

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052019\
 Data File : VX009732.D
 Acq On : 20 May 2019 17:37
 Operator : JC/SP
 Sample : K2952-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-678-680

Quant Time: May 21 07:42:23 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	171038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	271896	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	241774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	104871	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	115576	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
35) Dibromofluoromethane	5.50	113	84215	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
50) Toluene-d8	8.71	98	343459	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
62) 4-Bromofluorobenzene	11.13	95	115656	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	

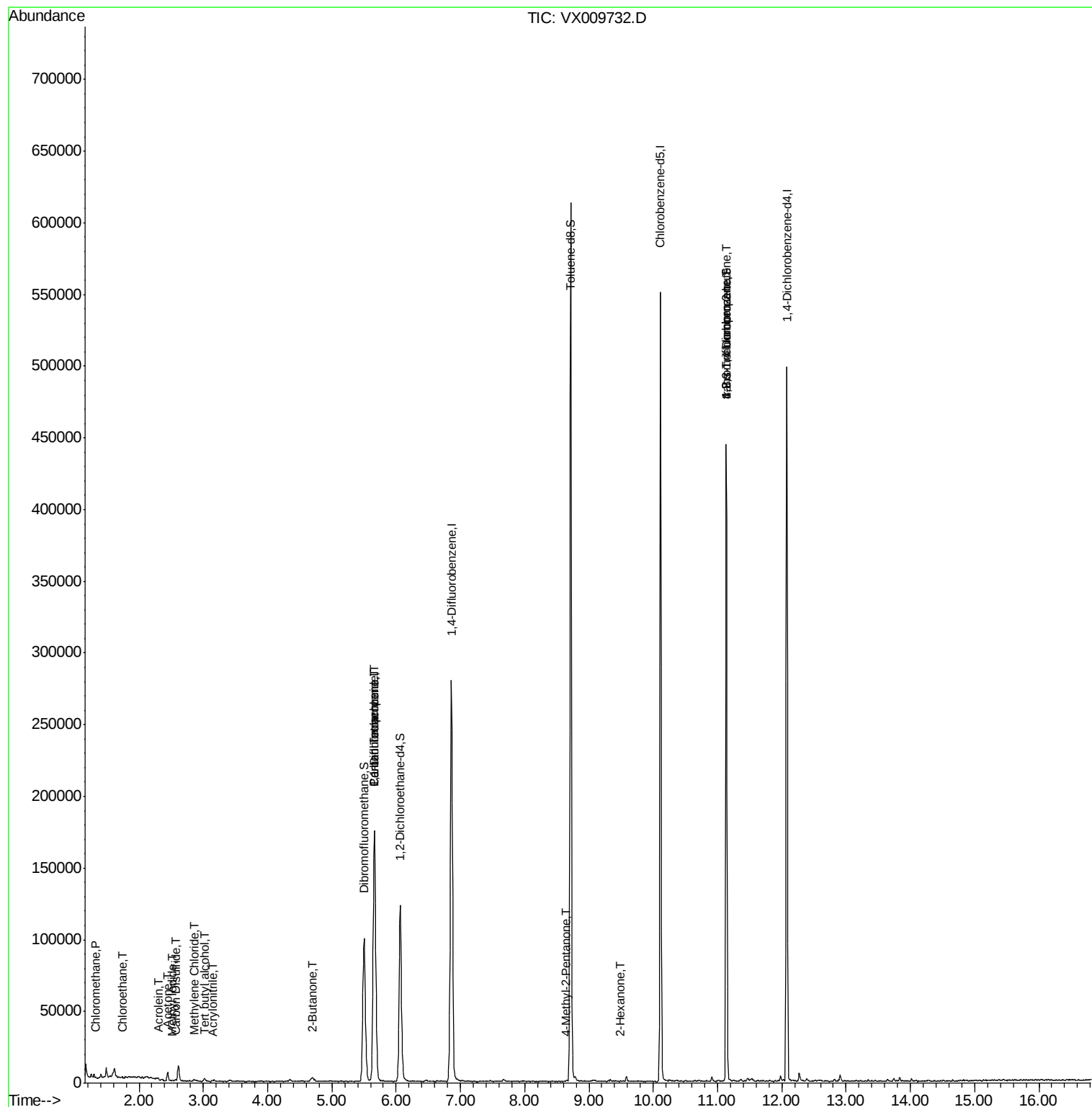
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	553	0.257	ug/l	94
6) Chloroethane	1.73	64	319	0.237	ug/l #	43
10) Methyl Iodide	2.51	142	453	4.815	ug/l #	82
11) Tert butyl alcohol	3.02	59	1223	2.263	ug/l #	83
13) Acrolein	2.29	56	199	0.407	ug/l #	70
15) Acrylonitrile	3.14	53	423	0.320	ug/l	92
16) Acetone	2.45	43	6801	5.425	ug/l	90
17) Carbon Disulfide	2.57	76	1201	0.267	ug/l	98
20) Methylene Chloride	2.85	84	413	0.203	ug/l #	87
25) 2-Butanone	4.70	43	1699	0.872	ug/l	96
28) Bromochloromethane	5.03	49	177	Below Cal	#	20
36) 1,1-Dichloropropene	5.67	75	13358	5.287	ug/l #	49
38) Carbon Tetrachloride	5.66	117	16228	7.069	ug/l #	16
51) 4-Methyl-2-Pentanone	8.64	43	784	0.213	ug/l #	78
59) 2-Hexanone	9.50	43	636	0.220	ug/l	82
76) 1,2,3-Trichloropropane	11.13	75	59355	24.400	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	59355	62.430	ug/l #	10

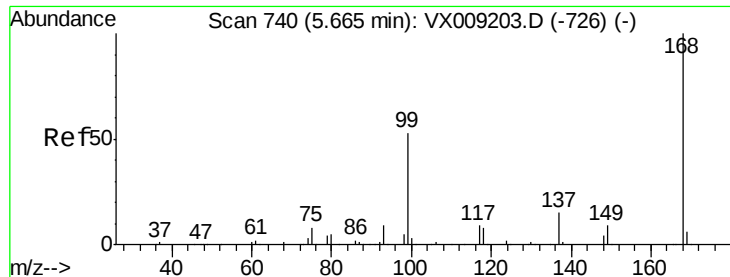
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009732.D

Acq: 20 May 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

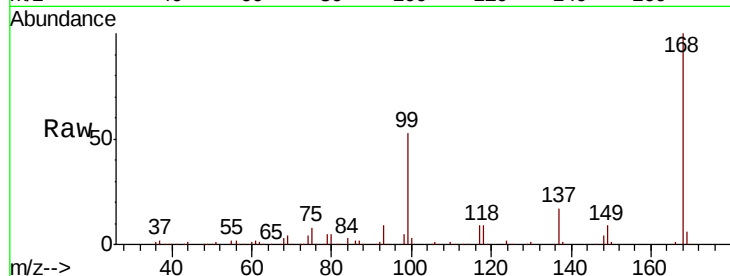
BP-VPB202-GW-678-680

Tot Ion:168 Resp: 171038

Ion Ratio Lower Upper

168 100

99 53.0 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

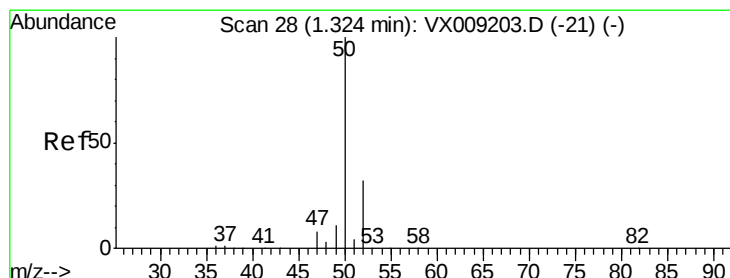
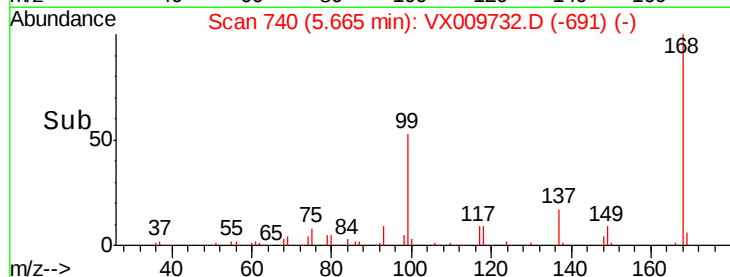
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.257 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009732.D

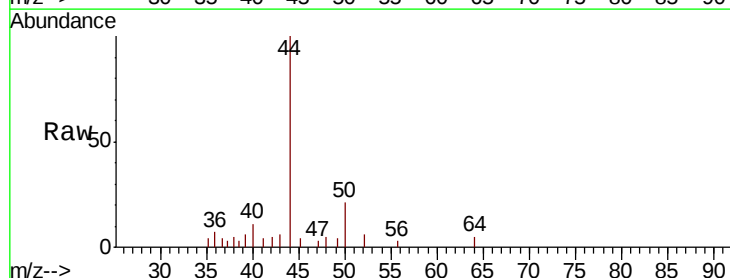
Acq: 20 May 2019 17:37

Tgt Ion: 50 Resp: 553

Ion Ratio Lower Upper

50 100

52 29.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

500

400

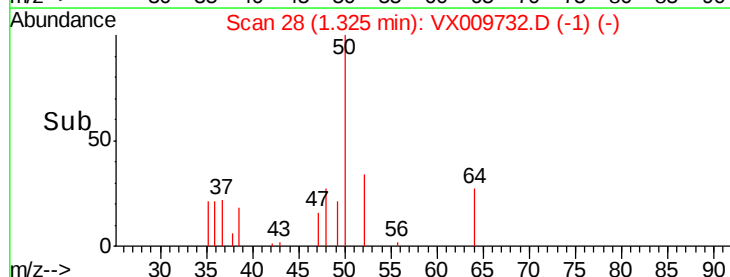
300

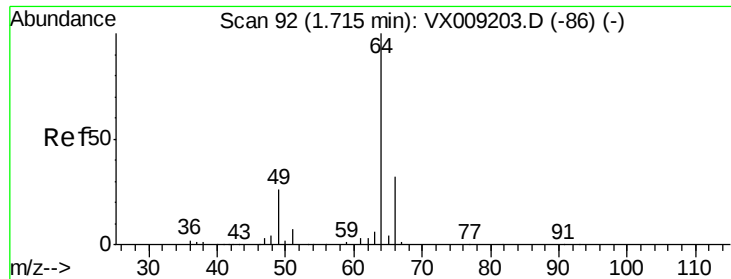
200

100

0

Time--> 1.30 1.35





#6

Chloroethane

Concen: 0.237 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX009732.D

Acq: 20 May 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

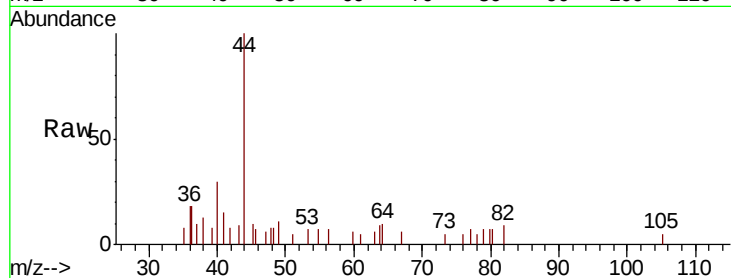
BP-VPB202-GW-678-680

Tot Ion: 64 Resp: 319

Ion Ratio Lower Upper

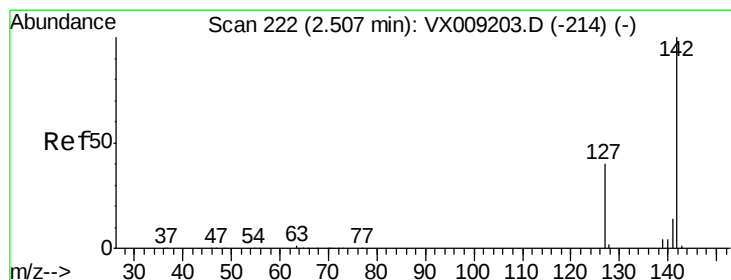
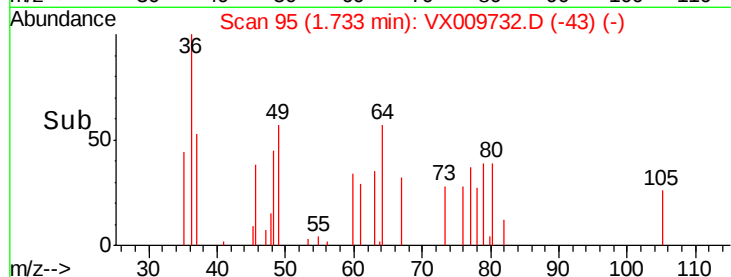
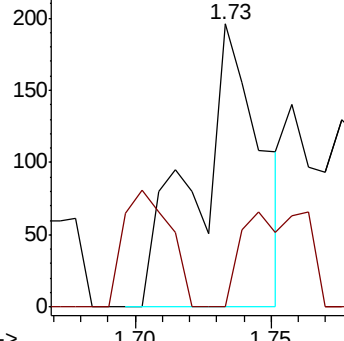
64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.815 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009732.D

Acq: 20 May 2019 17:37

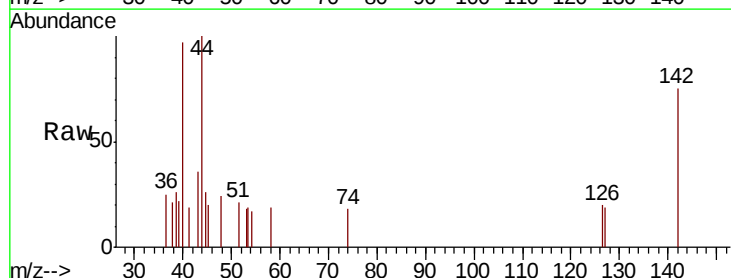
Tgt Ion:142 Resp: 453

Ion Ratio Lower Upper

142 100

127 33.1 32.7 49.1

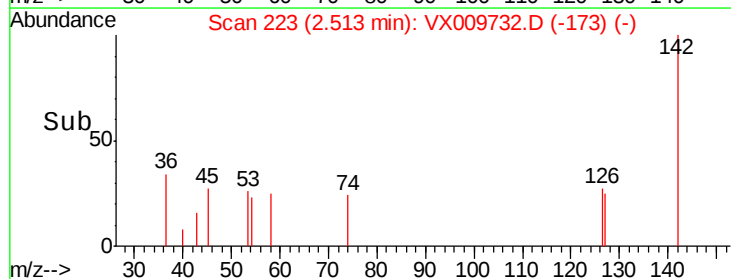
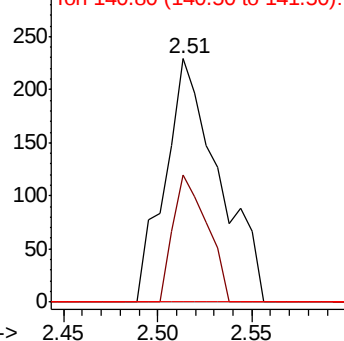
141 0.0 11.5 17.3#

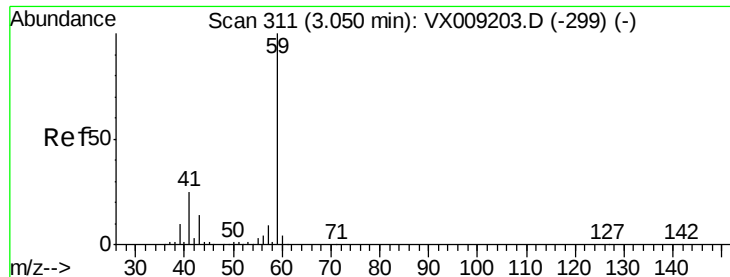


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

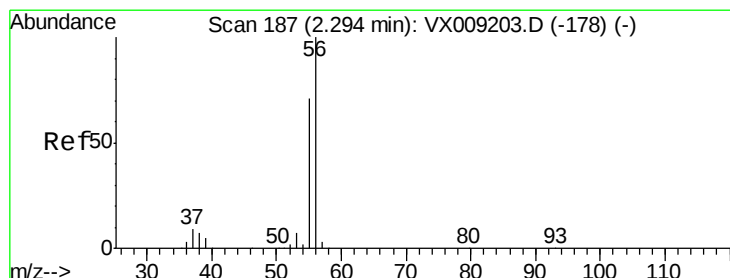
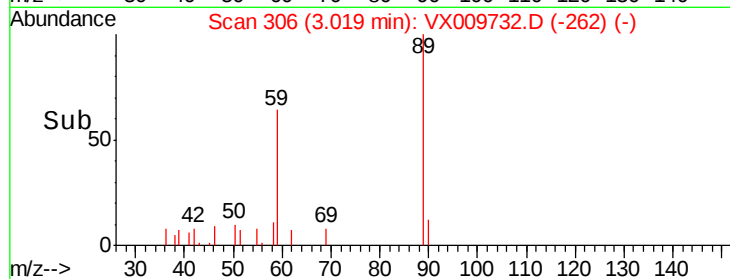
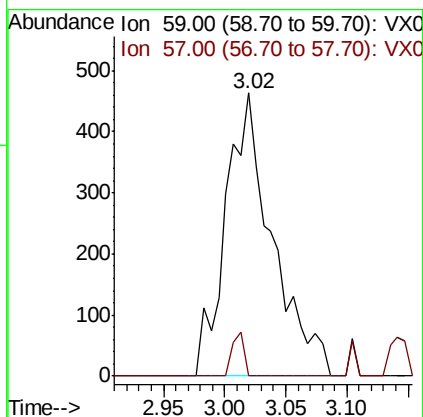
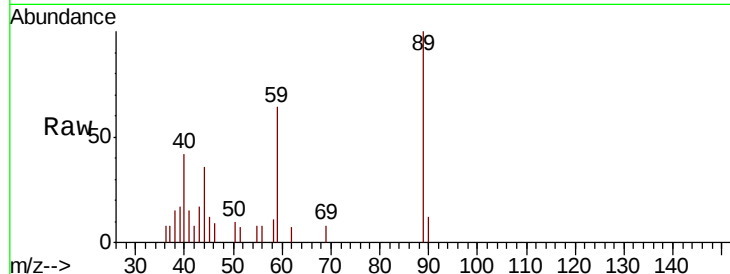




#11
Tert butyl alcohol
Concen: 2.263 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009732.D
Acq: 20 May 2019 17:37

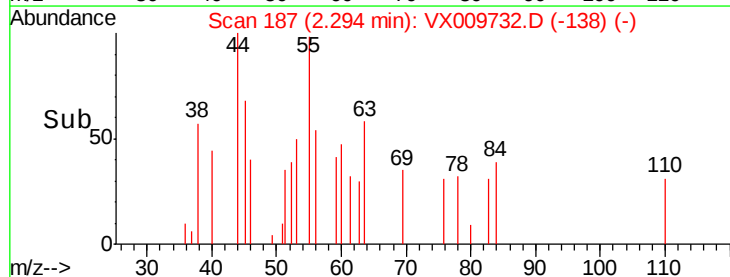
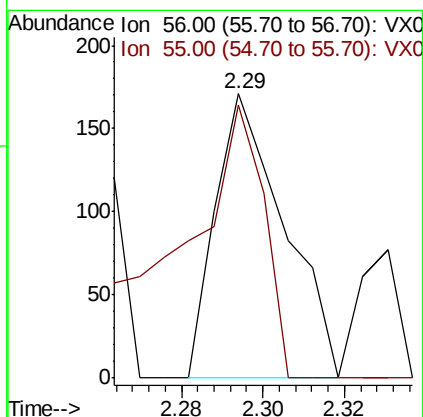
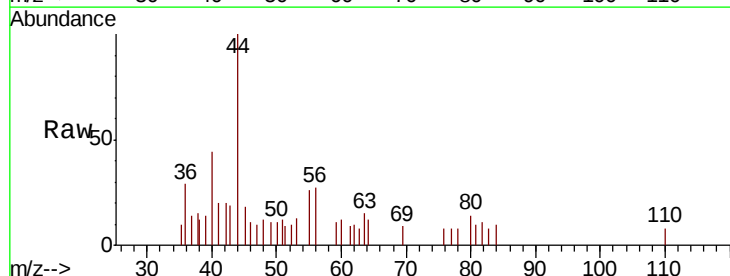
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-678-680

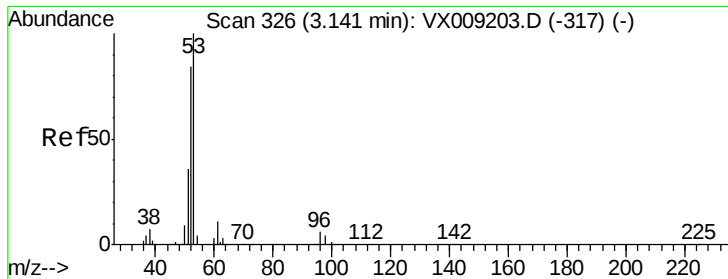
Tot Ion: 59 Resp: 1223
Ion Ratio Lower Upper
59 100
57 3.8 8.2 12.2#



#13
Acrolein
Concen: 0.407 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009732.D
Acq: 20 May 2019 17:37

Tgt Ion: 56 Resp: 199
Ion Ratio Lower Upper
56 100
55 95.5 56.6 85.0#





#15

Acrylonitrile

Concen: 0.320 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX009732.D

Acq: 20 May 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-678-680

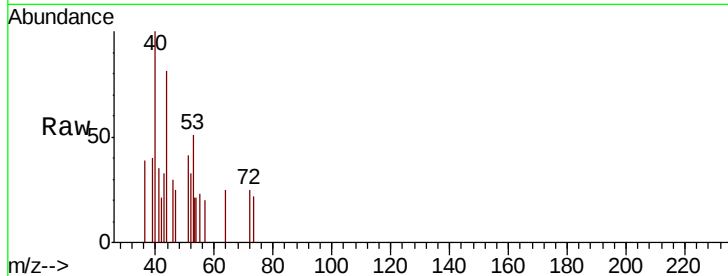
Tot Ion: 53 Resp: 423

Ion Ratio Lower Upper

53 100

52 91.3 66.9 100.3

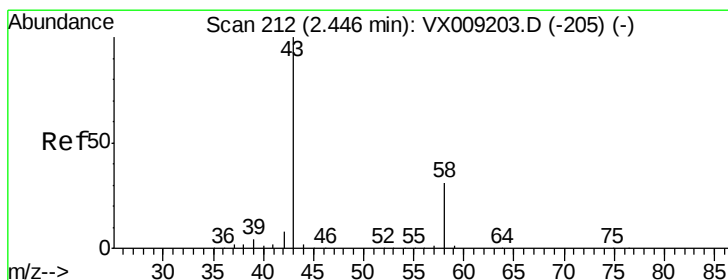
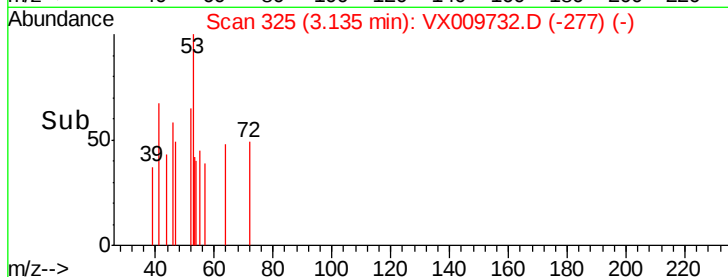
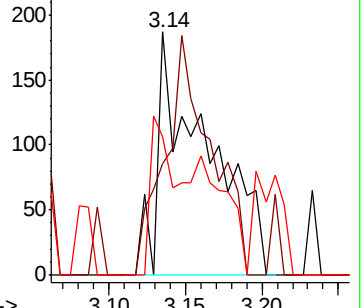
51 31.7 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 5.425 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009732.D

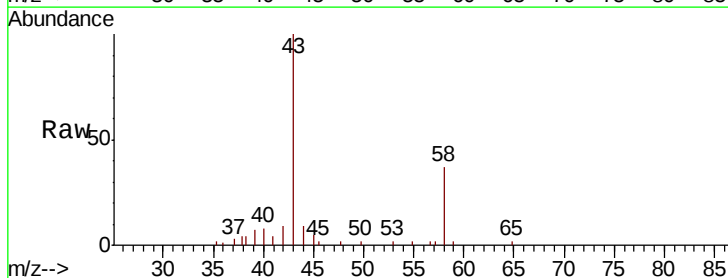
Acq: 20 May 2019 17:37

Tgt Ion: 43 Resp: 6801

Ion Ratio Lower Upper

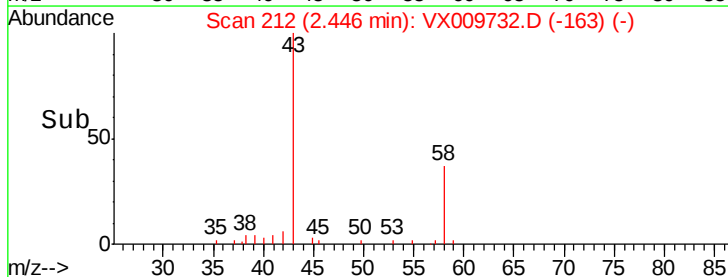
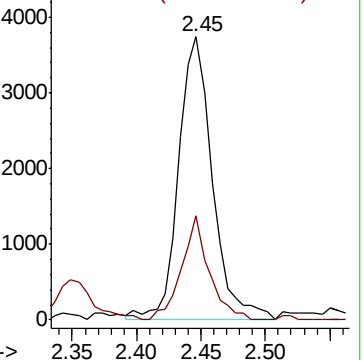
43 100

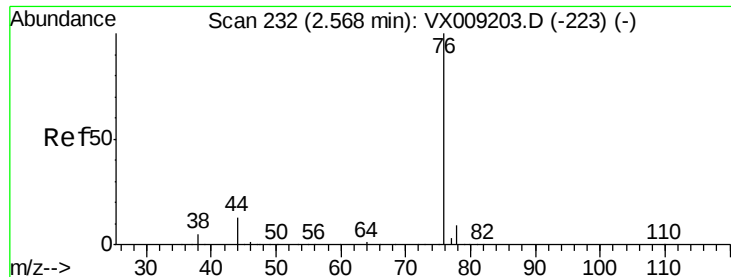
58 36.8 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.267 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009732.D

Acq: 20 May 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

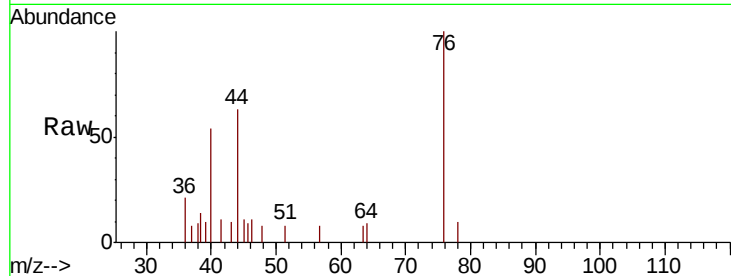
BP-VPB202-GW-678-680

Tot Ion: 76 Resp: 1201

Ion Ratio Lower Upper

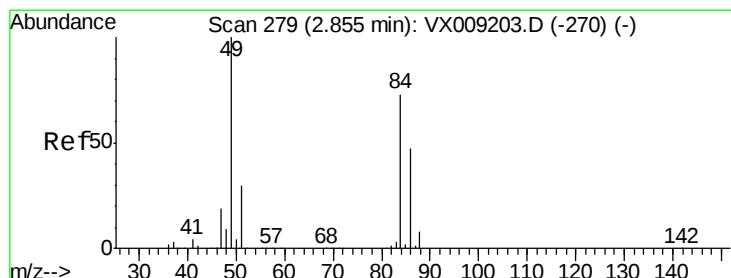
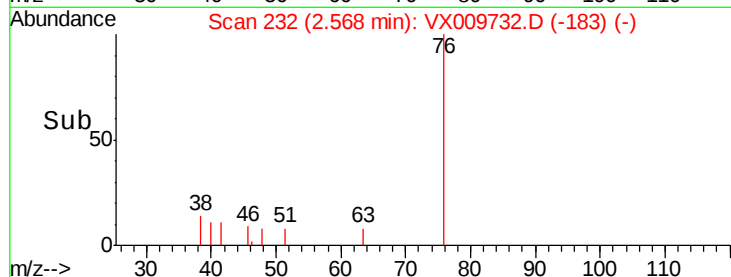
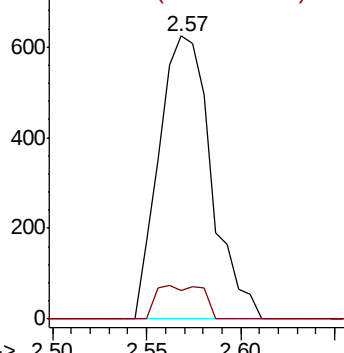
76 100

78 9.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.203 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX009732.D

Acq: 20 May 2019 17:37

Tgt Ion: 84 Resp: 413

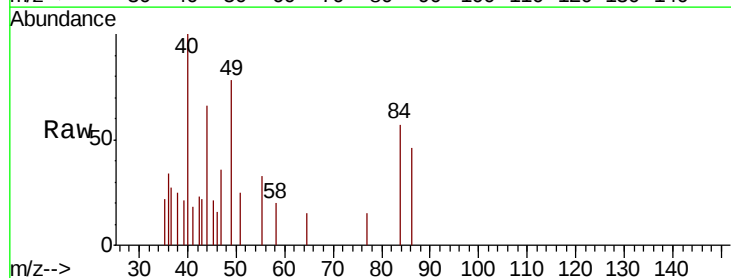
Ion Ratio Lower Upper

84 100

49 137.0 109.9 164.9

51 13.0 32.7 49.1#

86 80.5 52.0 78.0#

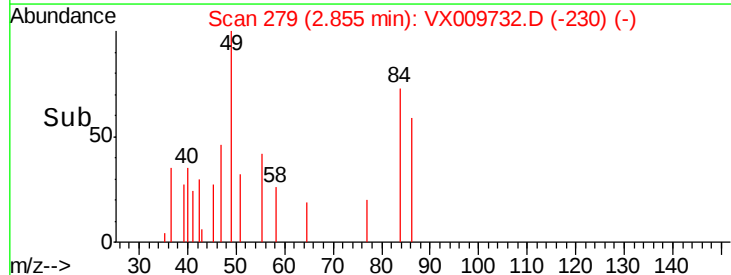
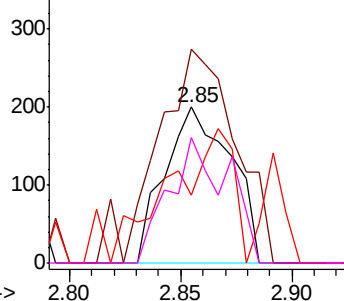


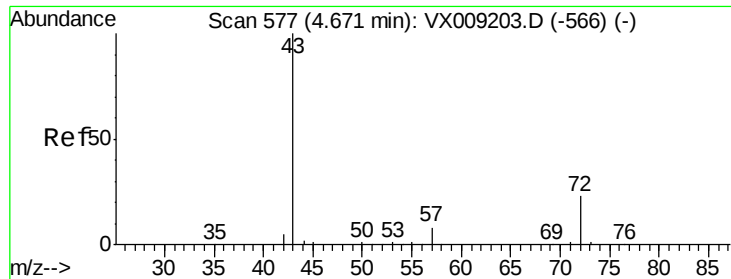
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

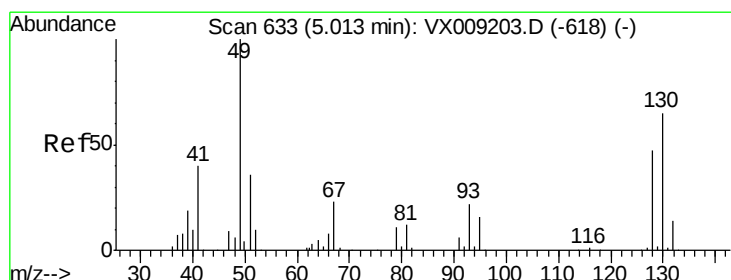
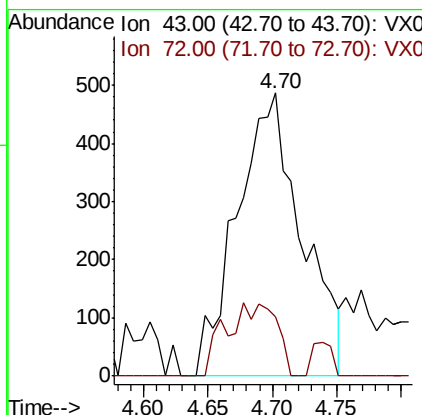
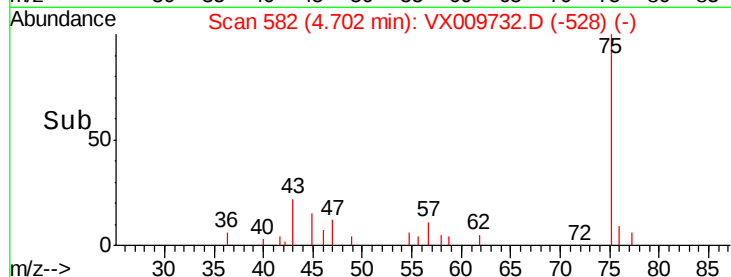
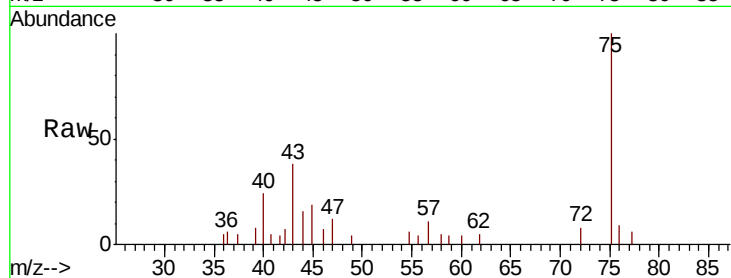




#25
2-Butanone
Concen: 0.872 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.03 min
Lab File: VX009732.D
Acq: 20 May 2019 17:37

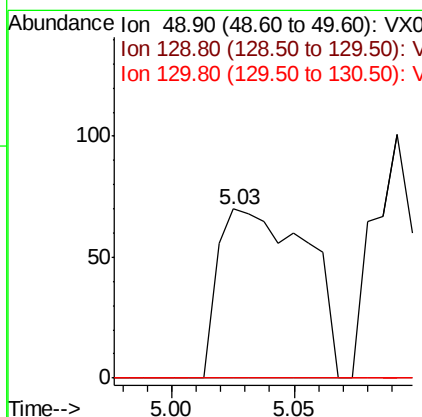
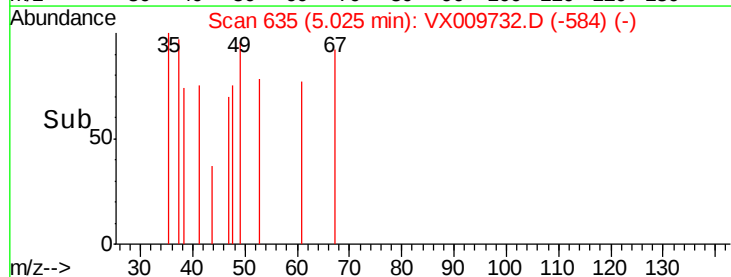
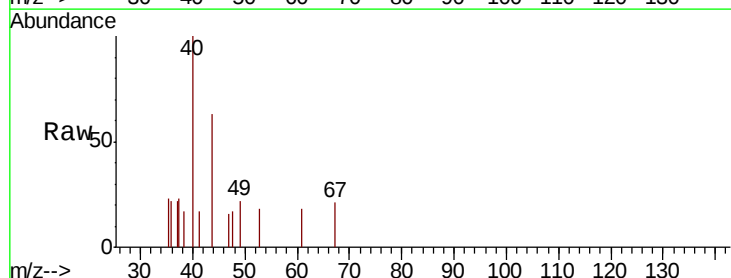
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-678-680

Tot Ion: 43 Resp: 1699
Ion Ratio Lower Upper
43 100
72 20.7 18.2 27.2



#28
Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX009732.D
Acq: 20 May 2019 17:37

Tgt Ion: 49 Resp: 177
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#

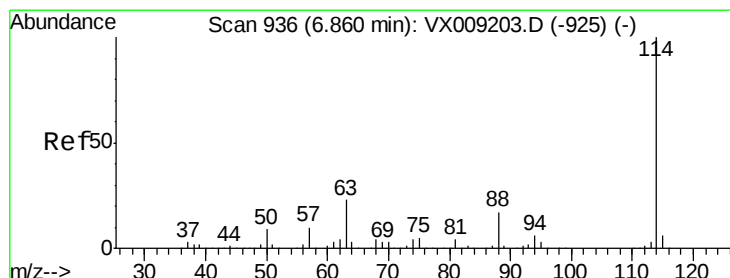
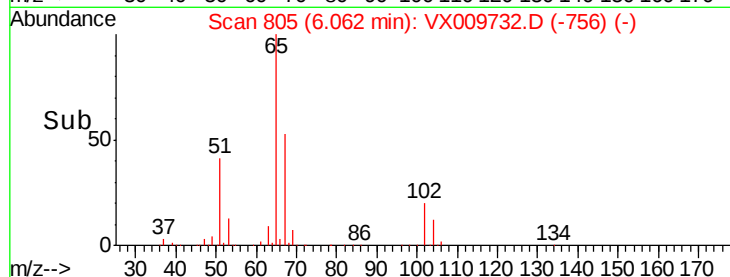
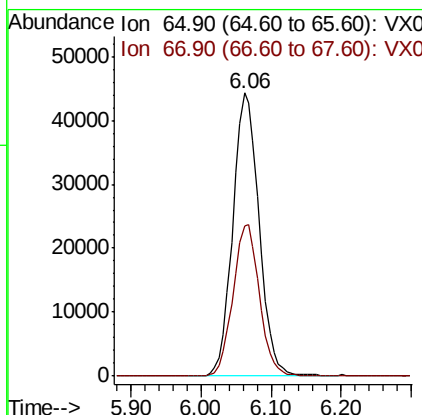
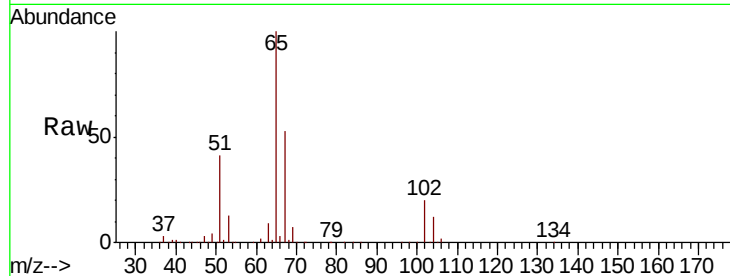




#33
 1,2-Dichloroethane-d4
 Concen: 49.500 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009732.D
 Acq: 20 May 2019 17:37

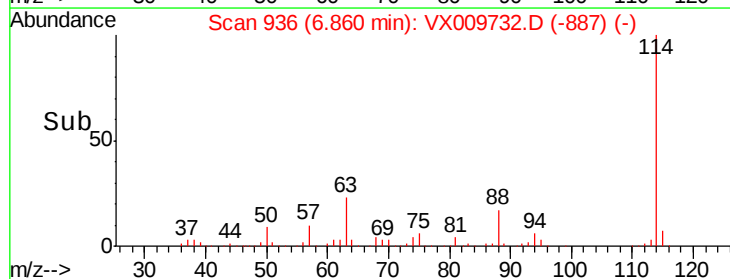
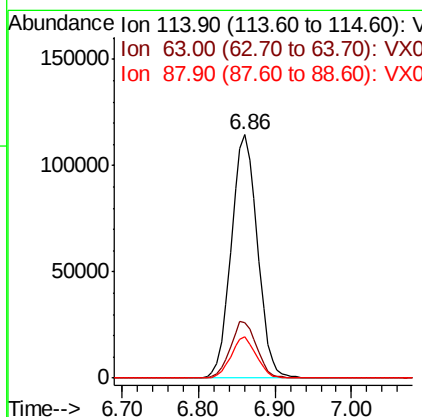
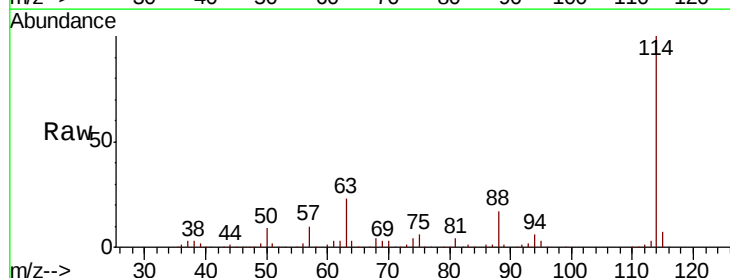
Instrument :
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 ClientSampleId :
 BP-VPB202-GW-678-680

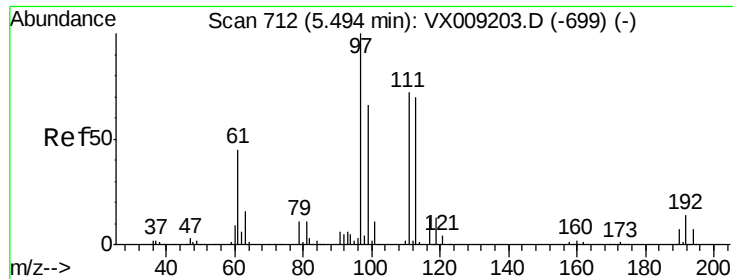
Tot Ion: 65 Resp: 115576
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009732.D
 Acq: 20 May 2019 17:37

Tgt Ion: 114 Resp: 271896
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.6
 88 17.3 0.0 33.2

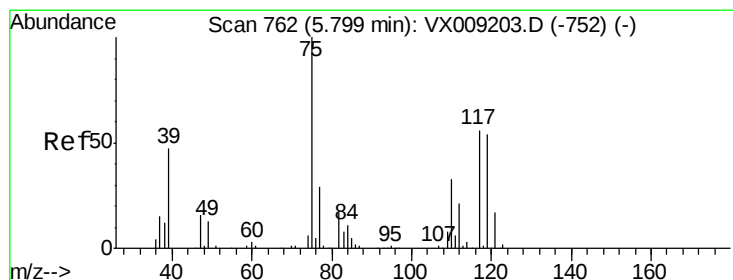
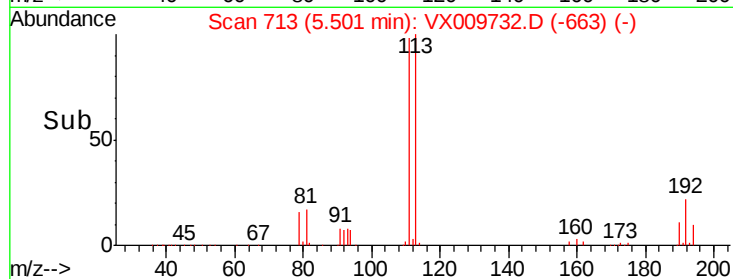
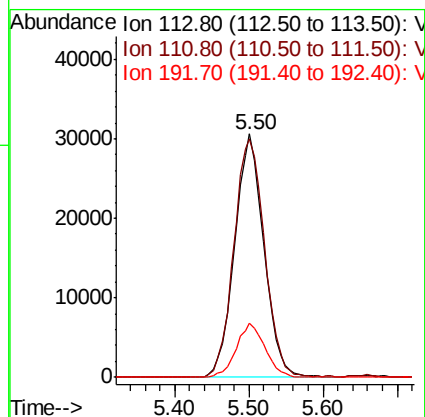
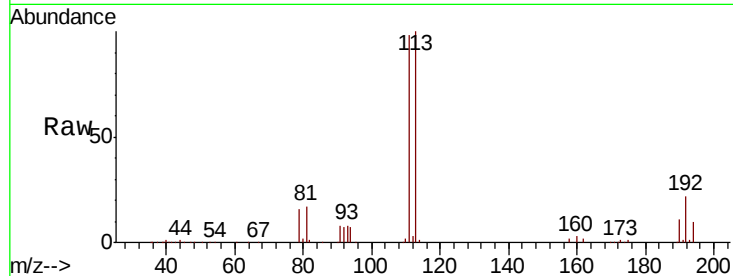




#35
 Dibromofluoromethane
 Concen: 49.270 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009732.D
 Acq: 20 May 2019 17:37

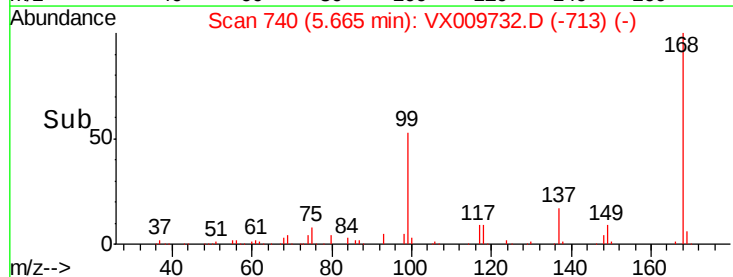
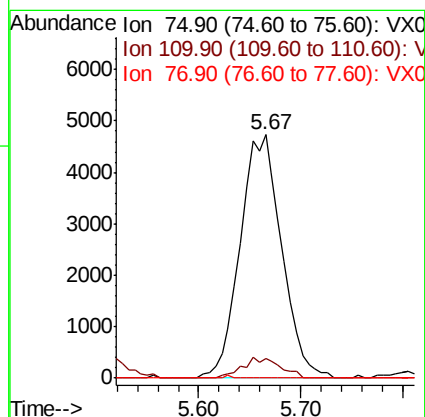
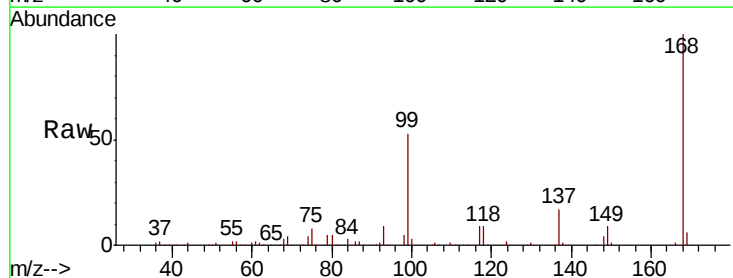
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-678-680

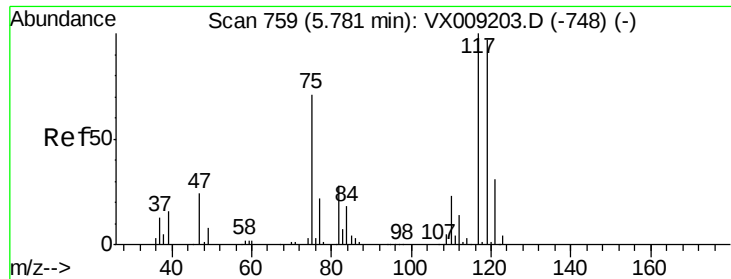
Tot Ion:113 Resp: 84215
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.8 124.2
 192 21.7 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.287 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009732.D
 Acq: 20 May 2019 17:37

Tgt Ion: 75 Resp: 13358
 Ion Ratio Lower Upper
 75 100
 110 7.7 16.9 50.6#
 77 0.0 24.8 37.2#

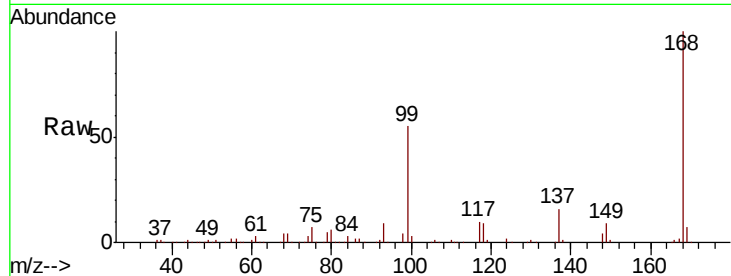




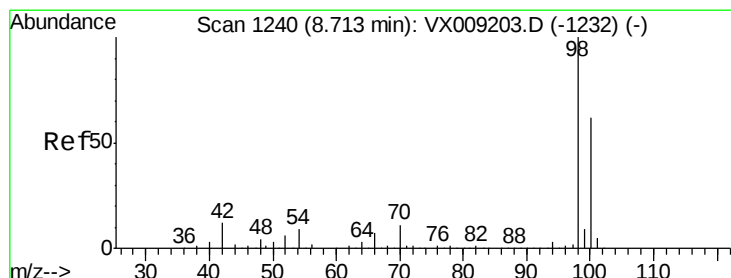
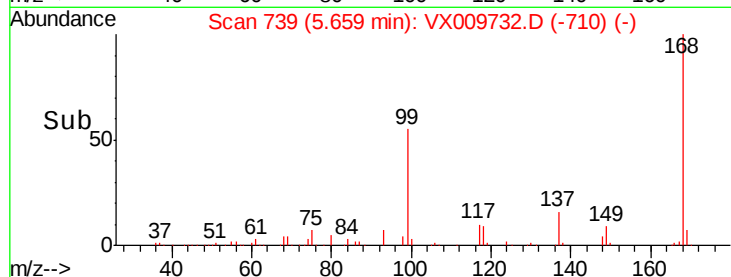
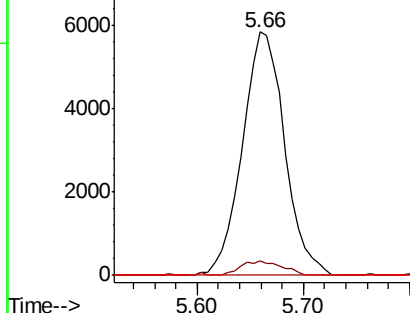
#38
Carbon Tetrachloride
Concen: 7.069 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009732.D
Acq: 20 May 2019 17:37

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-678-680

Tot Ion:117 Resp: 16228
Ion Ratio Lower Upper
117 100
119 5.7 77.5 116.3#
121 0.0 24.7 37.1#

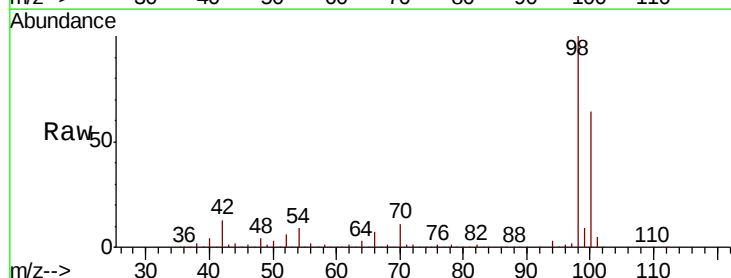


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

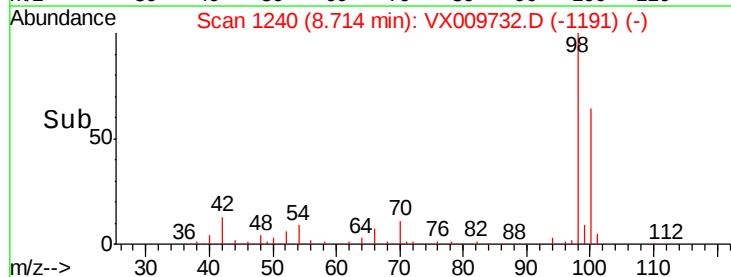
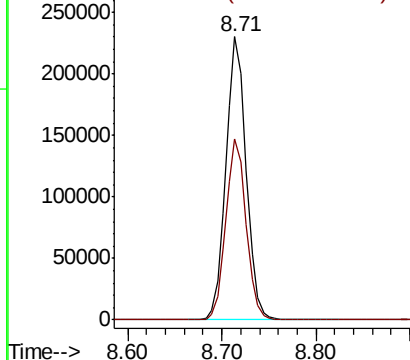


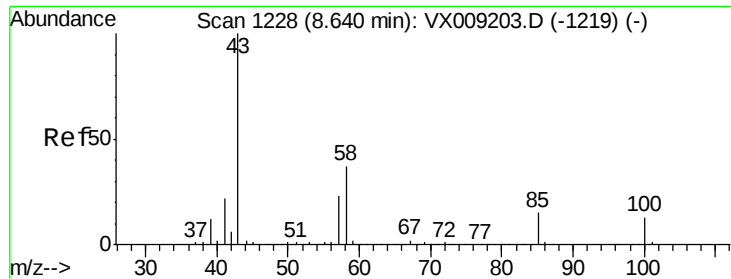
#50
Toluene-d8
Concen: 49.772 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009732.D
Acq: 20 May 2019 17:37

Tgt Ion: 98 Resp: 343459
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 0.213 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009732.D

Acq: 20 May 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

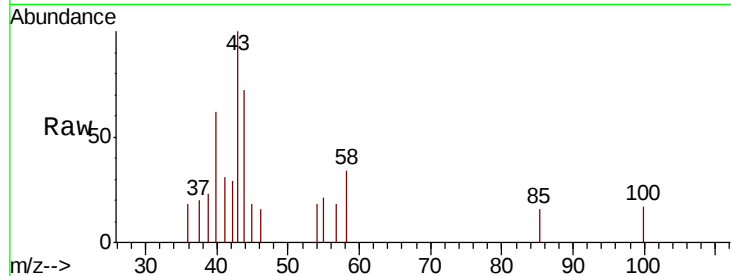
BP-VPB202-GW-678-680

Tot Ion: 43 Resp: 784

Ion Ratio Lower Upper

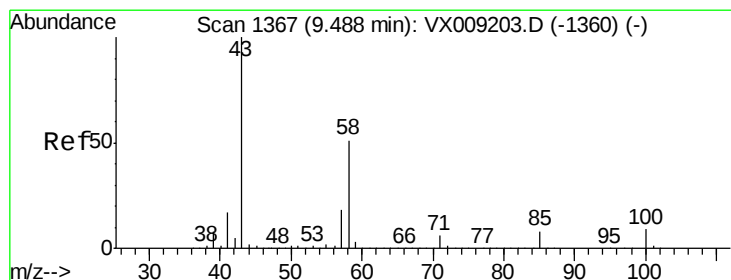
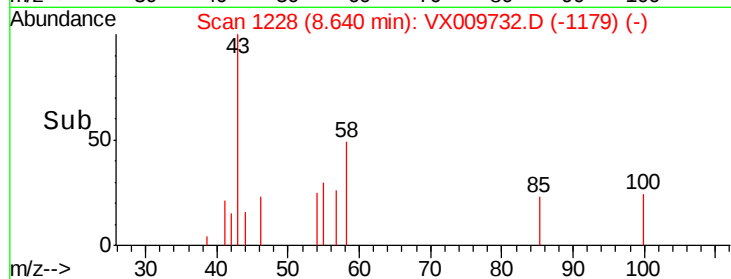
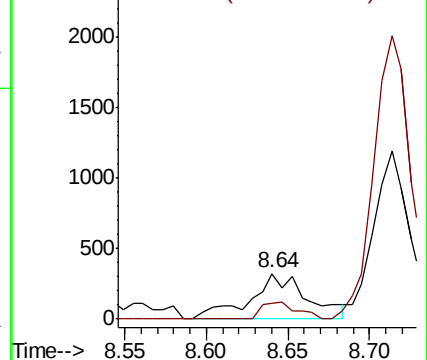
43 100

58 23.7 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#59

2-Hexanone

Concen: 0.220 ug/l

RT: 9.50 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VX009732.D

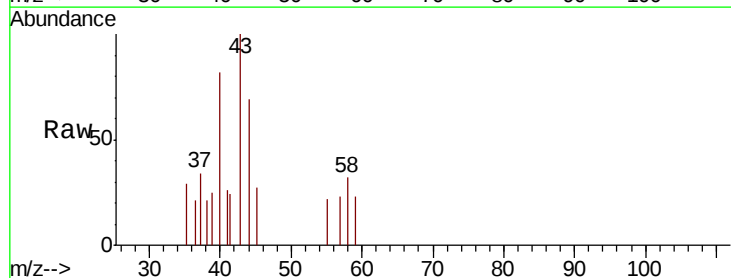
Acq: 20 May 2019 17:37

Tgt Ion: 43 Resp: 636

Ion Ratio Lower Upper

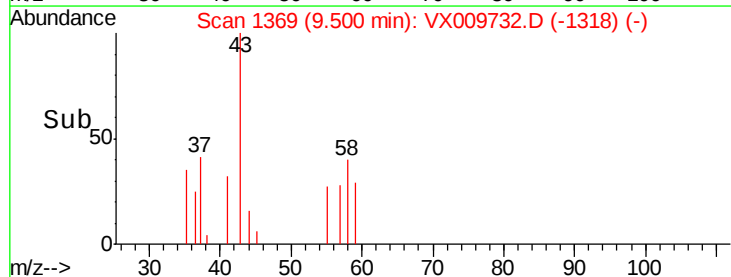
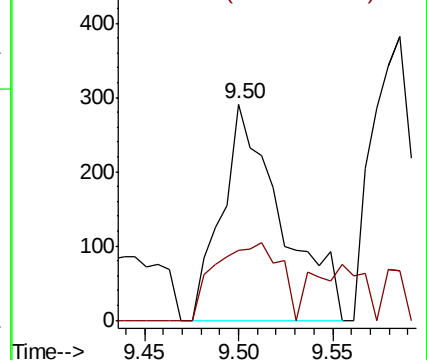
43 100

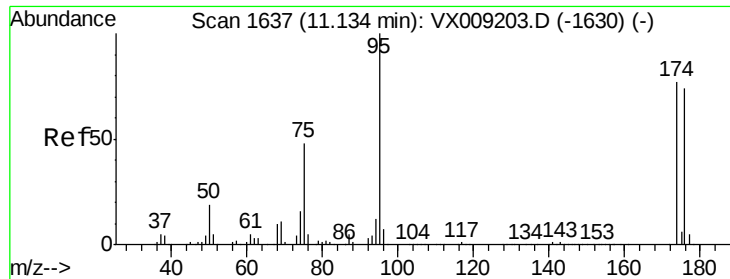
58 38.8 25.9 77.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 46.125 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009732.D

Acq: 20 May 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-678-680

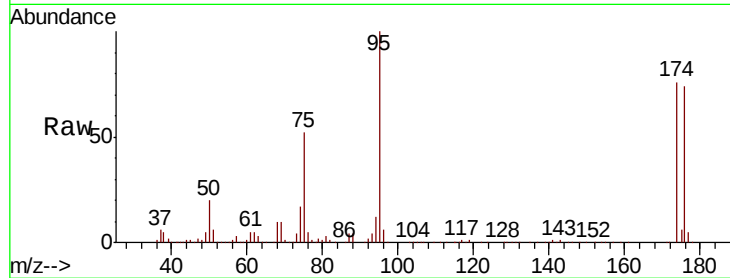
Tot Ion: 95 Resp: 115656

Ion Ratio Lower Upper

95 100

174 81.2 0.0 161.6

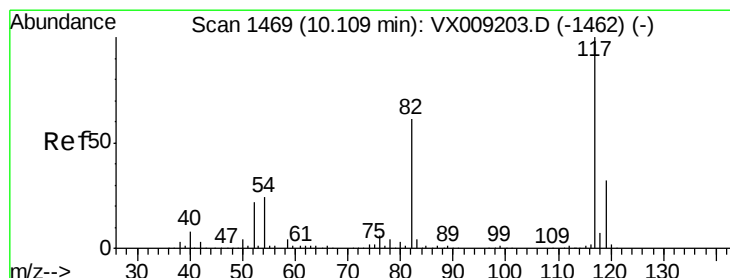
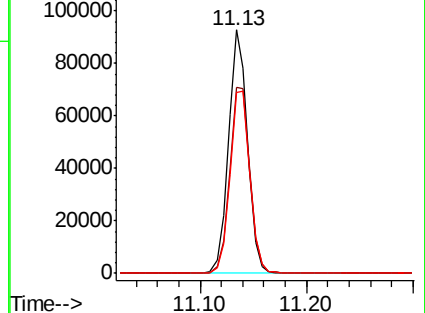
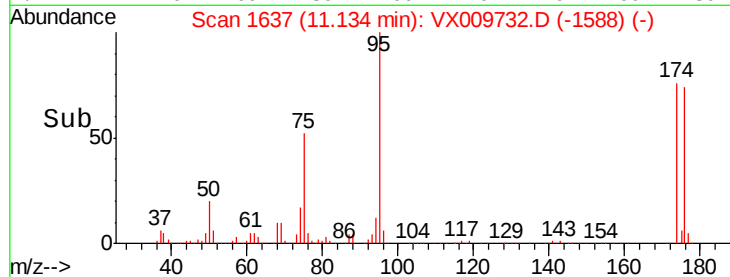
176 78.7 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009732.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009732.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009732.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009732.D

Acq: 20 May 2019 17:37

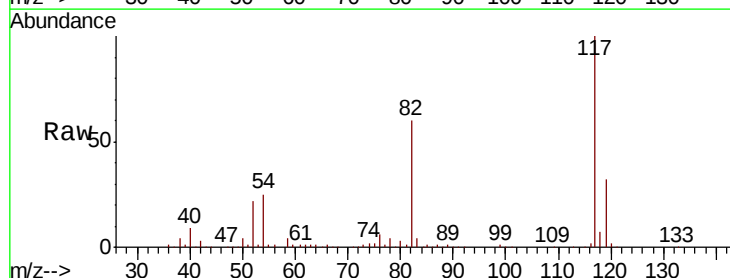
Tgt Ion: 117 Resp: 241774

Ion Ratio Lower Upper

117 100

82 60.4 48.8 73.2

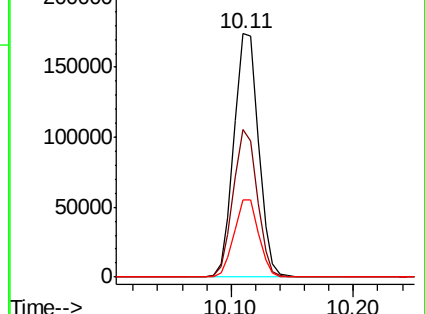
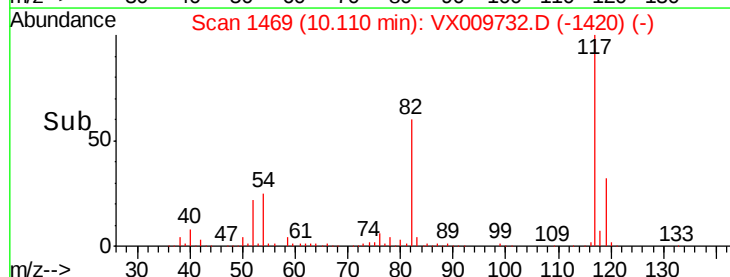
119 31.8 25.8 38.6

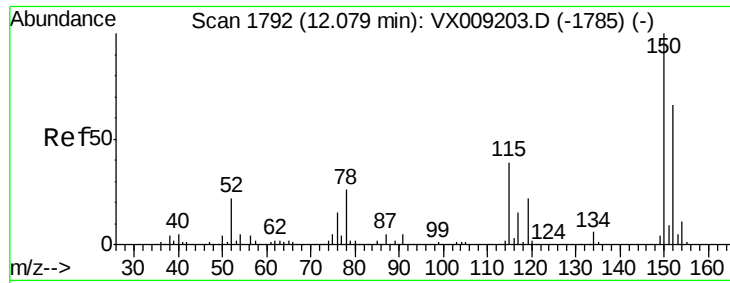


Abundance Ion 116.90 (116.60 to 117.60): VX009732.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009732.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009732.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009732.D

Acq: 20 May 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-678-680

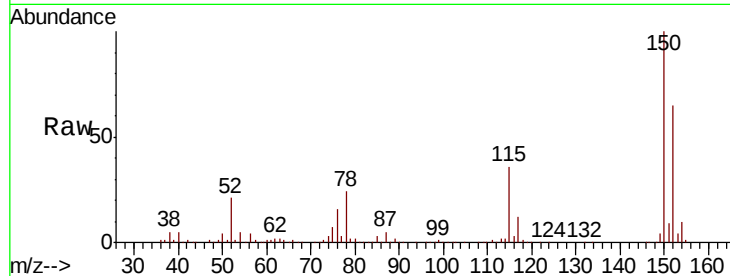
Tot Ion:152 Resp: 104871

Ion Ratio Lower Upper

152 100

115 58.0 41.2 123.6

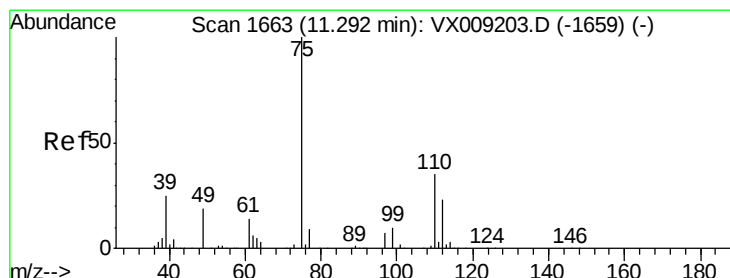
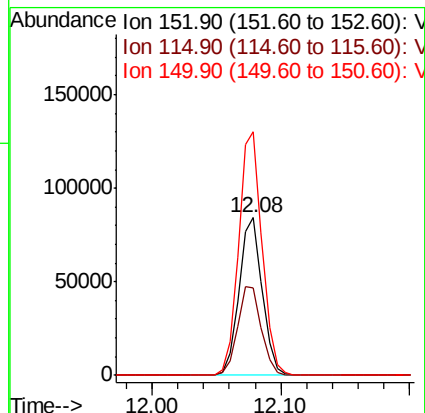
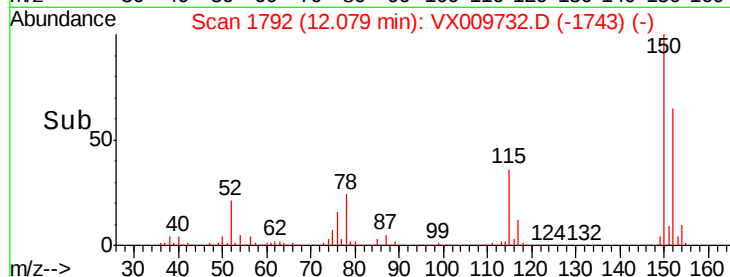
150 156.5 0.0 346.4



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: 24.400 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009732.D

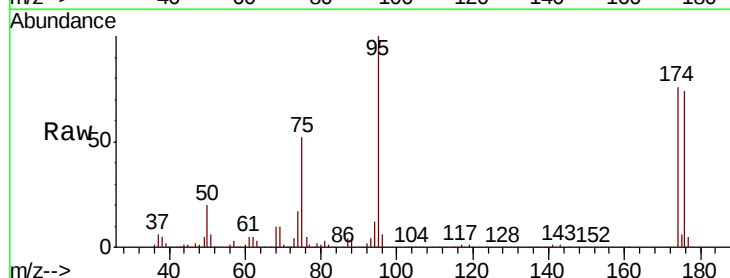
Acq: 20 May 2019 17:37

Tgt Ion: 75 Resp: 59355

Ion Ratio Lower Upper

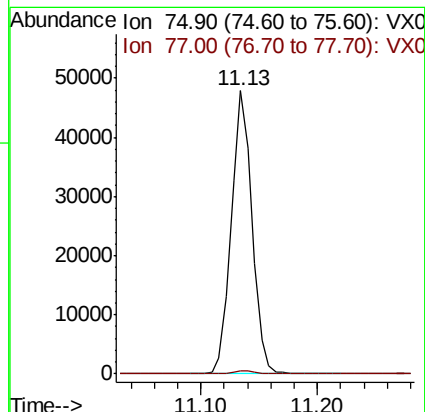
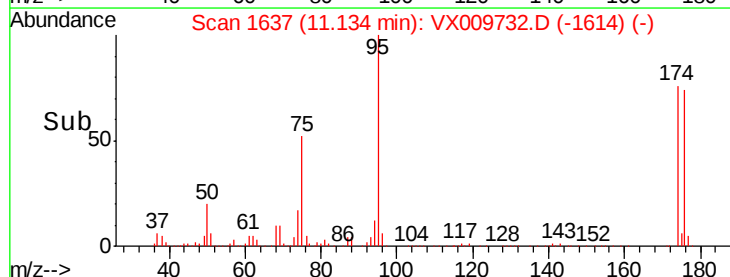
75 100

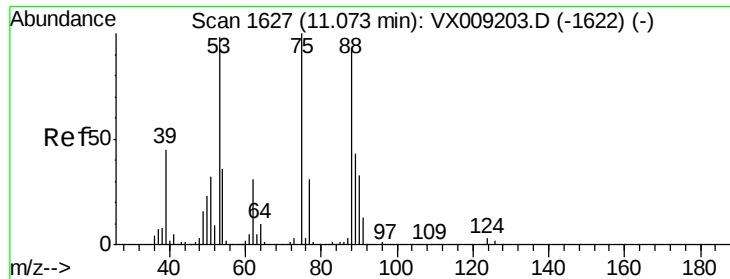
77 1.3 22.1 66.1#



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: 62.430 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009732.D

Acq: 20 May 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-678-680

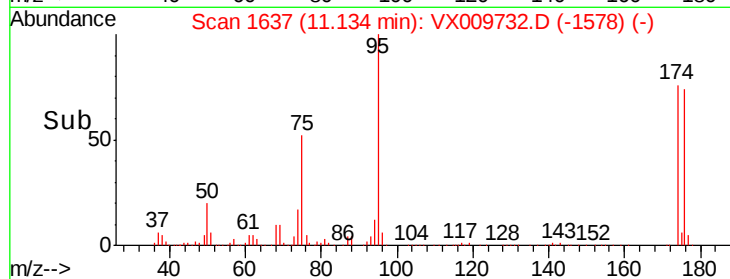
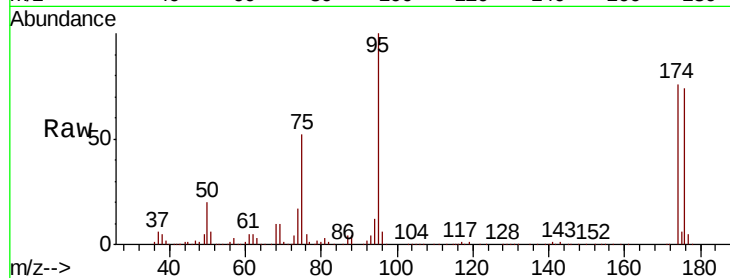
Tot Ion: 75 Resp: 59355

Ion Ratio Lower Upper

75 100

53 0.2 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

