

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012837.D
 Acq On : 07 Oct 2019 14:50
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Oct 08 11:11:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	178564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	301102	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	99249	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	114083	43.87	ug/l	0.00
Spiked Amount			Recovery	=	87.74%	
35) Dibromofluoromethane	5.49	113	87148	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
50) Toluene-d8	8.71	98	352634	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
62) 4-Bromofluorobenzene	11.14	95	121490	44.74	ug/l	0.00
Spiked Amount			Recovery	=	89.48%	

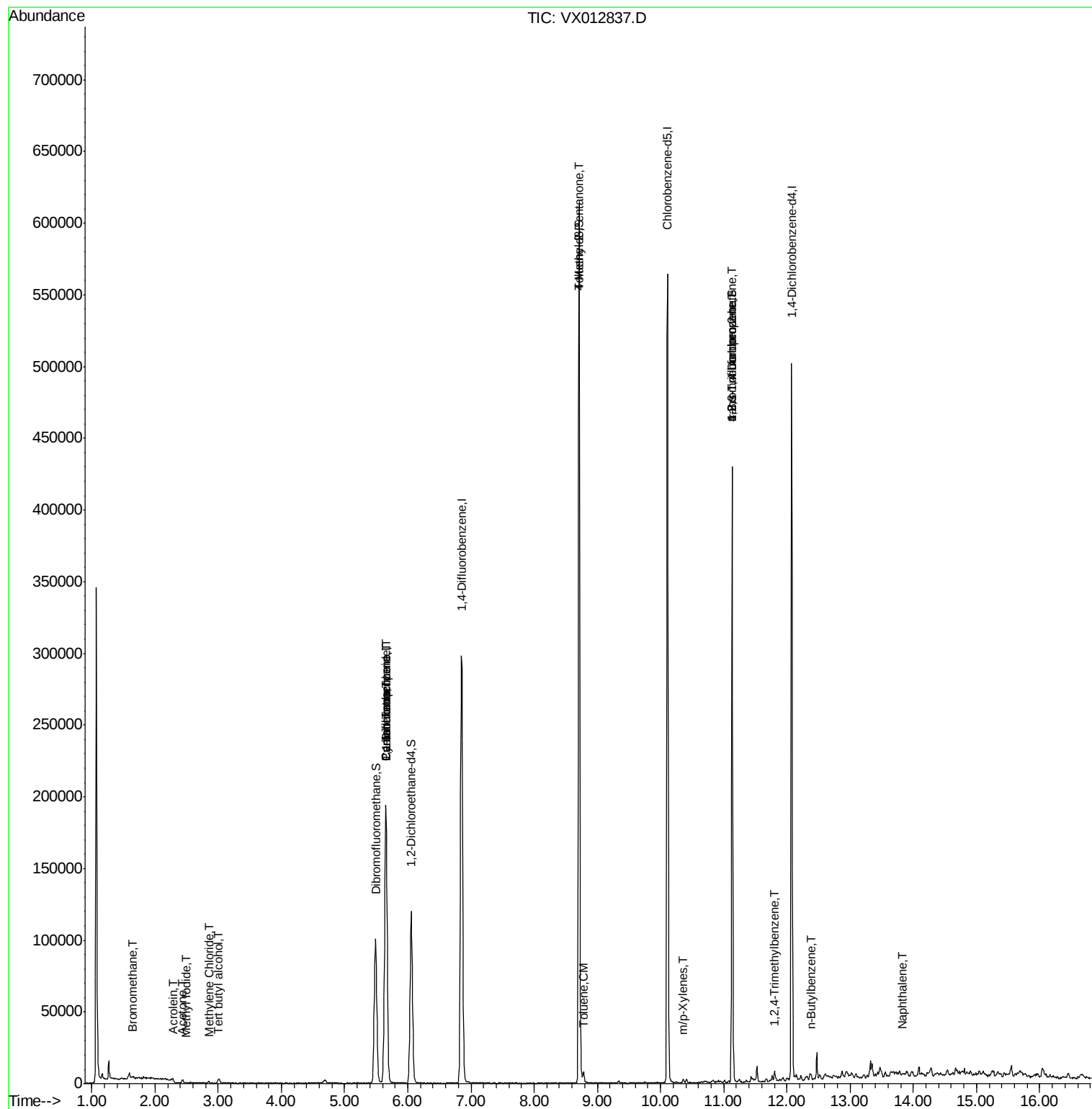
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	537	0.596	ug/l	100
10) Methyl Iodide	2.50	142	168	5.026	ug/l #	35
11) Tert butyl alcohol	3.01	59	2137	3.290	ug/l #	72
13) Acrolein	2.28	56	161	10.660	ug/l #	1
16) Acetone	2.44	43	2546	1.849	ug/l	93
20) Methylene Chloride	2.86	84	602	0.258	ug/l #	53
31) Cyclohexane	5.65	56	3816	1.054	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14212	4.897	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18749	6.359	ug/l #	15
51) 4-Methyl-2-Pentanone	8.71	43	1544	0.441	ug/l #	1
52) Toluene	8.78	92	2578	0.480	ug/l	96
68) m/p-Xylenes	10.36	106	782	0.214	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	61029	23.246	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	61029	66.617	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.80	105	3160	0.462	ug/l	98
89) n-Butylbenzene	12.39	91	1331	0.220	ug/l #	54
95) Naphthalene	13.83	128	1467	0.202	ug/l #	90

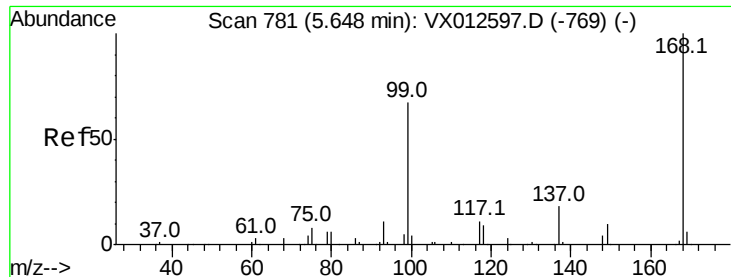
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012837.D

Acq: 07 Oct 2019 14:50

Instrument :

MSVOA_X

ClientSampleId :

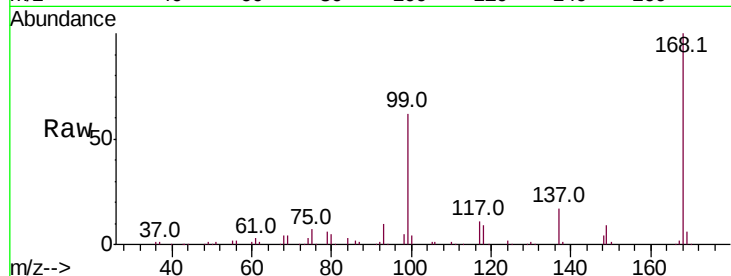
IBLK

Tot Ion:168 Resp: 178564

Ion Ratio Lower Upper

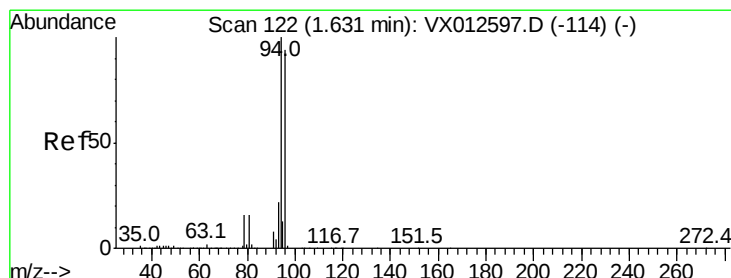
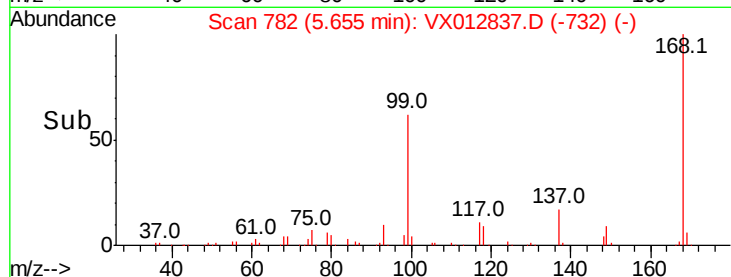
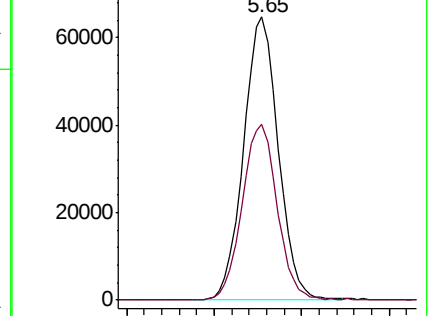
168 100

99 61.9 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.596 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012837.D

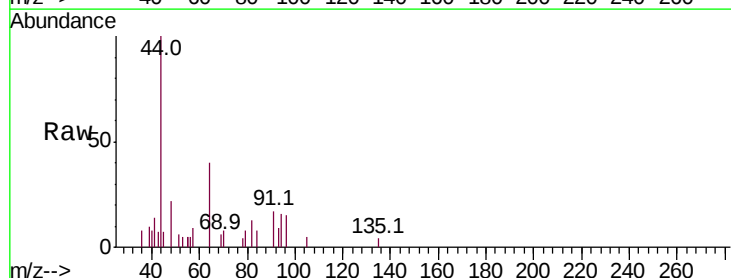
Acq: 07 Oct 2019 14:50

Tgt Ion: 94 Resp: 537

Ion Ratio Lower Upper

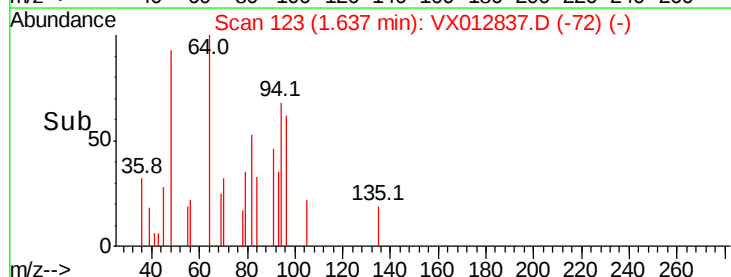
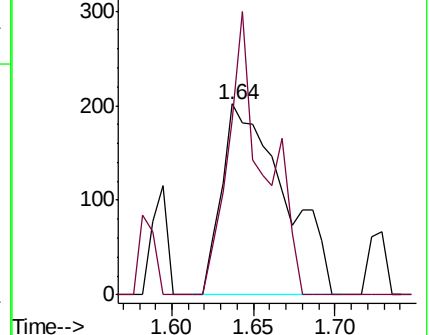
94 100

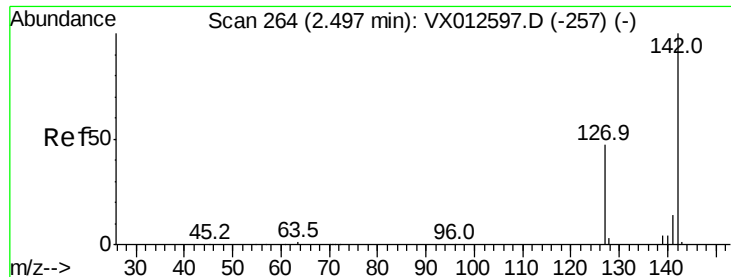
96 91.1 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

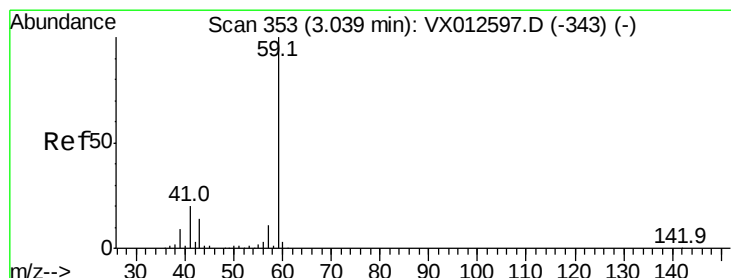
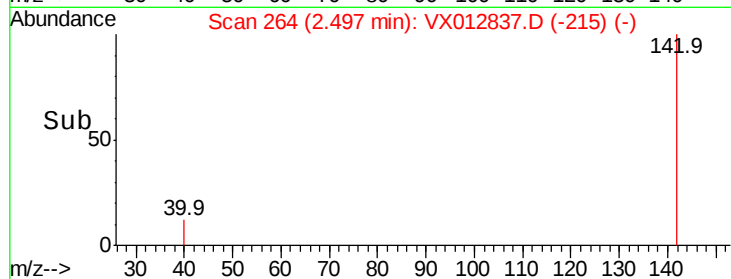
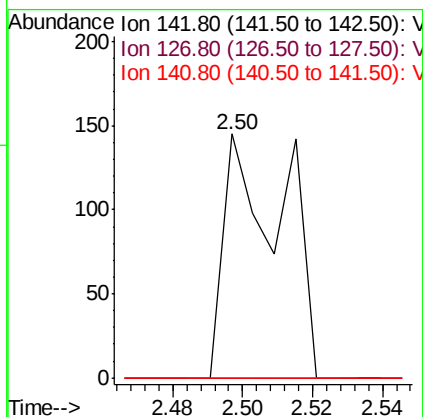
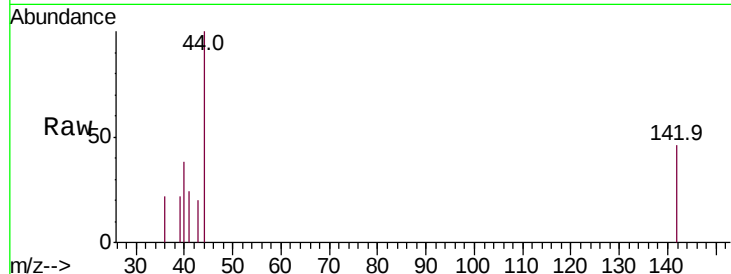




#10
Methvl Iodide
Concen: 5.026 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX012837.D
Acq: 07 Oct 2019 14:50

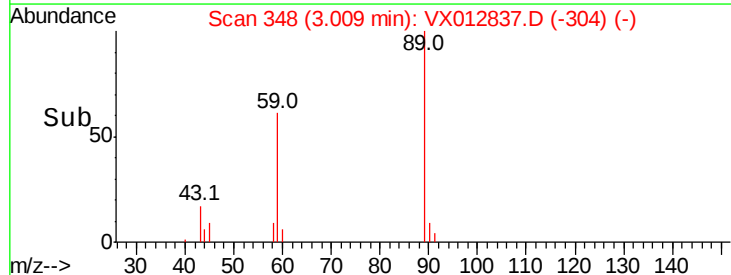
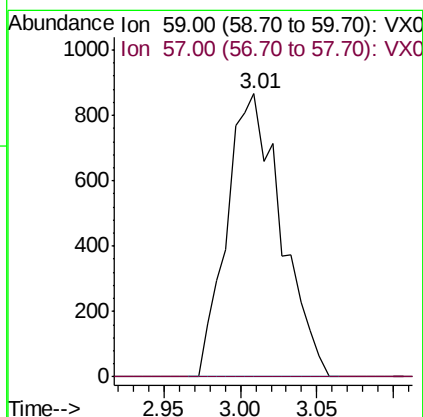
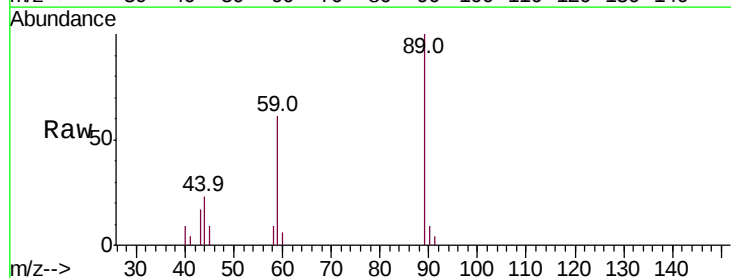
Instrument :
MSVOA_X
ClientSampleId :
IBLK

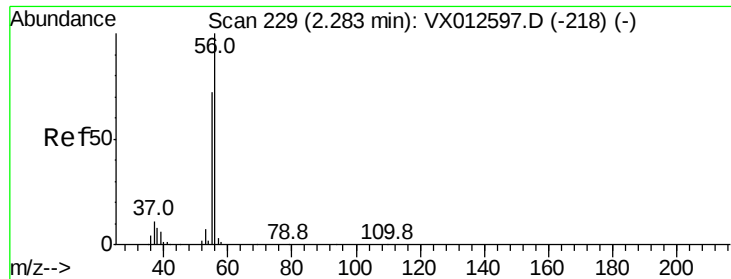
Tot Ion:142 Resp: 168
Ion Ratio Lower Upper
142 100
127 0.0 40.8 61.2#
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: 3.290 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX012837.D
Acq: 07 Oct 2019 14:50

Tgt Ion: 59 Resp: 2137
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 10.660 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012837.D

Acq: 07 Oct 2019 14:50

Instrument :

MSVOA_X

ClientSampled :

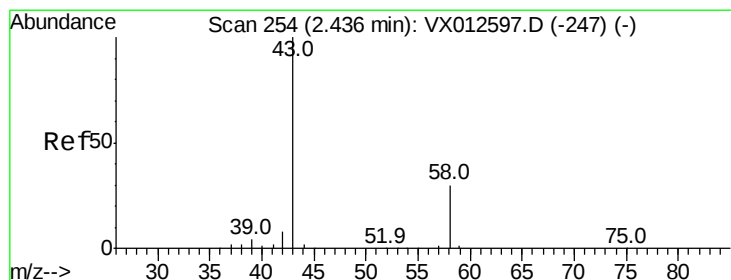
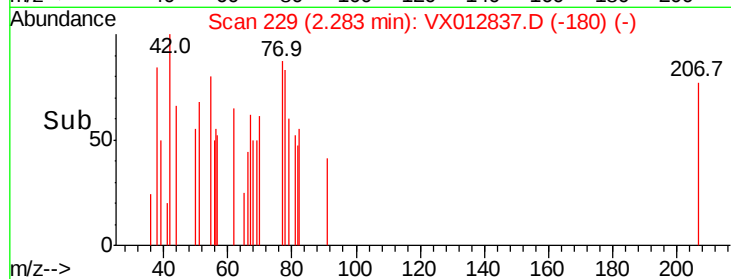
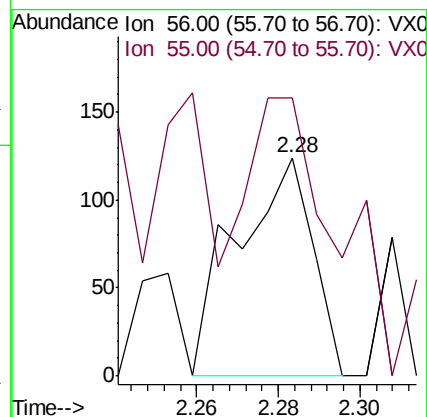
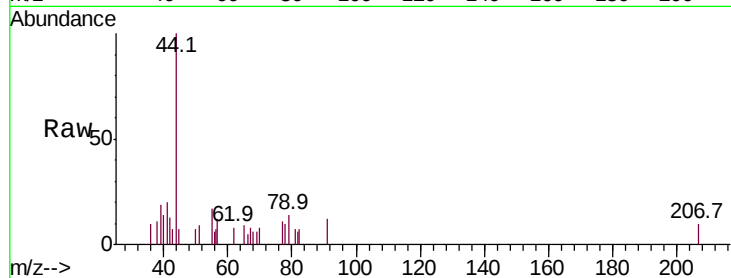
IBLK

Tot Ion: 56 Resp: 161

Ion Ratio Lower Upper

56 100

55 165.8 55.8 83.8#



#16

Acetone

Concen: 1.849 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012837.D

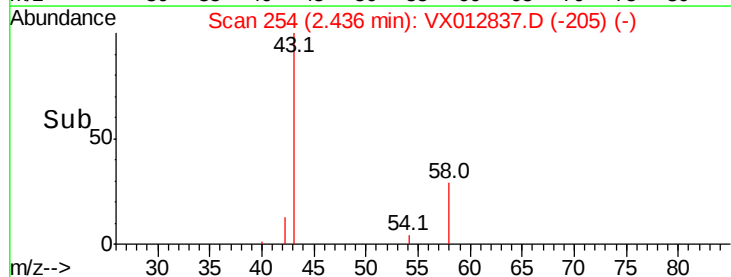
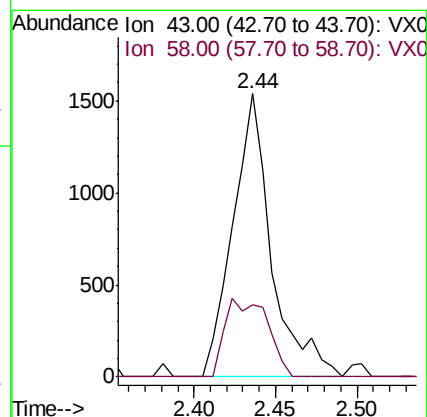
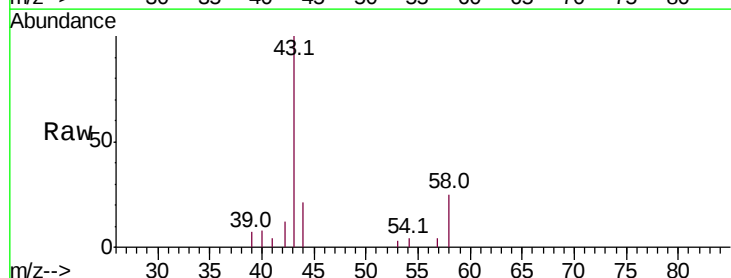
Acq: 07 Oct 2019 14:50

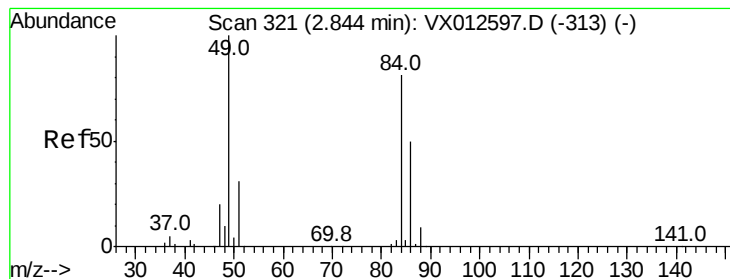
Tgt Ion: 43 Resp: 2546

Ion Ratio Lower Upper

43 100

58 25.5 23.3 34.9





#20

Methylene Chloride

Concen: 0.258 ug/l

RT: 2.86 min Scan# 323

Delta R.T. 0.01 min

Lab File: VX012837.D

Acq: 07 Oct 2019 14:50

Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tot Ion: 84 Resp: 602

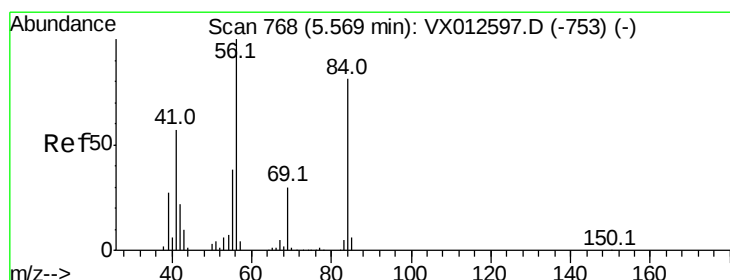
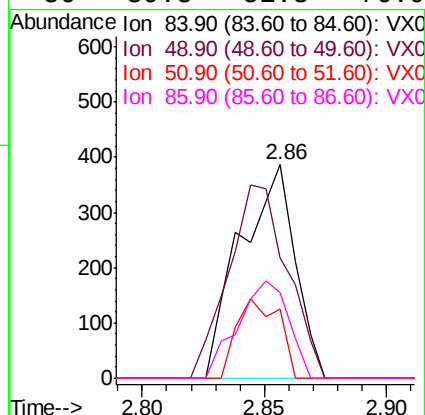
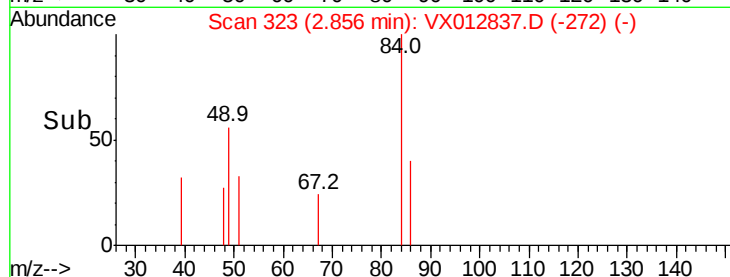
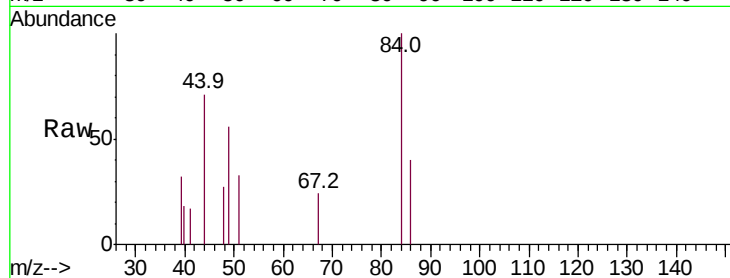
Ion Ratio Lower Upper

84 100

49 56.3 106.8 160.2#

51 32.6 32.3 48.5

86 39.8 51.3 76.9#



#31

Cyclohexane

Concen: 1.054 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012837.D

Acq: 07 Oct 2019 14:50

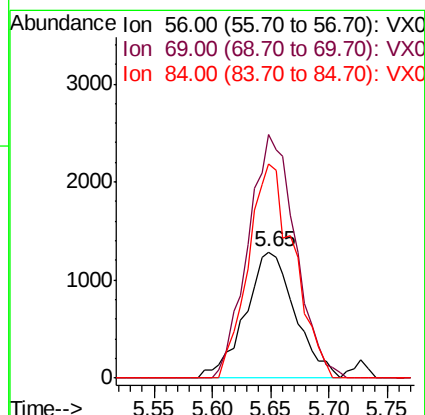
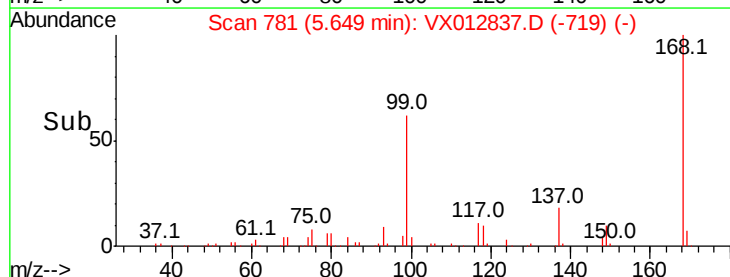
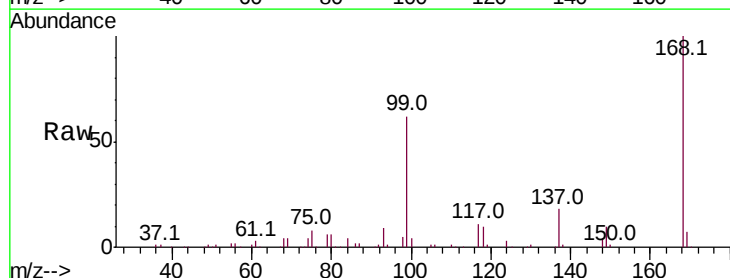
Tgt Ion: 56 Resp: 3816

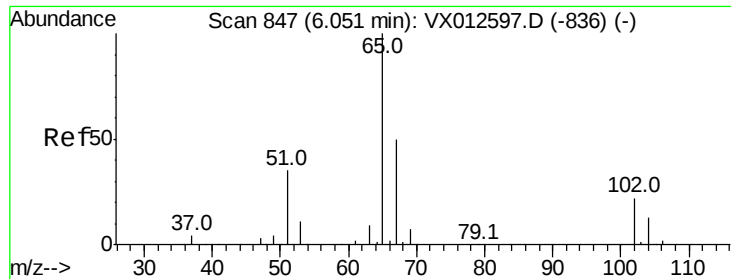
Ion Ratio Lower Upper

56 100

69 192.5 25.0 37.6#

84 169.6 66.4 99.6#

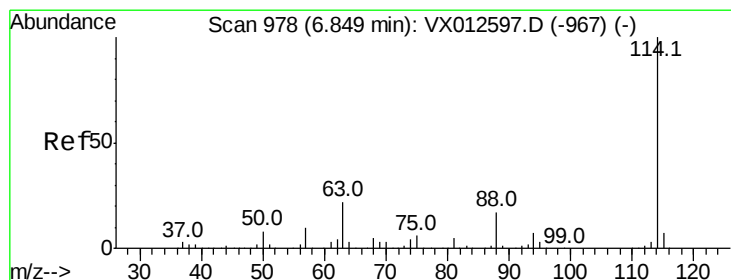
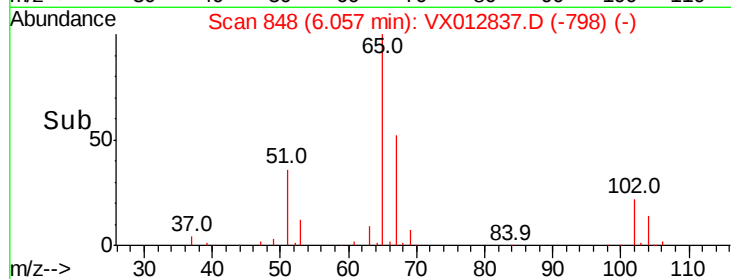
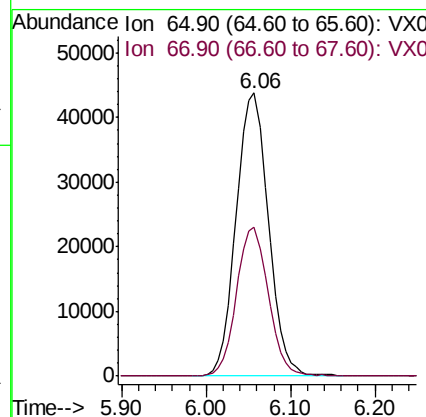
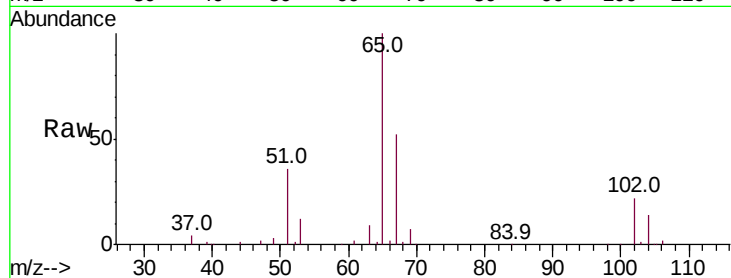




#33
 1,2-Dichloroethane-d4
 Concen: 43.874 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX012837.D
 Acq: 07 Oct 2019 14:50

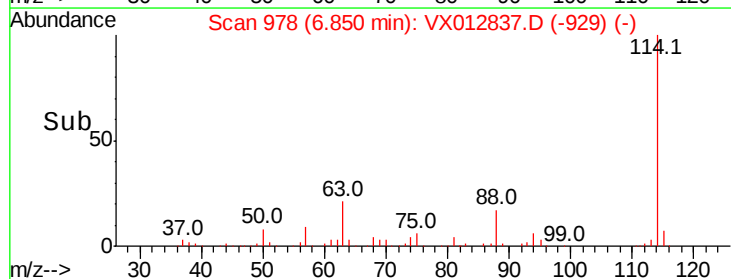
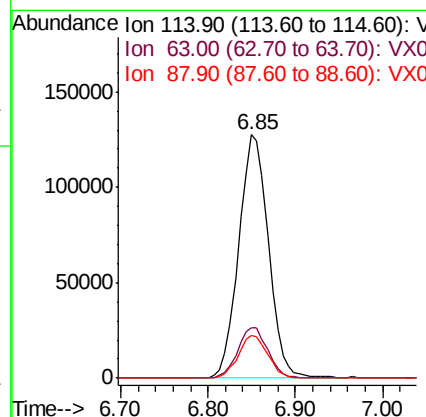
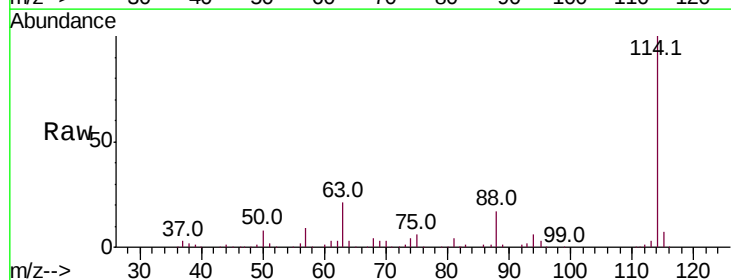
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

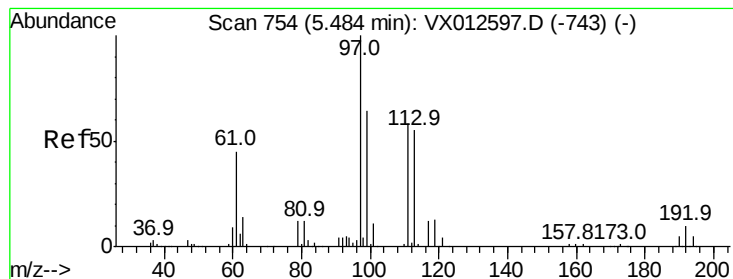
Tot Ion: 65 Resp: 114083
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012837.D
 Acq: 07 Oct 2019 14:50

Tgt Ion: 114 Resp: 301102
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.2
 88 17.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.599 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012837.D

Acq: 07 Oct 2019 14:50

Instrument :

MSVOA_X

ClientSampleId :

IBLK

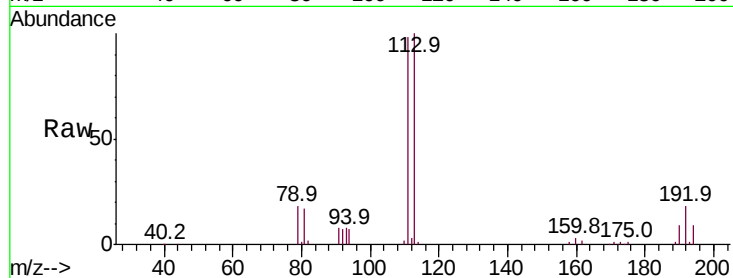
Tot Ion:113 Resp: 87148

Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.2

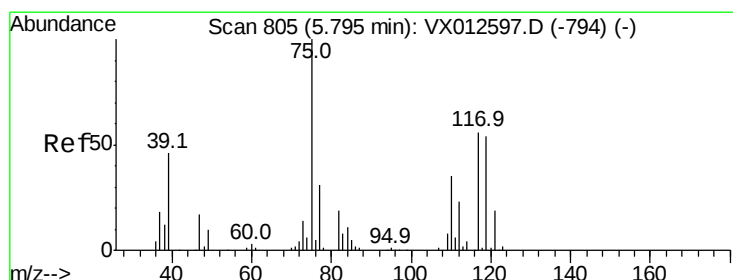
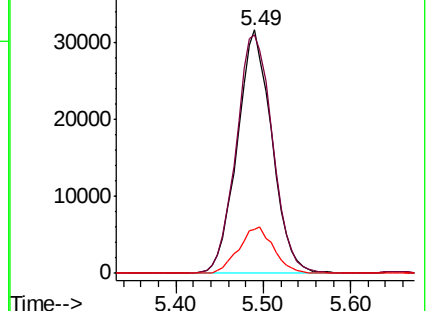
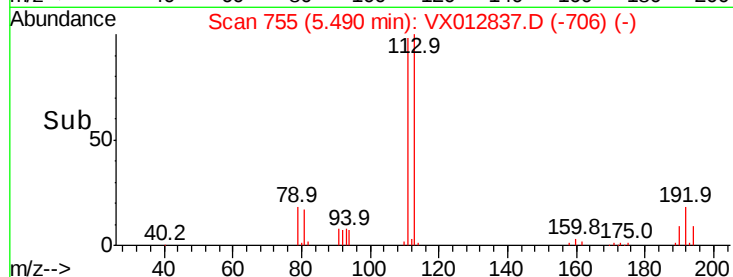
192 19.0 14.4 21.6



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: 4.897 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012837.D

Acq: 07 Oct 2019 14:50

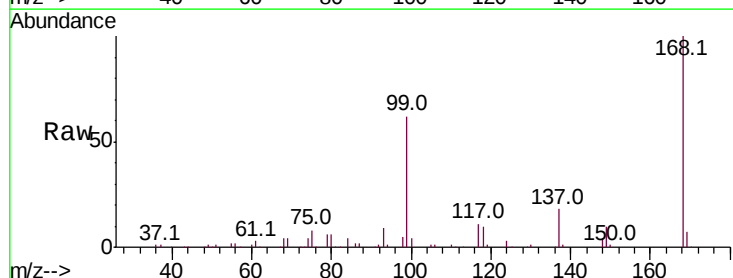
Tgt Ion: 75 Resp: 14212

Ion Ratio Lower Upper

75 100

110 9.1 16.7 50.0#

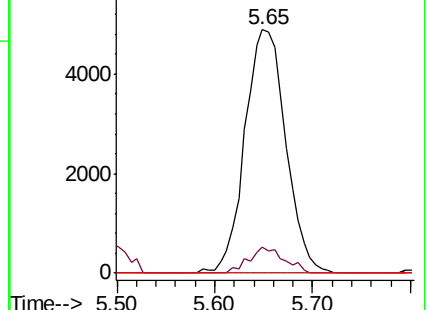
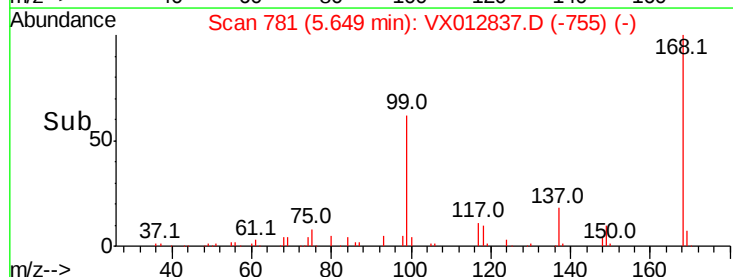
77 0.0 24.2 36.2#

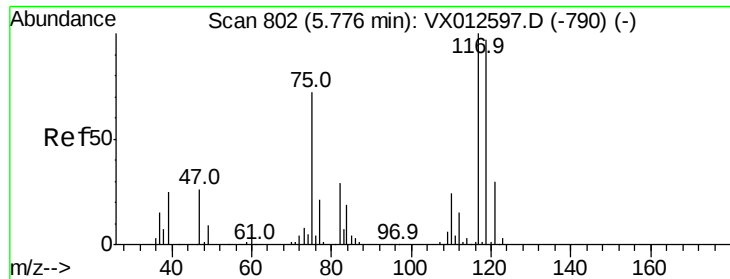


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

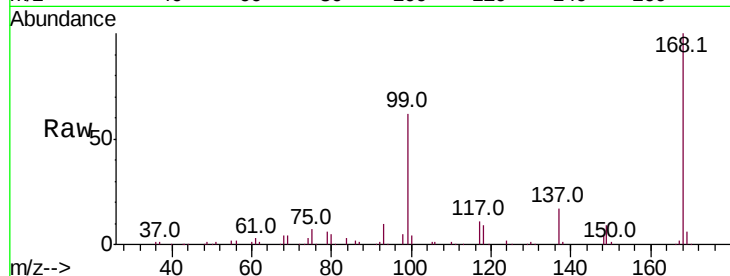




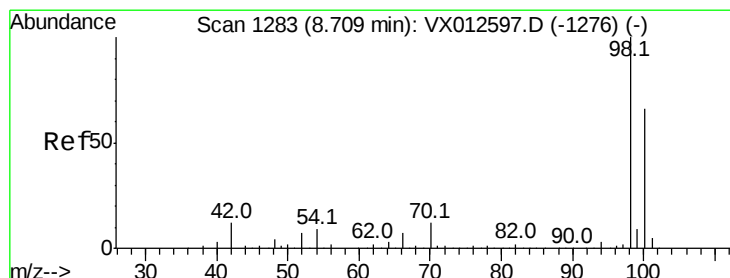
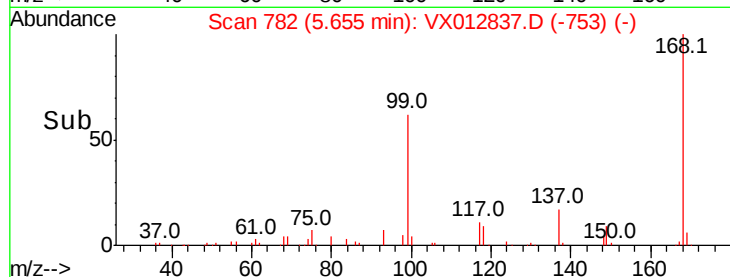
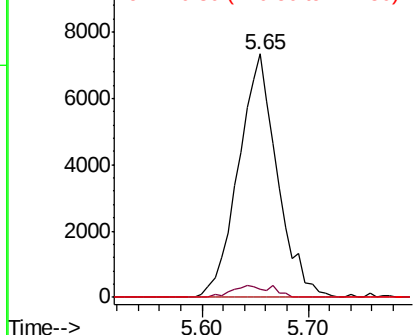
#38
Carbon Tetrachloride
Concen: 6.359 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012837.D
Acq: 07 Oct 2019 14:50

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tot Ion:117 Resp: 18749
Ion Ratio Lower Upper
117 100
119 3.2 75.7 113.5#
121 0.0 24.2 36.4#

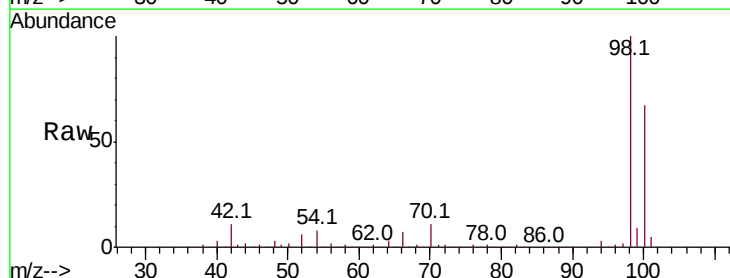


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

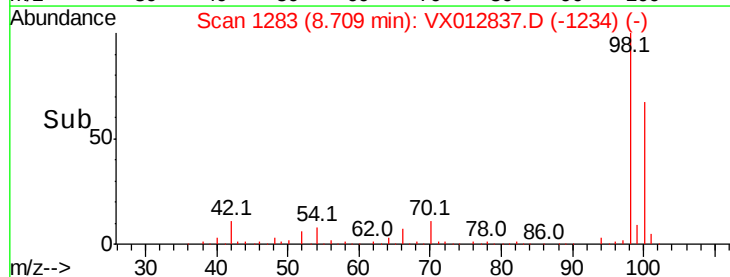
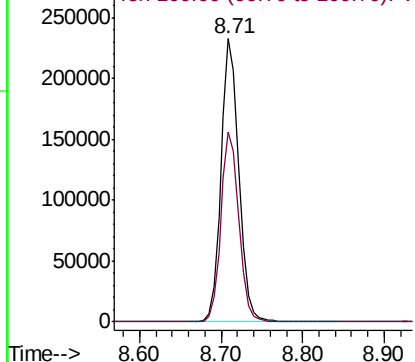


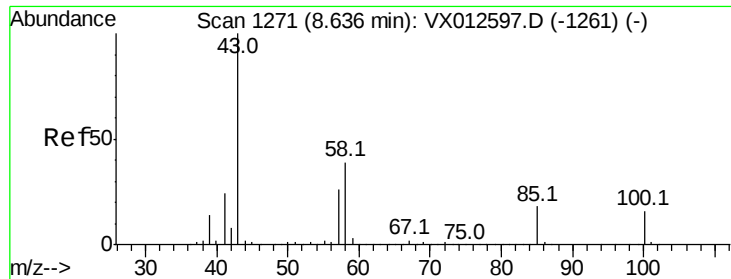
#50
Toluene-d8
Concen: 51.064 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012837.D
Acq: 07 Oct 2019 14:50

Tgt Ion: 98 Resp: 352634
Ion Ratio Lower Upper
98 100
100 67.8 53.4 80.2



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: 0.441 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012837.D

Acq: 07 Oct 2019 14:50

Instrument :

MSVOA_X

ClientSampled :

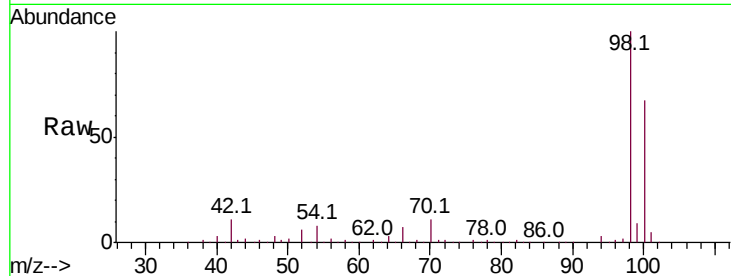
IBLK

Tot Ion: 43 Resp: 1544

Ion Ratio Lower Upper

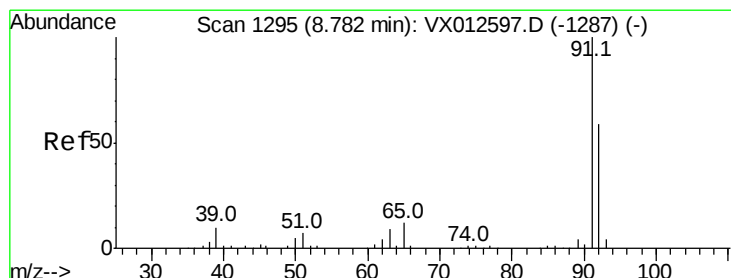
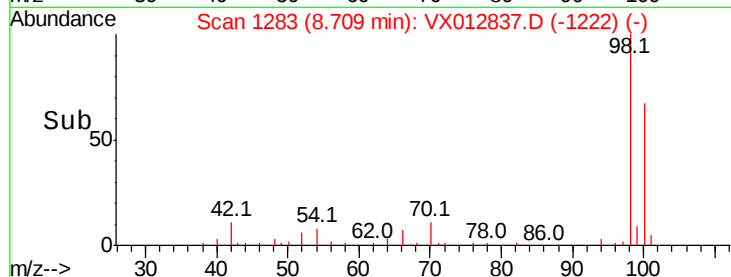
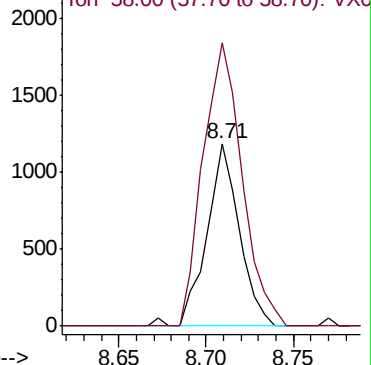
43 100

58 185.2 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 0.480 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012837.D

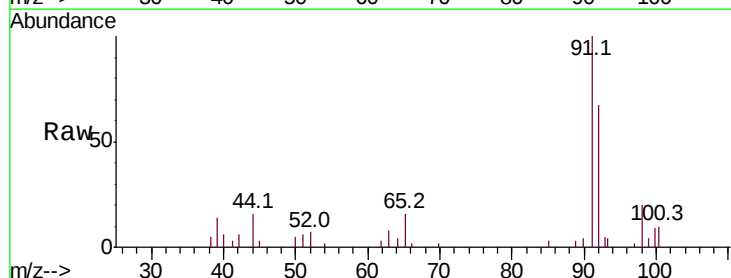
Acq: 07 Oct 2019 14:50

Tgt Ion: 92 Resp: 2578

Ion Ratio Lower Upper

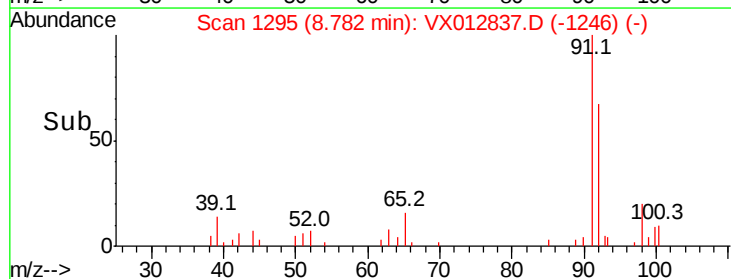
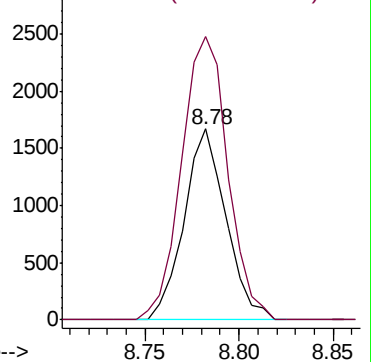
92 100

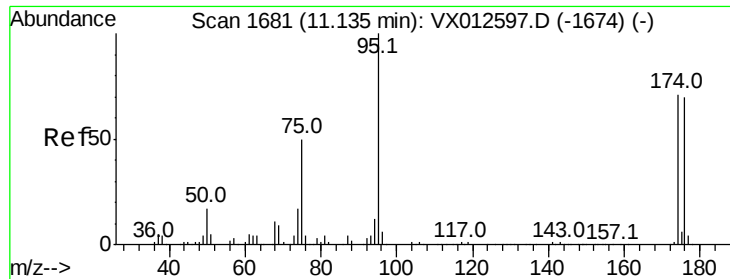
91 163.6 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

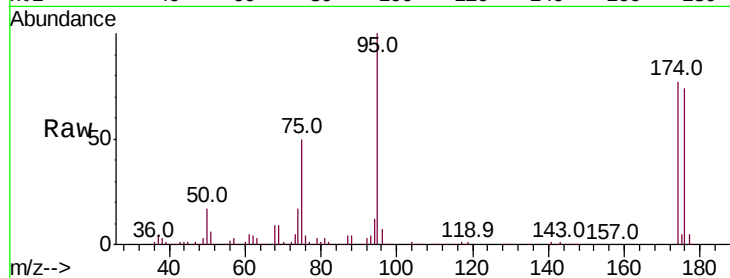




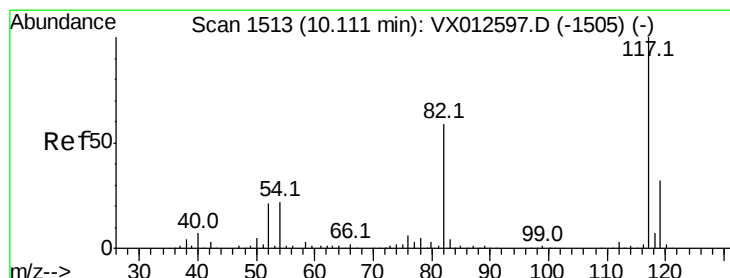
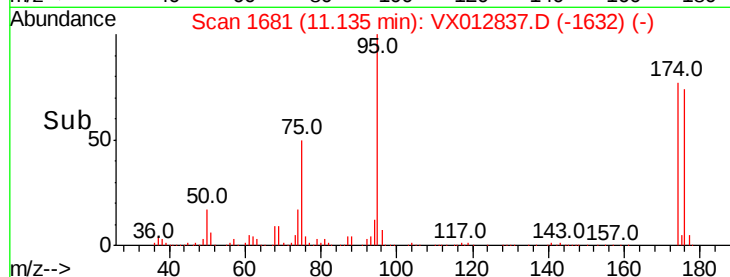
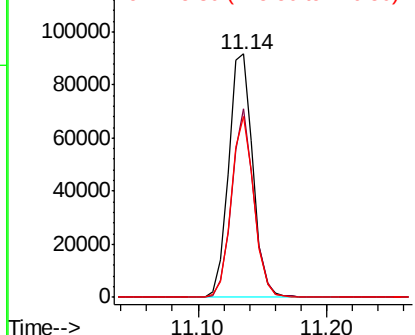
#62
4-Bromofluorobenzene
Concen: 44.742 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012837.D
Acq: 07 Oct 2019 14:50

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tot Ion: 95 Resp: 121490
Ion Ratio Lower Upper
95 100
174 70.3 0.0 140.0
176 69.6 0.0 135.4

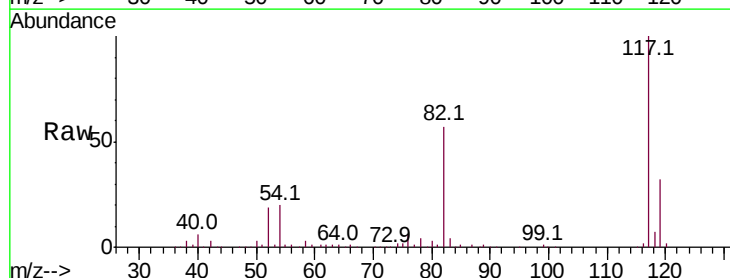


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

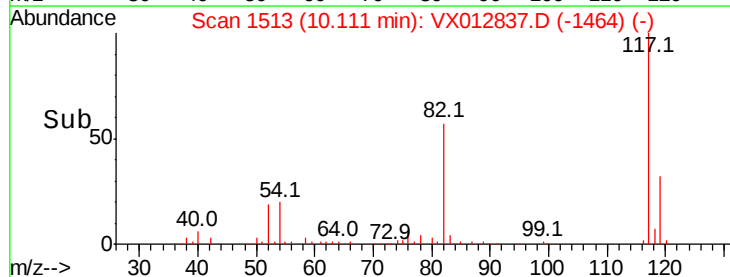
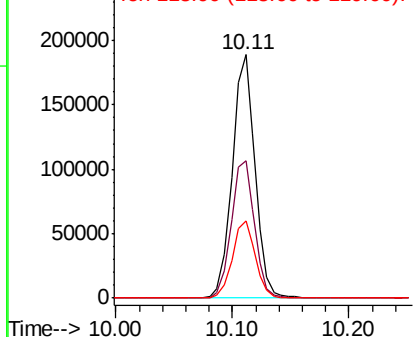


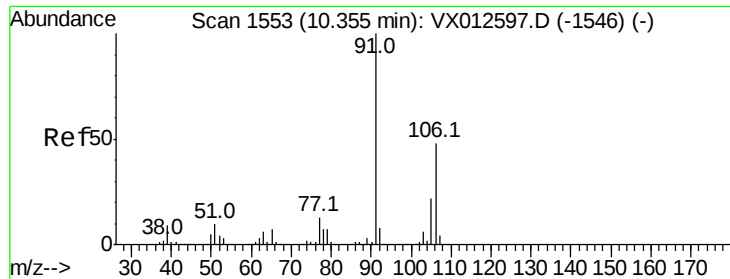
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012837.D
Acq: 07 Oct 2019 14:50

Tgt Ion: 117 Resp: 255873
Ion Ratio Lower Upper
117 100
82 56.6 45.9 68.9
119 31.6 25.3 37.9



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

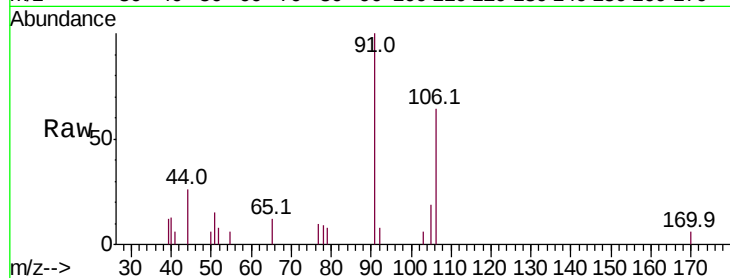




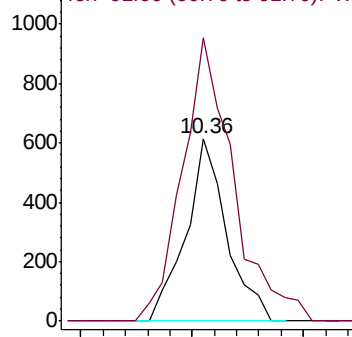
#68
m/p-Xvlenes
Concen: 0.214 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012837.D
Acq: 07 Oct 2019 14:50

Instrument :
MSVOA_X
ClientSampled :
IBLK

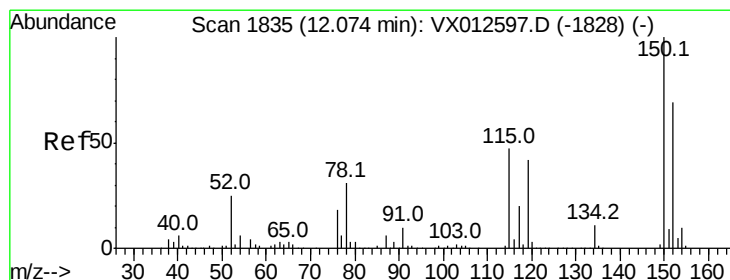
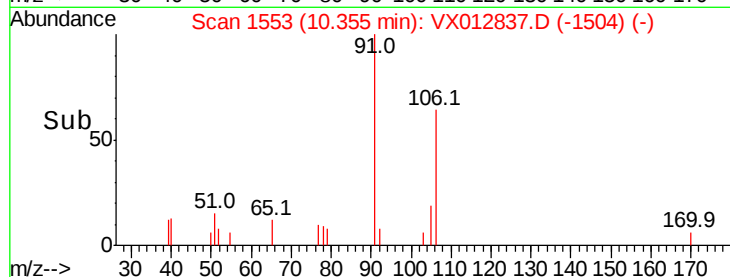
Tot Ion:106 Resp: 782
Ion Ratio Lower Upper
106 100
91 195.0 166.6 250.0



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

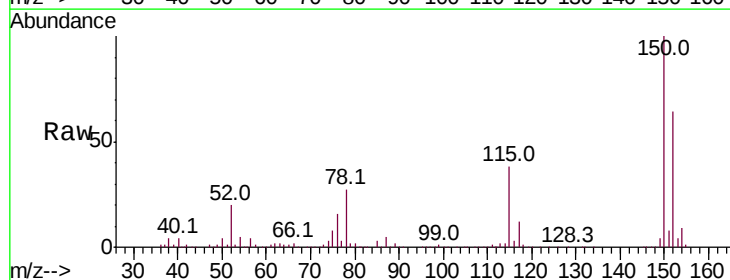


Time-->

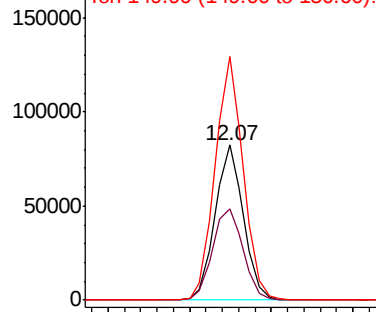


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012837.D
Acq: 07 Oct 2019 14:50

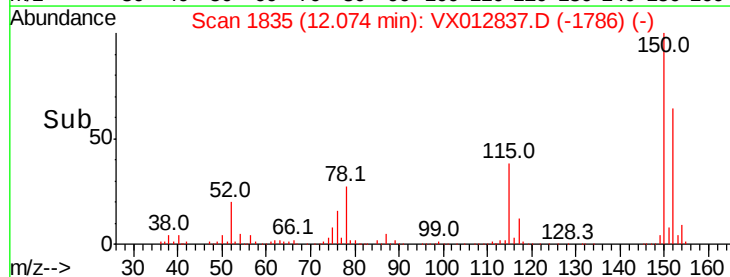
Tgt Ion:152 Resp: 99249
Ion Ratio Lower Upper
152 100
115 63.9 44.1 132.3
150 156.1 0.0 343.8

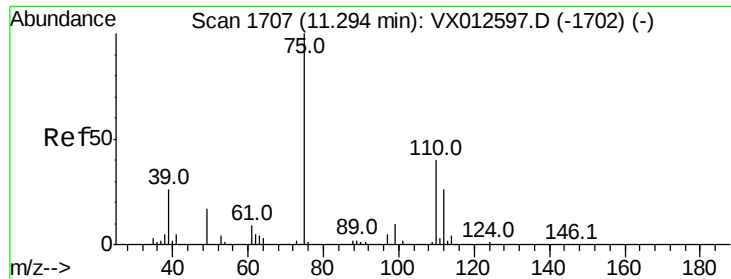


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



Time-->





#76

1,2,3-Trichloropropane

Concen: 23.246 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012837.D

Acq: 07 Oct 2019 14:50

Instrument :

MSVOA_X

ClientSampled :

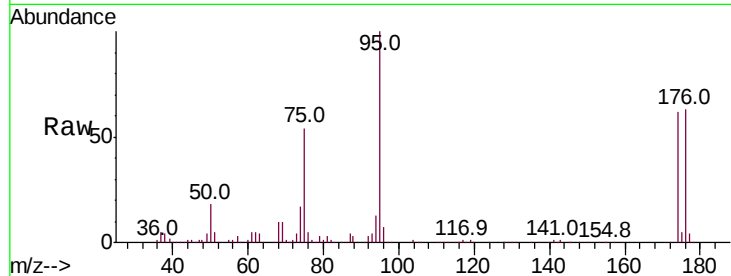
IBLK

Tot Ion: 75 Resp: 61029

Ion Ratio Lower Upper

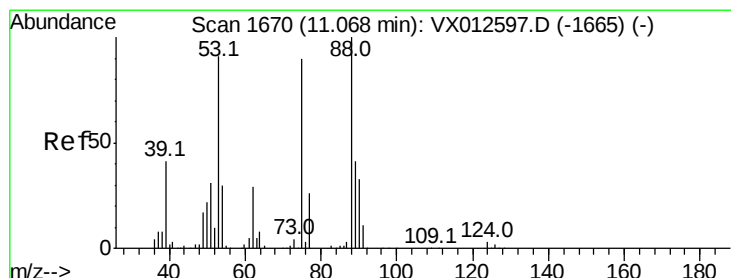
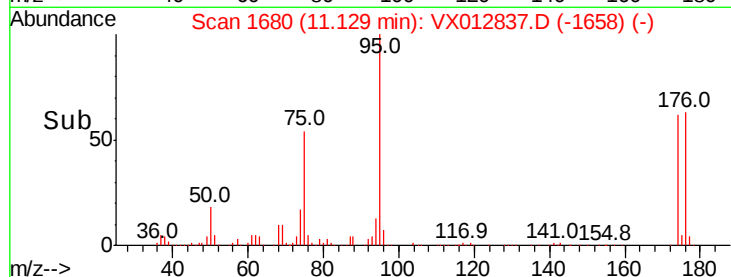
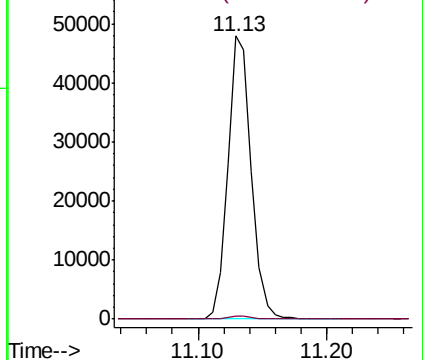
75 100

77 1.3 19.7 59.0#



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: 66.617 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012837.D

Acq: 07 Oct 2019 14:50

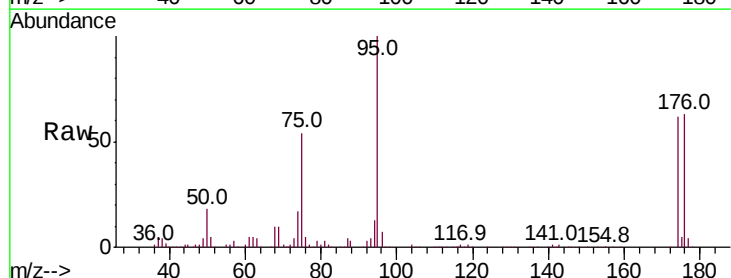
Tgt Ion: 75 Resp: 61029

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

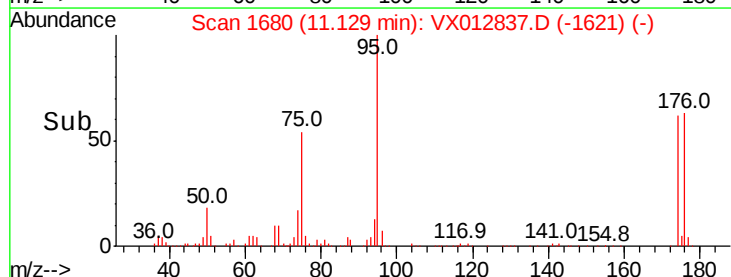
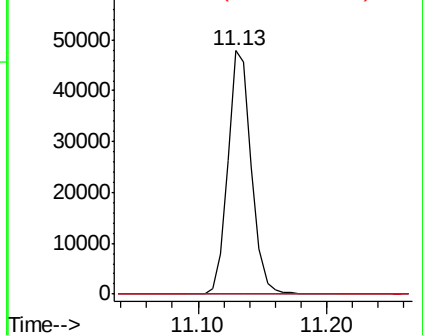
89 0.1 36.3 54.5#

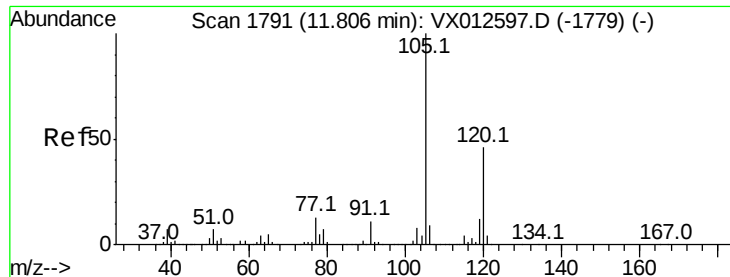


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

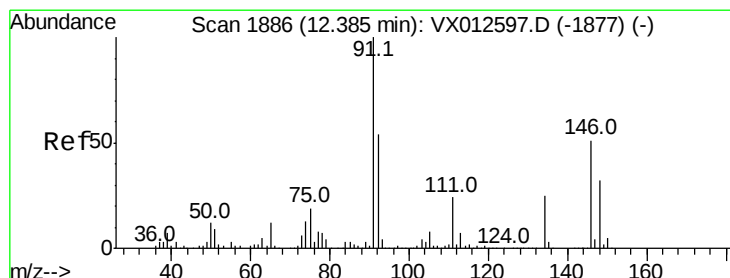
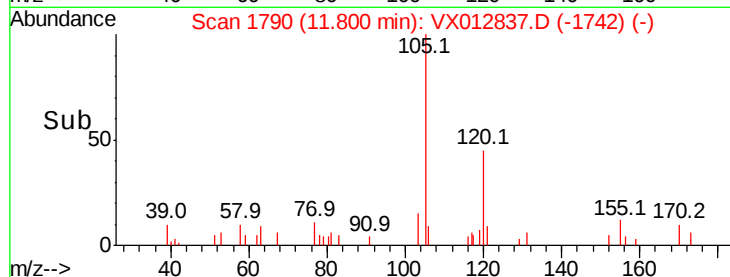
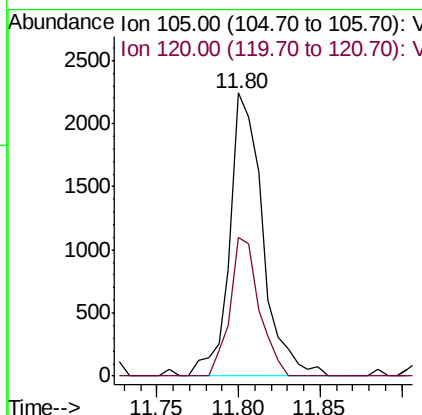
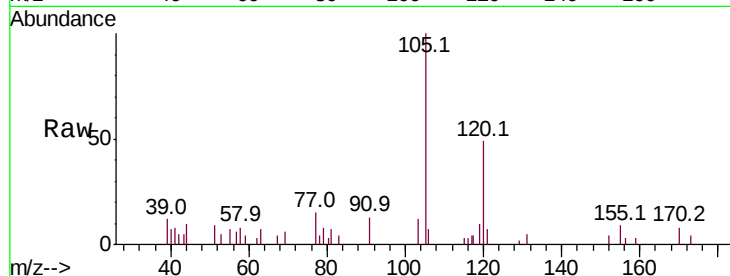




#84
 1,2,4-Trimethylbenzene
 Concen: 0.462 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012837.D
 Acq: 07 Oct 2019 14:50

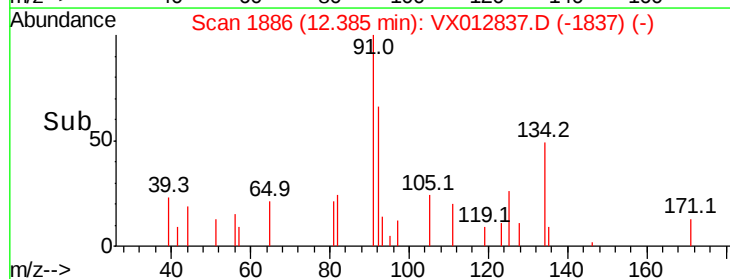
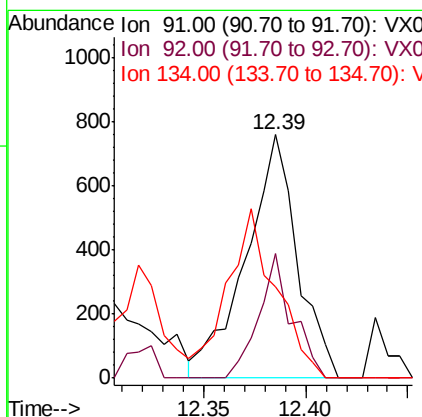
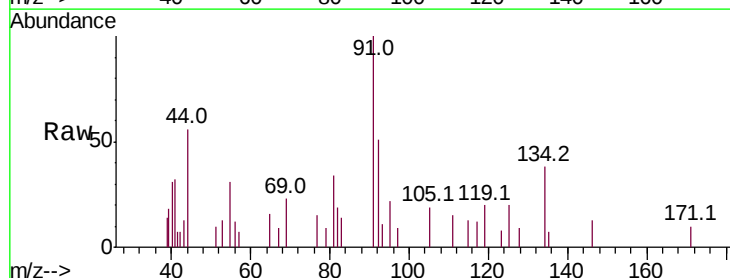
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

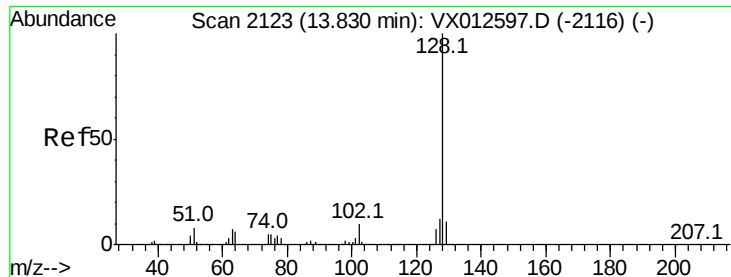
Tot Ion: 105 Resp: 3160
 Ion Ratio Lower Upper
 105 100
 120 42.9 22.2 66.6



#89
 n-Butylbenzene
 Concen: 0.220 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012837.D
 Acq: 07 Oct 2019 14:50

Tgt Ion: 91 Resp: 1331
 Ion Ratio Lower Upper
 91 100
 92 33.3 27.7 83.0
 134 65.4 12.9 38.6#





#95
Naphthalene
Concen: 0.202 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012837.D
Acq: 07 Oct 2019 14:50

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tot Ion:128 Resp: 1467
Ion Ratio Lower Upper
128 100
127 14.2 10.2 15.4
129 17.9 8.8 13.2#

