

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010720\
 Data File : VX014456.D
 Acq On : 07 Jan 2020 18:31
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jan 08 01:34:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

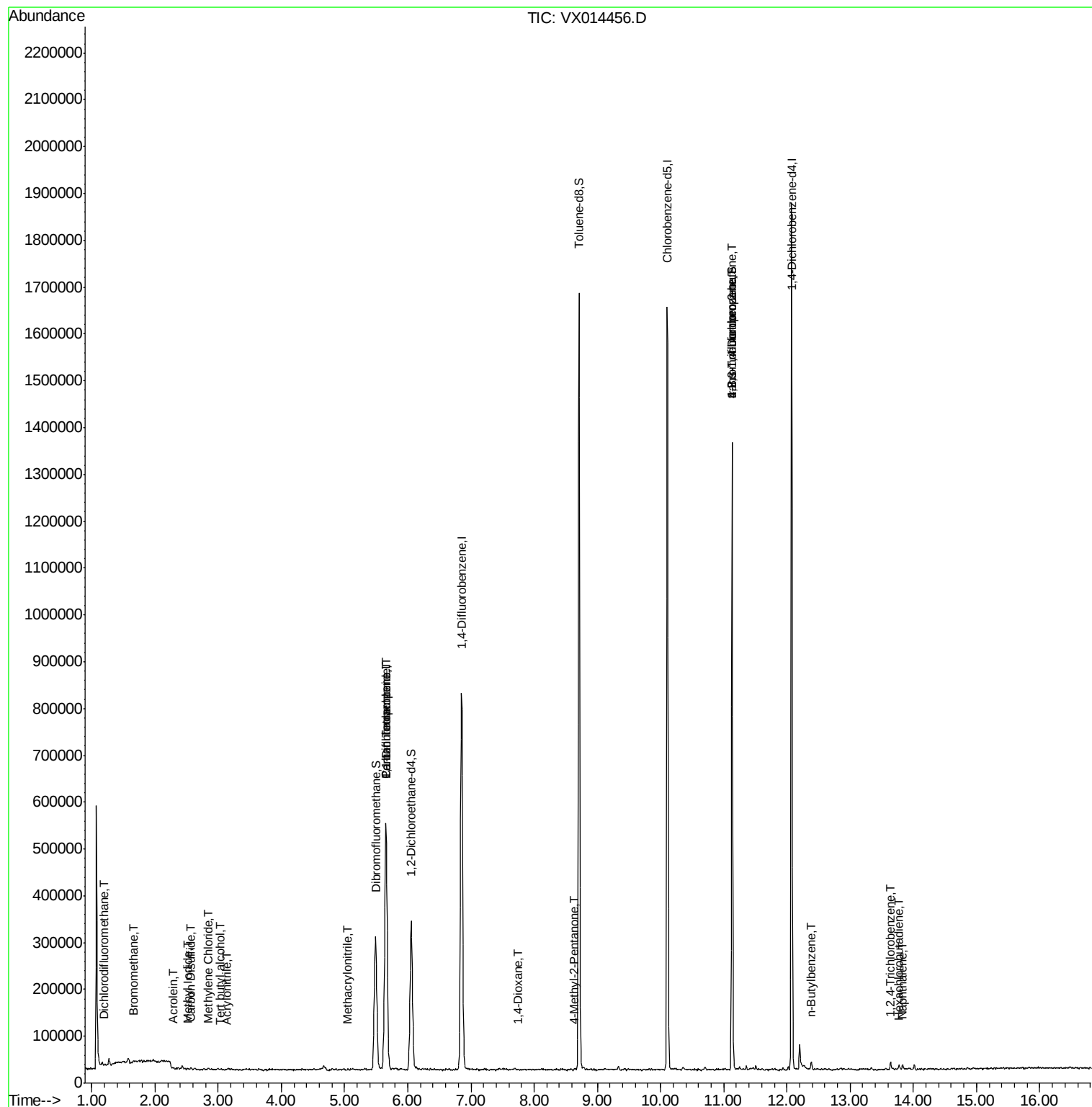
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	549379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	835665	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	764048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	391762	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	293088	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
35) Dibromofluoromethane	5.49	113	244684	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
50) Toluene-d8	8.71	98	991176	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	11.13	95	353282	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.19	85	413	0.313	ug/l #	42
5) Bromomethane	1.66	94	2872	0.555	ug/l	99
6) Chloroethane	1.72	64	415	Below Cal	#	61
10) Methyl Iodide	2.52	142	1635	0.254	ug/l #	51
11) Tert butyl alcohol	3.02	59	916	0.715	ug/l #	85
13) Acrolein	2.29	56	399	0.389	ug/l #	80
15) Acrylonitrile	3.13	53	664	0.215	ug/l	93
16) Acetone	2.43	43	7819	Below Cal		98
17) Carbon Disulfide	2.56	76	4952	0.327	ug/l #	94
20) Methylene Chloride	2.85	84	1706	0.277	ug/l #	64
36) 1,1-Dichloropropene	5.65	75	35854	4.562	ug/l #	49
38) Carbon Tetrachloride	5.65	117	48699	6.734	ug/l #	18
41) Methacrylonitrile	5.05	41	1158	0.254	ug/l #	23
49) 1,4-Dioxane	7.75	88	564	4.030	ug/l #	74
51) 4-Methyl-2-Pentanone	8.64	43	2071	0.246	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	172636	21.298	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	172636	56.309	ug/l #	12
88) 1,4-Dichlorobenzene	12.03	146	2696	Below Cal		87
89) n-Butylbenzene	12.39	91	4856	0.213	ug/l	81
93) 1,2,4-Trichlorobenzene	13.64	180	4133	0.327	ug/l	97
94) Hexachlorobutadiene	13.78	225	1484	0.398	ug/l	96
95) Naphthalene	13.83	128	7036	0.241	ug/l #	80

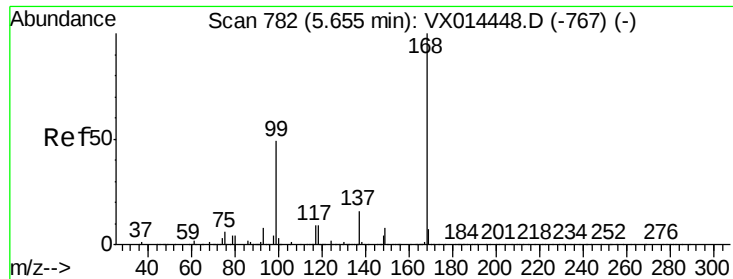
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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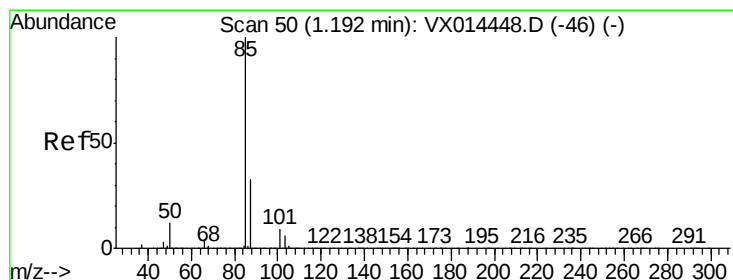
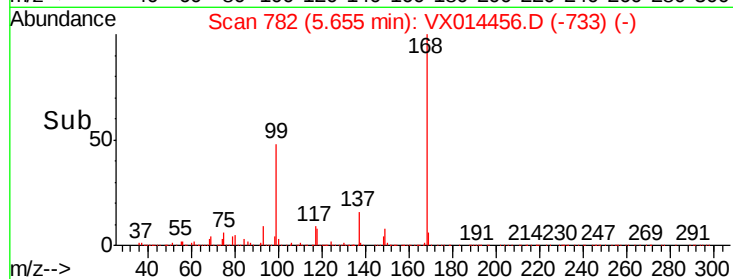
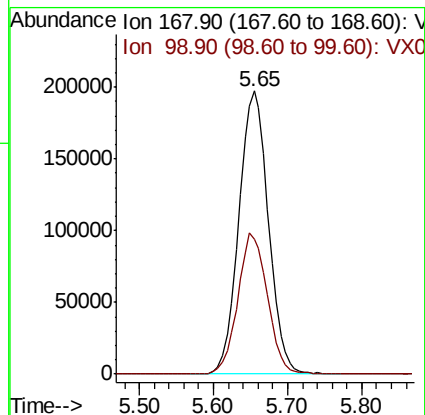
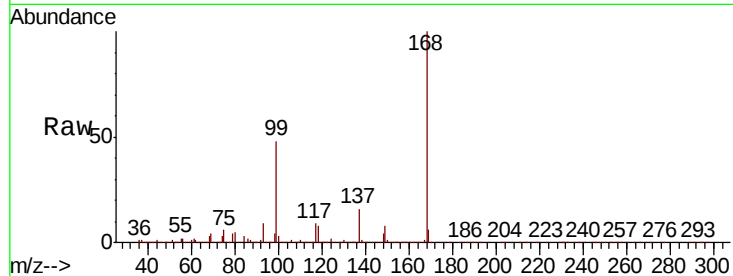


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: VX014456.D
 Acq: 07 Jan 2020 18:31

Instrument :
 MSVOA_X
 ClientSampled :
 IBLK

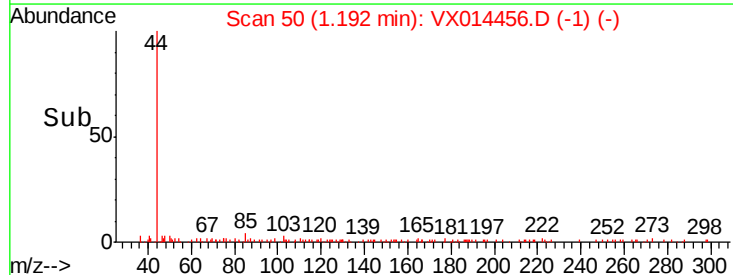
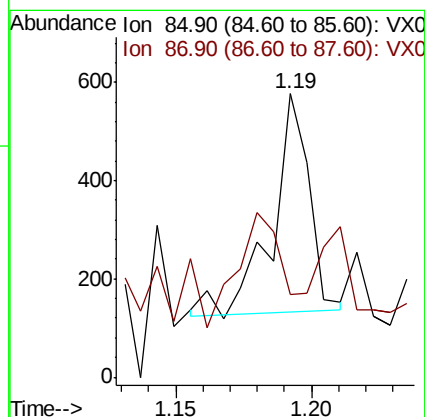
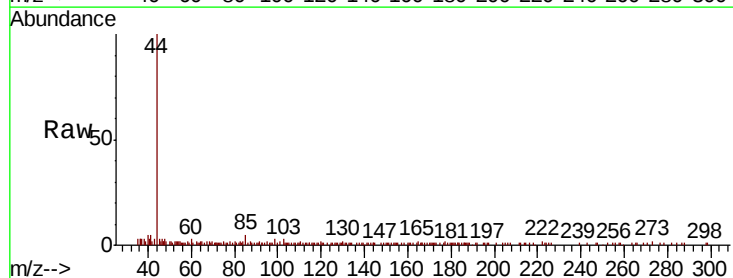
Tot Ion:168 Resp: 549379
 Ion Ratio Lower Upper
 168 100
 99 47.8 39.2 58.8

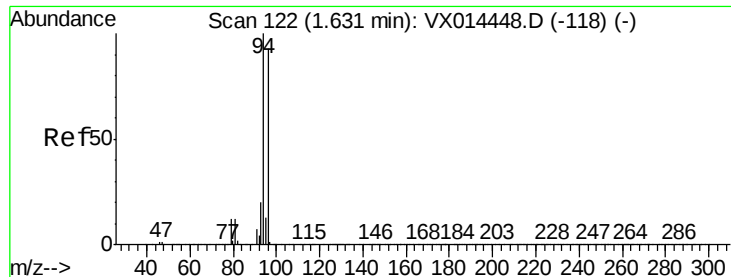


#2

Dichlorodifluoromethane
 Concen: 0.313 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VX014456.D
 Acq: 07 Jan 2020 18:31

Tgt Ion: 85 Resp: 413
 Ion Ratio Lower Upper
 85 100
 87 0.0 16.5 49.5#





#5

Bromomethane

Concen: 0.555 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX014456.D

Acq: 07 Jan 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

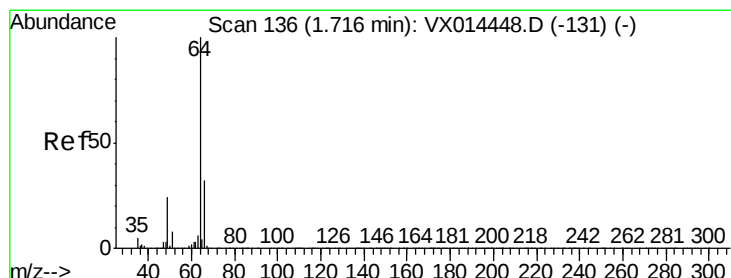
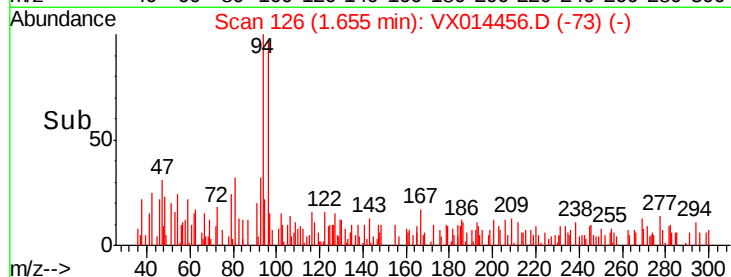
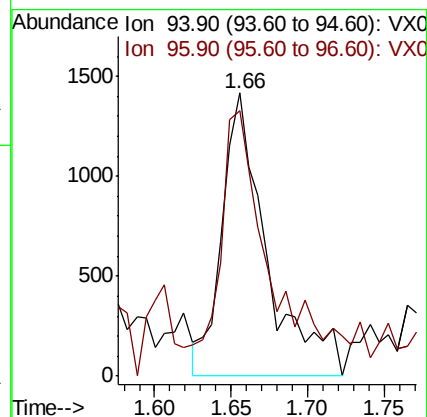
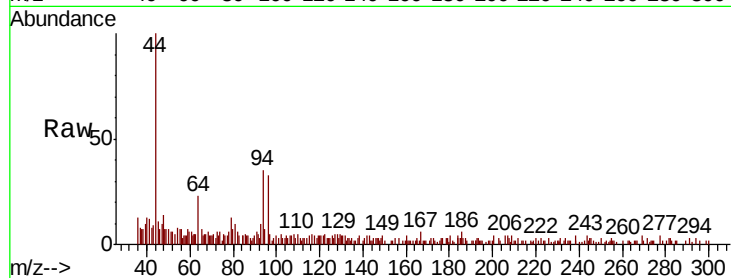
IBLK

Tot Ion: 94 Resp: 2872

Ion Ratio Lower Upper

94 100

96 93.7 74.2 111.2



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX014456.D

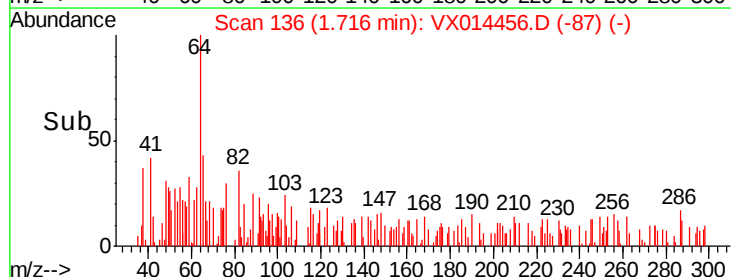
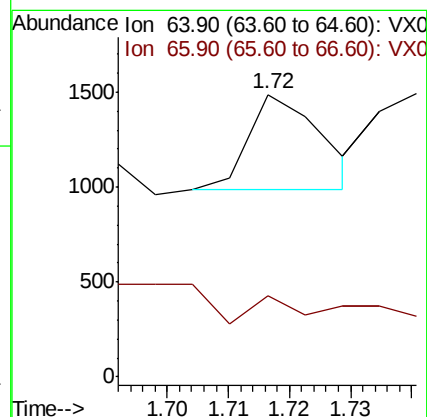
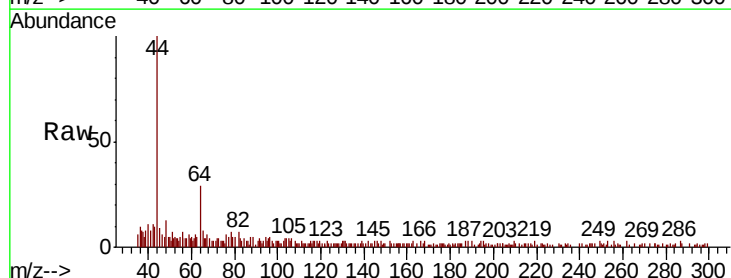
Acq: 07 Jan 2020 18:31

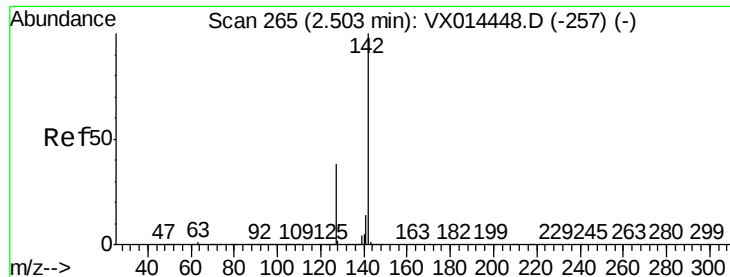
Tgt Ion: 64 Resp: 415

Ion Ratio Lower Upper

64 100

66 10.2 25.3 37.9#

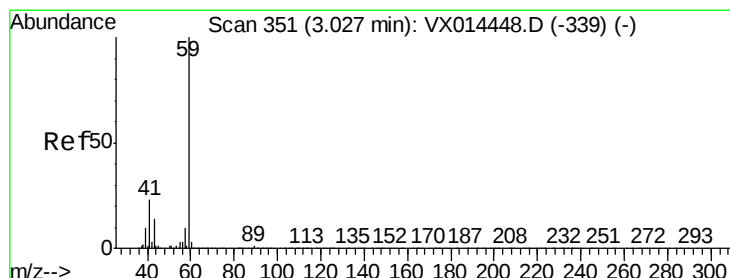
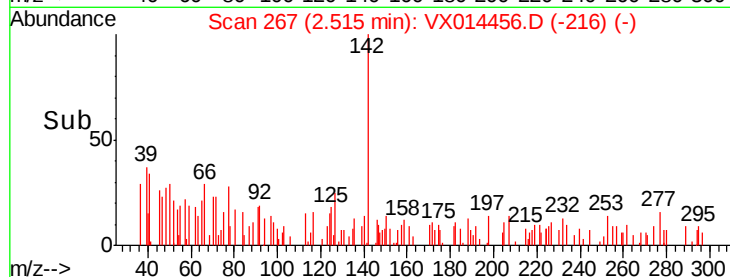
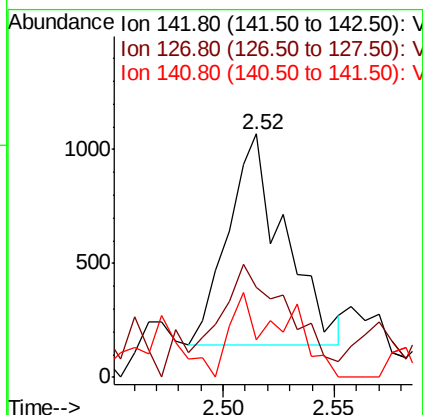
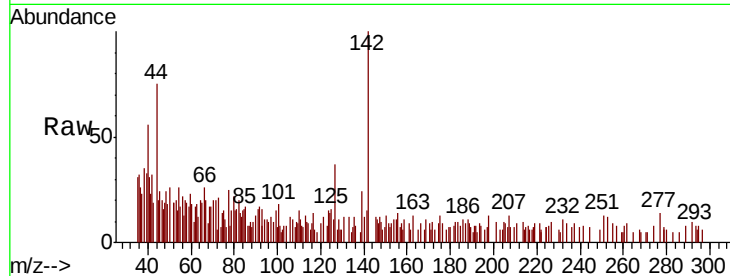




#10
Methvl Iodide
Concen: 0.254 ug/l
RT: 2.52 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX014456.D
Acq: 07 Jan 2020 18:31

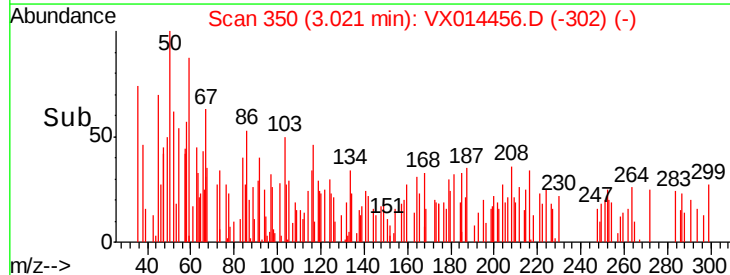
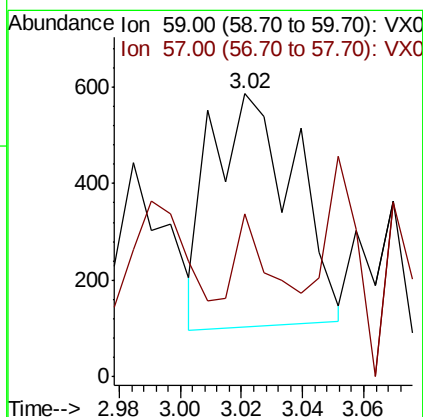
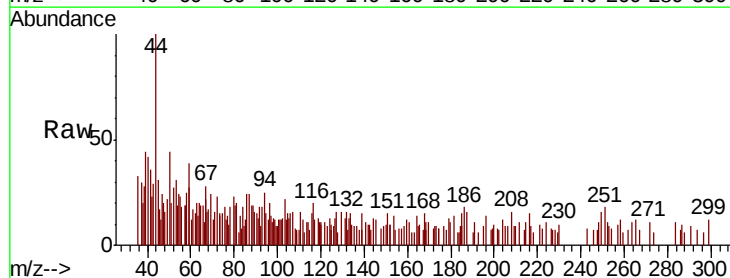
Instrument :
MSVOA_X
ClientSampleId :
IBLK

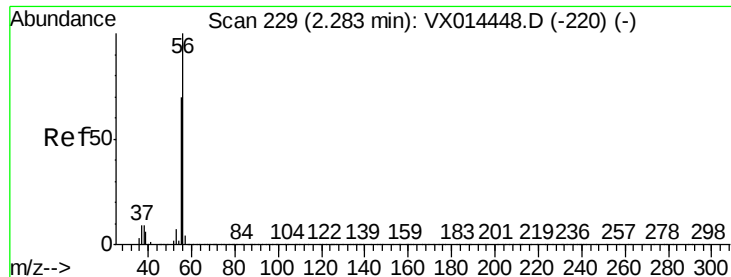
Tot Ion:142 Resp: 1635
Ion Ratio Lower Upper
142 100
127 73.1 31.2 46.8#
141 27.3 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.715 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX014456.D
Acq: 07 Jan 2020 18:31

Tgt Ion: 59 Resp: 916
Ion Ratio Lower Upper
59 100
57 16.2 8.5 12.7#

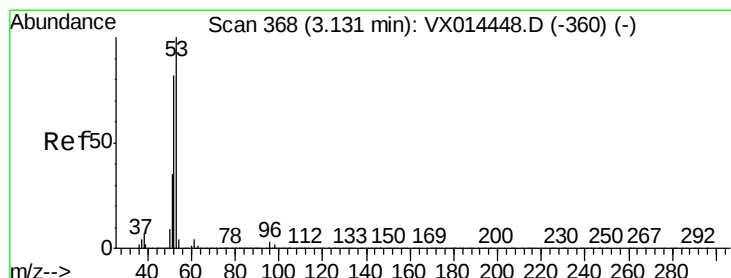
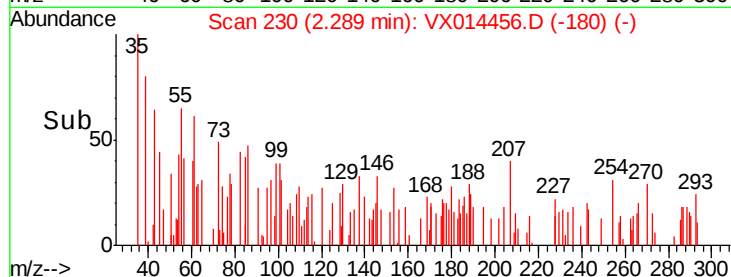
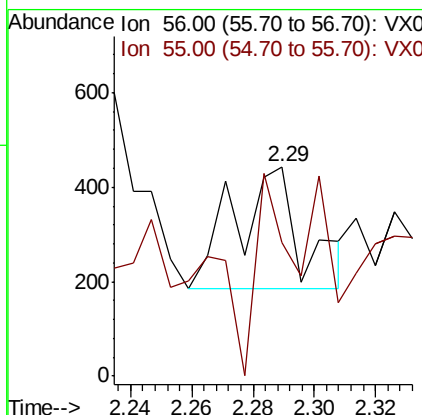
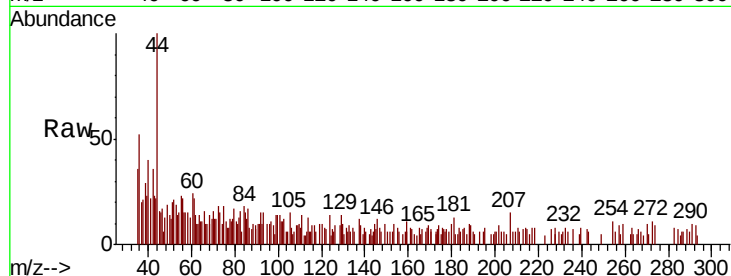




#13
Acrolein
Concen: 0.389 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VX014456.D
Acq: 07 Jan 2020 18:31

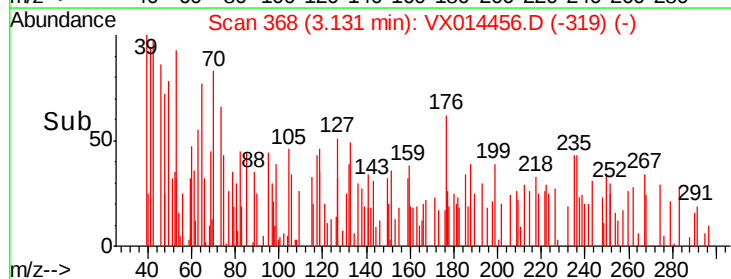
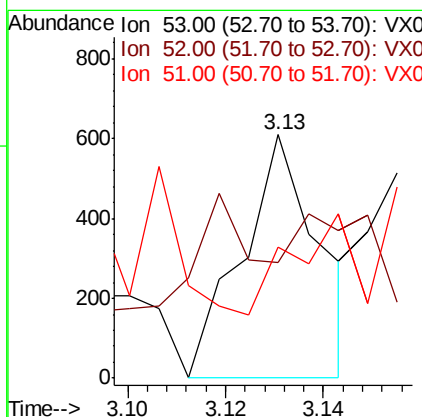
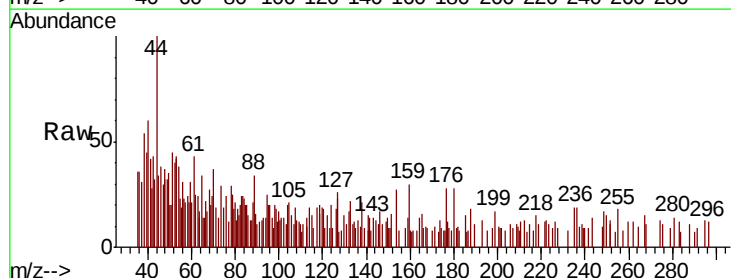
Instrument :
MSVOA_X
ClientSampled :
IBLK

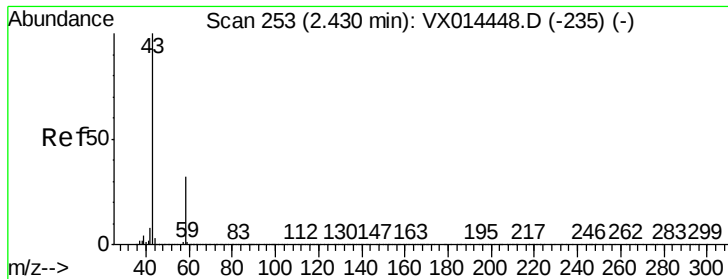
Tot Ion: 56 Resp: 399
Ion Ratio Lower Upper
56 100
55 84.7 55.0 82.6#



#15
Acrylonitrile
Concen: 0.215 ug/l
RT: 3.13 min Scan# 368
Delta R.T. 0.00 min
Lab File: VX014456.D
Acq: 07 Jan 2020 18:31

Tgt Ion: 53 Resp: 664
Ion Ratio Lower Upper
53 100
52 75.5 67.0 100.4
51 33.6 28.5 42.7

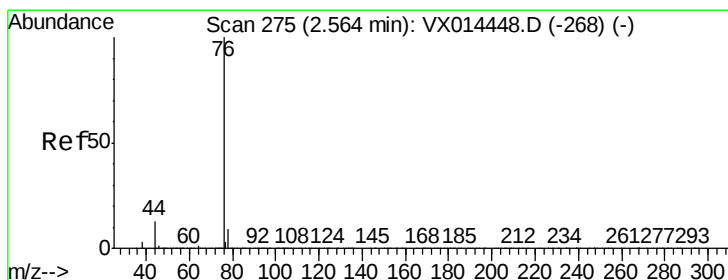
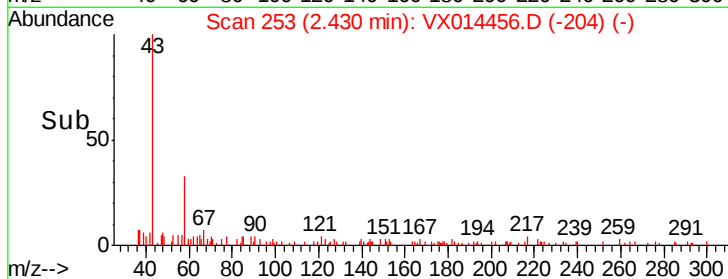
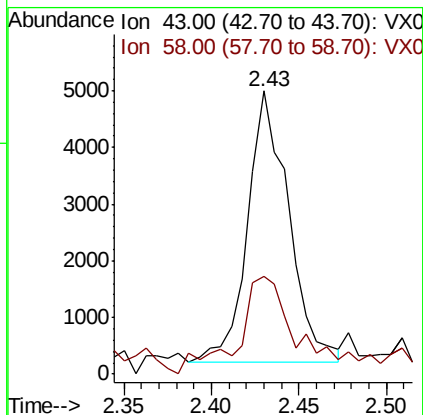
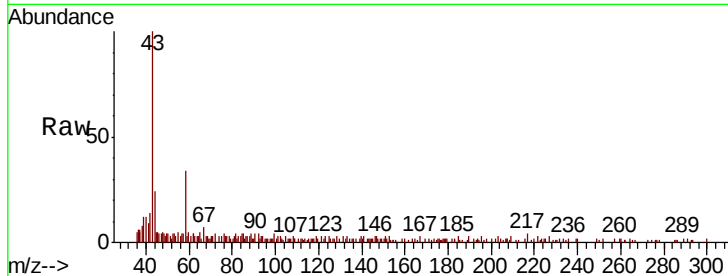




#16
Acetone
Concen: Below Cal
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014456.D
Acq: 07 Jan 2020 18:31

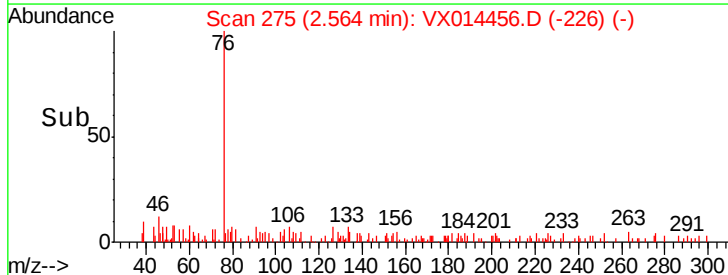
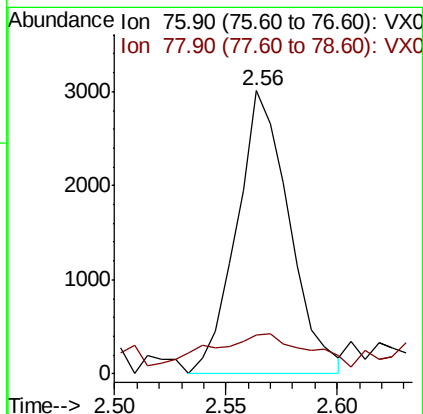
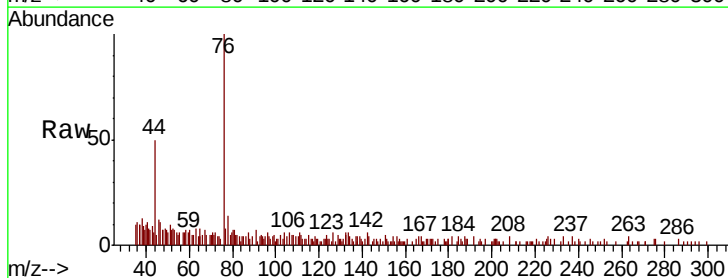
Instrument :
MSVOA_X
ClientSampleId :
IBLK

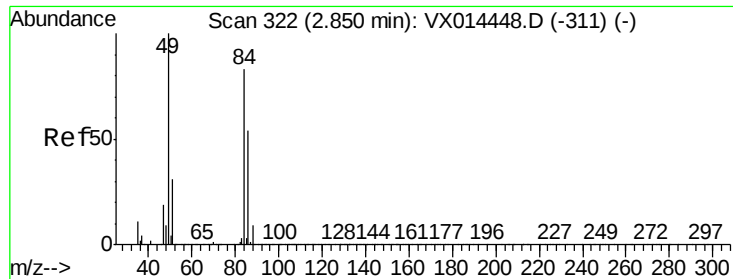
Tot Ion: 43 Resp: 7819
Ion Ratio Lower Upper
43 100
58 30.8 25.4 38.0



#17
Carbon Disulfide
Concen: 0.327 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.00 min
Lab File: VX014456.D
Acq: 07 Jan 2020 18:31

Tgt Ion: 76 Resp: 4952
Ion Ratio Lower Upper
76 100
78 7.1 7.4 11.2#

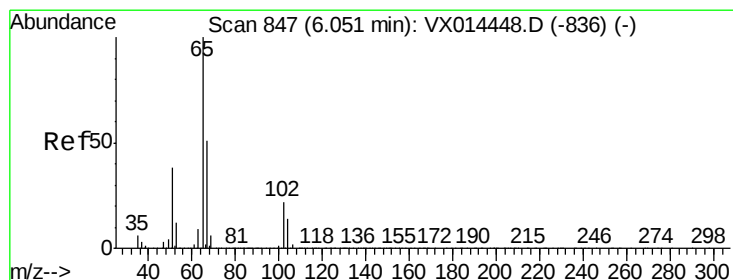
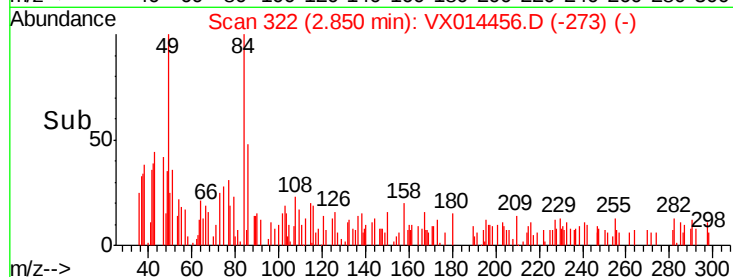
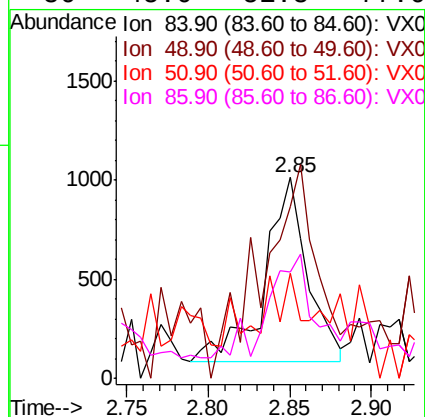
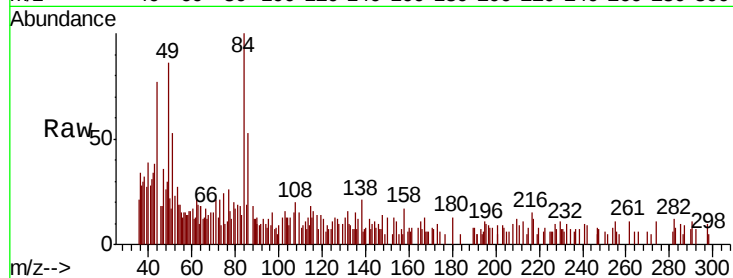




#20
Methvlene Chloride
Concen: 0.277 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014456.D
Acq: 07 Jan 2020 18:31

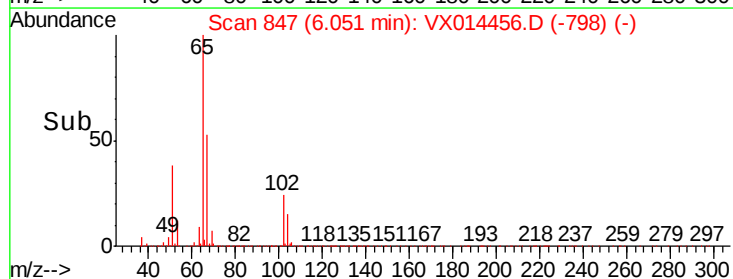
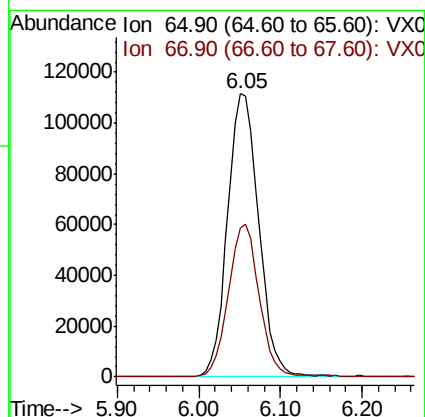
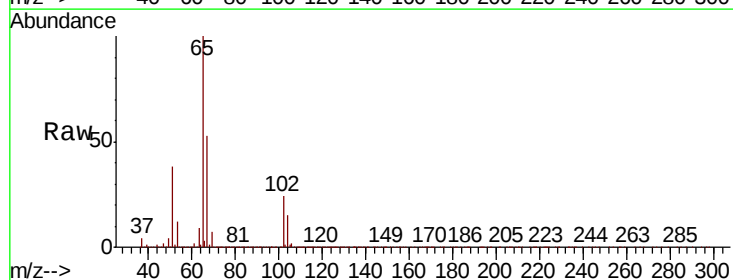
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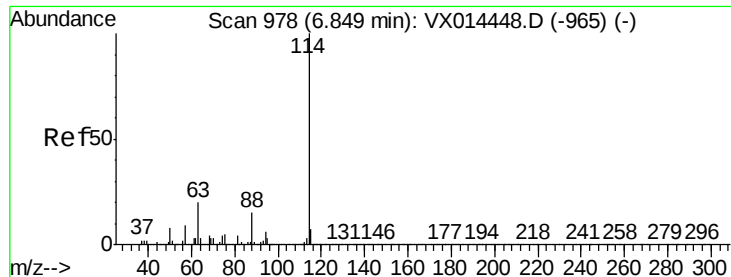
Tot Ion: 84 Resp: 1706
Ion Ratio Lower Upper
84 100
49 70.0 95.8 143.8#
51 23.3 30.2 45.4#
86 45.0 51.8 77.6#



#33
1,2-Dichloroethane-d4
Concen: 47.789 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014456.D
Acq: 07 Jan 2020 18:31

Tgt Ion: 65 Resp: 293088
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014456.D

Acq: 07 Jan 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

IBLK

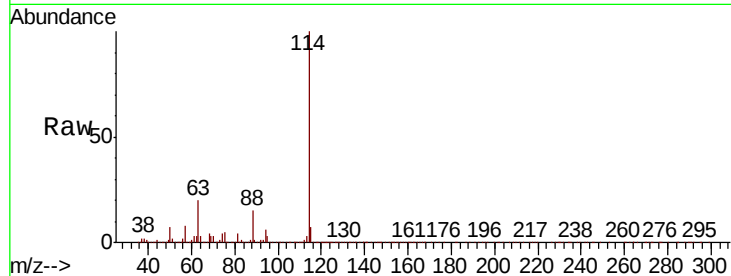
Tot Ion:114 Resp: 835665

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.6

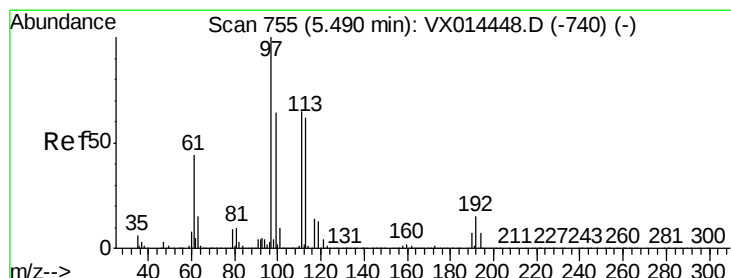
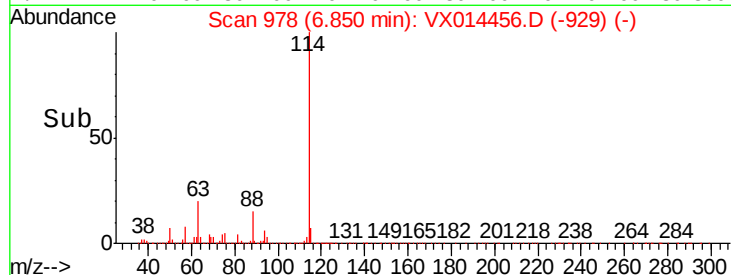
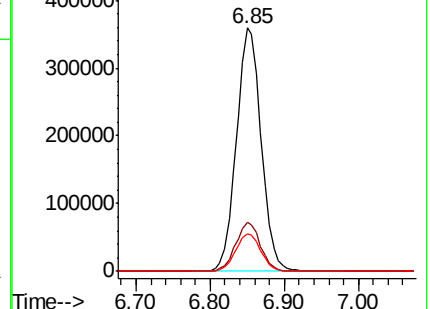
88 15.4 0.0 30.8



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: 48.369 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014456.D

Acq: 07 Jan 2020 18:31

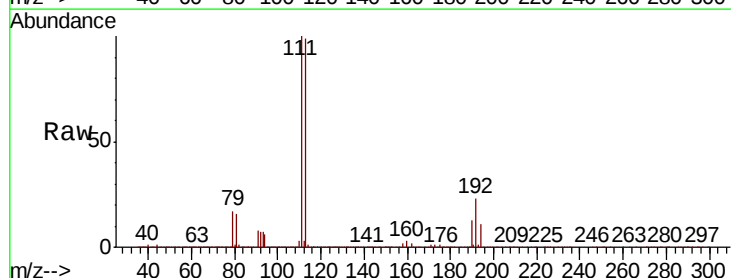
Tgt Ion:113 Resp: 244684

Ion Ratio Lower Upper

113 100

111 103.8 81.5 122.3

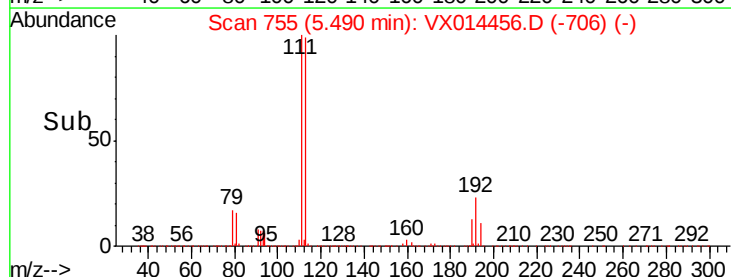
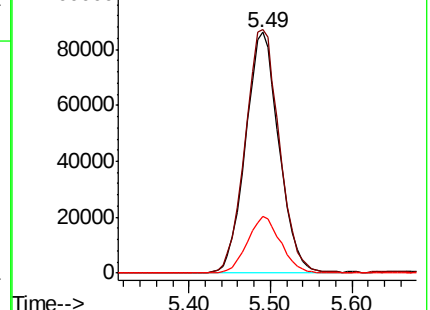
192 23.7 19.2 28.8

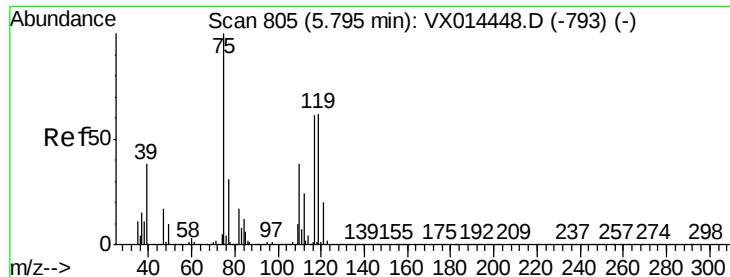


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.562 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX014456.D

Acq: 07 Jan 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

IBLK

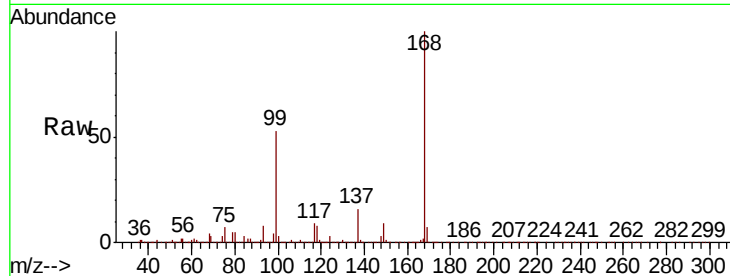
Tot Ion: 75 Resp: 35854

Ion Ratio Lower Upper

75 100

110 8.6 18.6 55.8#

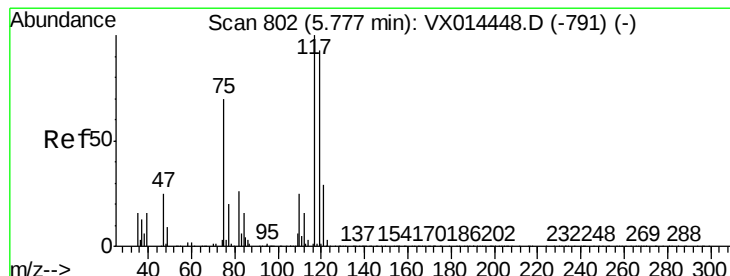
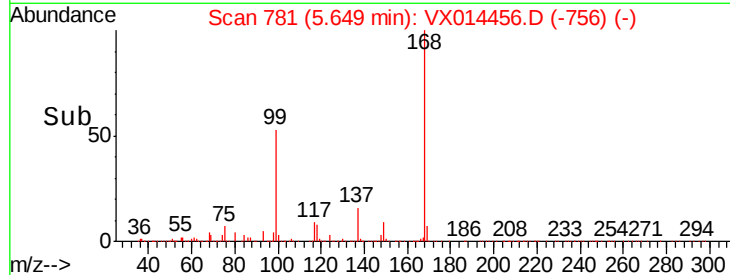
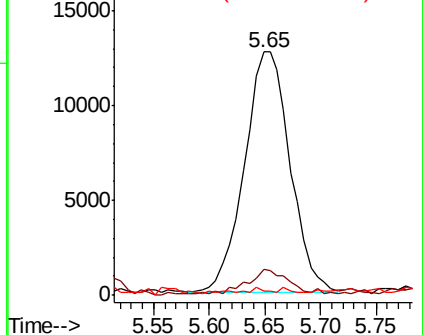
77 1.2 24.5 36.7#



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: 6.734 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014456.D

Acq: 07 Jan 2020 18:31

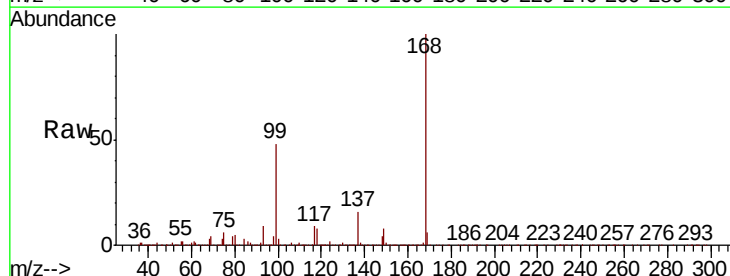
Tgt Ion: 117 Resp: 48699

Ion Ratio Lower Upper

117 100

119 4.5 73.8 110.8#

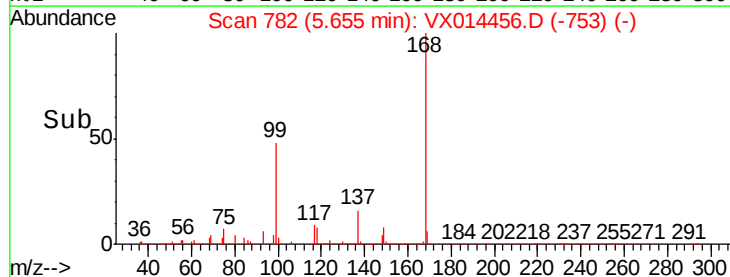
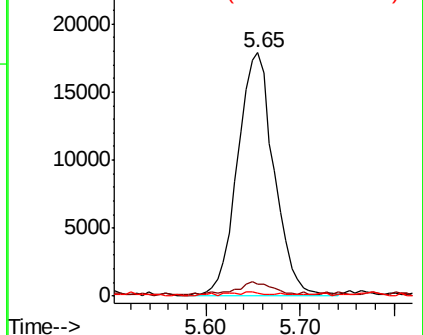
121 1.3 23.4 35.0#

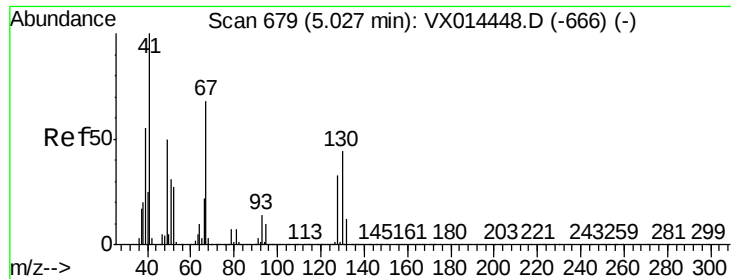


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

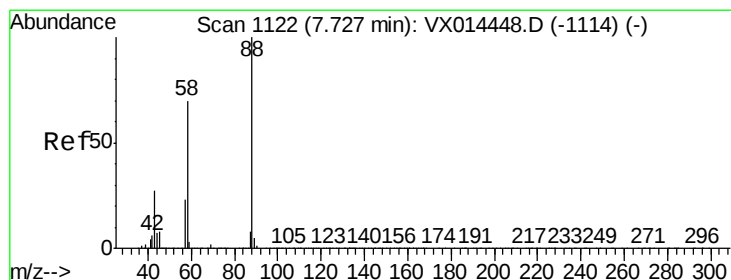
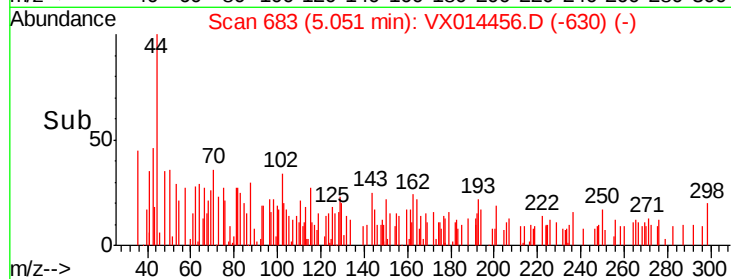
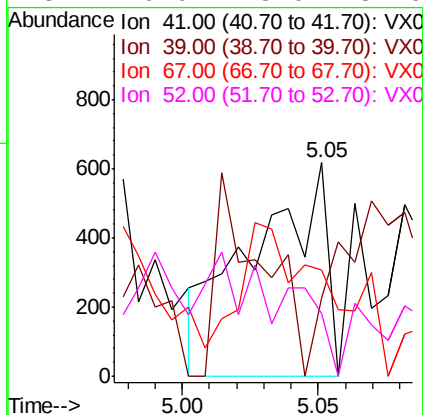
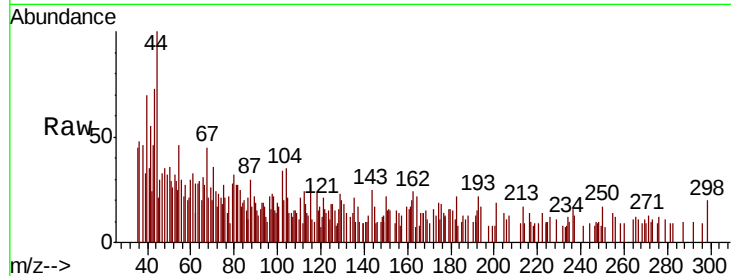




#41
Methacrylonitrile
Concen: 0.254 ug/l
RT: 5.05 min Scan# 683
Delta R.T. 0.02 min
Lab File: VX014456.D
Acq: 07 Jan 2020 18:31

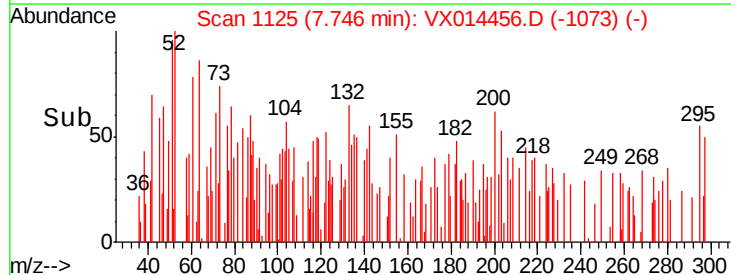
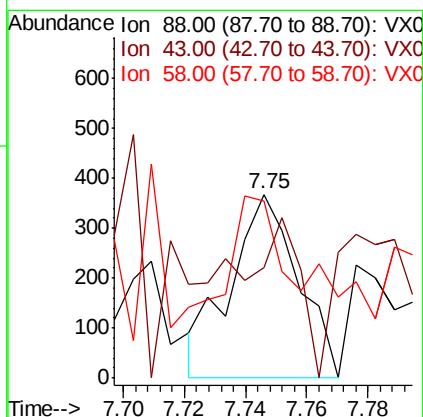
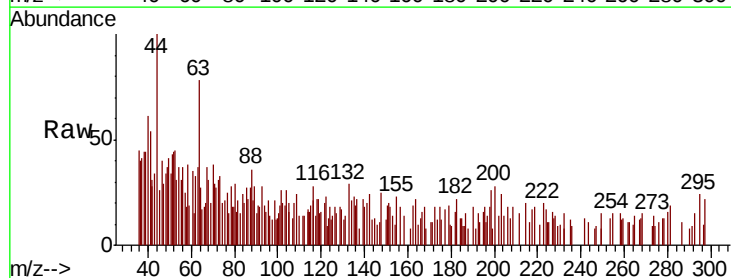
Instrument :
MSVOA_X
ClientSampled :
IBLK

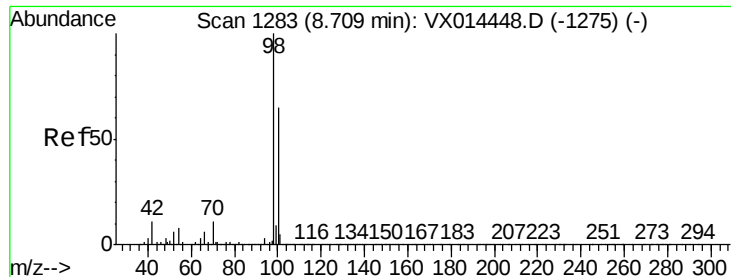
Tot Ion:	41	Resp:	1158
Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.6	65.4#
67	0.0	57.9	86.9#
52	0.0	23.0	34.6#



#49
1,4-Dioxane
Concen: 4.030 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. 0.02 min
Lab File: VX014456.D
Acq: 07 Jan 2020 18:31

Tgt Ion:	88	Resp:	564
Ion	Ratio	Lower	Upper
88	100		
43	49.1	27.4	41.0#
58	50.2	57.1	85.7#





#50

Toluene-d8

Concen: 50.491 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014456.D

Acq: 07 Jan 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

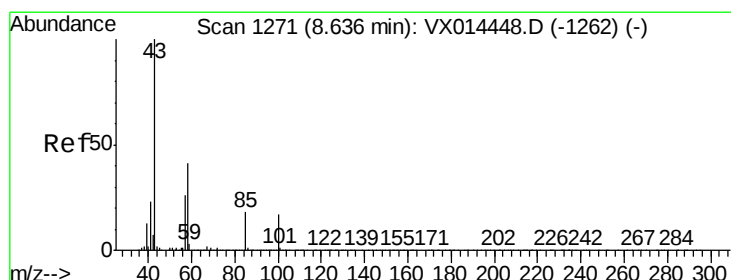
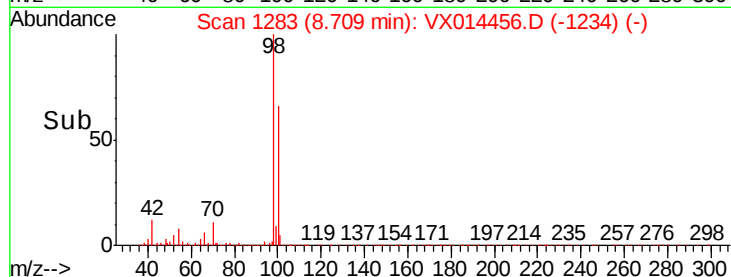
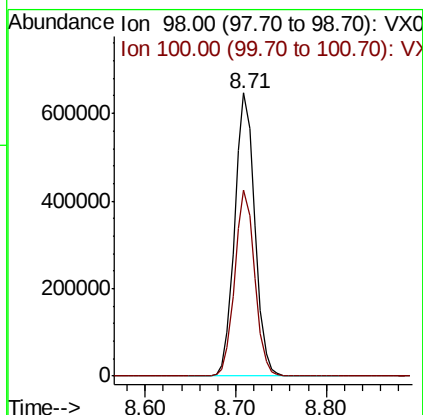
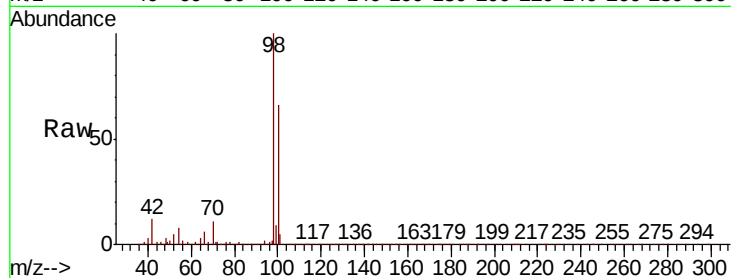
IBLK

Tot Ion: 98 Resp: 991176

Ion Ratio Lower Upper

98 100

100 65.3 53.2 79.8



#51

4-Methyl-2-Pentanone

Concen: 0.246 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014456.D

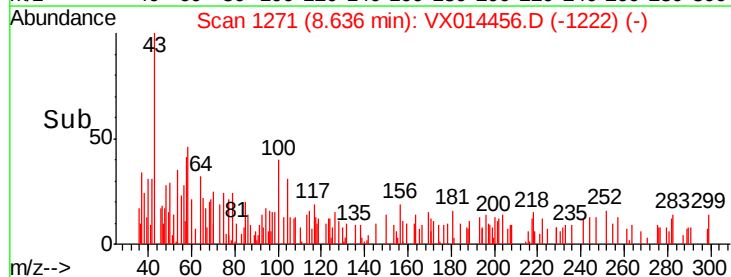
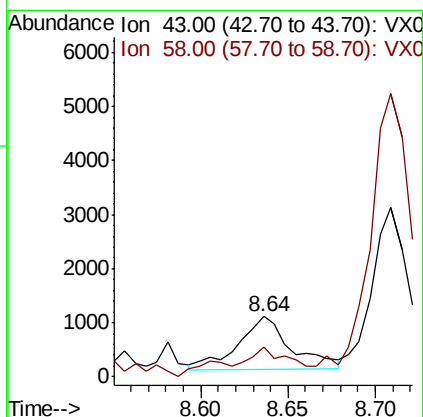
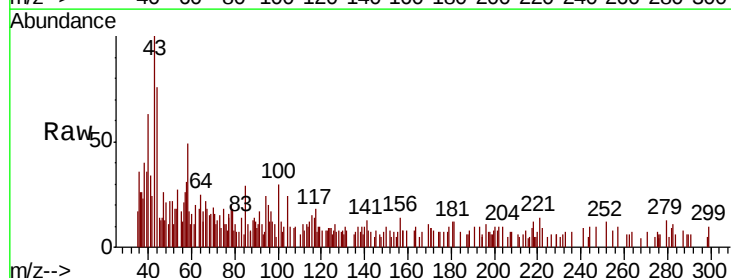
Acq: 07 Jan 2020 18:31

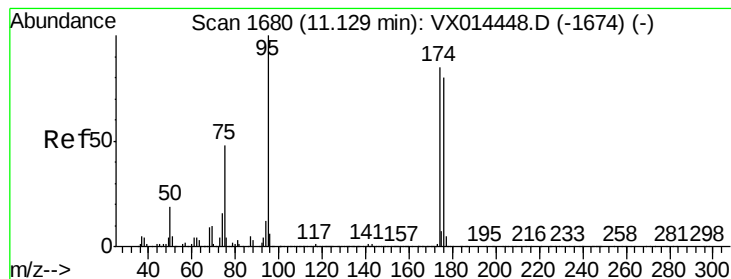
Tgt Ion: 43 Resp: 2071

Ion Ratio Lower Upper

43 100

58 43.0 32.4 48.6





#62

4-Bromofluorobenzene

Concen: 49.021 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX014456.D

Acq: 07 Jan 2020 18:31

Instrument :

MSVOA_X

ClientSampled :

IBLK

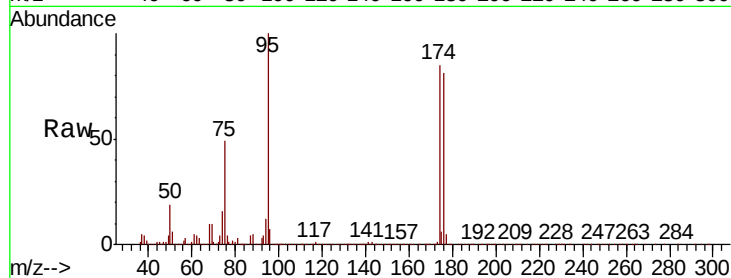
Tot Ion: 95 Resp: 353282

Ion Ratio Lower Upper

95 100

174 92.6 0.0 180.8

176 88.8 0.0 172.8

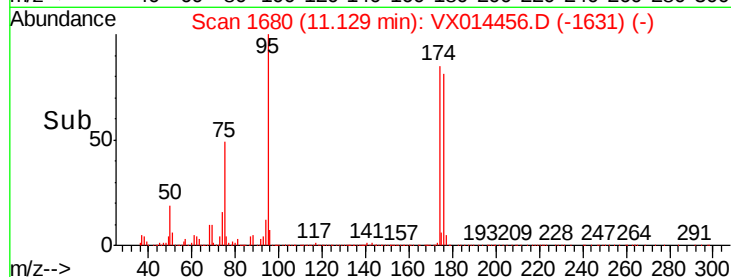


Abundance Ion 94.90 (94.60 to 95.60): VX014448.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX014448.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX014448.D (-1674) (-)

Time-->

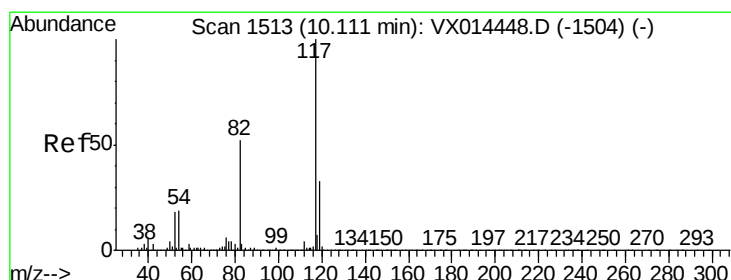


Abundance Ion 94.90 (94.60 to 95.60): VX014456.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX014456.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX014456.D (-1631) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX014456.D

Acq: 07 Jan 2020 18:31

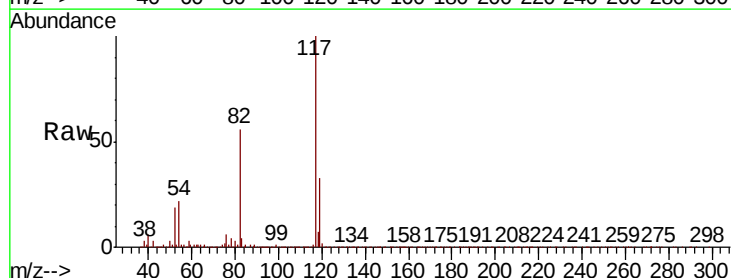
Tgt Ion: 117 Resp: 764048

Ion Ratio Lower Upper

117 100

82 55.9 41.8 62.6

119 32.7 26.2 39.4

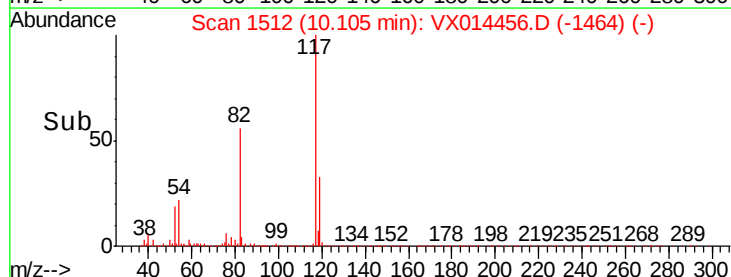


Abundance Ion 116.90 (116.60 to 117.60): VX014448.D (-1504) (-)

Ion 82.00 (81.70 to 82.70): VX014448.D (-1504) (-)

Ion 118.90 (118.60 to 119.60): VX014448.D (-1504) (-)

Time-->

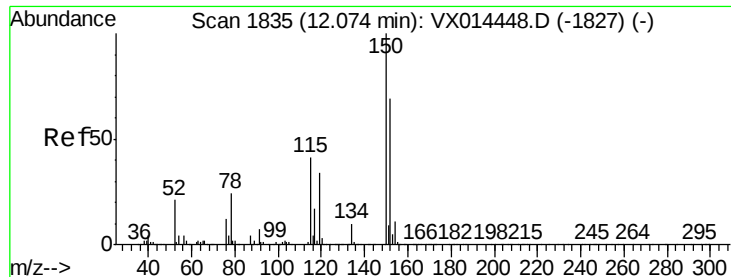


Abundance Ion 116.90 (116.60 to 117.60): VX014456.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX014456.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX014456.D (-1464) (-)

Time-->

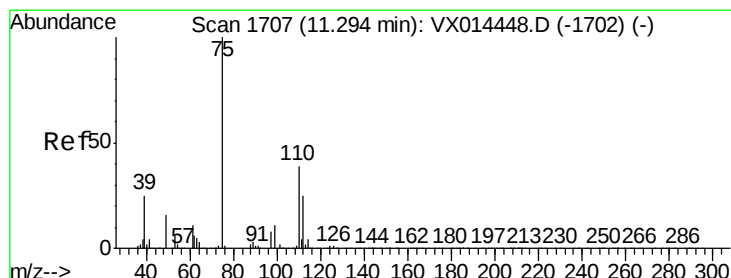
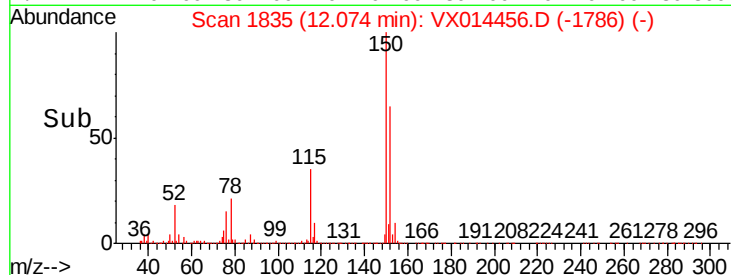
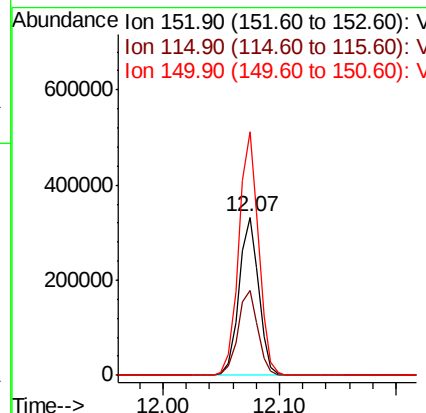
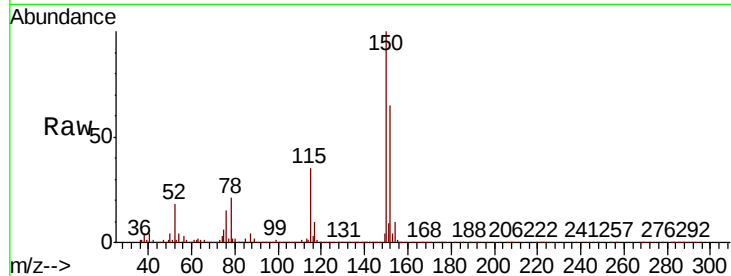


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014456.D
Acq: 07 Jan 2020 18:31

Instrument :
MSVOA_X
ClientSampleId :
IBLK

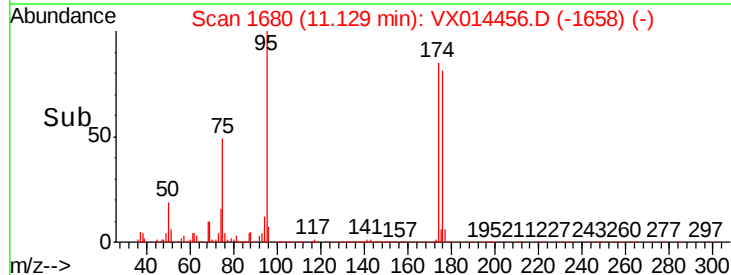
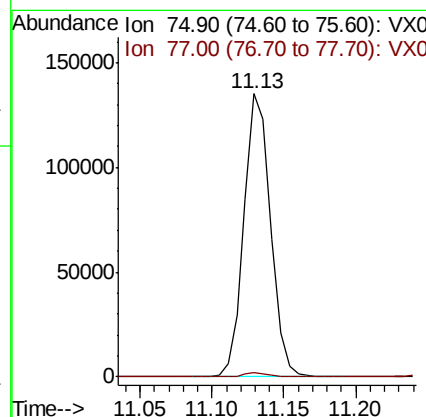
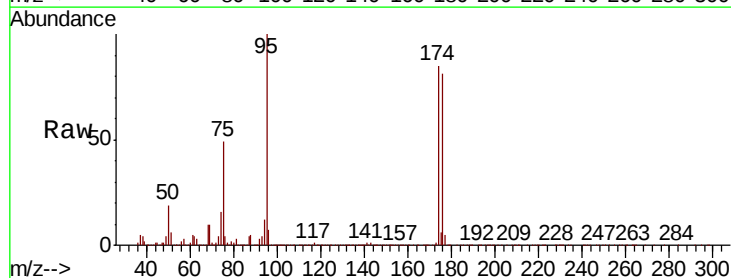
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.2	39.5	118.3
150	154.2	0.0	350.2

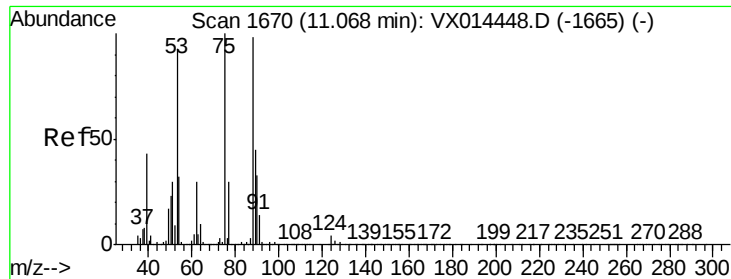


#76

1,2,3-Trichloropropane
Concen: 21.298 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014456.D
Acq: 07 Jan 2020 18:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	21.9	65.7#

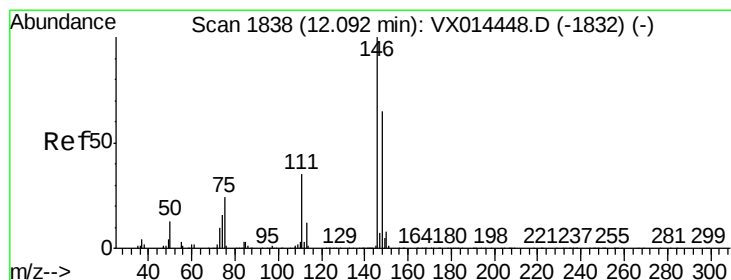
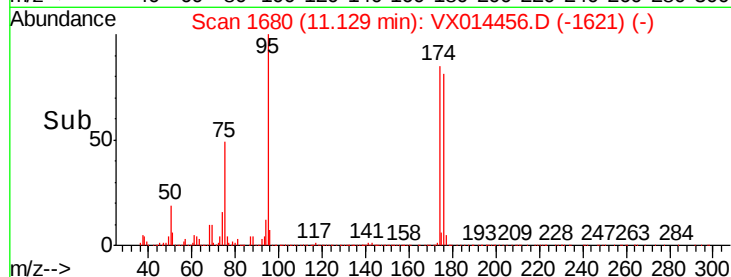
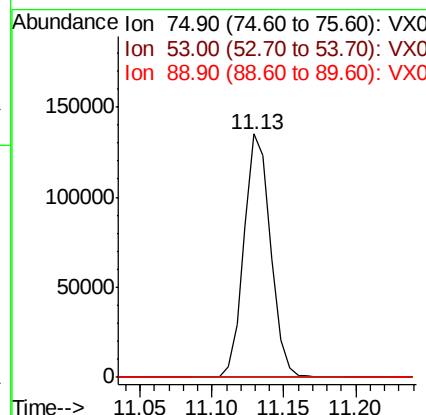
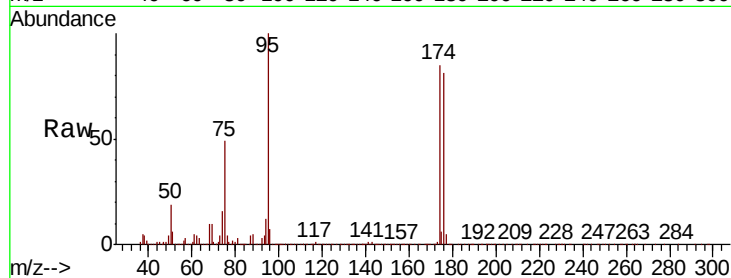




#81
trans-1,4-Dichloro-2-butene
Concen: 56.309 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014456.D
Acq: 07 Jan 2020 18:31

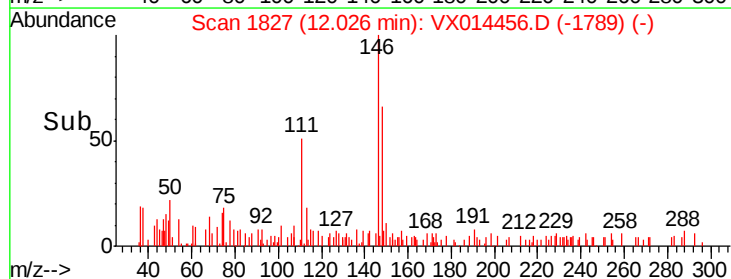
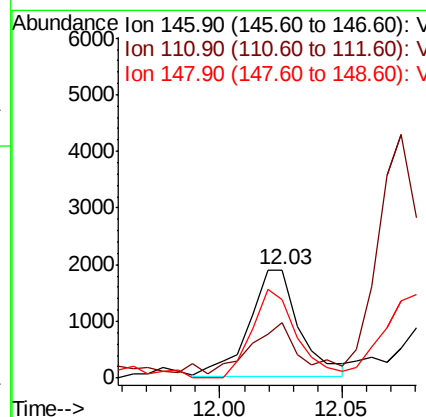
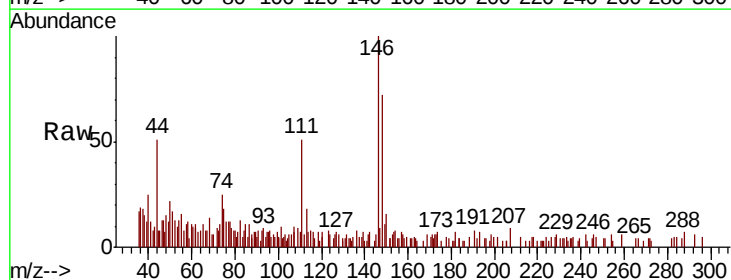
Instrument :
MSVOA_X
ClientSampleId :
IBLK

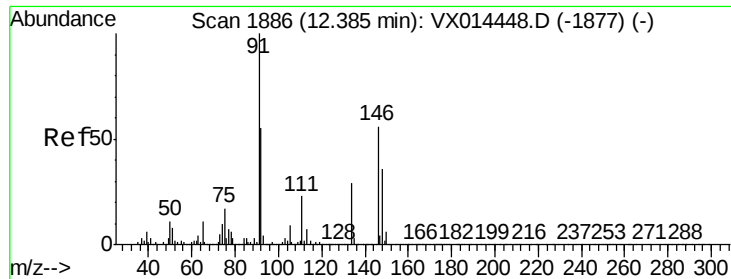
Tot Ion: 75 Resp: 172636
Ion Ratio Lower Upper
75 100
53 0.2 74.8 112.2#
89 0.2 36.3 54.5#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 12.03 min Scan# 1827
Delta R.T. -0.07 min
Lab File: VX014456.D
Acq: 07 Jan 2020 18:31

Tgt Ion:146 Resp: 2696
Ion Ratio Lower Upper
146 100
111 44.1 18.1 54.1
148 74.4 32.1 96.3





#89

n-Butylbenzene

Concen: 0.213 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014456.D

Acq: 07 Jan 2020 18:31

Instrument :

MSVOA_X

ClientSampled :

IBLK

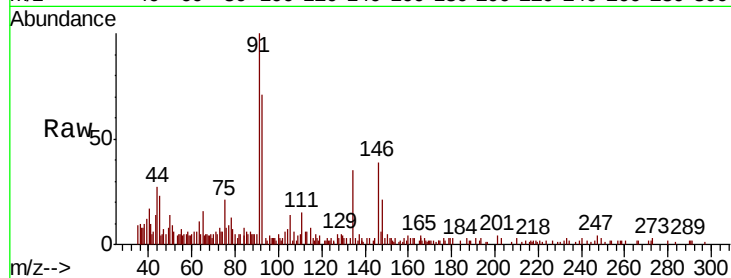
Tot Ion: 91 Resp: 4856

Ion Ratio Lower Upper

91 100

92 70.2 27.4 82.2

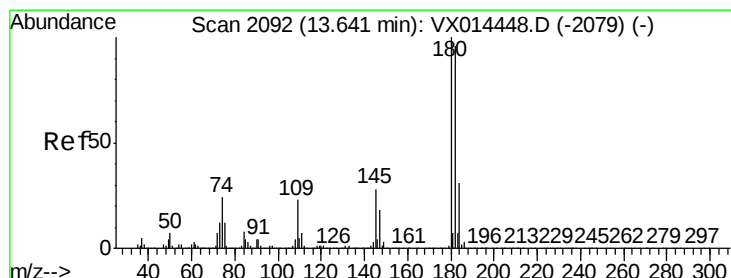
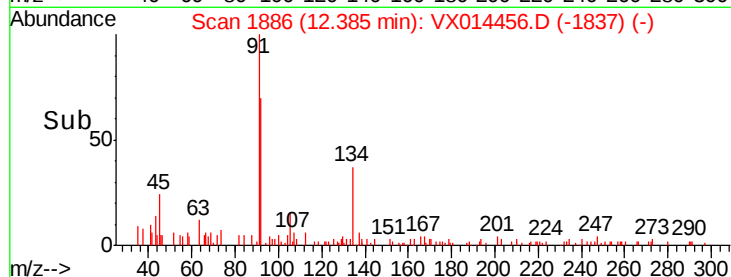
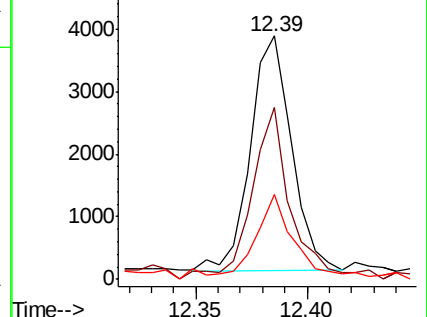
134 35.3 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VX014448.D (-1877) (-)

Ion 92.00 (91.70 to 92.70): VX014448.D (-1877) (-)

Ion 134.00 (133.70 to 134.70): VX014448.D (-1877) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.327 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX014456.D

Acq: 07 Jan 2020 18:31

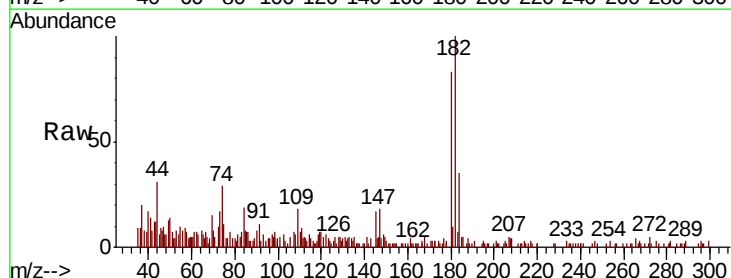
Tgt Ion: 180 Resp: 4133

Ion Ratio Lower Upper

180 100

182 92.0 47.5 142.5

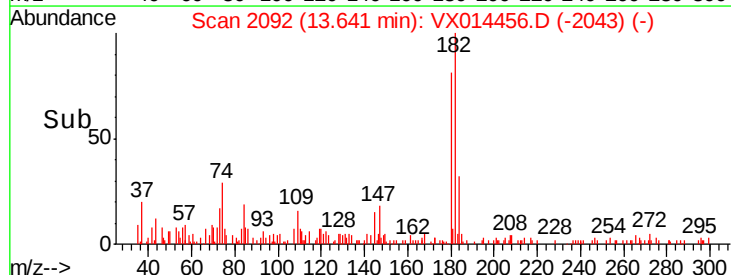
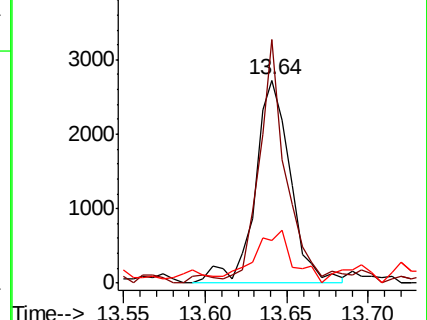
145 29.0 13.9 41.6

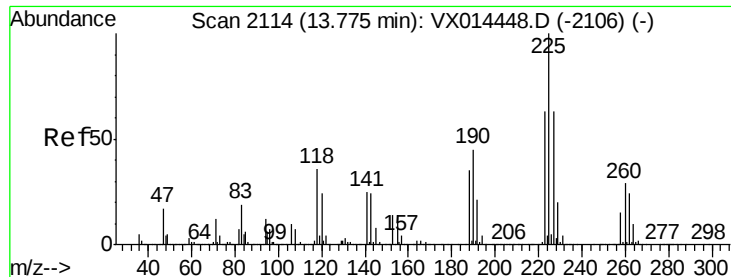


Abundance Ion 179.80 (179.50 to 180.50): VX014448.D (-2079) (-)

Ion 181.80 (181.50 to 182.50): VX014448.D (-2079) (-)

Ion 144.80 (144.50 to 145.50): VX014448.D (-2079) (-)





#94

Hexachlorobutadiene

Concen: 0.398 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VX014456.D

Acq: 07 Jan 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

IBLK

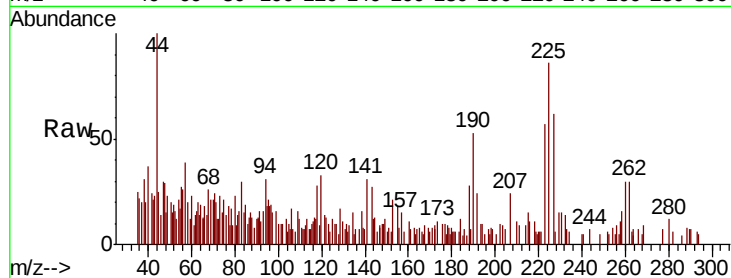
Tot Ion:225 Resp: 1484

Ion Ratio Lower Upper

225 100

223 61.4 31.1 93.2

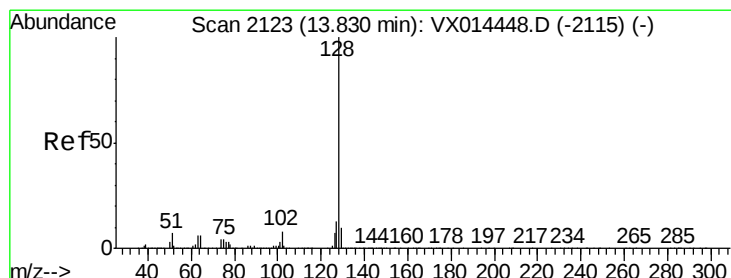
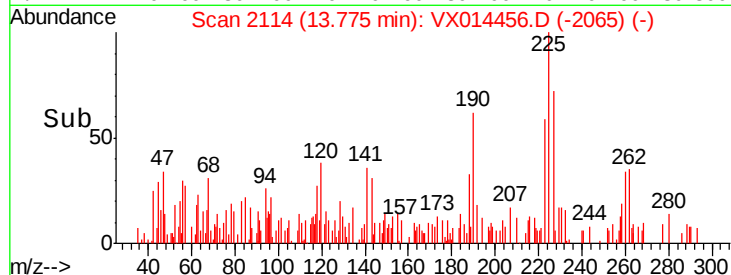
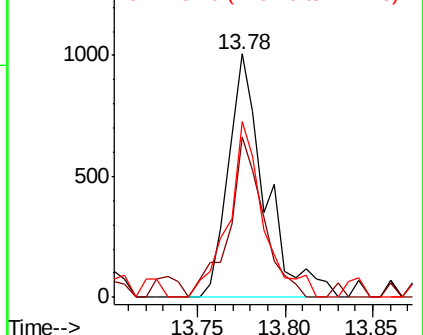
227 68.1 31.4 94.2



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.241 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014456.D

Acq: 07 Jan 2020 18:31

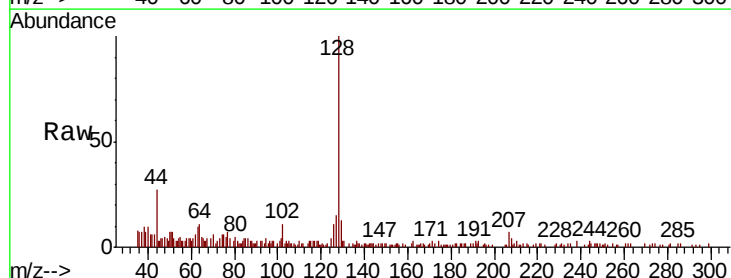
Tgt Ion:128 Resp: 7036

Ion Ratio Lower Upper

128 100

127 21.8 10.3 15.5#

129 17.2 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

