

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121719\
 Data File : VY000971.D
 Acq On : 17 Dec 2019 12:18
 Operator : SY/MD
 Sample : VY1217SBL01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1217SBL01

Quant Time: Dec 18 05:49:26 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

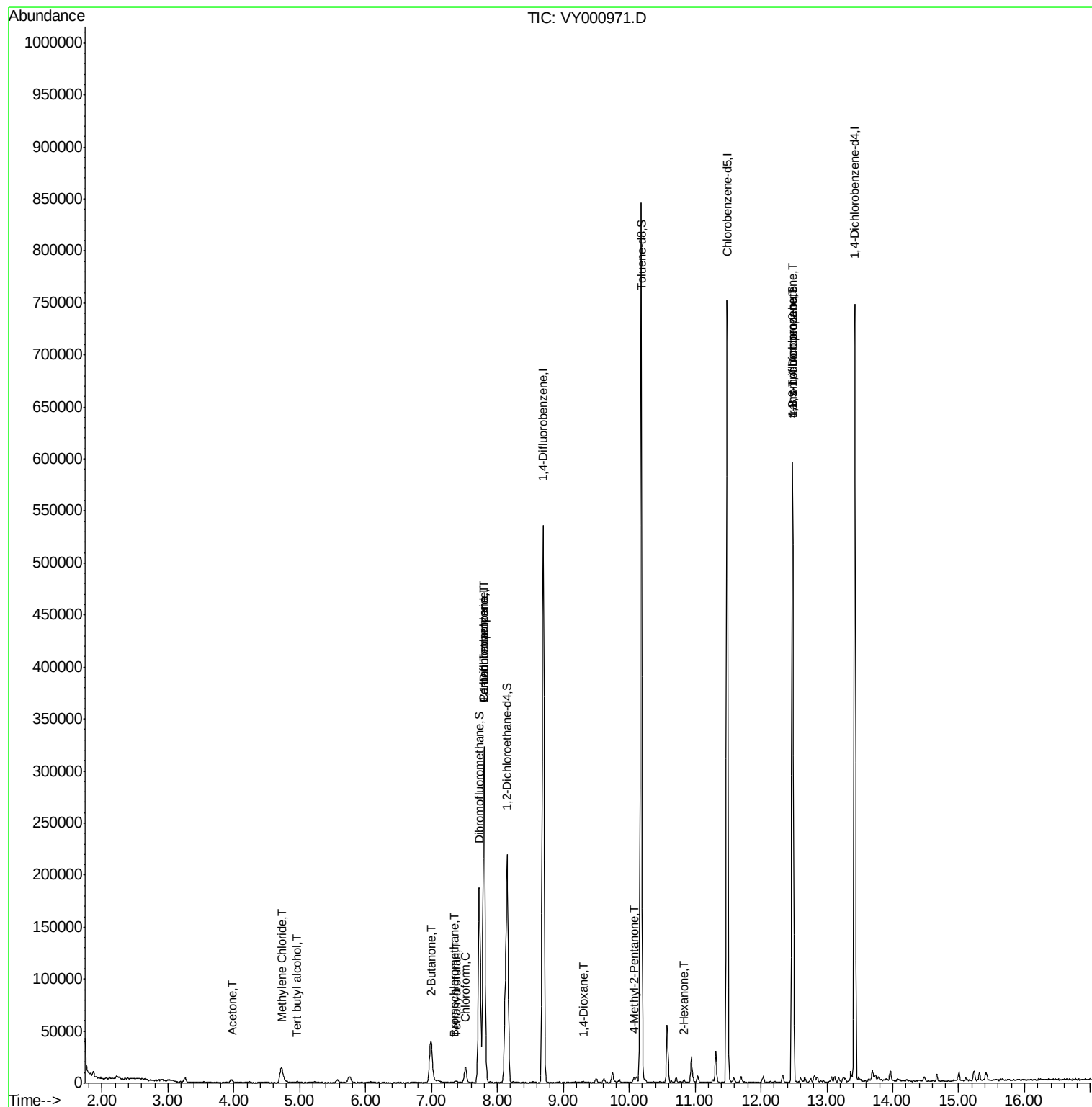
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	244142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	460859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	415010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	183459	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	144651	55.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.52%	
35) Dibromofluoromethane	7.72	113	134738	50.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.34%	
50) Toluene-d8	10.18	98	542906	50.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.48	95	181180	44.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.86%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.63	94	28	Below Cal	#	3
11) Tert butyl alcohol	4.95	59	1076	4.123	ug/l #	90
16) Acetone	3.97	43	4901	8.235	ug/l	88
20) Methylene Chloride	4.72	84	11141	3.552	ug/l	92
25) 2-Butanone	7.00	43	3690	3.357	ug/l	93
28) Bromochloromethane	7.34	49	44	2.038	ug/l #	15
29) Tetrahydrofuran	7.36	42	871	1.196	ug/l #	81
30) Chloroform	7.51	83	14439	2.768	ug/l	91
36) 1,1-Dichloropropene	7.80	75	19611	4.280	ug/l #	49
38) Carbon Tetrachloride	7.80	117	24885	6.098	ug/l #	14
49) 1,4-Dioxane	9.31	88	98	3.948	ug/l #	83
51) 4-Methyl-2-Pentanone	10.08	43	3098	1.203	ug/l	99
59) 2-Hexanone	10.83	43	2127	1.133	ug/l	92
76) 1,2,3-Trichloropropane	12.48	75	93223	44.850	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	93223	88.097	ug/l #	18

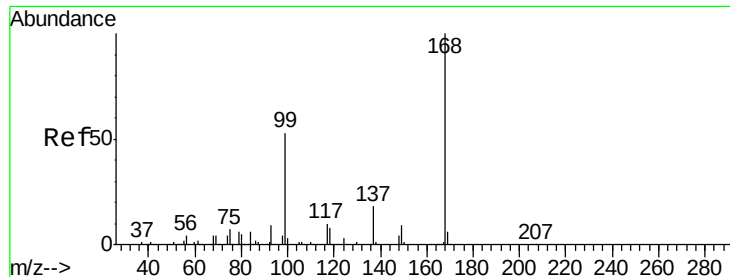
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000971.D

Acq: 17 Dec 2019 12:18

Instrument :

MSVOA_Y

ClientSampleId :

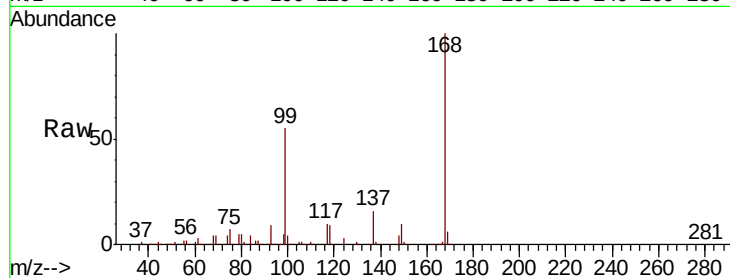
VY1217SBL01

Tgt Ion:168 Resp: 244142

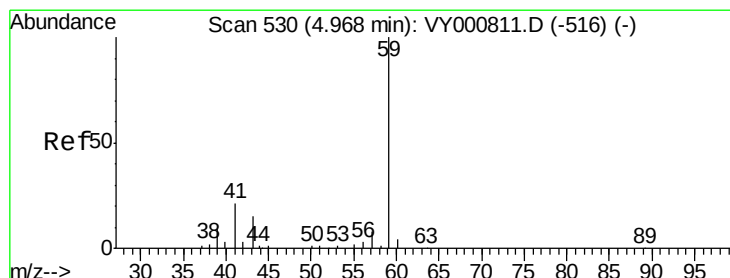
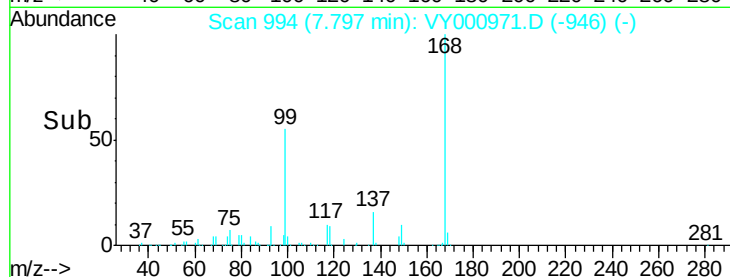
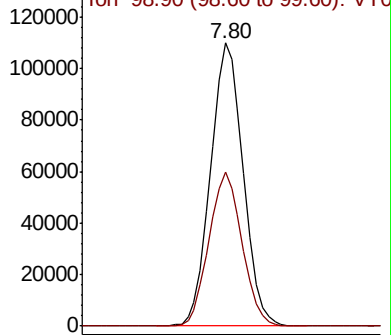
Ion Ratio Lower Upper

168 100

99 54.7 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000971.D (-946) (-)



#11

Tert butyl alcohol

Concen: 4.123 ug/l

RT: 4.95 min Scan# 527

Delta R.T. -0.02 min

Lab File: VY000971.D

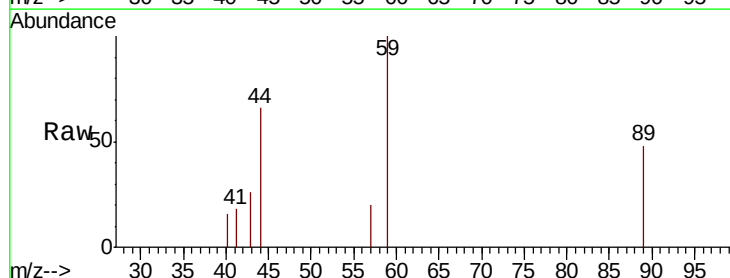
Acq: 17 Dec 2019 12:18

Tgt Ion: 59 Resp: 1076

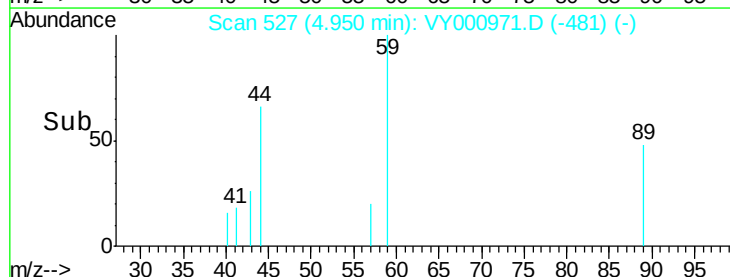
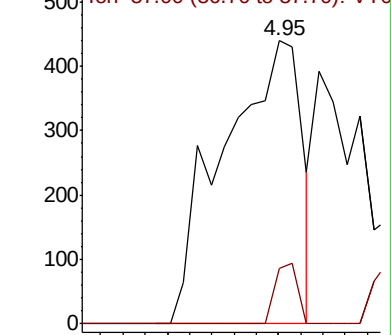
Ion Ratio Lower Upper

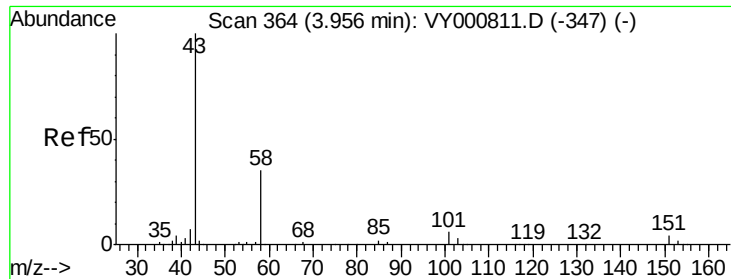
59 100

57 6.1 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY000971.D (-481) (-)





#16

Acetone

Concen: 8.235 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY000971.D

Acq: 17 Dec 2019 12:18

Instrument :

MSVOA_Y

ClientSampleId :

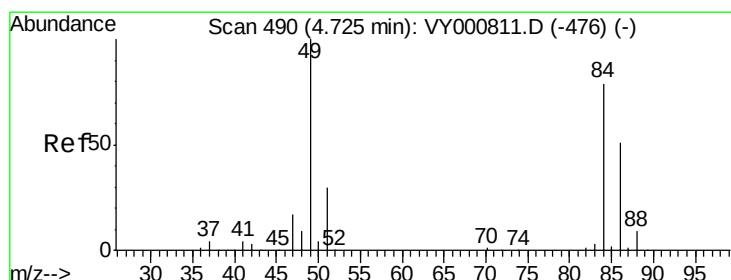
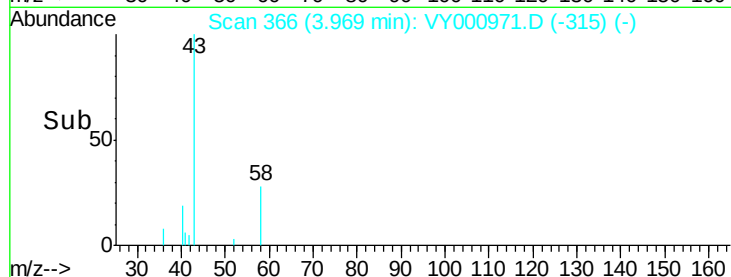
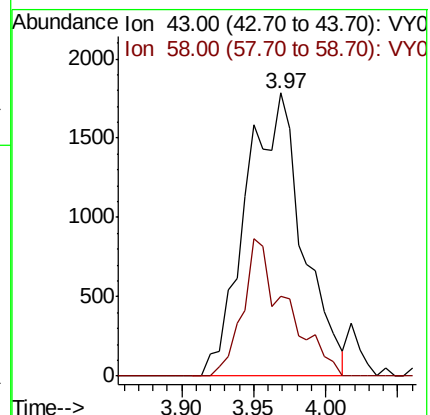
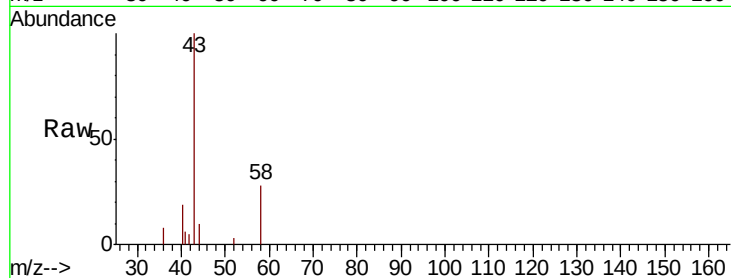
VY1217SBL01

Tgt Ion: 43 Resp: 4901

Ion Ratio Lower Upper

43 100

58 28.1 28.0 42.0



#20

Methylene Chloride

Concen: 3.552 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY000971.D

Acq: 17 Dec 2019 12:18

Tgt Ion: 84 Resp: 11141

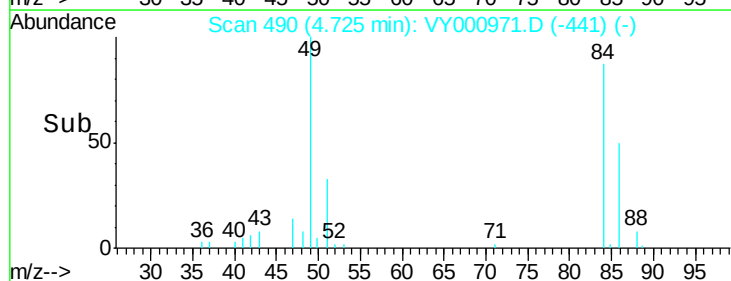
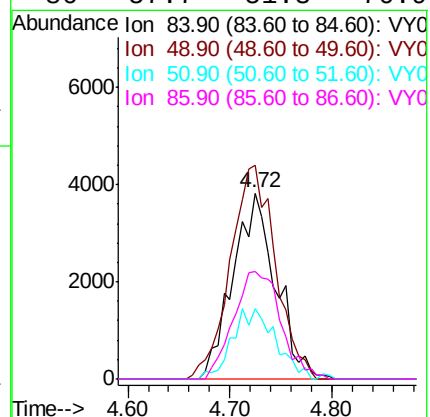
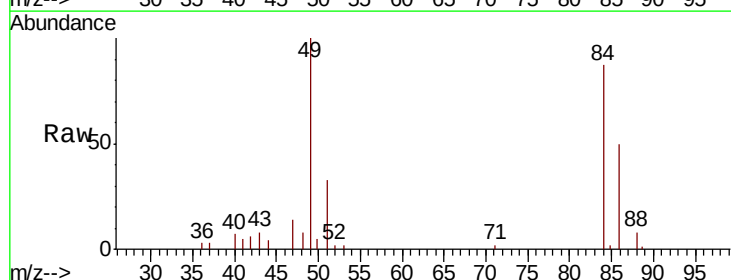
Ion Ratio Lower Upper

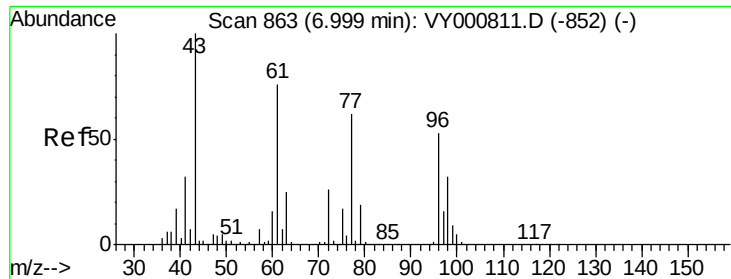
84 100

49 115.0 101.3 151.9

51 38.1 30.6 45.8

86 57.7 51.3 76.9

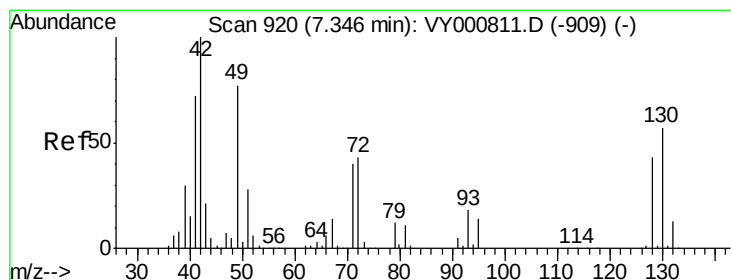
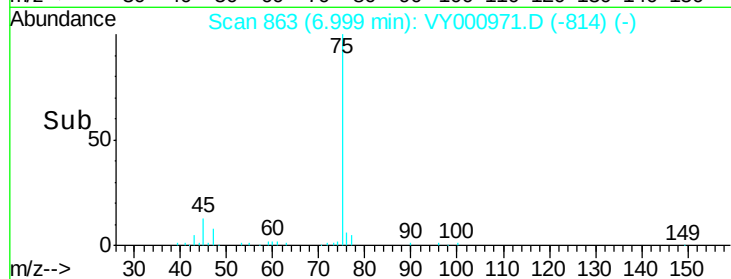
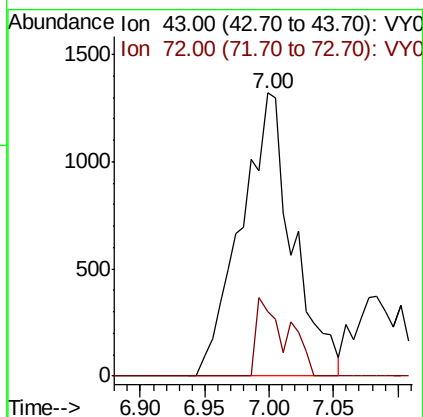
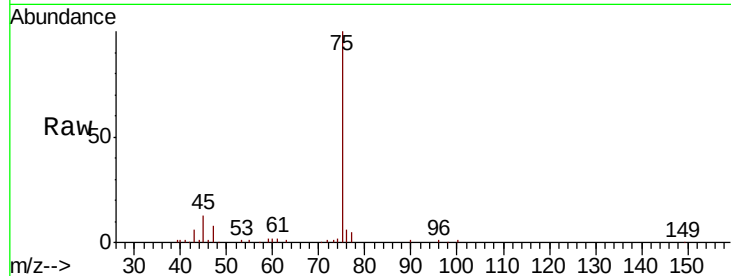




#25
2-Butanone
Concen: 3.357 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY000971.D
Acq: 17 Dec 2019 12:18

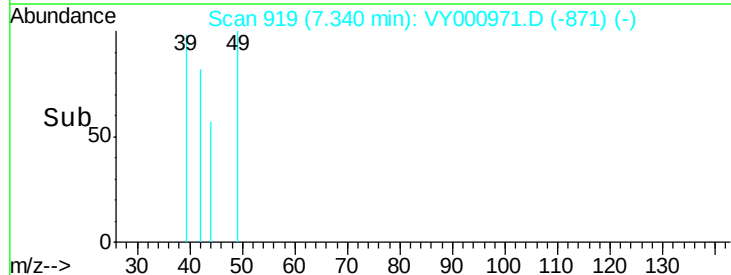
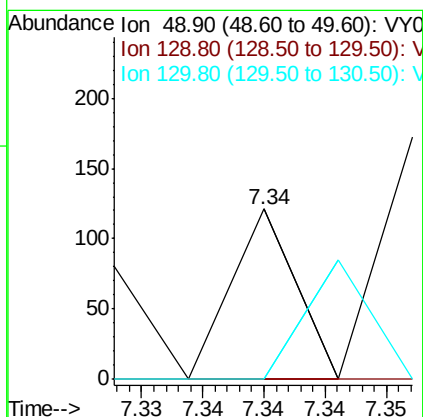
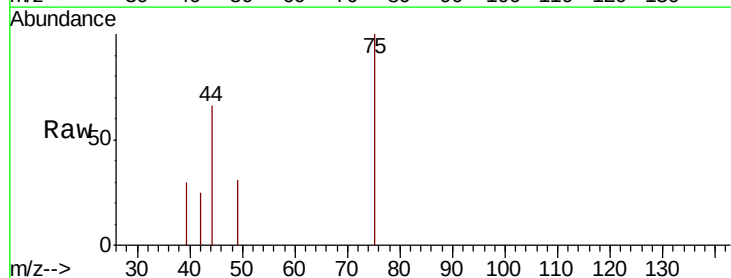
Instrument :
MSVOA_Y
ClientSampleId :
VY1217SBL01

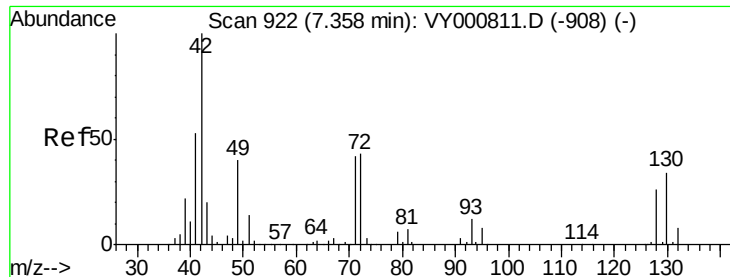
Tgt Ion: 43 Resp: 3690
Ion Ratio Lower Upper
43 100
72 22.6 21.0 31.4



#28
Bromochloromethane
Concen: 2.038 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000971.D
Acq: 17 Dec 2019 12:18

Tgt Ion: 49 Resp: 44
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 58.7 88.1#





#29

Tetrahydrofuran

Concen: 1.196 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.01 min

Lab File: VY000971.D

Acq: 17 Dec 2019 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VY1217SBL01

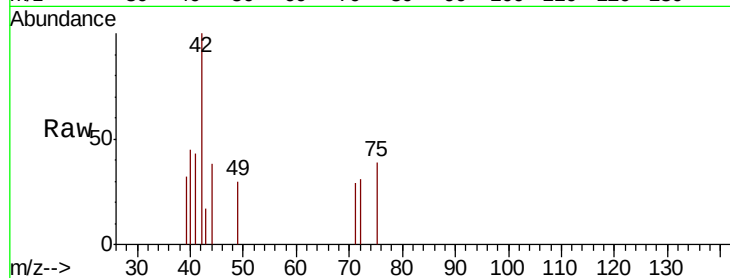
Tgt Ion: 42 Resp: 871

Ion Ratio Lower Upper

42 100

72 39.8 35.1 52.7

71 21.2 32.8 49.2#



Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0

7.36

400

300

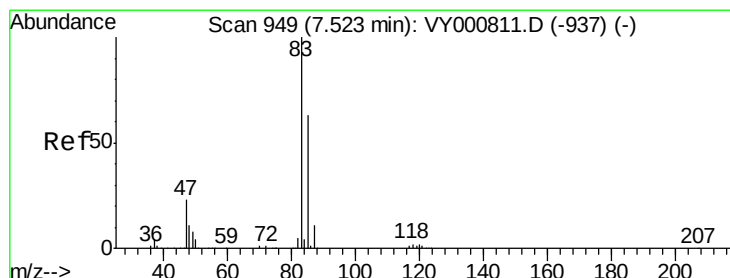
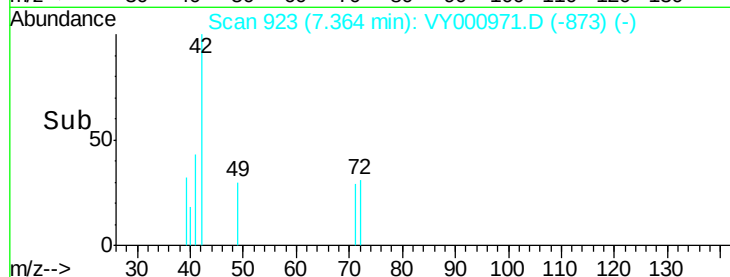
200

100

0

7.30 7.35 7.40

Time-->



#30

Chloroform

Concen: 2.768 ug/l

RT: 7.51 min Scan# 947

Delta R.T. -0.01 min

Lab File: VY000971.D

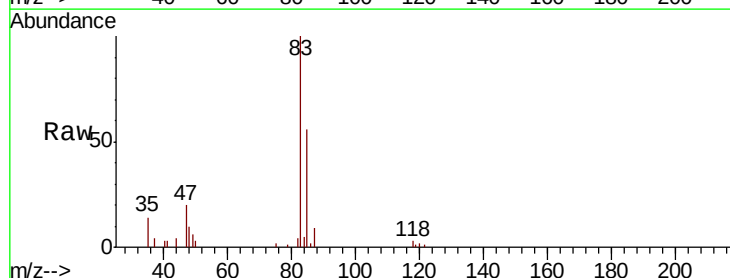
Acq: 17 Dec 2019 12:18

Tgt Ion: 83 Resp: 14439

Ion Ratio Lower Upper

83 100

85 55.8 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

6000

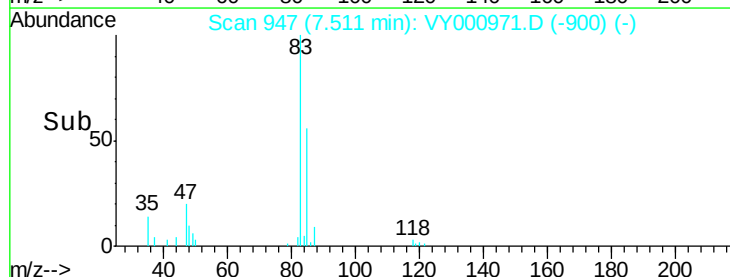
4000

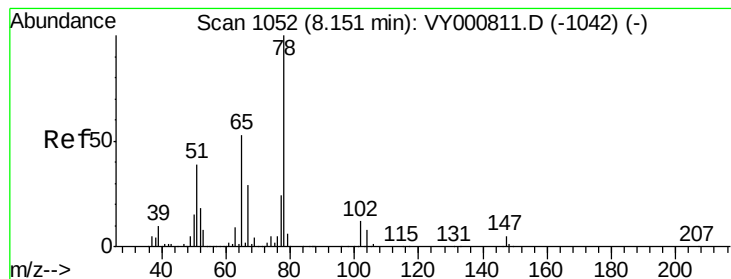
2000

0

7.45 7.50 7.55 7.60

Time-->





#33

1,2-Dichloroethane-d4

Concen: 55.759 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000971.D

Acq: 17 Dec 2019 12:18

Instrument :

MSVOA_Y

ClientSampleId :

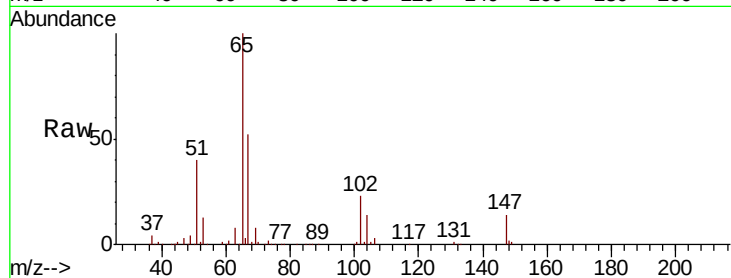
VY1217SBL01

Tgt Ion: 65 Resp: 144651

Ion Ratio Lower Upper

65 100

67 55.6 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.15

60000

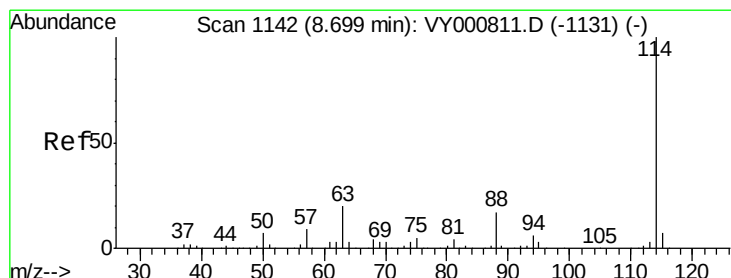
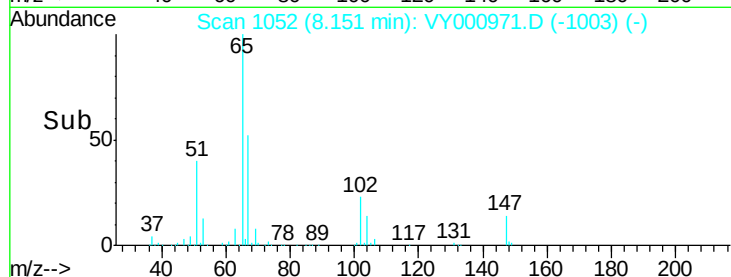
40000

20000

0

8.10 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000971.D

Acq: 17 Dec 2019 12:18

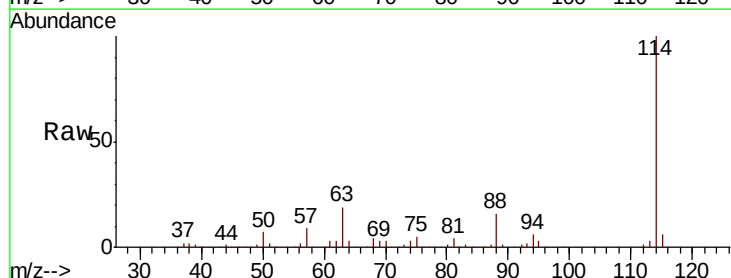
Tgt Ion: 114 Resp: 460859

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.8

88 15.7 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

300000

250000

200000

150000

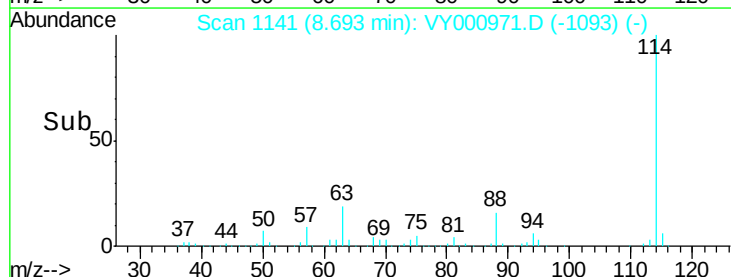
100000

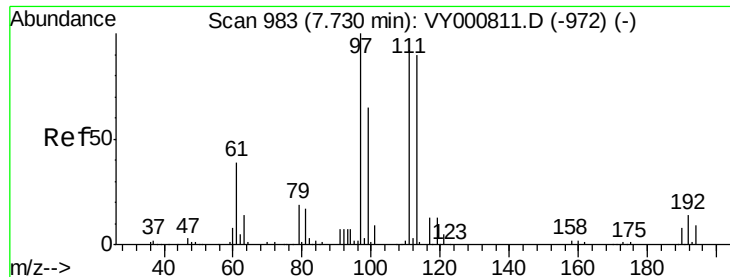
50000

0

8.60 8.70 8.80

Time-->





#35

Dibromofluoromethane

Concen: 50.165 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000971.D

Acq: 17 Dec 2019 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VY1217SBL01

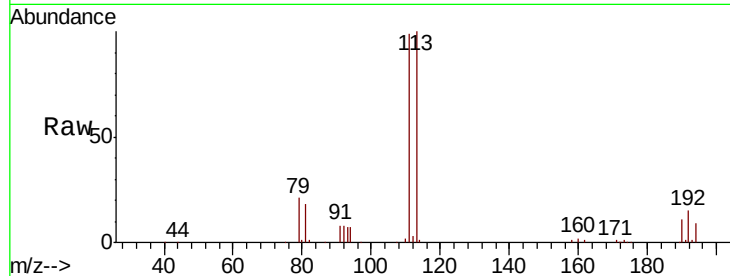
Tgt Ion:113 Resp: 134738

Ion Ratio Lower Upper

113 100

111 103.4 82.4 123.6

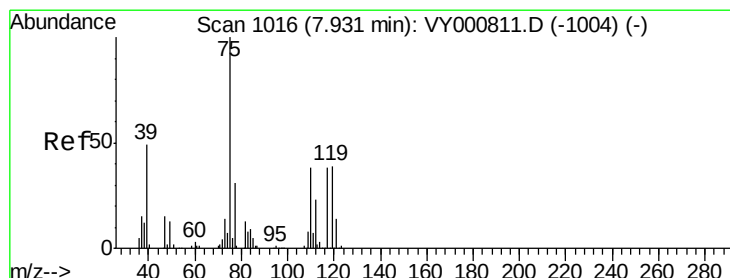
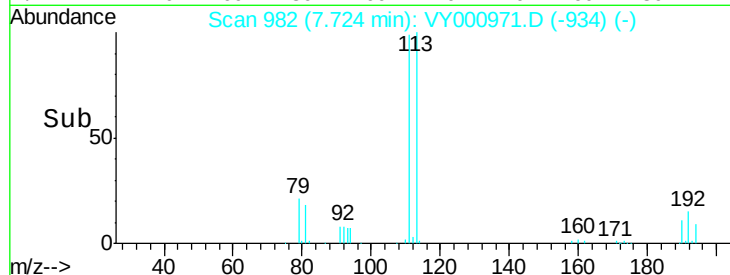
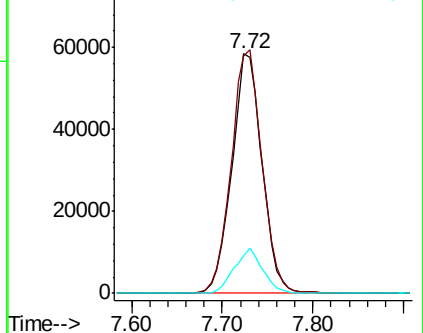
192 17.6 14.2 21.2



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: 4.280 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000971.D

Acq: 17 Dec 2019 12:18

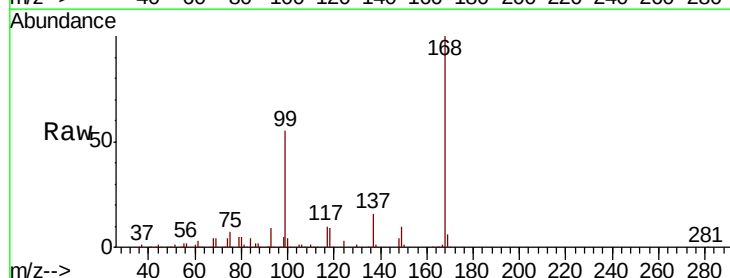
Tgt Ion: 75 Resp: 19611

Ion Ratio Lower Upper

75 100

110 8.5 17.9 53.7#

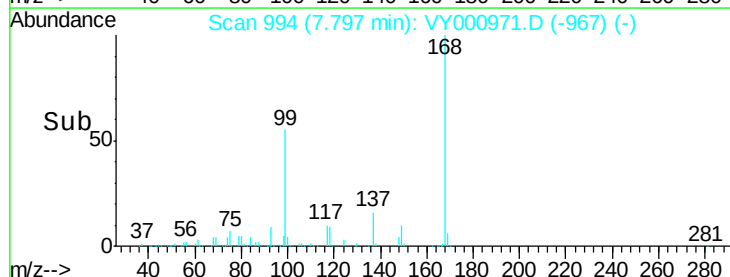
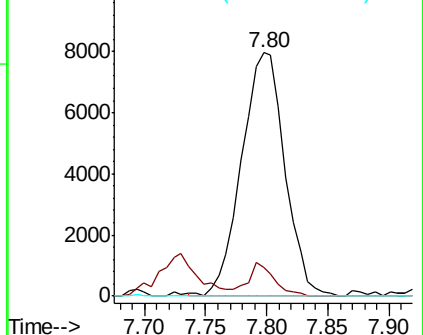
77 0.0 24.7 37.1#

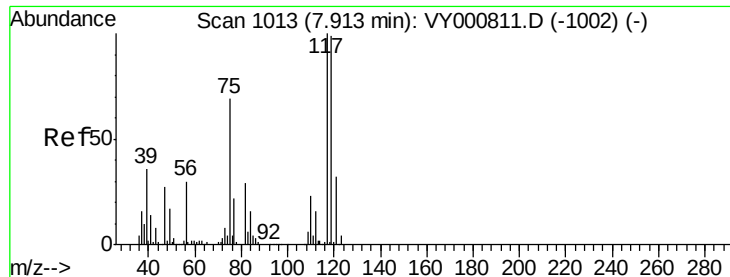


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.098 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY000971.D

Acq: 17 Dec 2019 12:18

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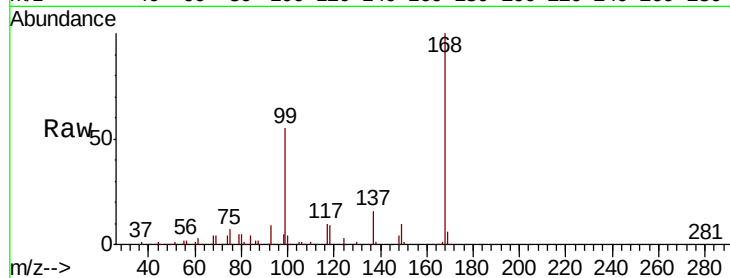
Tgt Ion: 117 Resp: 24885

Ion Ratio Lower Upper

117 100

119 4.8 79.3 118.9#

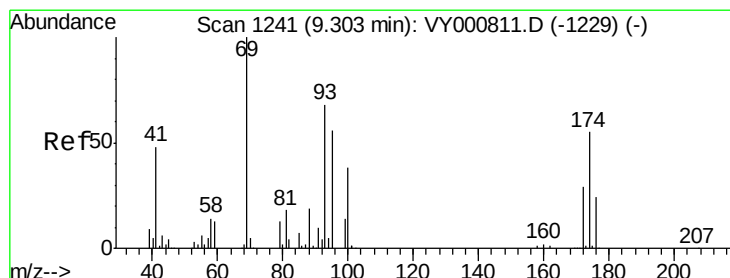
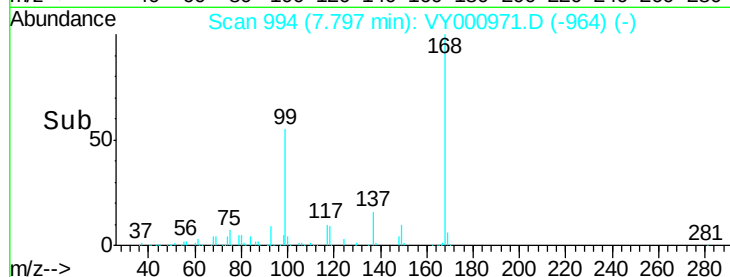
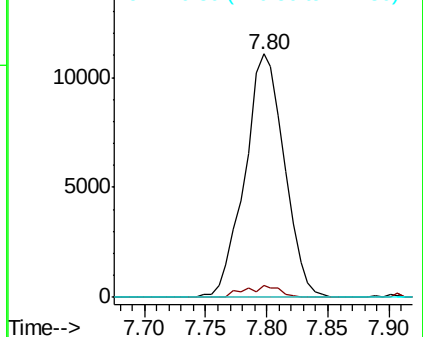
121 0.0 25.5 38.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 3.948 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VY000971.D

Acq: 17 Dec 2019 12:18

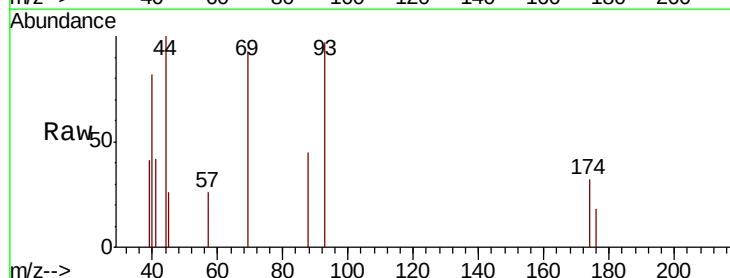
Tgt Ion: 88 Resp: 98

Ion Ratio Lower Upper

88 100

43 21.4 21.1 31.7

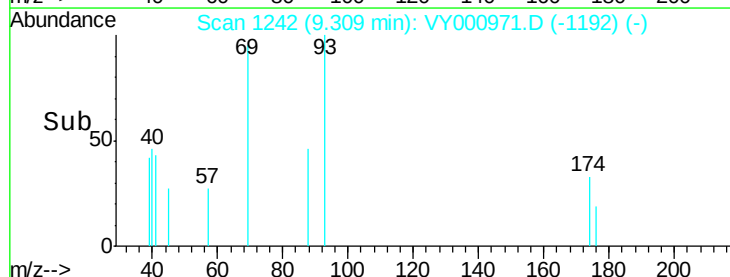
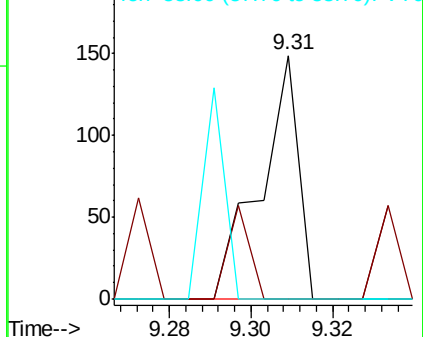
58 48.0 50.7 76.1#

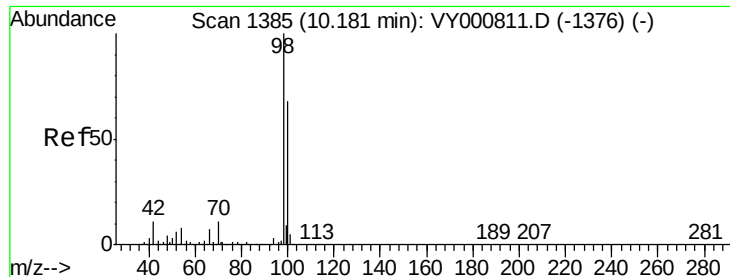


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 50.559 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000971.D

Acq: 17 Dec 2019 12:18

Instrument :

MSVOA_Y

ClientSampleId :

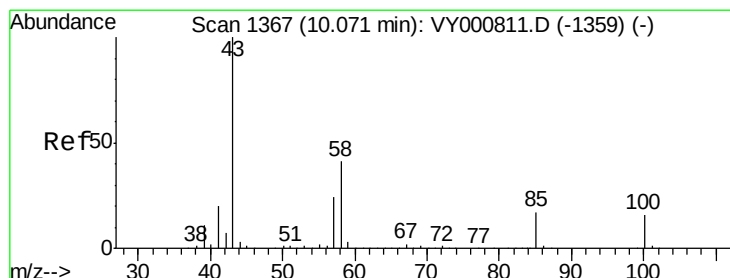
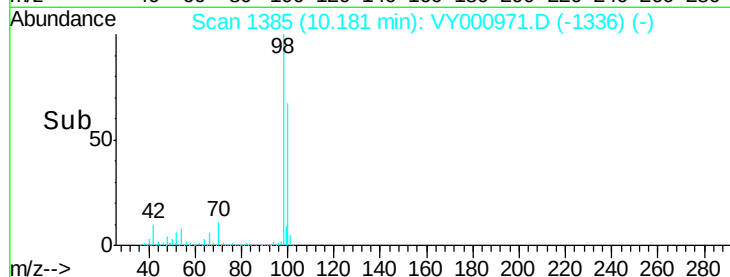
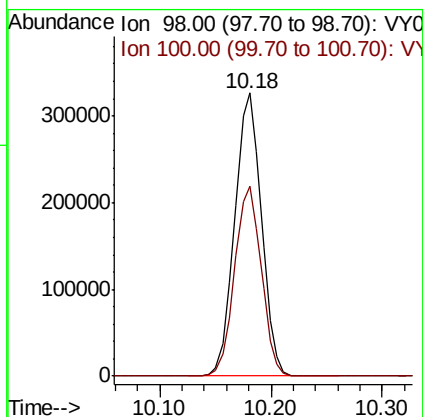
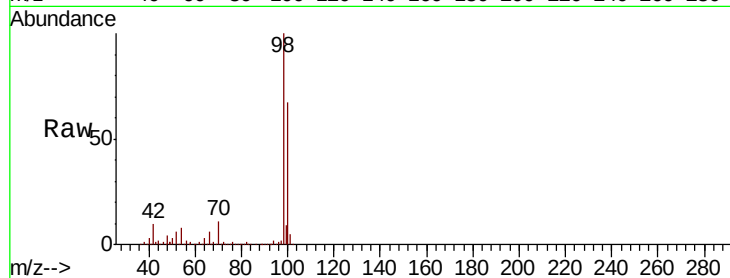
VY1217SBL01

Tgt Ion: 98 Resp: 542906

Ion Ratio Lower Upper

98 100

100 66.9 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 1.203 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VY000971.D

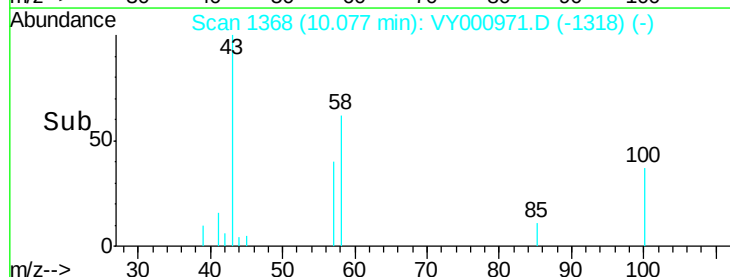
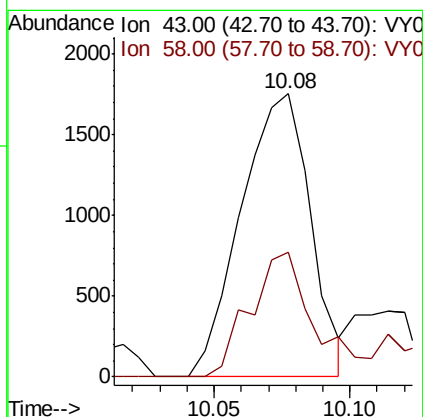
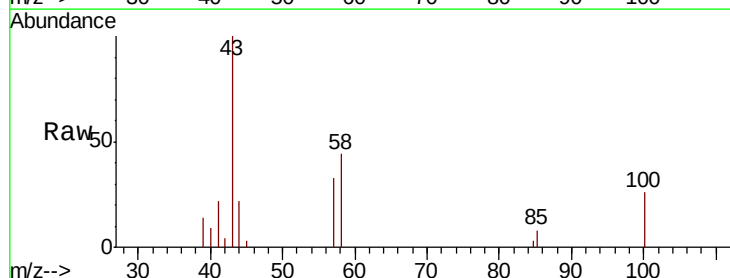
Acq: 17 Dec 2019 12:18

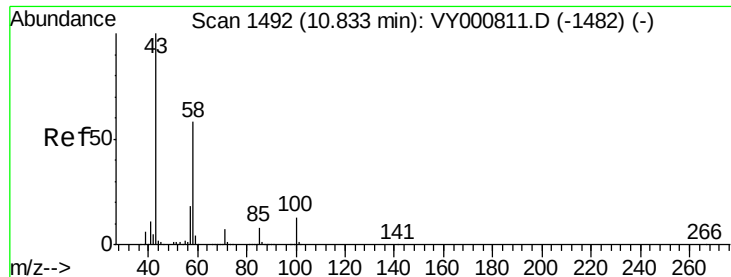
Tgt Ion: 43 Resp: 3098

Ion Ratio Lower Upper

43 100

58 41.1 33.1 49.7

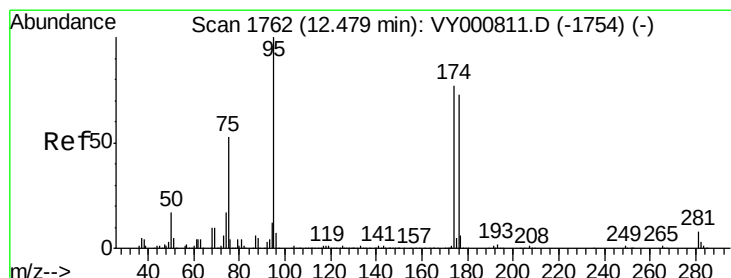
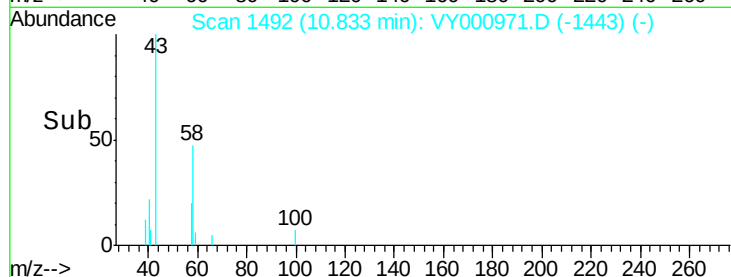
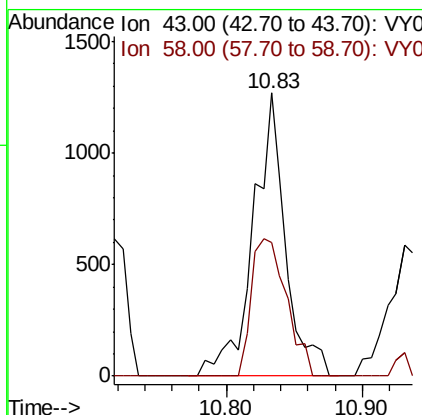
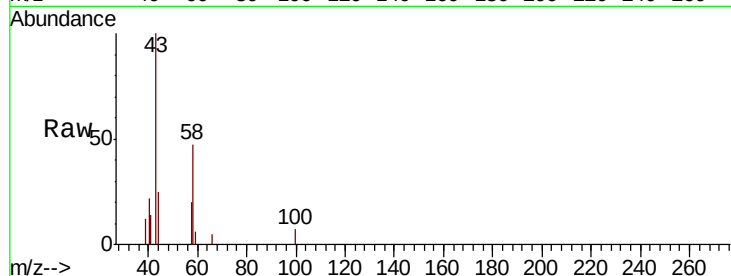




#59
2-Hexanone
Concen: 1.133 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000971.D
Acq: 17 Dec 2019 12:18

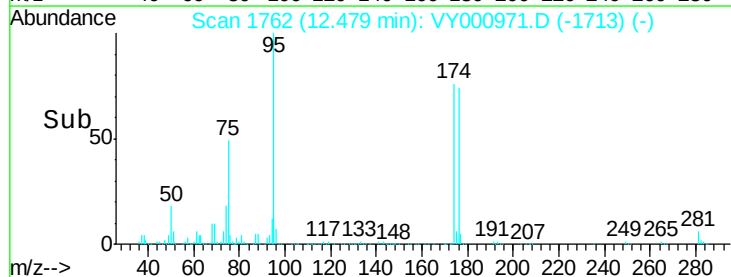
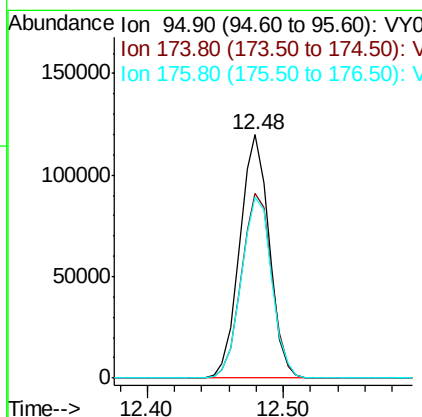
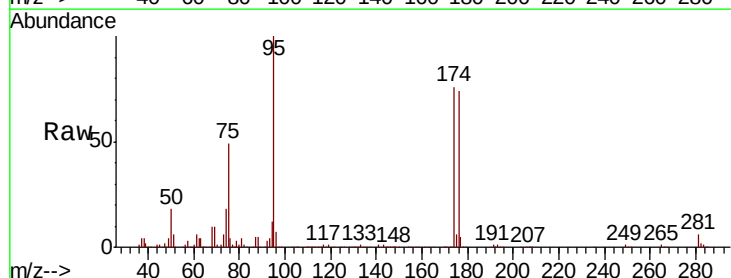
Instrument :
MSVOA_Y
ClientSampleId :
VY1217SBL01

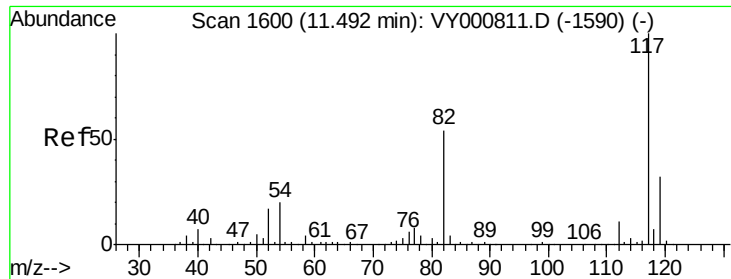
Tgt Ion: 43 Resp: 2127
Ion Ratio Lower Upper
43 100
58 52.5 29.0 87.1



#62
4-Bromofluorobenzene
Concen: 44.928 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000971.D
Acq: 17 Dec 2019 12:18

Tgt Ion: 95 Resp: 181180
Ion Ratio Lower Upper
95 100
174 78.3 0.0 150.6
176 77.1 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: VY000971.D

Acq: 17 Dec 2019 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VY1217SBL01

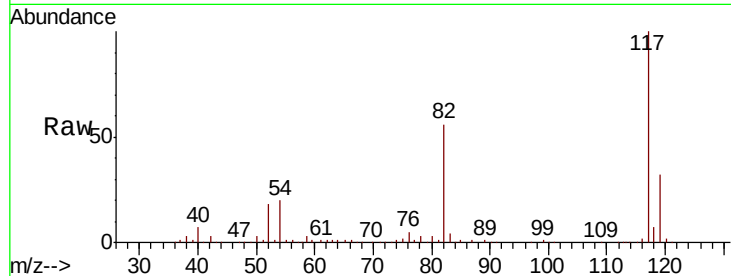
Tgt Ion:117 Resp: 415010

Ion Ratio Lower Upper

117 100

82 56.2 43.1 64.7

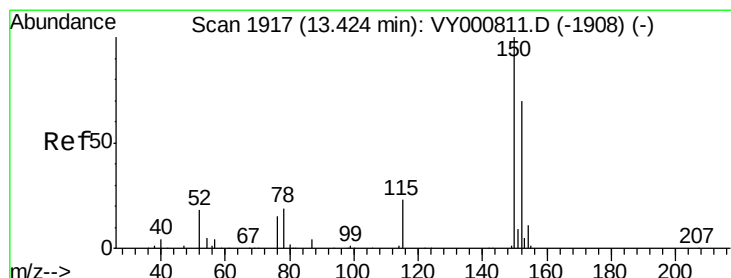
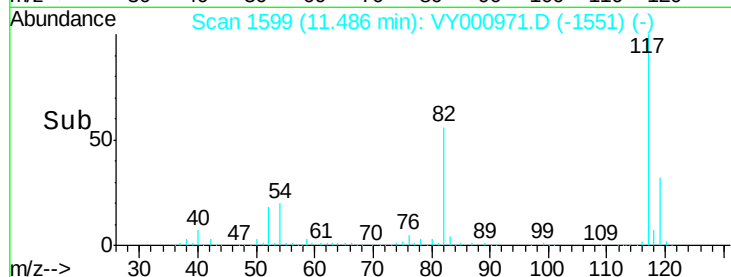
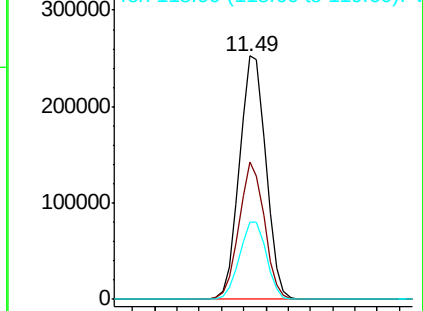
119 31.6 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY000971.D

Acq: 17 Dec 2019 12:18

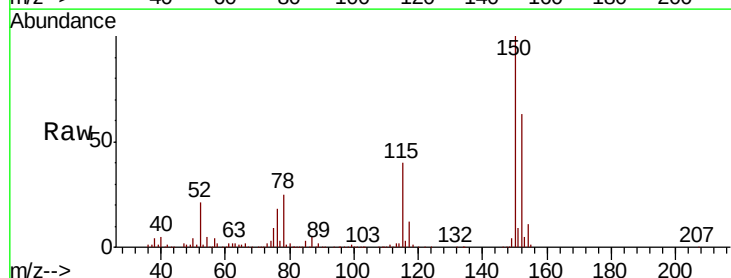
Tgt Ion:152 Resp: 183459

Ion Ratio Lower Upper

152 100

115 60.8 29.3 87.8

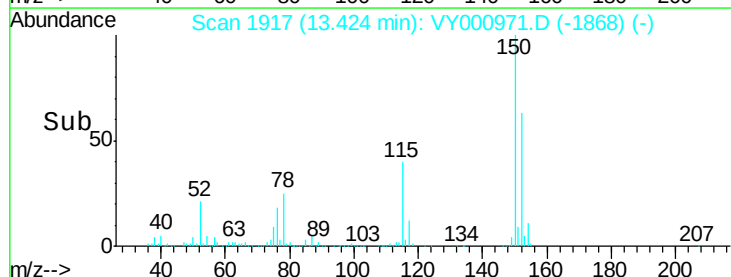
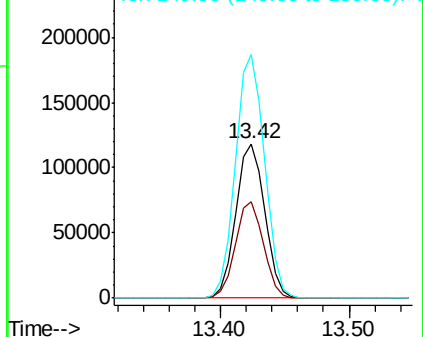
150 159.6 0.0 351.2

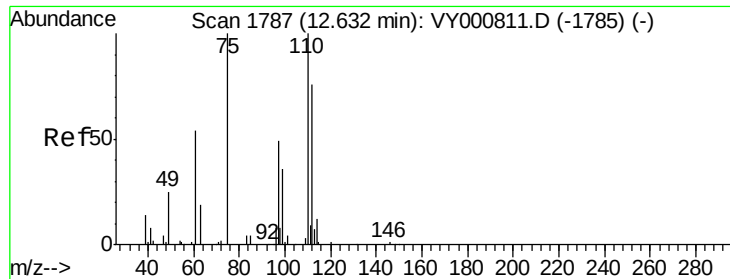


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 44.850 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000971.D

Acq: 17 Dec 2019 12:18

Instrument :

MSVOA_Y

ClientSampleId :

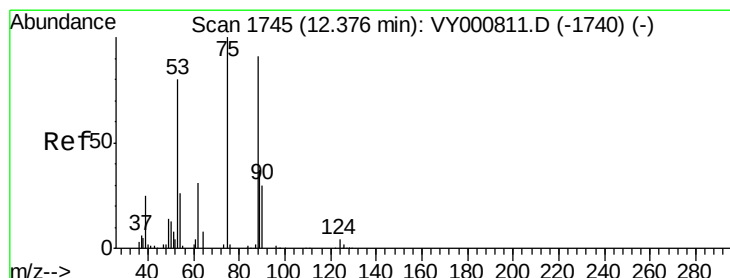
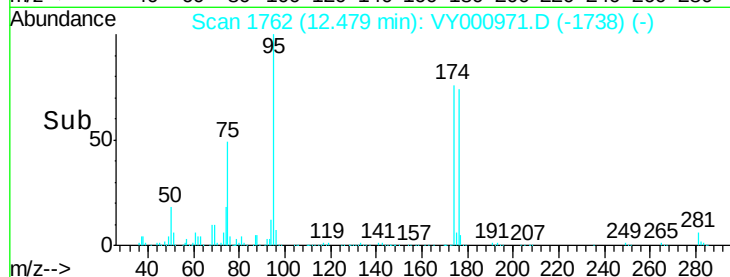
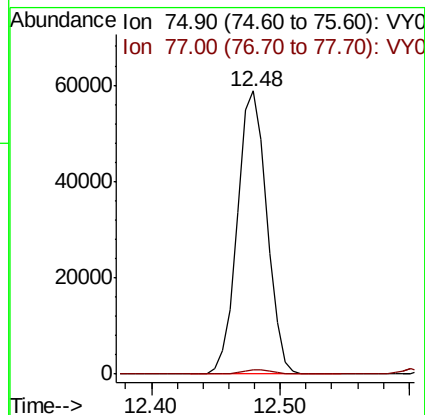
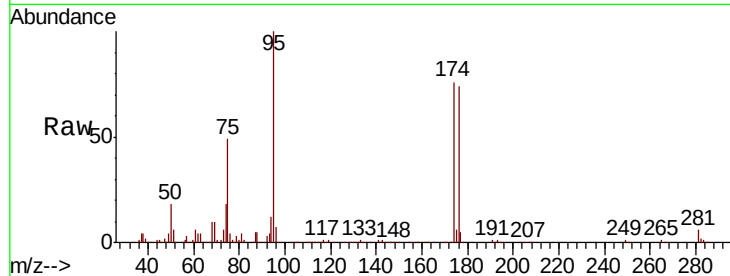
VY1217SBL01

Tgt Ion: 75 Resp: 93223

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 88.097 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000971.D

Acq: 17 Dec 2019 12:18

Tgt Ion: 75 Resp: 93223

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.2 33.6 50.4#

