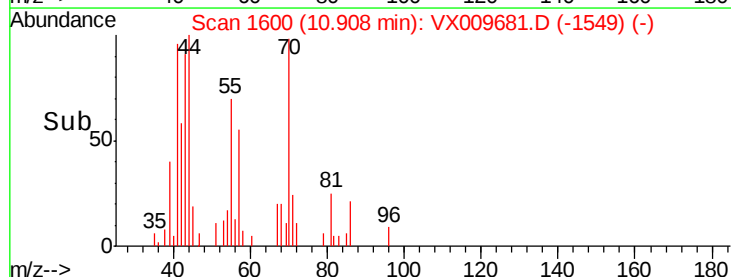


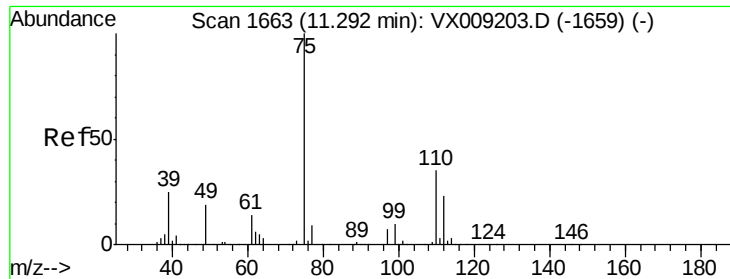
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 26.323 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009681.D

Acq: 17 May 2019 22:50

Instrument :

MSVOA_X

ClientSampleId :

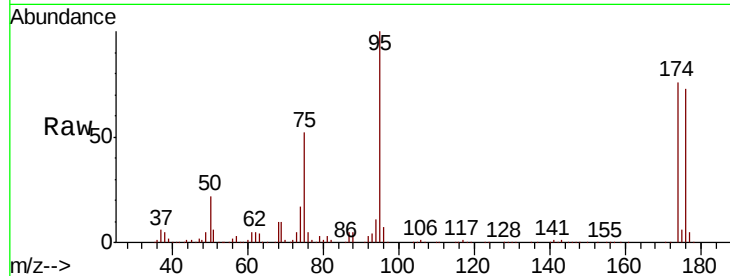
BP-VPB202-GW-618-620

Tot Ion: 75 Resp: 53264

Ion Ratio Lower Upper

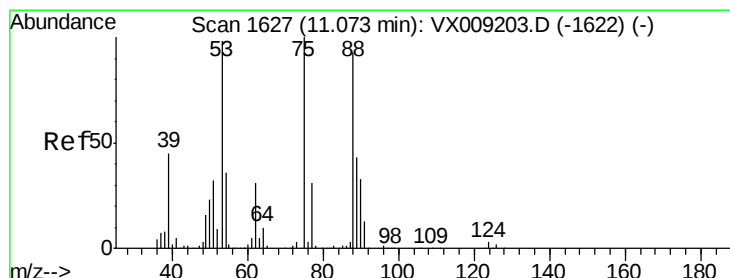
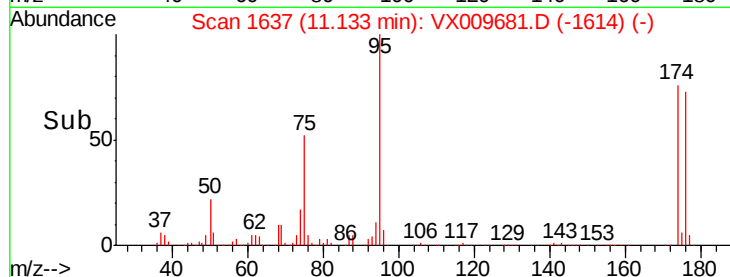
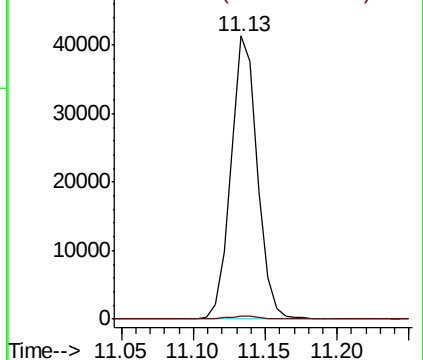
75 100

77 1.3 22.1 66.1#



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: 67.351 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009681.D

Acq: 17 May 2019 22:50

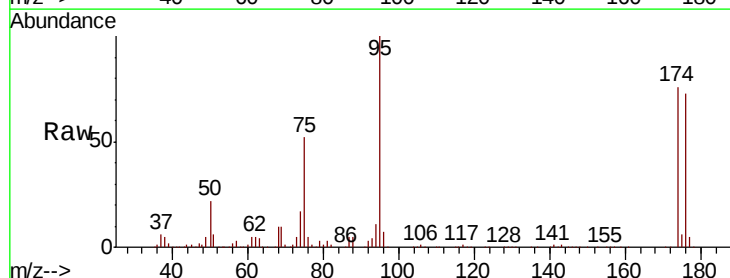
Tgt Ion: 75 Resp: 53264

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#



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

