

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121819\
 Data File : VY000998.D
 Acq On : 18 Dec 2019 14:33
 Operator : SY/MD
 Sample : K6299-01
 Misc : 5.27G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 19 04:42:31 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	37381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	63156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	46933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	19227	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	16422	41.34	ug/l	0.00
Spiked Amount			Recovery	=	82.68%	
35) Dibromofluoromethane	7.73	113	16268	44.20	ug/l	0.00
Spiked Amount			Recovery	=	88.40%	
50) Toluene-d8	10.18	98	70295	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
62) 4-Bromofluorobenzene	12.48	95	19138	34.63	ug/l	0.00
Spiked Amount			Recovery	=	69.26%	

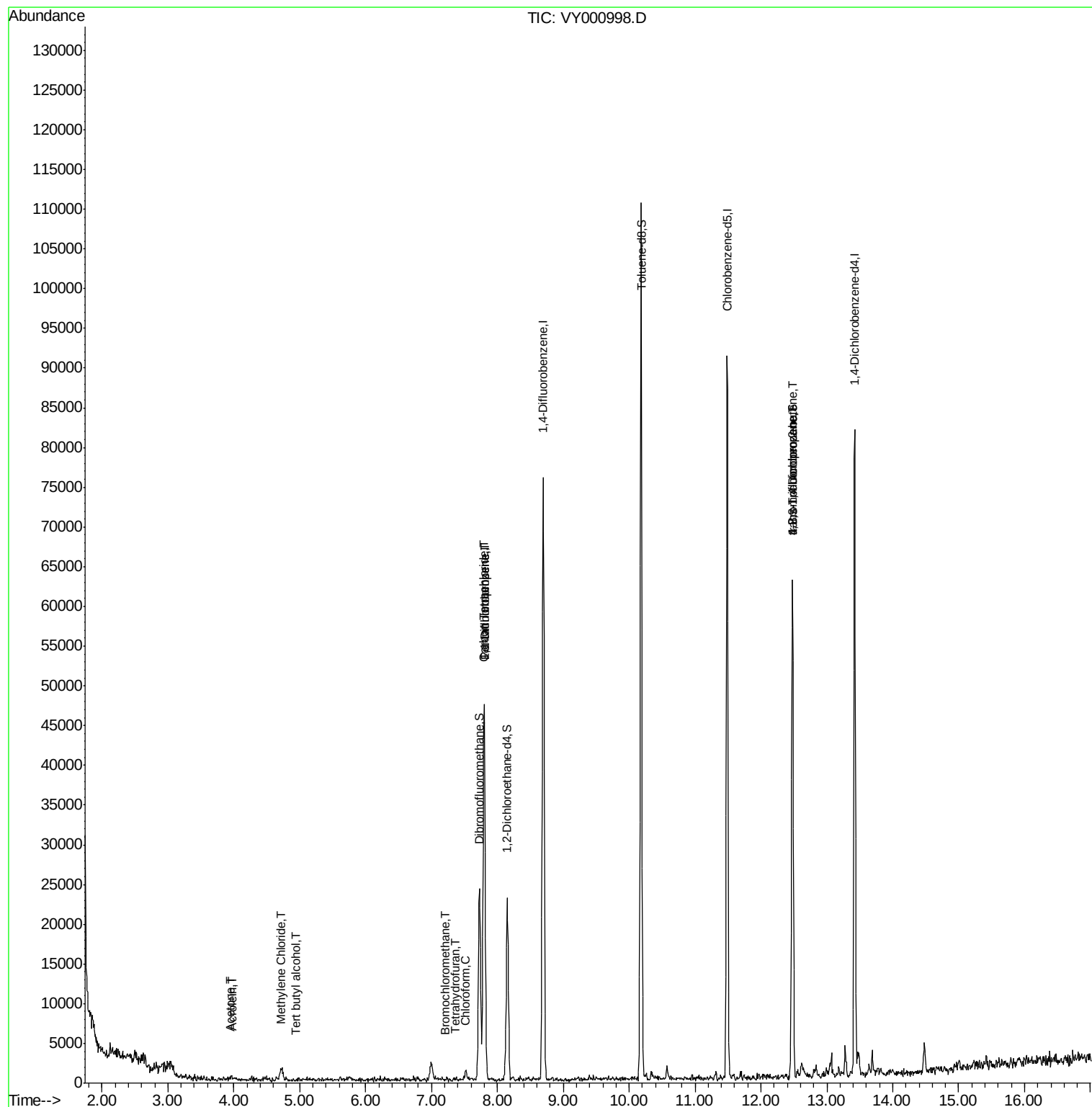
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.66	94	57	Below Cal	#	64
11) Tert butyl alcohol	4.95	59	87	2.18	ug/l #	74
13) Acrolein	3.97	56	64	1.63	ug/l #	15
16) Acetone	3.94	43	264	2.90	ug/l #	76
20) Methylene Chloride	4.71	84	624	1.30	ug/l #	59
28) Bromochloromethane	7.21	49	36	2.13	ug/l #	15
29) Tetrahydrofuran	7.36	42	128	1.15	ug/l #	52
30) Chloroform	7.51	83	1077	1.35	ug/l #	55
36) 1,1-Dichloropropene	7.80	75	3375	5.37	ug/l #	43
38) Carbon Tetrachloride	7.79	117	3823	6.84	ug/l #	13
76) 1,2,3-Trichloropropane	12.48	75	10025	46.02	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	10025	90.40	ug/l #	17

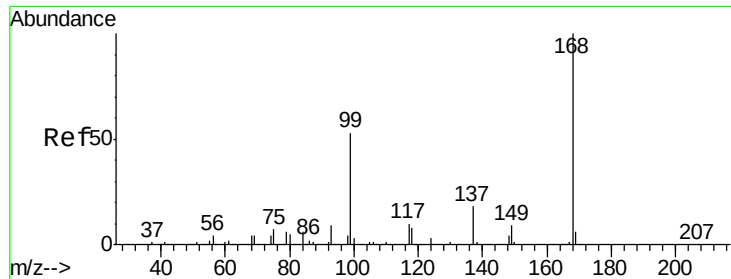
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000998.D

Acq: 18 Dec 2019 14:33

Instrument :

MSVOA_Y

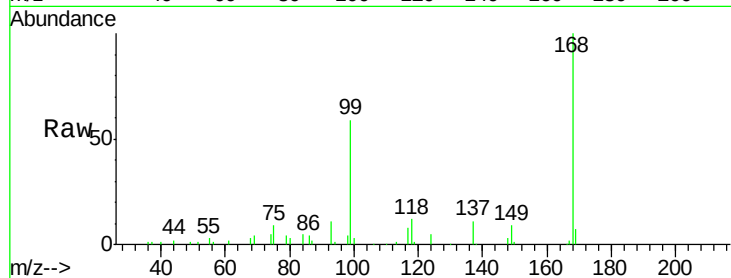
ClientSampleId :

Tot Ion:168 Resp: 37381

Ion Ratio Lower Upper

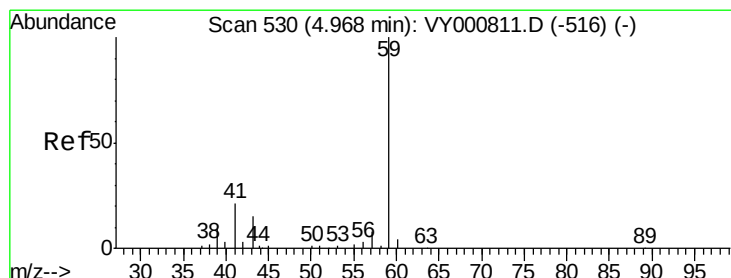
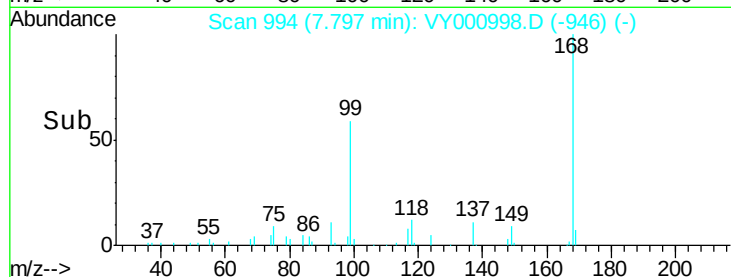
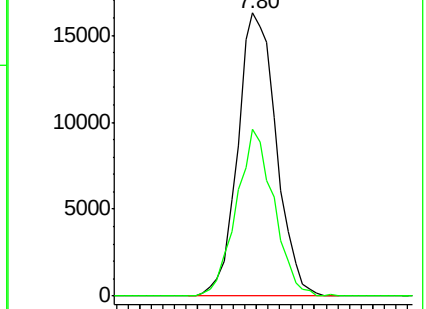
168 100

99 58.9 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000998.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000998.D (-946) (-)



#11

Tert butyl alcohol

Concen: 2.18 ug/l

RT: 4.95 min Scan# 527

Delta R.T. -0.02 min

Lab File: VY000998.D

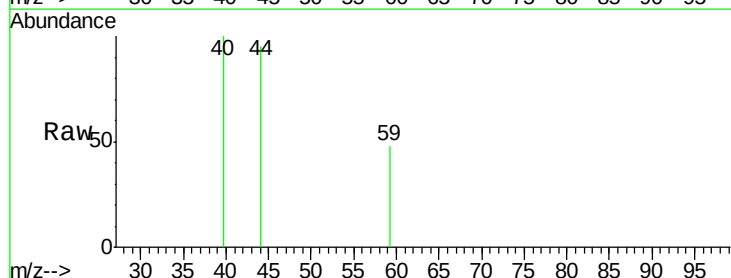
Acq: 18 Dec 2019 14:33

Tgt Ion: 59 Resp: 87

Ion Ratio Lower Upper

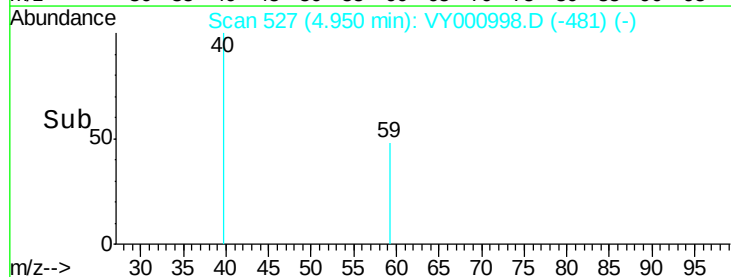
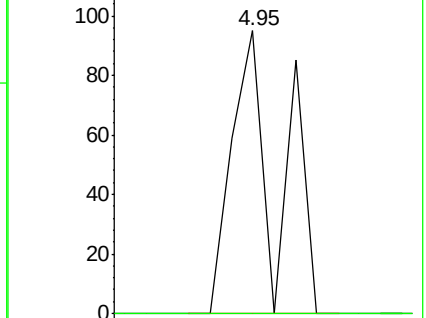
59 100

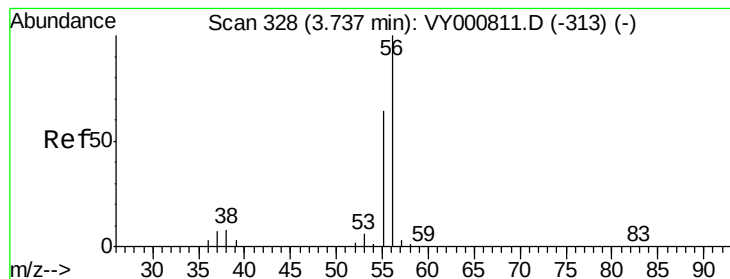
57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY000998.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY000998.D (-481) (-)





#13

Acrolein

Concen: 1.63 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.23 min

Lab File: VY000998.D

Acq: 18 Dec 2019 14:33

Instrument :

MSVOA_Y

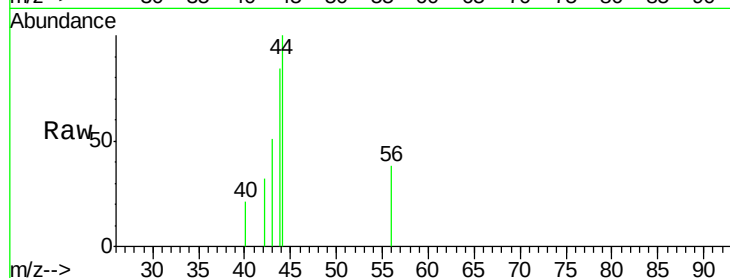
ClientSampled :

Tot Ion: 56 Resp: 64

Ion Ratio Lower Upper

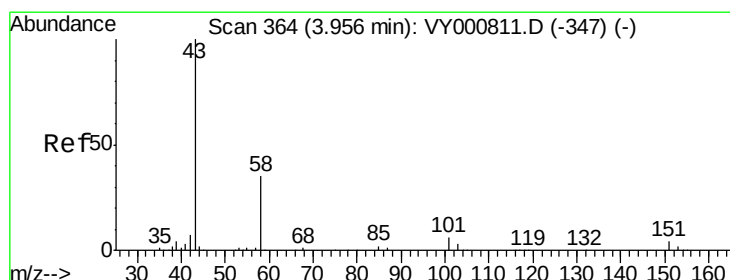
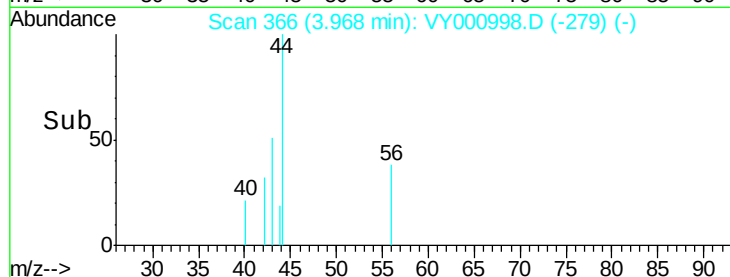
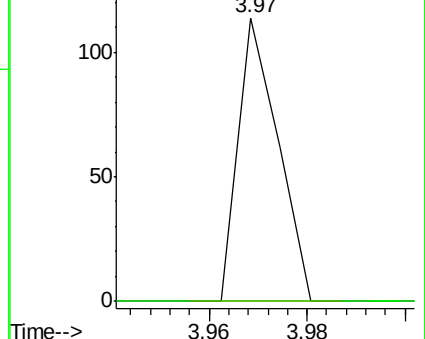
56 100

55 0.0 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#16

Acetone

Concen: 2.90 ug/l

RT: 3.94 min Scan# 362

Delta R.T. -0.01 min

Lab File: VY000998.D

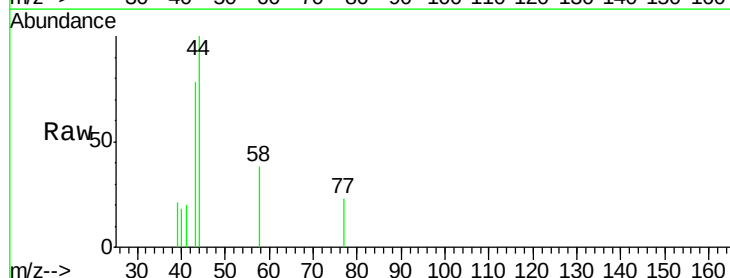
Acq: 18 Dec 2019 14:33

Tgt Ion: 43 Resp: 264

Ion Ratio Lower Upper

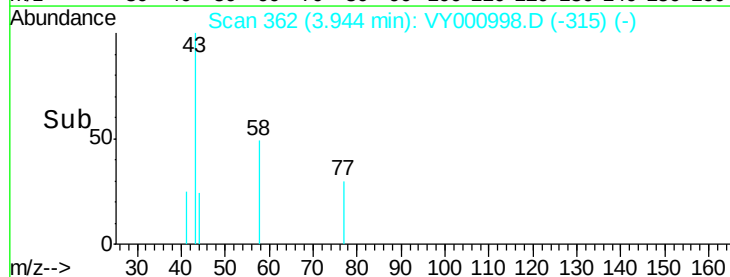
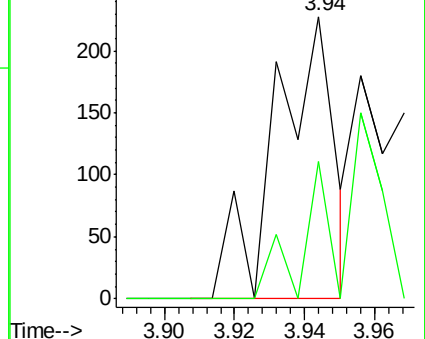
43 100

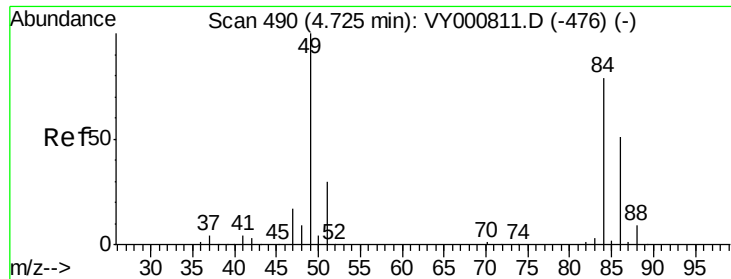
58 48.7 28.0 42.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

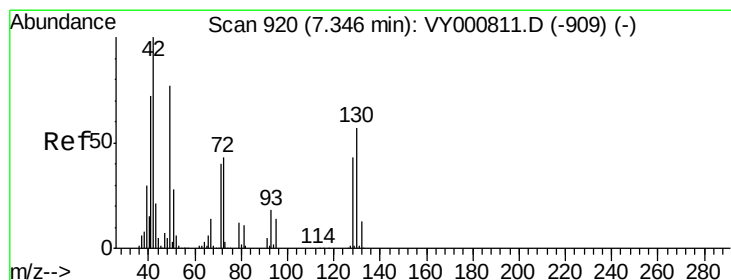
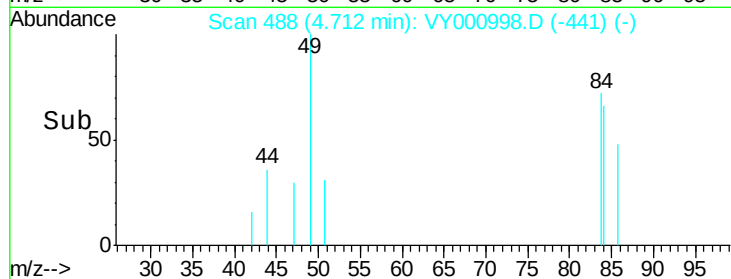
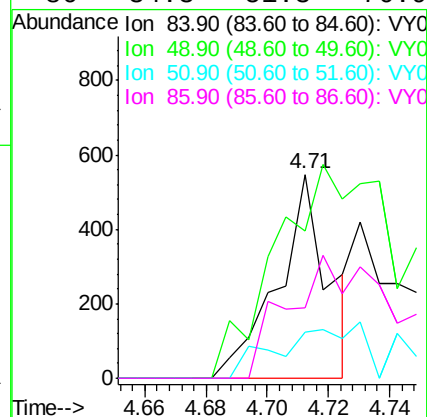
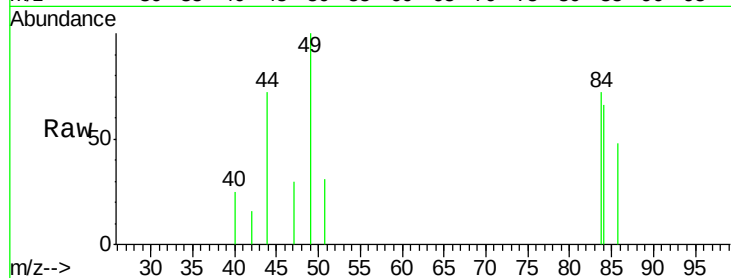




#20
Methvlene Chloride
Concen: 1.30 ug/l
RT: 4.71 min Scan# 488
Delta R.T. -0.01 min
Lab File: VY000998.D
Acq: 18 Dec 2019 14:33

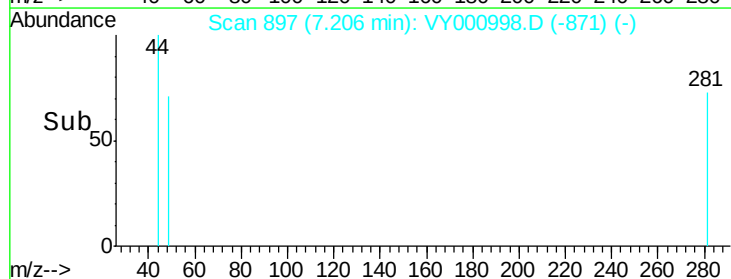
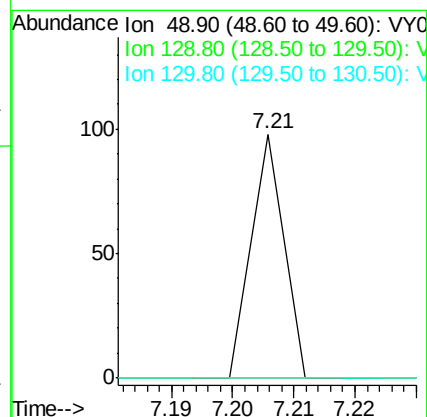
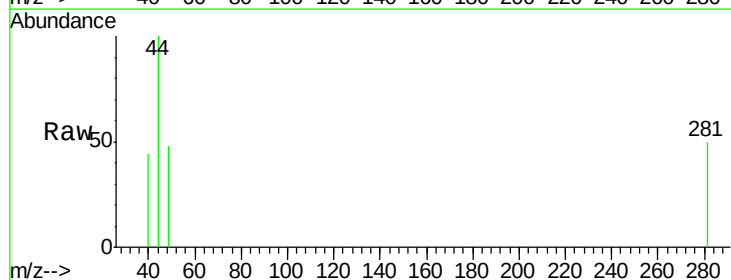
Instrument :
MSVOA_Y
ClientSampleId :

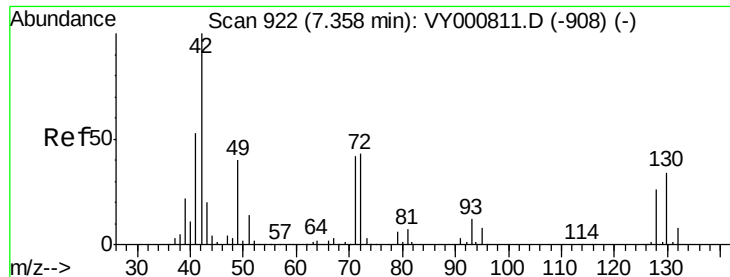
Tot Ion: 84 Resp: 624
Ion Ratio Lower Upper
84 100
49 72.1 101.3 151.9#
51 22.4 30.6 45.8#
86 34.3 51.3 76.9#



#28
Bromochloromethane
Concen: 2.13 ug/l
RT: 7.21 min Scan# 897
Delta R.T. -0.14 min
Lab File: VY000998.D
Acq: 18 Dec 2019 14:33

Tgt Ion: 49 Resp: 36
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 58.7 88.1#





#29

Tetrahydrofuran

Concen: 1.15 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.01 min

Lab File: VY000998.D

Acq: 18 Dec 2019 14:33

Instrument :

MSVOA_Y

ClientSampled :

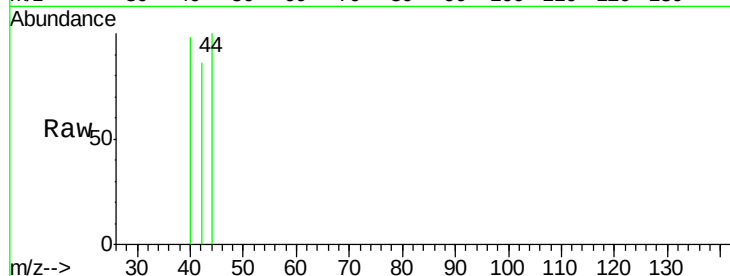
Tot Ion: 42 Resp: 128

Ion Ratio Lower Upper

42 100

72 0.0 35.1 52.7#

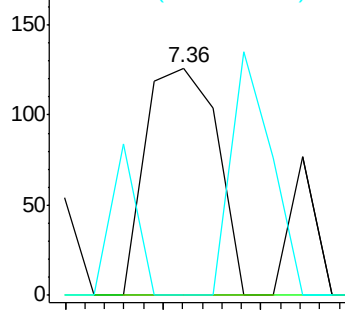
71 24.2 32.8 49.2#



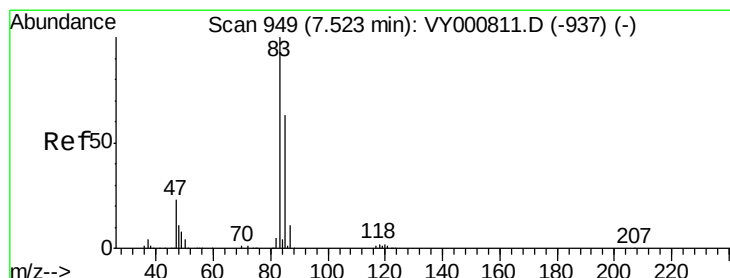
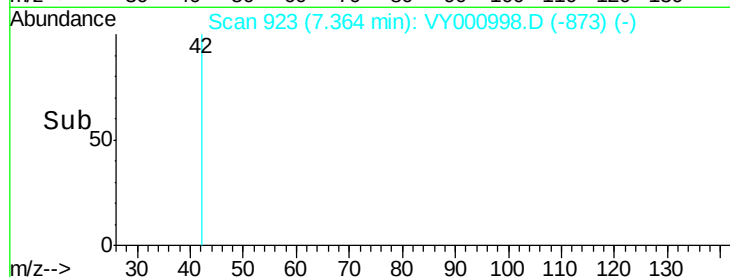
Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



Time-->



#30

Chloroform

Concen: 1.35 ug/l

RT: 7.51 min Scan# 947

Delta R.T. -0.01 min

Lab File: VY000998.D

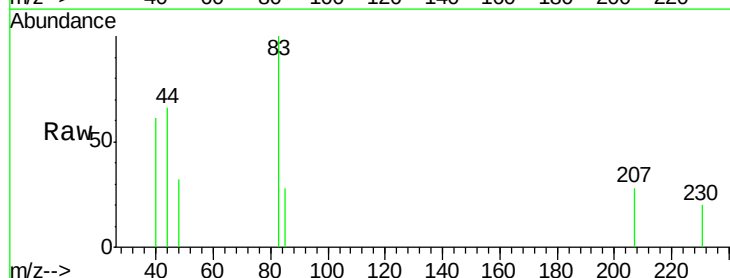
Acq: 18 Dec 2019 14:33

Tgt Ion: 83 Resp: 1077

Ion Ratio Lower Upper

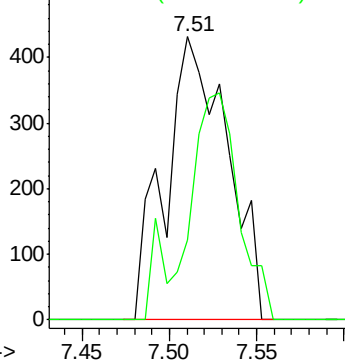
83 100

85 28.2 50.4 75.6#

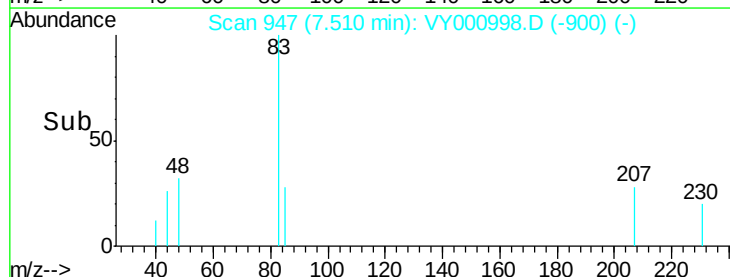


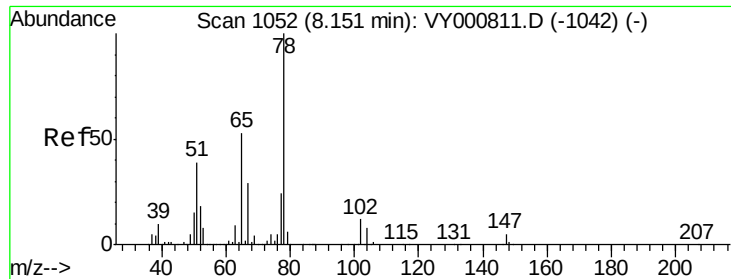
Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0



Time-->

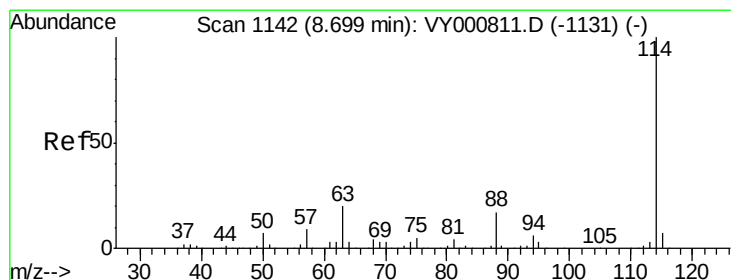
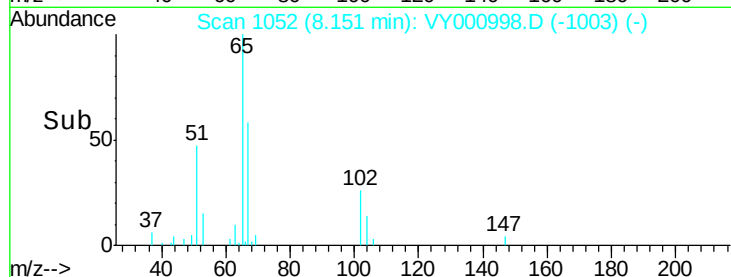
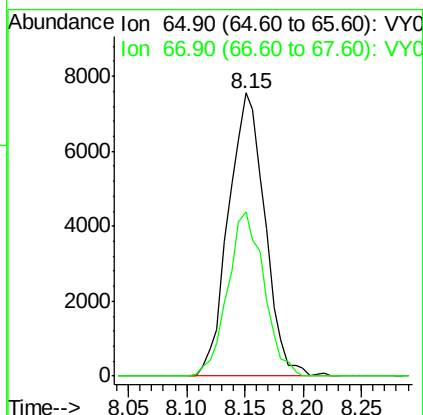
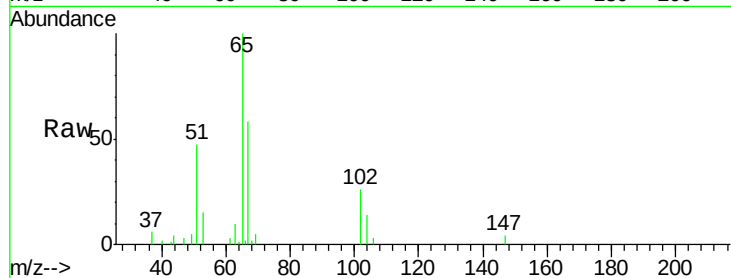




#33
 1,2-Dichloroethane-d4
 Concen: 41.34 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000998.D
 Acq: 18 Dec 2019 14:33

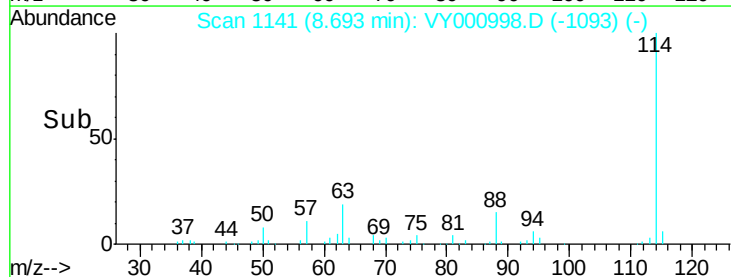
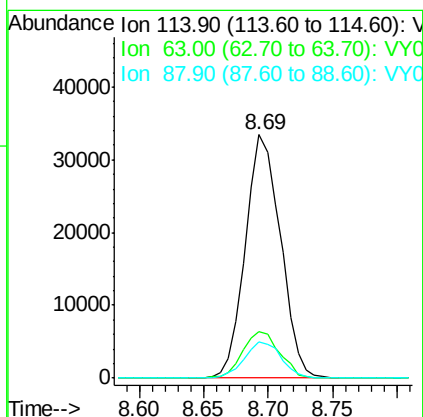
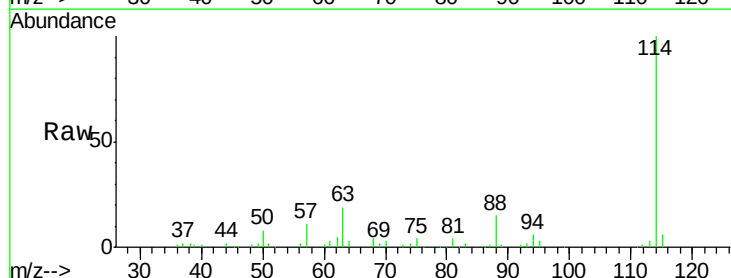
Instrument :
 MSVOA_Y
 ClientSampleId :

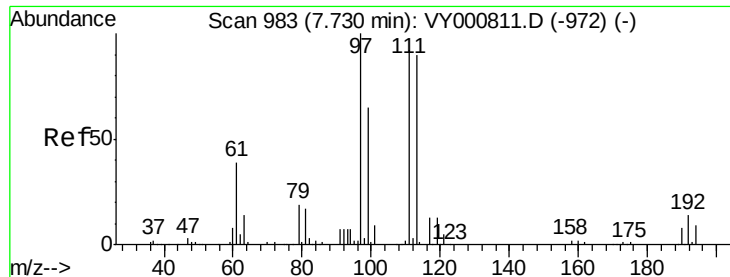
Tot Ion: 65 Resp: 16422
 Ion Ratio Lower Upper
 65 100
 67 57.7 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000998.D
 Acq: 18 Dec 2019 14:33

Tgt Ion: 114 Resp: 63156
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.8
 88 15.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 44.20 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000998.D

Acq: 18 Dec 2019 14:33

Instrument :
MSVOA_Y
ClientSampled :

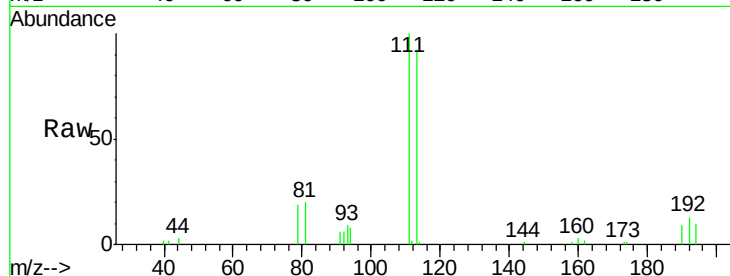
Tot Ion:113 Resp: 16268

Ion Ratio Lower Upper

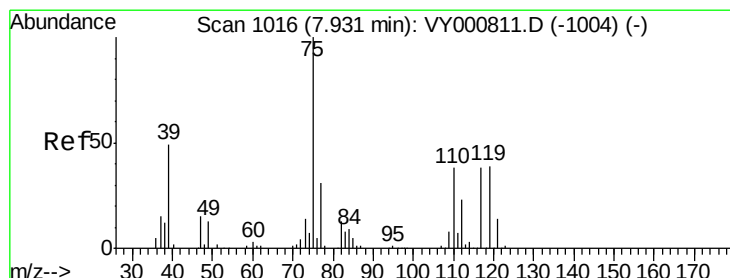
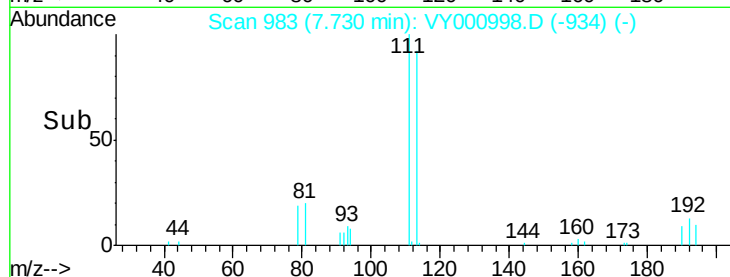
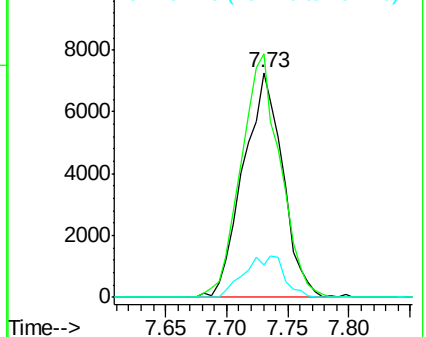
113 100

111 107.7 82.4 123.6

192 18.7 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: 5.37 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000998.D

Acq: 18 Dec 2019 14:33

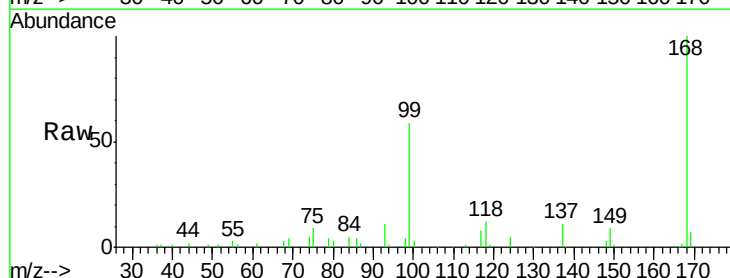
Tgt Ion: 75 Resp: 3375

Ion Ratio Lower Upper

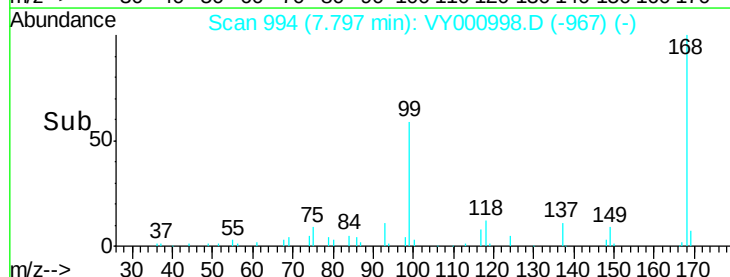
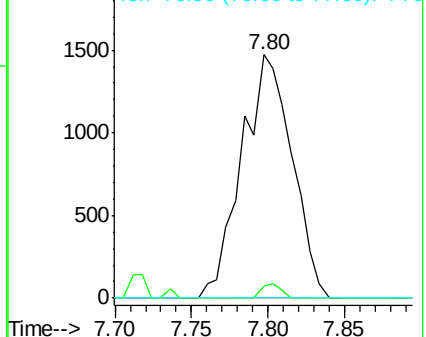
75 100

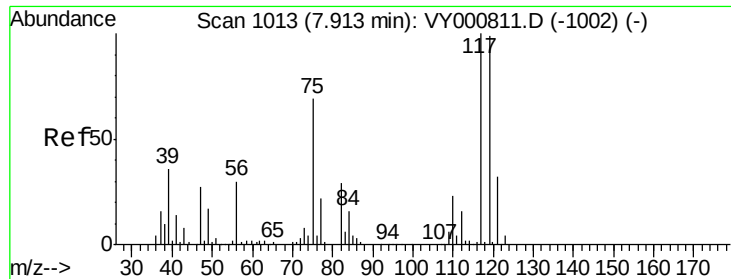
110 2.3 17.9 53.7#

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

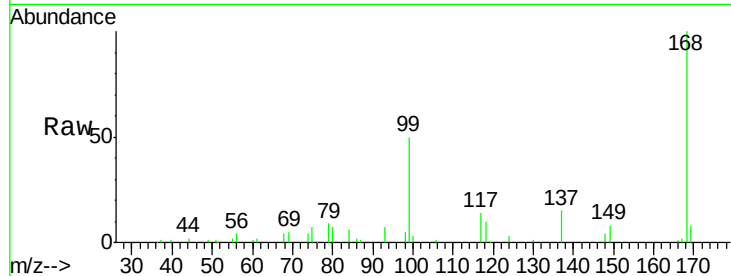




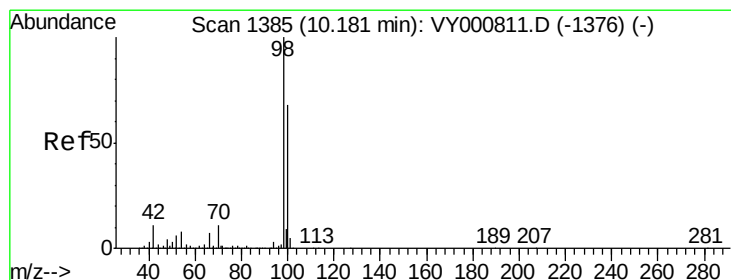
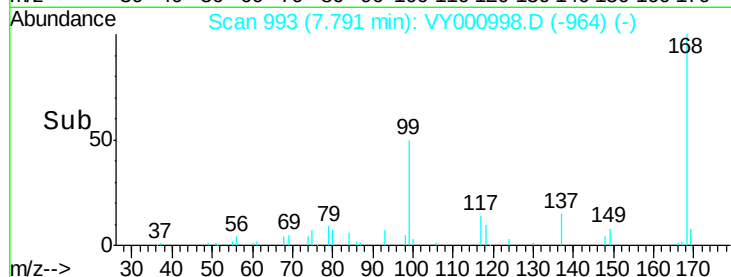
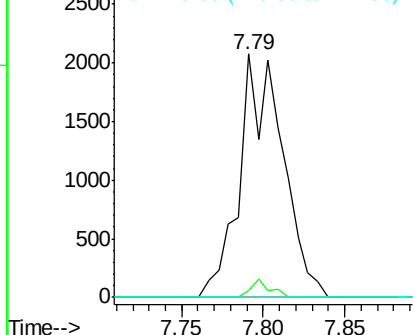
#38
 Carbon Tetrachloride
 Concen: 6.84 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VY000998.D
 Acq: 18 Dec 2019 14:33

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion:117 Resp: 3823
 Ion Ratio Lower Upper
 117 100
 119 2.9 79.3 118.9#
 121 0.0 25.5 38.3#

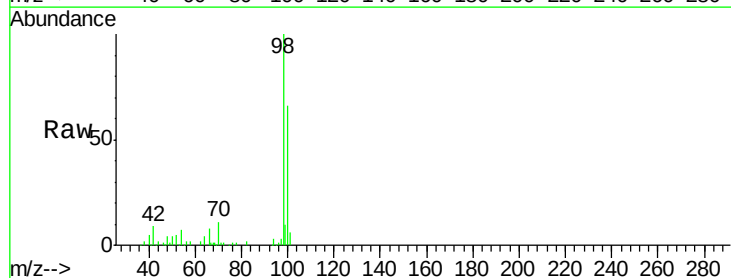


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

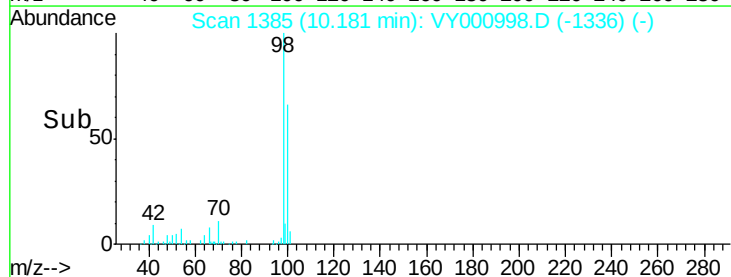
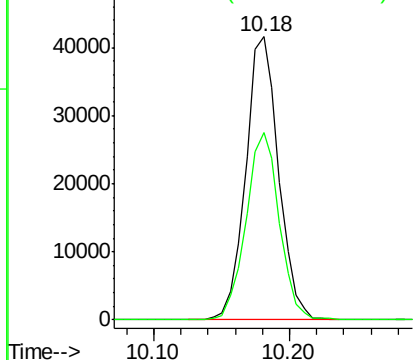


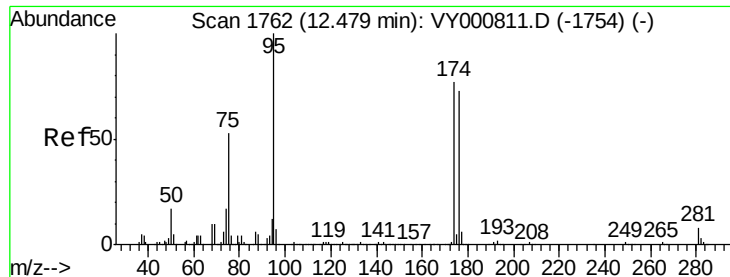
#50
 Toluene-d8
 Concen: 47.77 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: VY000998.D
 Acq: 18 Dec 2019 14:33

Tgt Ion: 98 Resp: 70295
 Ion Ratio Lower Upper
 98 100
 100 67.1 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0
 Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 34.63 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000998.D

Acq: 18 Dec 2019 14:33

Instrument :

MSVOA_Y

ClientSampleId :

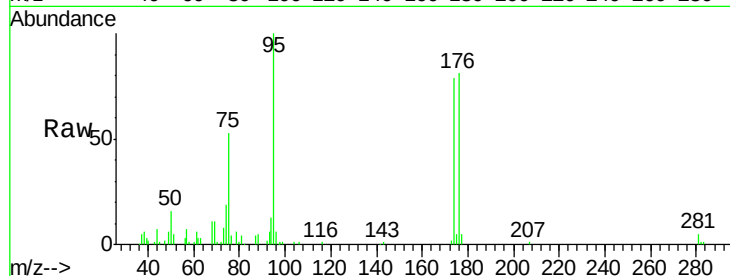
Tot Ion: 95 Resp: 19138

Ion Ratio Lower Upper

95 100

174 80.1 0.0 150.6

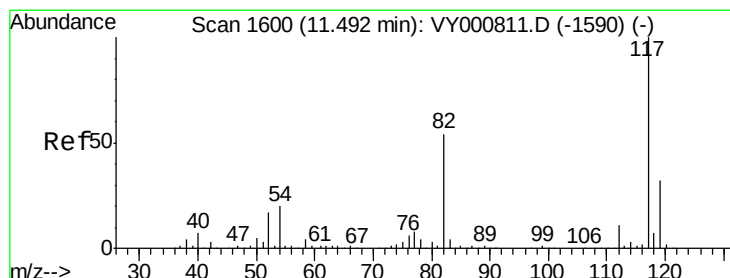
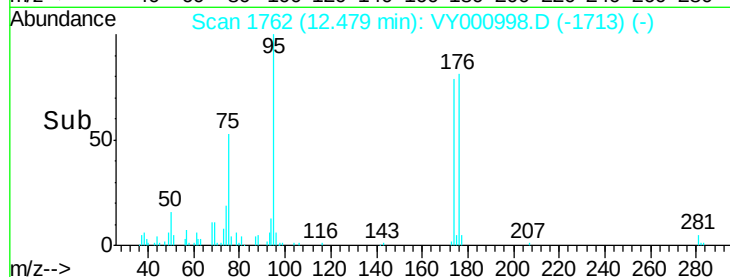
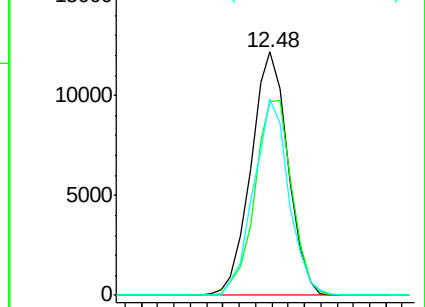
176 77.1 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VY000998.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY000998.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY000998.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY000998.D

Acq: 18 Dec 2019 14:33

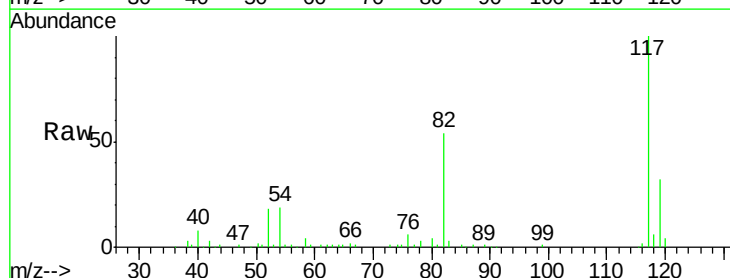
Tgt Ion: 117 Resp: 46933

Ion Ratio Lower Upper

117 100

82 54.4 43.1 64.7

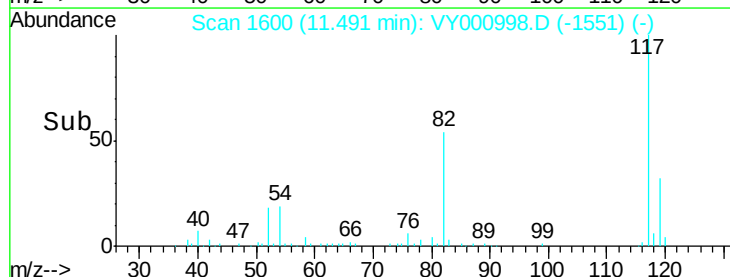
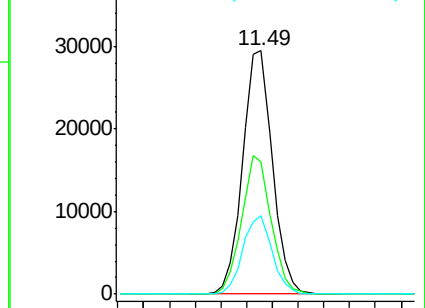
119 32.4 25.3 37.9

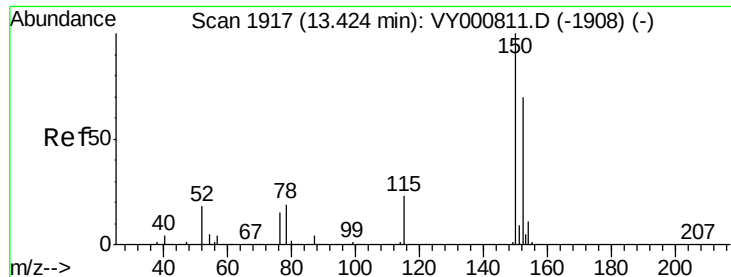


Abundance Ion 116.90 (116.60 to 117.60): VY000998.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY000998.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY000998.D (-1551) (-)



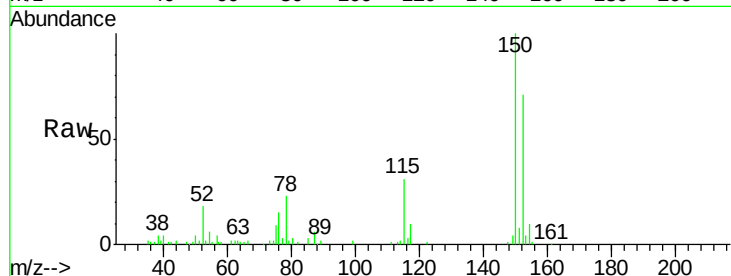


#72

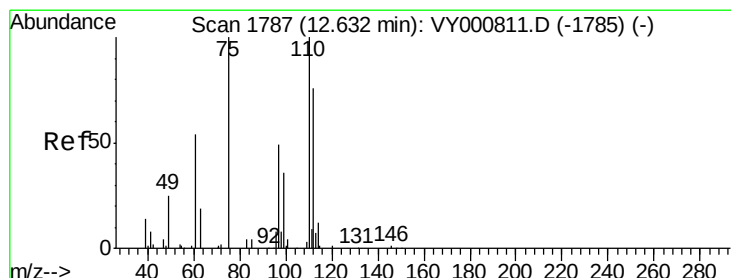
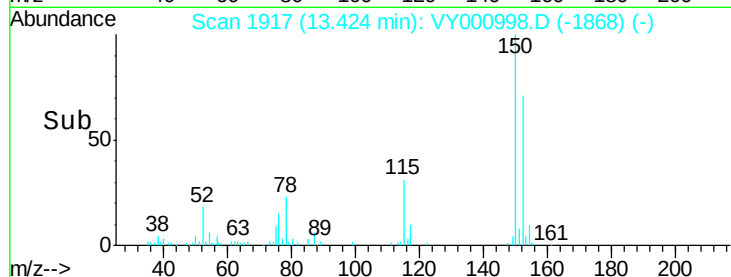
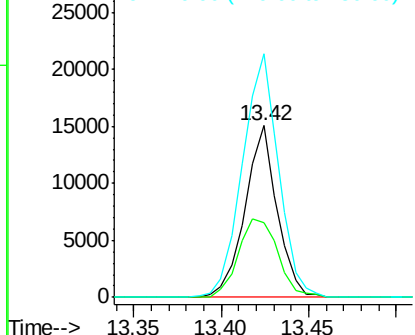
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000998.D
Acq: 18 Dec 2019 14:33

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:152 Resp: 19227
Ion Ratio Lower Upper
152 100
115 55.9 29.3 87.8
150 158.6 0.0 351.2



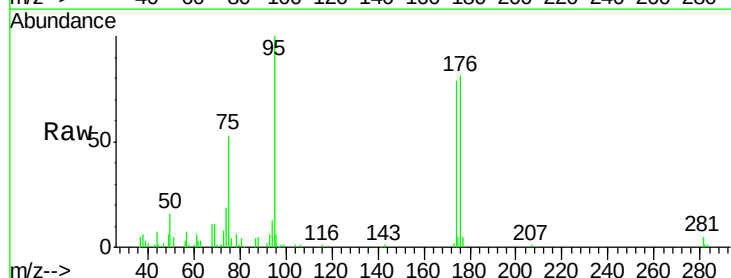
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



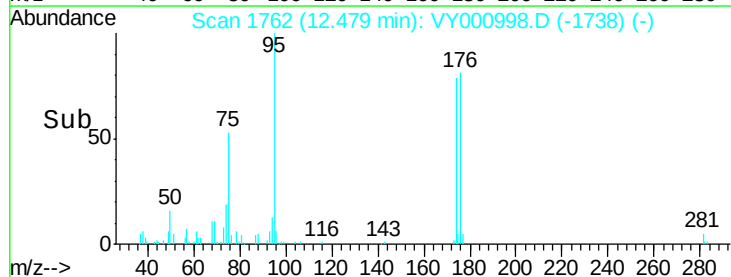
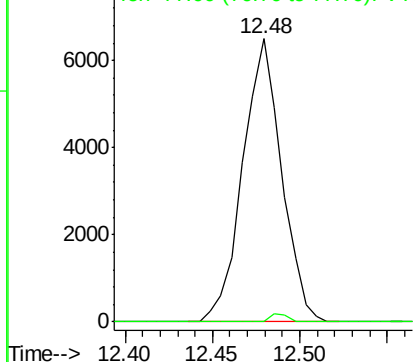
#76

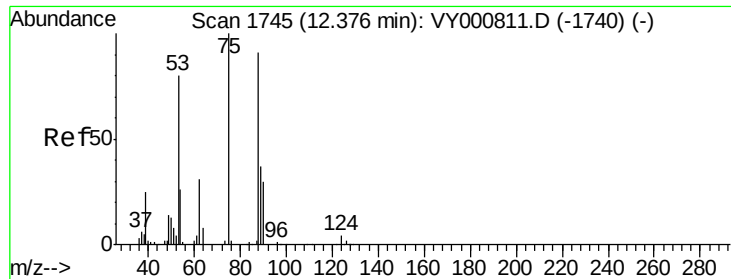
1,2,3-Trichloropropane
Concen: 46.02 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000998.D
Acq: 18 Dec 2019 14:33

Tgt Ion: 75 Resp: 10025
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



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





#81

trans-1,4-Dichloro-2-butene

Concen: 90.40 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000998.D

Acq: 18 Dec 2019 14:33

Instrument :

MSVOA_Y

ClientSampleId :

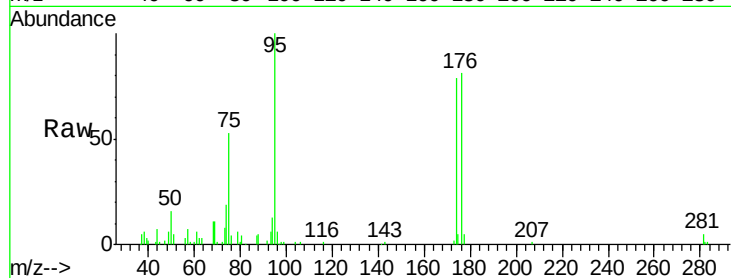
Tot Ion: 75 Resp: 10025

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.0 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

