

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120919\
 Data File : VY000913.D
 Acq On : 09 Dec 2019 13:59
 Operator : SY/MD
 Sample : K6197-01
 Misc : 5.24G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 10 06:25:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	257923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	483219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	435434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	195743	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	143883	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	
35) Dibromofluoromethane	7.72	113	142986	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
50) Toluene-d8	10.18	98	571203	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.48	95	196084	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	

Target Compounds

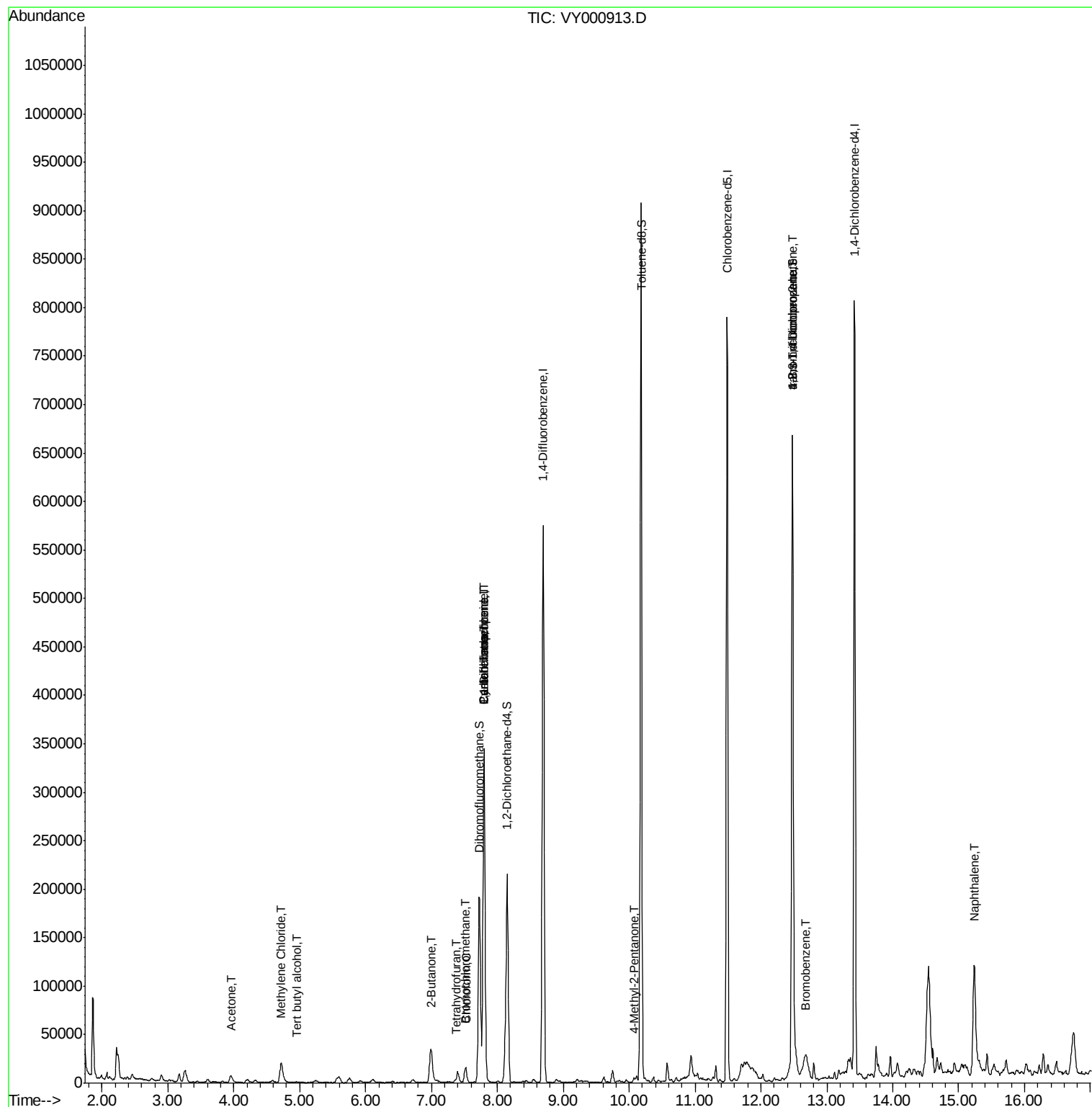
					Qvalue	
5) Bromomethane	2.66	94	153	Below Cal	#	62
11) Tert butyl alcohol	4.95	59	1405	5.096	ug/l #	74
16) Acetone	3.96	43	12372	19.679	ug/l	96
20) Methylene Chloride	4.71	84	15010	4.529	ug/l	88
25) 2-Butanone	7.00	43	4782	4.118	ug/l #	58
28) Bromochloromethane	7.51	49	1239	2.606	ug/l #	15
29) Tetrahydrofuran	7.36	42	1066	1.385	ug/l #	81
30) Chloroform	7.52	83	14837	2.693	ug/l #	81
31) Cyclohexane	7.80	56	5835	1.003	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	21087	4.389	ug/l #	50
38) Carbon Tetrachloride	7.80	117	26160	6.114	ug/l #	15
51) 4-Methyl-2-Pentanone	10.07	43	3177	1.176	ug/l	98
76) 1,2,3-Trichloropropane	12.48	75	102830	46.367	ug/l #	100
77) Bromobenzene	12.67	156	31014	9.180	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	102830	91.078	ug/l #	18
95) Naphthalene	15.23	128	37802	4.036	ug/l #	93

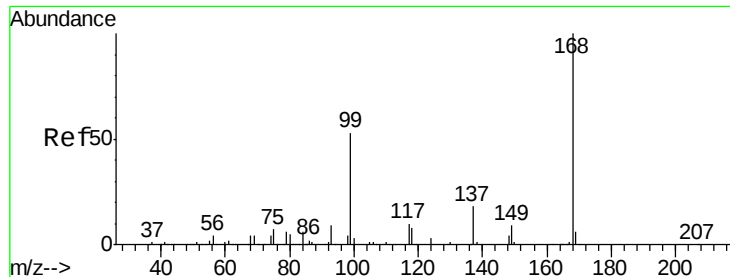
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000913.D

Acq: 09 Dec 2019 13:59

Instrument :

MSVOA_Y

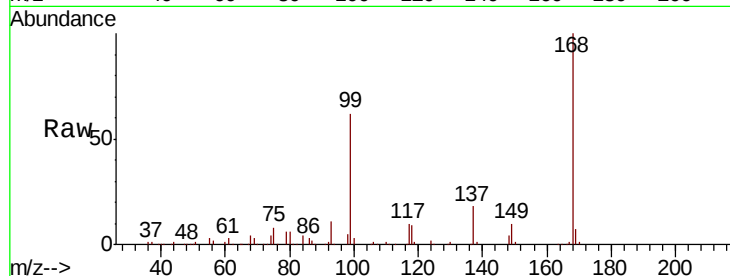
ClientSampled :

Tot Ion:168 Resp: 257923

Ion Ratio Lower Upper

168 100

99 61.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000913.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000913.D (-946) (-)

7.80

120000

100000

80000

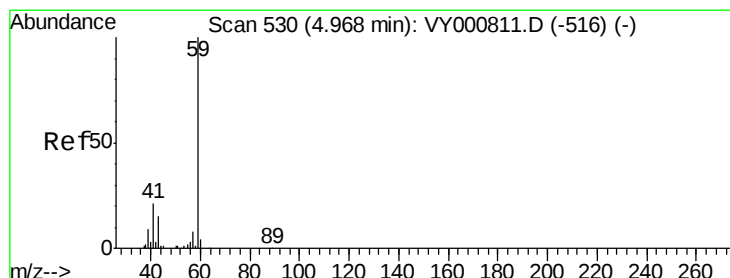
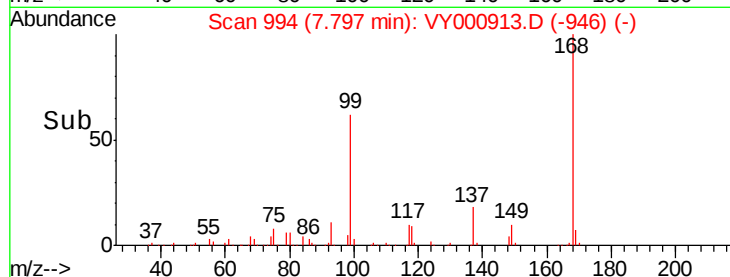
60000

40000

20000

0

Time--> 7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: 5.096 ug/l

RT: 4.95 min Scan# 527

Delta R.T. -0.02 min

Lab File: VY000913.D

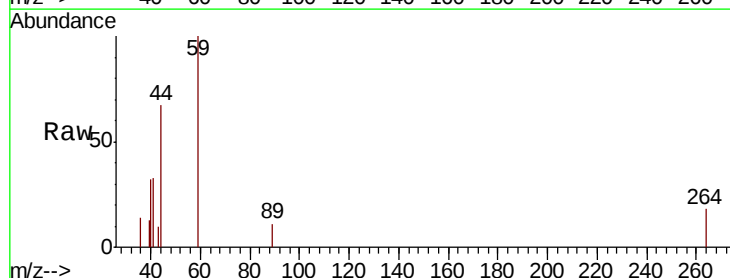
Acq: 09 Dec 2019 13:59

Tgt Ion: 59 Resp: 1405

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY000913.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY000913.D (-481) (-)

4.95

600

500

400

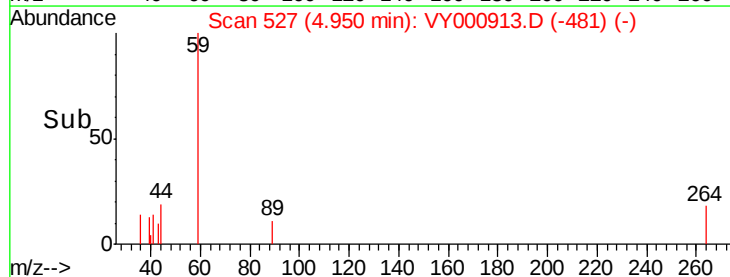
300

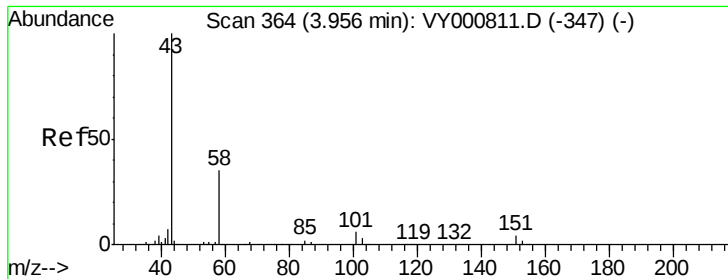
200

100

0

Time--> 4.90 4.95 5.00





#16

Acetone

Concen: 19.679 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000913.D

Acq: 09 Dec 2019 13:59

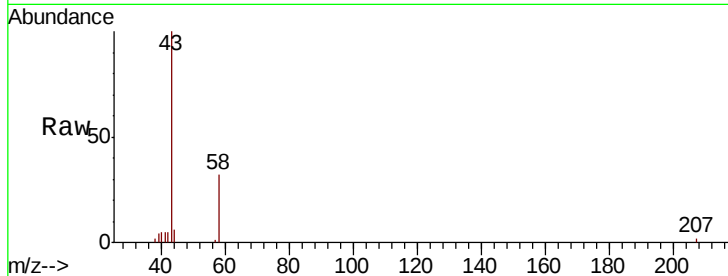
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 12372

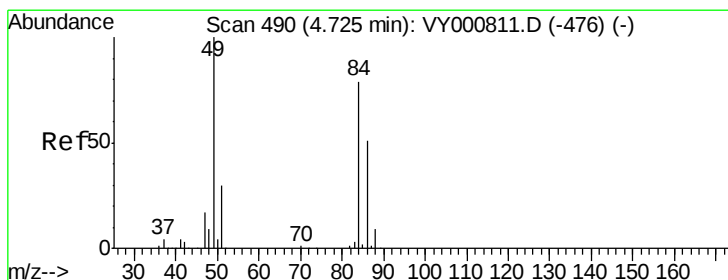
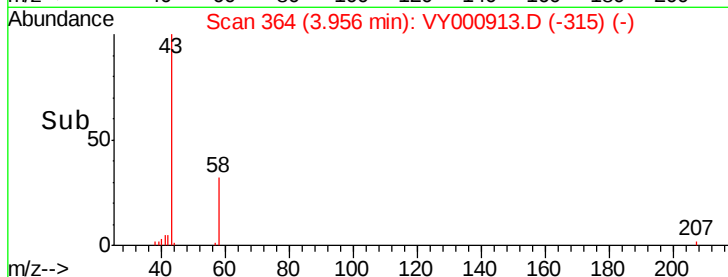
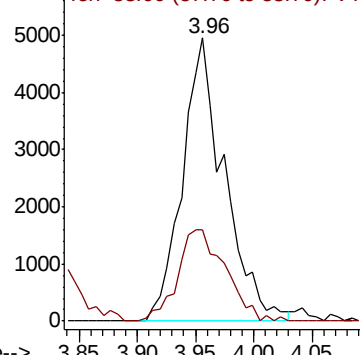
Ion Ratio Lower Upper

43 100

58 32.4 28.0 42.0



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 4.529 ug/l

RT: 4.71 min Scan# 488

Delta R.T. -0.01 min

Lab File: VY000913.D

Acq: 09 Dec 2019 13:59

Tgt Ion: 84 Resp: 15010

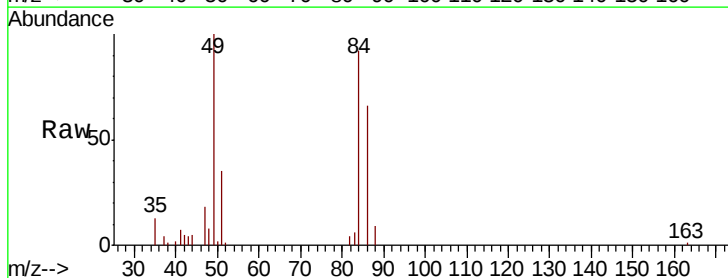
Ion Ratio Lower Upper

84 100

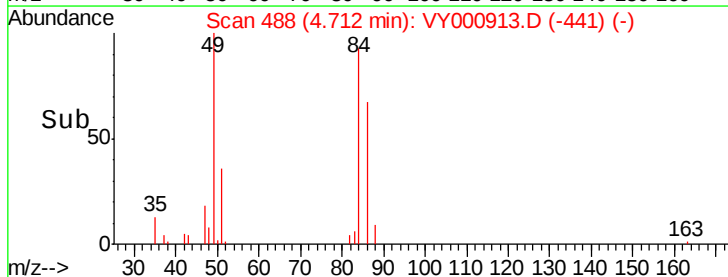
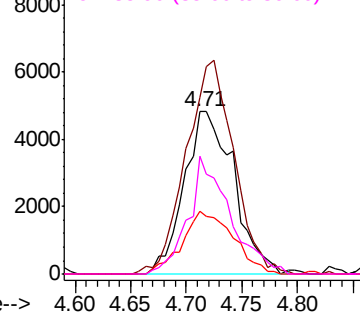
49 107.1 101.3 151.9

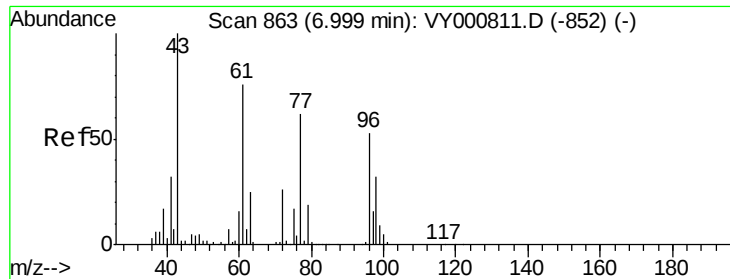
51 38.5 30.6 45.8

86 72.4 51.3 76.9



Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

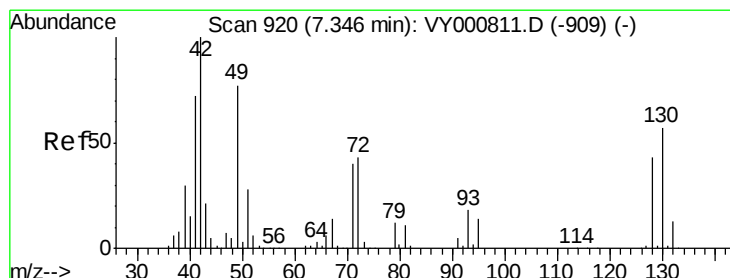
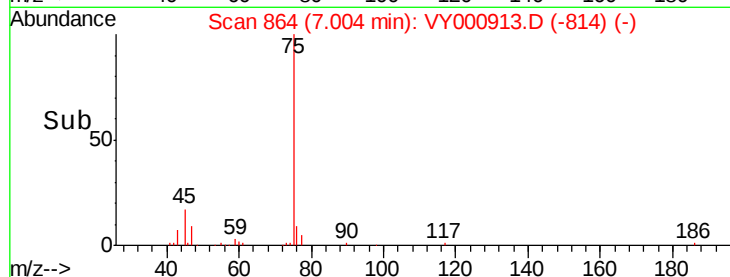
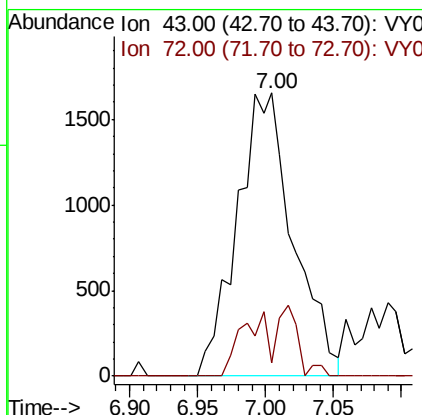
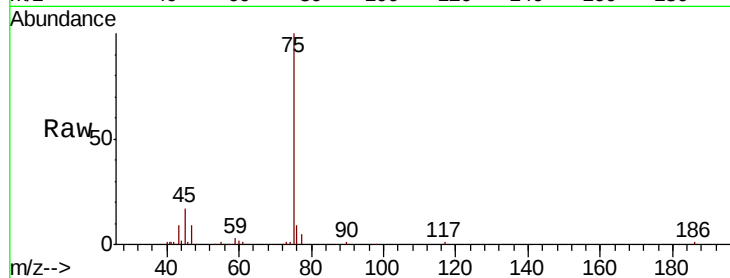




#25
2-Butanone
Concen: 4.118 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY000913.D
Acq: 09 Dec 2019 13:59

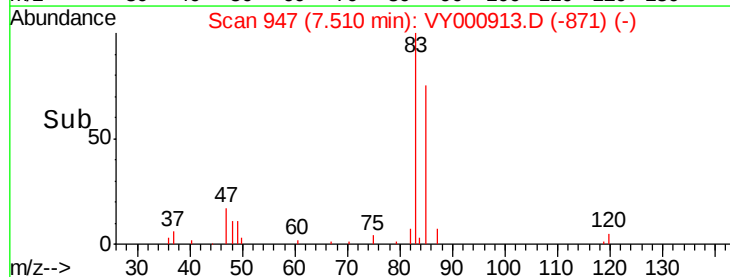
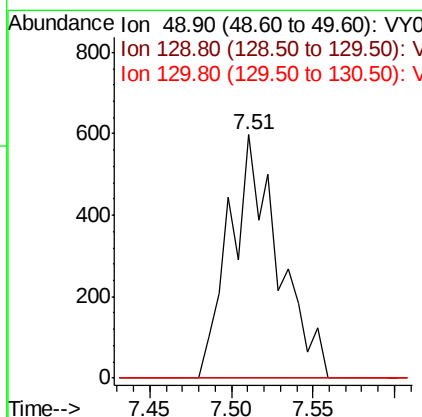
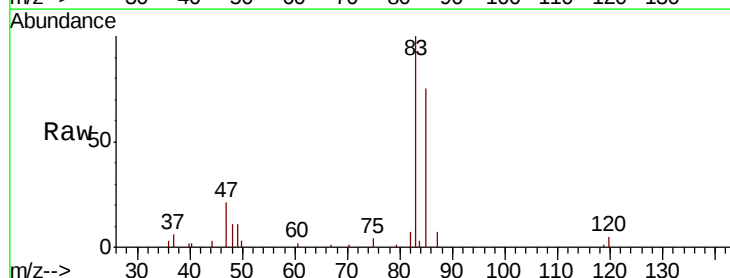
Instrument :
MSVOA_Y
ClientSampleId :

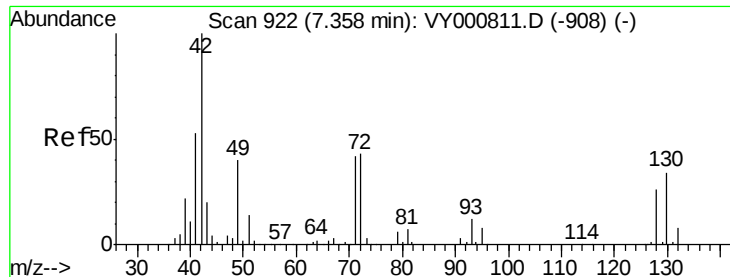
Tot Ion: 43 Resp: 4782
Ion Ratio Lower Upper
43 100
72 4.7 21.0 31.4#



#28
Bromochloromethane
Concen: 2.606 ug/l
RT: 7.51 min Scan# 947
Delta R.T. 0.16 min
Lab File: VY000913.D
Acq: 09 Dec 2019 13:59

Tgt Ion: 49 Resp: 1239
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 58.7 88.1#





#29

Tetrahydrofuran

Concen: 1.385 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.01 min

Lab File: VY000913.D

Acq: 09 Dec 2019 13:59

Instrument :

MSVOA_Y

ClientSampled :

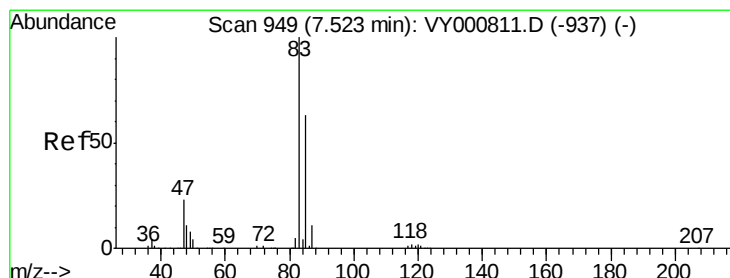
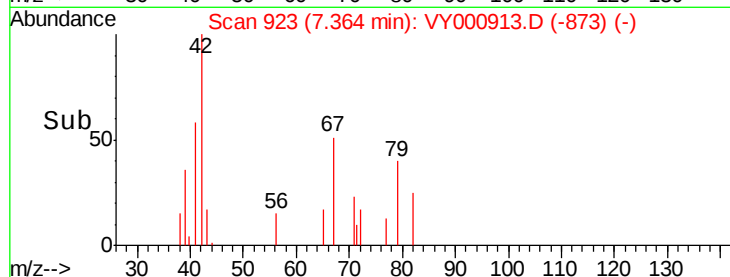
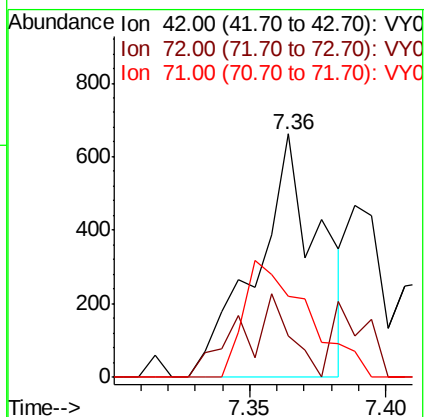
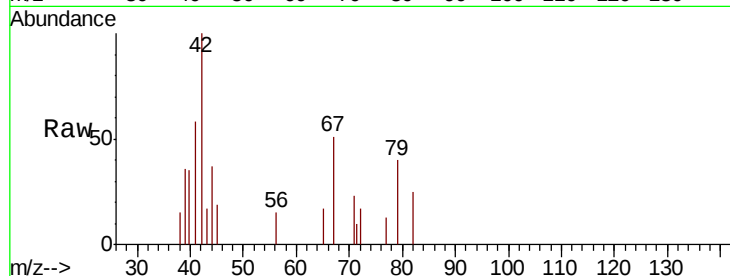
Tot Ion: 42 Resp: 1066

Ion Ratio Lower Upper

42 100

72 26.7 35.1 52.7#

71 48.3 32.8 49.2



#30

Chloroform

Concen: 2.693 ug/l

RT: 7.52 min Scan# 948

Delta R.T. -0.01 min

Lab File: VY000913.D

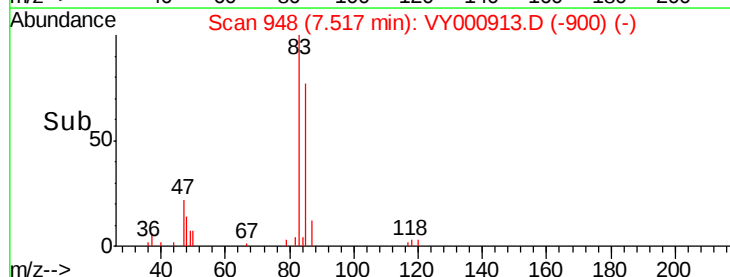
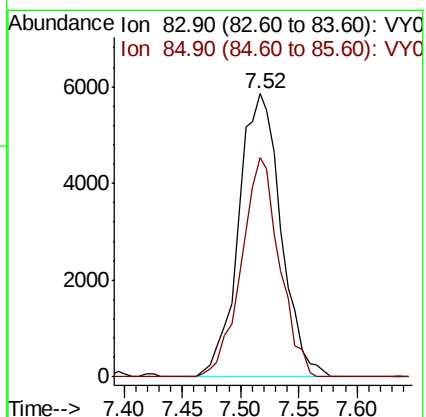
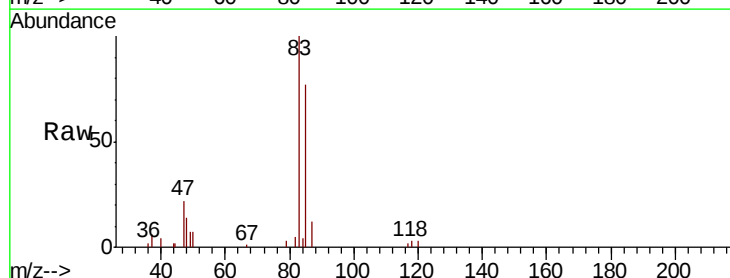
Acq: 09 Dec 2019 13:59

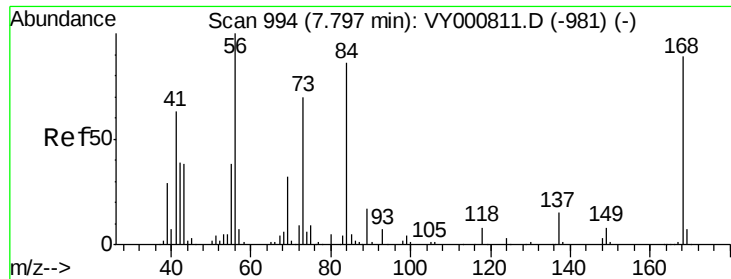
Tgt Ion: 83 Resp: 14837

Ion Ratio Lower Upper

83 100

85 77.4 50.4 75.6#

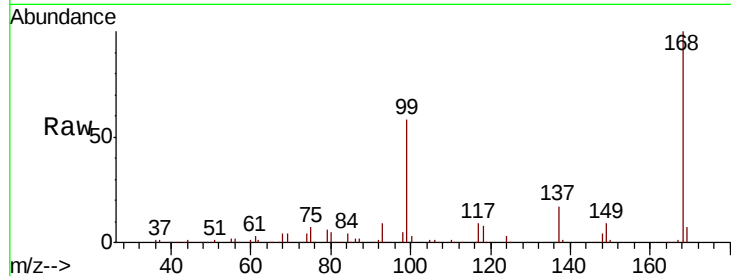




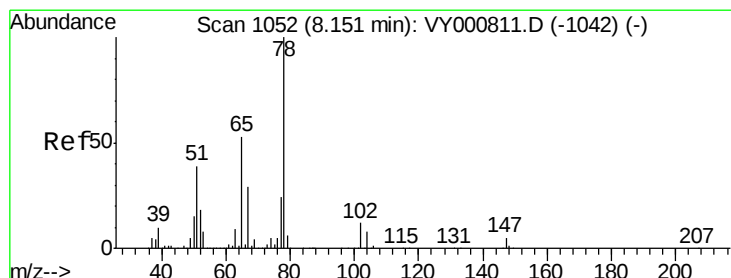
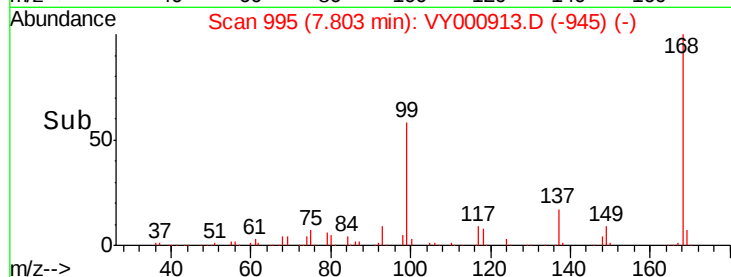
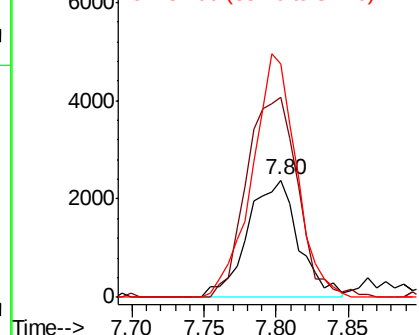
#31
Cyclohexane
Concen: 1.003 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000913.D
Acq: 09 Dec 2019 13:59

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 5835
Ion Ratio Lower Upper
56 100
69 170.3 25.9 38.9#
84 198.8 68.6 102.8#

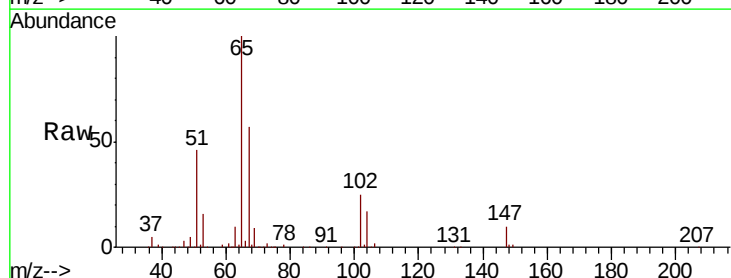


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

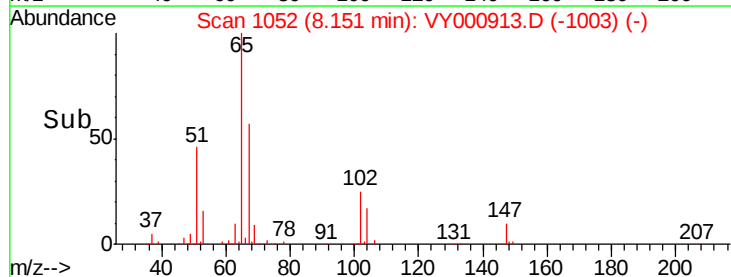
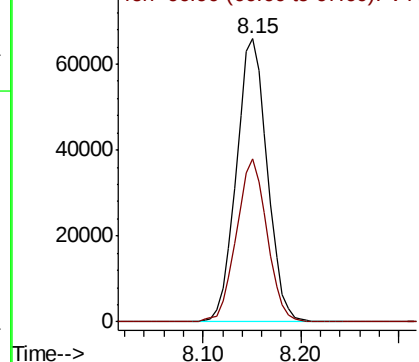


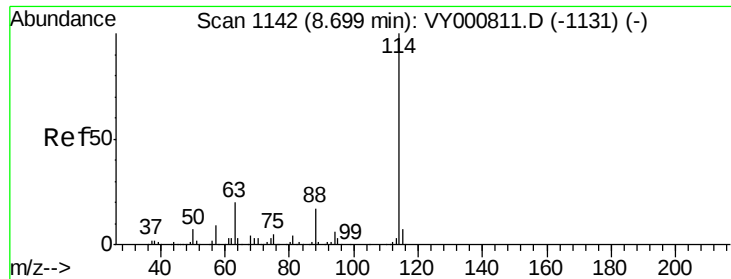
#33
1,2-Dichloroethane-d4
Concen: 52.500 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY000913.D
Acq: 09 Dec 2019 13:59

Tgt Ion: 65 Resp: 143883
Ion Ratio Lower Upper
65 100
67 57.1 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

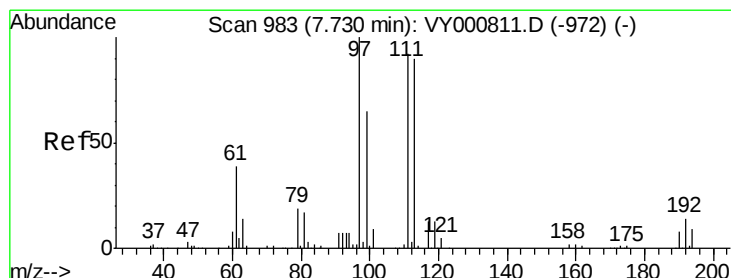
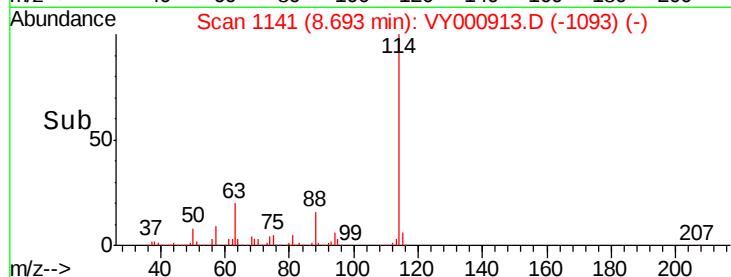
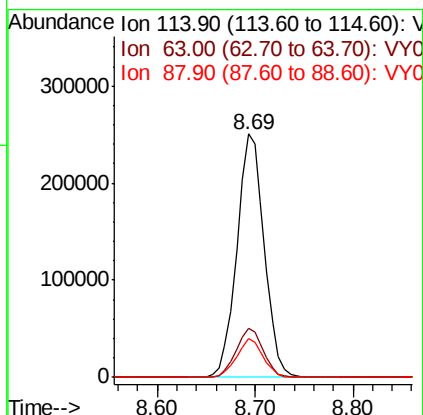
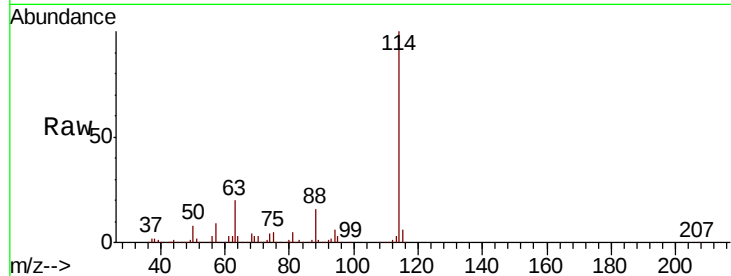




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000913.D
 Acq: 09 Dec 2019 13:59

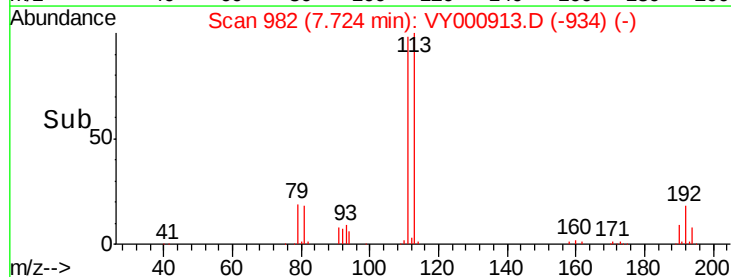
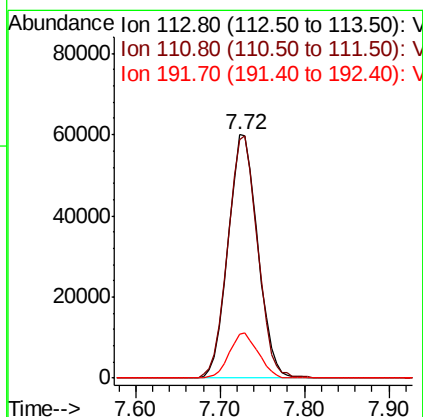
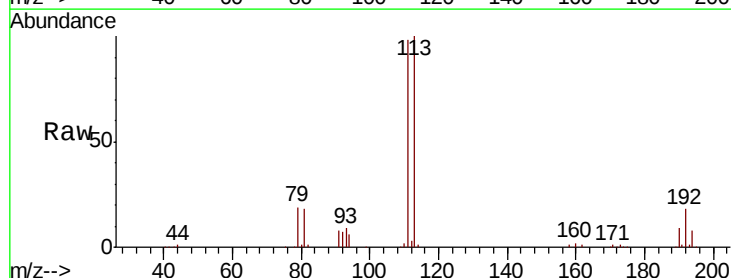
Instrument :
 MSVOA_Y
 ClientSampleId :

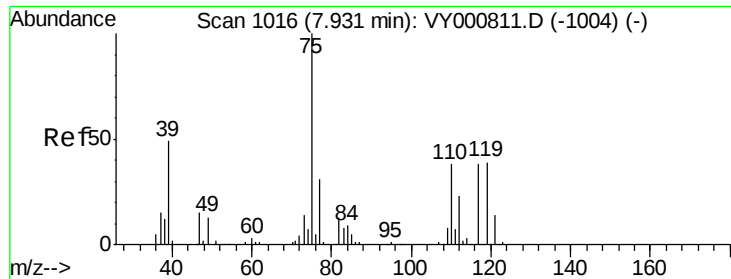
Tot Ion:114 Resp: 483219
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.8
 88 16.0 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 50.773 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY000913.D
 Acq: 09 Dec 2019 13:59

Tgt Ion:113 Resp: 142986
 Ion Ratio Lower Upper
 113 100
 111 100.0 82.4 123.6
 192 18.1 14.2 21.2

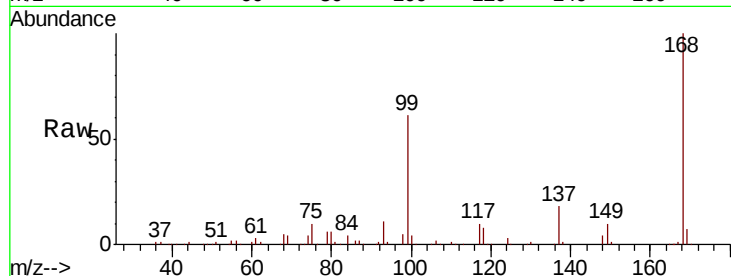




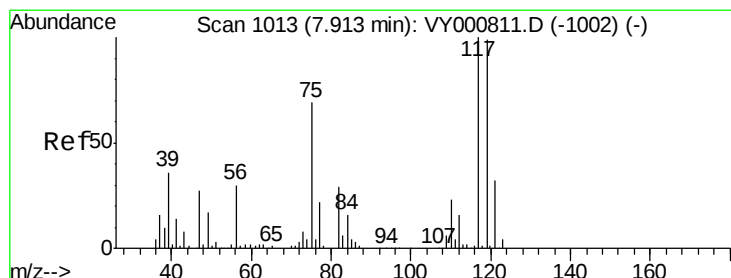
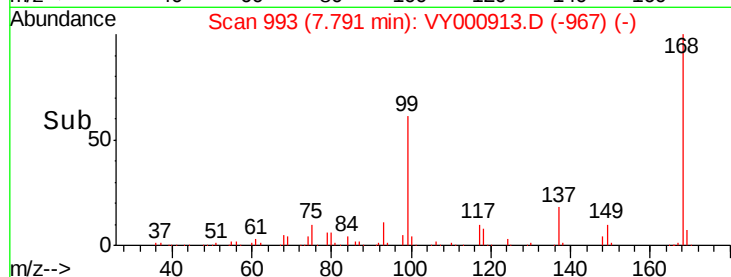
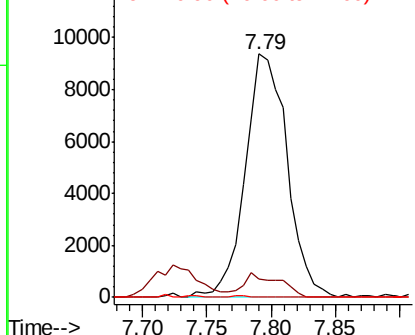
#36
 1,1-Dichloropropene
 Concen: 4.389 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.14 min
 Lab File: VY000913.D
 Acq: 09 Dec 2019 13:59

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	75	Resp	21087
Ion Ratio	Lower	Upper	
75	100		
110	9.1	17.9	53.7#
77	0.2	24.7	37.1#

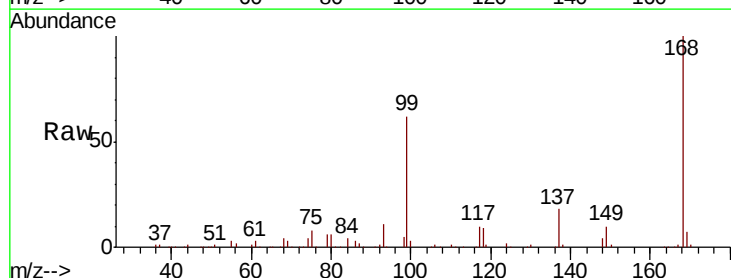


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

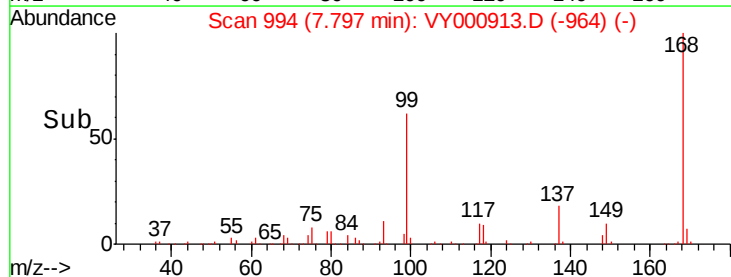
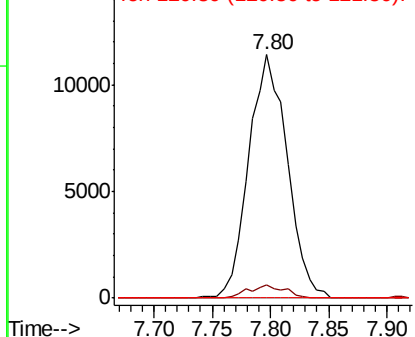


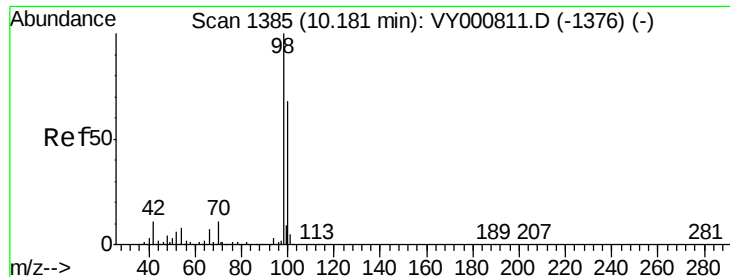
#38
 Carbon Tetrachloride
 Concen: 6.114 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000913.D
 Acq: 09 Dec 2019 13:59

Tgt Ion	117	Resp	26160
Ion Ratio	Lower	Upper	
117	100		
119	5.4	79.3	118.9#
121	0.0	25.5	38.3#



Abundance Ion 116.80 (116.50 to 117.50): VY0
 Ion 118.80 (118.50 to 119.50): VY0
 Ion 120.80 (120.50 to 121.50): VY0





#50

Toluene-d8

Concen: 50.733 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000913.D

Acq: 09 Dec 2019 13:59

Instrument :

MSVOA_Y

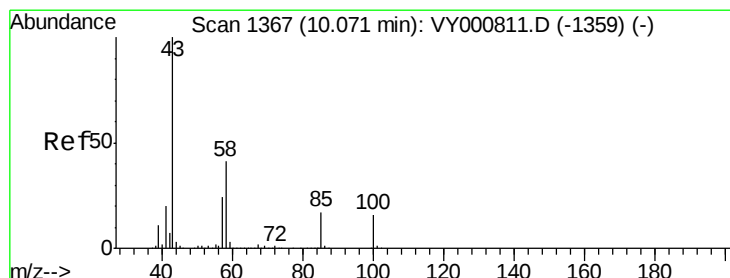
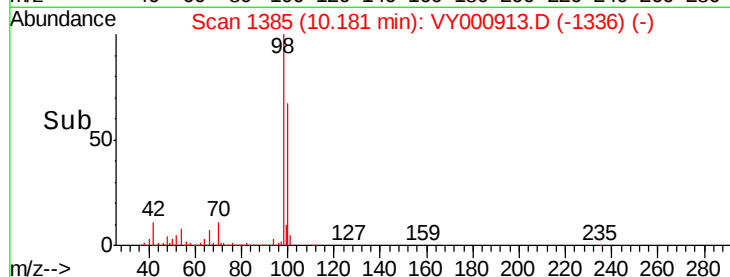
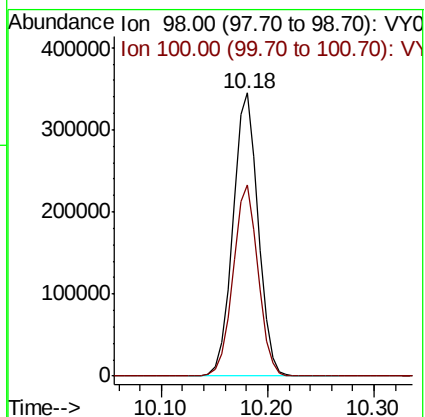
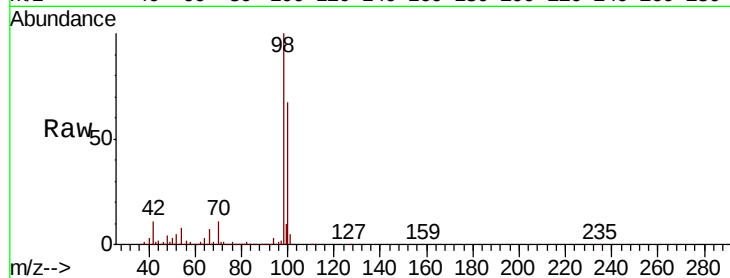
ClientSampleId :

Tot Ion: 98 Resp: 571203

Ion Ratio Lower Upper

98 100

100 66.7 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 1.176 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY000913.D

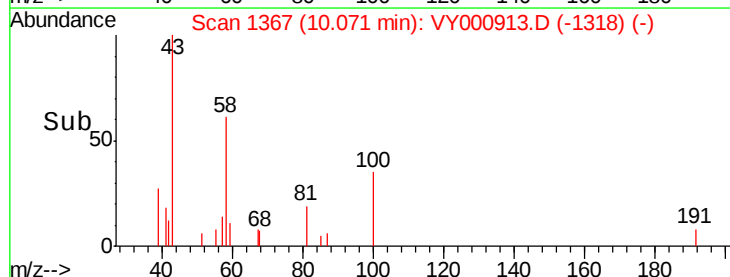
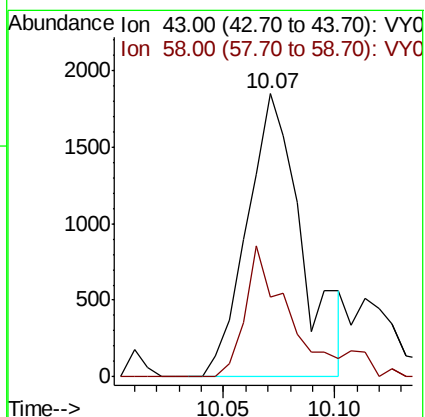
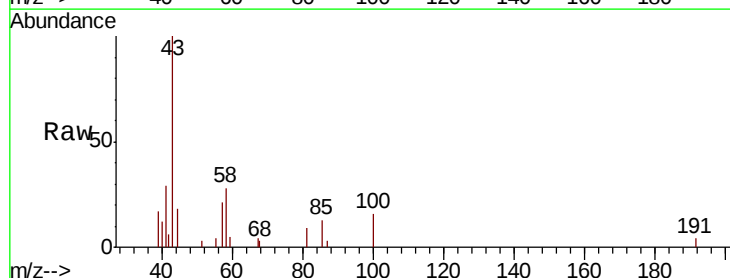
Acq: 09 Dec 2019 13:59

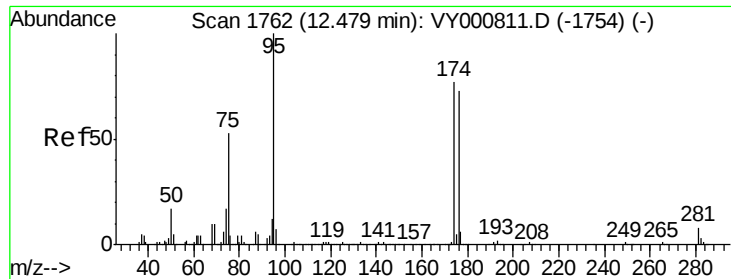
Tgt Ion: 43 Resp: 3177

Ion Ratio Lower Upper

43 100

58 40.0 33.1 49.7

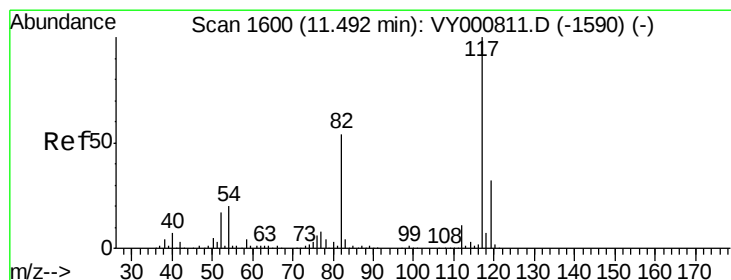
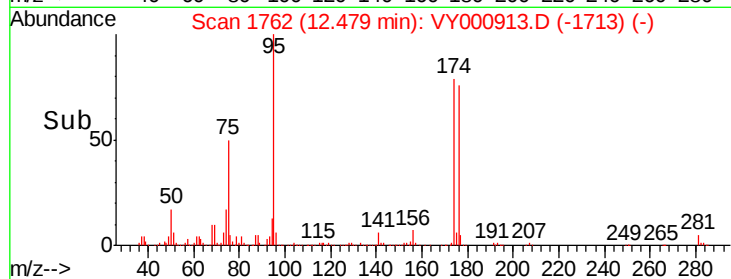
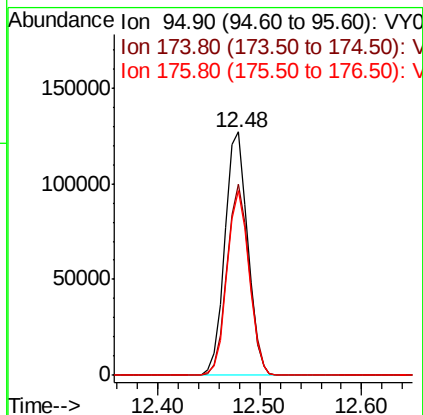
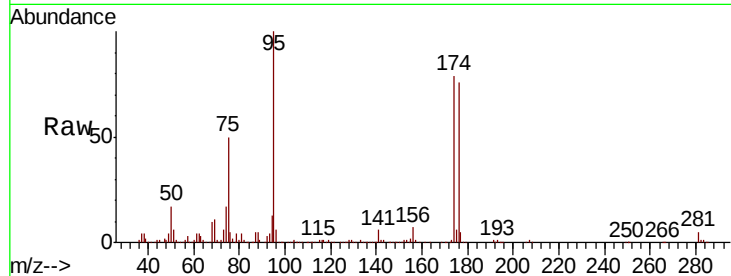




#62
4-Bromofluorobenzene
Concen: 46.374 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000913.D
Acq: 09 Dec 2019 13:59

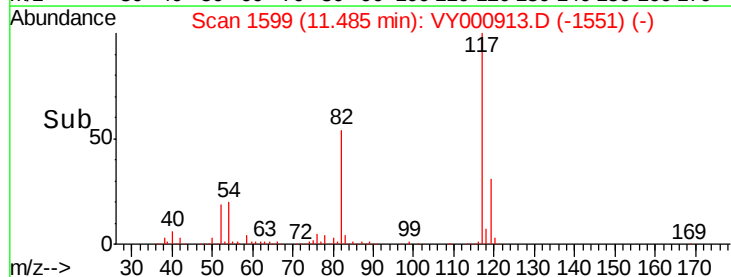
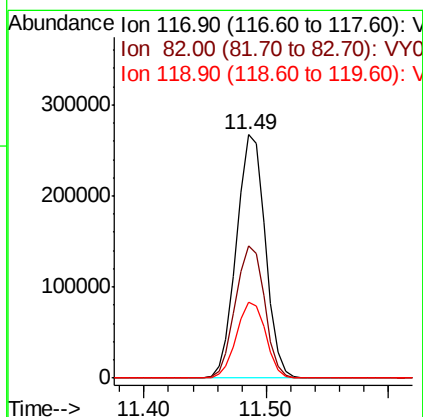
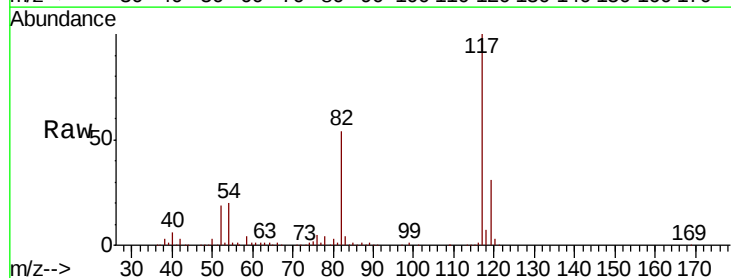
Instrument :
MSVOA_Y
ClientSampleId :

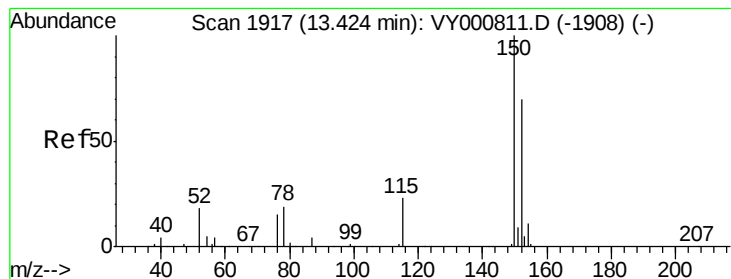
Tot Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	150.6
176	73.4	0.0	145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000913.D
Acq: 09 Dec 2019 13:59

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.1	64.7
119	31.0	25.3	37.9



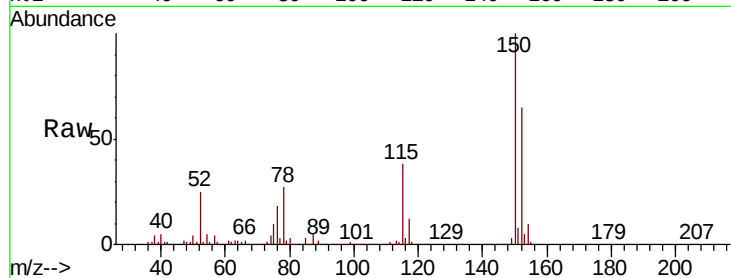


#72

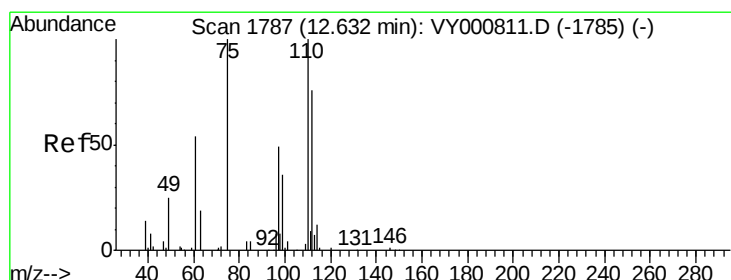
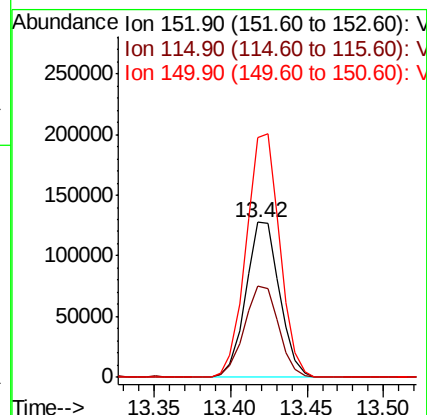
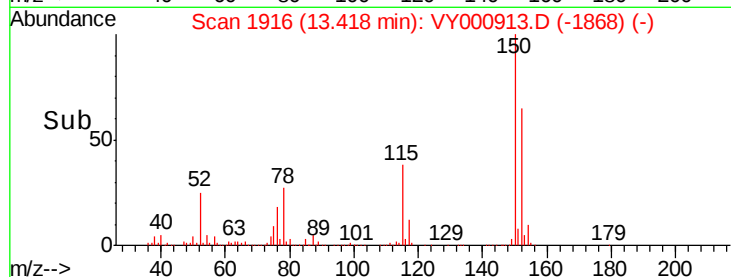
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VY000913.D
Acq: 09 Dec 2019 13:59

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 195743
Ion Ratio Lower Upper
152 100
115 60.2 29.3 87.8
150 156.1 0.0 351.2



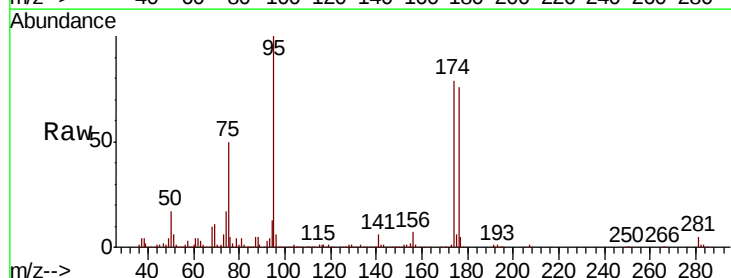
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



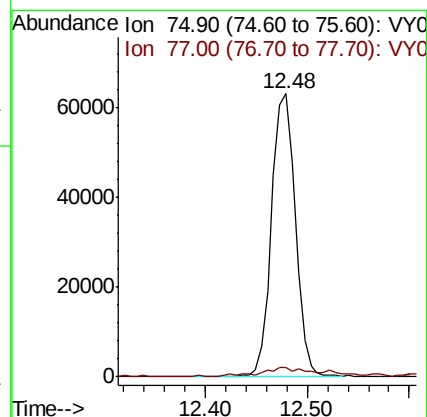
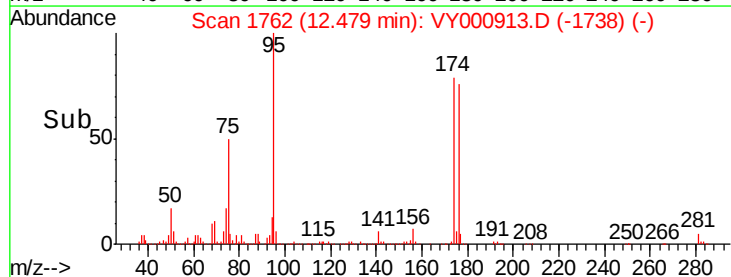
#76

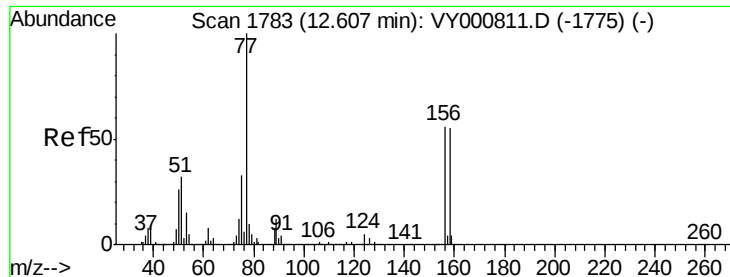
1,2,3-Trichloropropane
Concen: 46.367 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000913.D
Acq: 09 Dec 2019 13:59

Tgt Ion: 75 Resp: 102830
Ion Ratio Lower Upper
75 100
77 6.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 9.180 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.07 min

Lab File: VY000913.D

Acq: 09 Dec 2019 13:59

Instrument :

MSVOA_Y

ClientSampled :

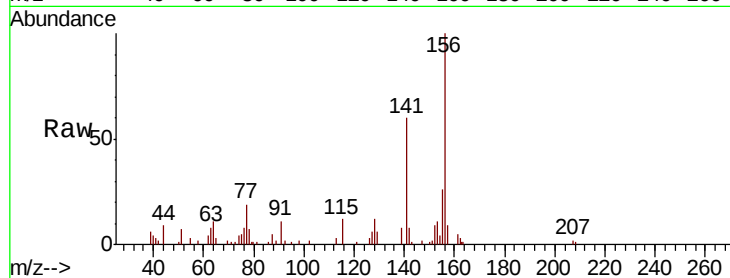
Tot Ion:156 Resp: 31014

Ion Ratio Lower Upper

156 100

77 18.5 102.6 307.7#

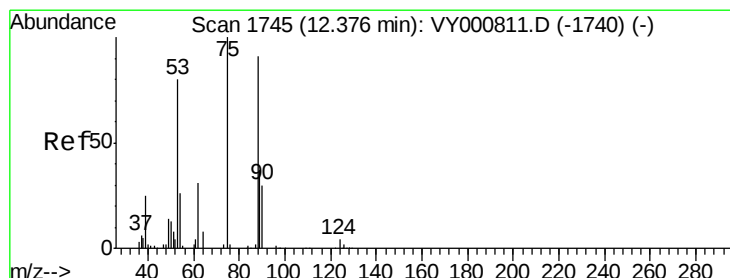
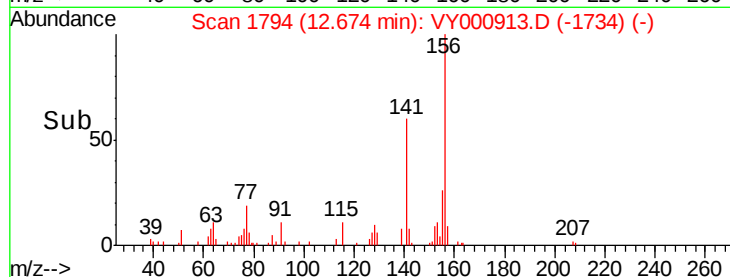
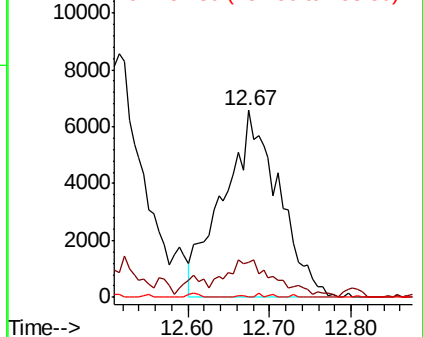
158 0.2 47.6 142.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 91.078 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000913.D

Acq: 09 Dec 2019 13:59

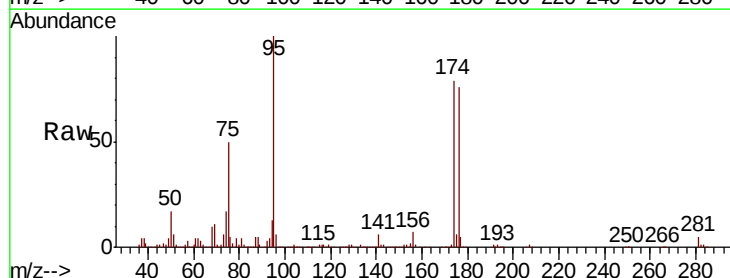
Tgt Ion: 75 Resp: 102830

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

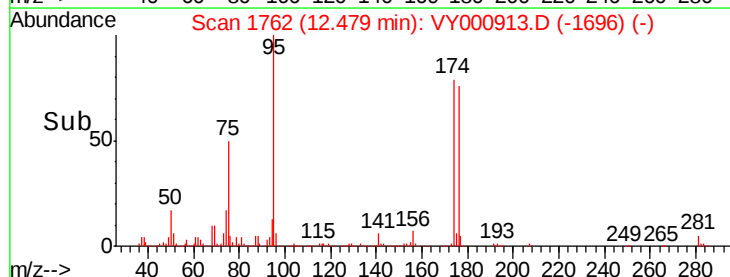
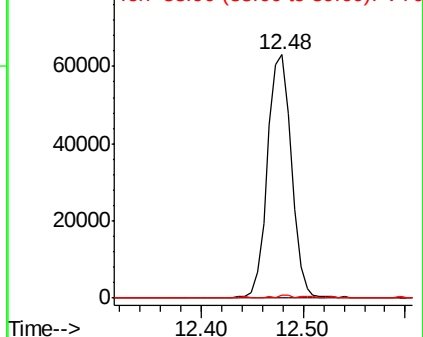
89 0.5 33.6 50.4#

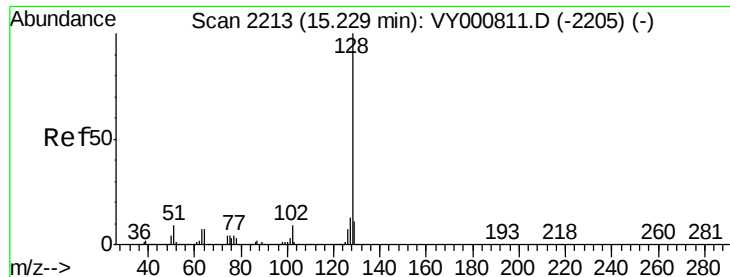


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

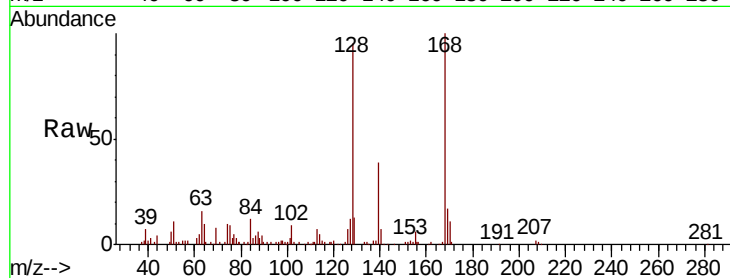




#95
Naphthalene
Concen: 4.036 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY000913.D
Acq: 09 Dec 2019 13:59

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.1	15.1
129	14.3	8.8	13.2



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

