

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121819\
 Data File : VY001001.D
 Acq On : 18 Dec 2019 17:13
 Operator : SY/MD
 Sample : K6370-05
 Misc : 5.59G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 19 04:43:17 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	80168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	136006	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	109935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	44347	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	40096	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	
35) Dibromofluoromethane	7.73	113	38306	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
50) Toluene-d8	10.18	98	157475	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.48	95	44752	37.60	ug/l	0.00
Spiked Amount			Recovery	=	75.20%	

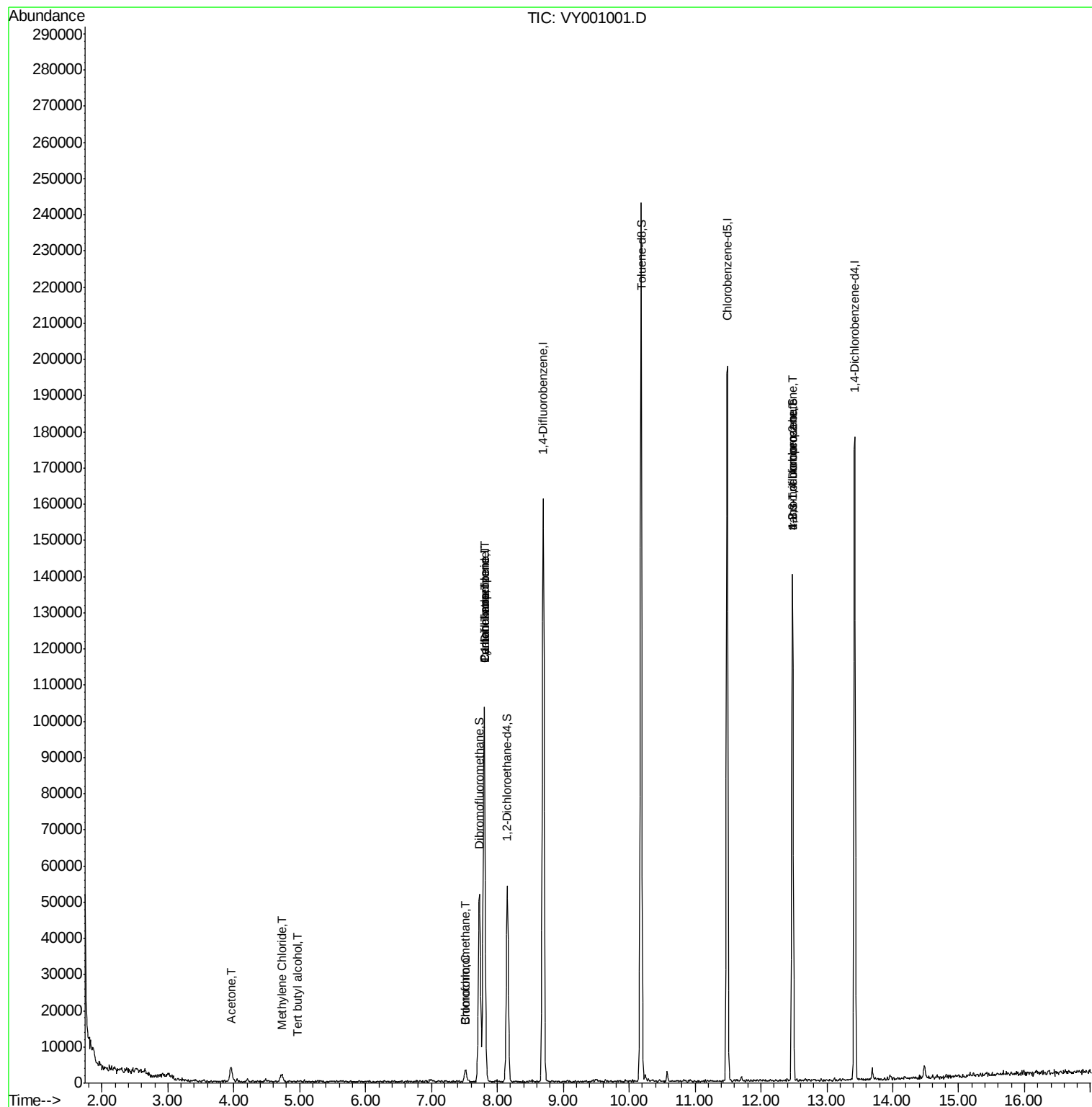
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	20	Below Cal	#	43
11) Tert butyl alcohol	4.97	59	203	2.37	ug/l #	74
16) Acetone	3.95	43	6777	34.68	ug/l	99
20) Methylene Chloride	4.72	84	1557	1.51	ug/l #	68
28) Bromochloromethane	7.51	49	200	2.32	ug/l #	15
30) Chloroform	7.52	83	3143	1.84	ug/l	99
31) Cyclohexane	7.80	56	1860	1.03	ug/l #	34
36) 1,1-Dichloropropene	7.80	75	6544	4.84	ug/l #	50
38) Carbon Tetrachloride	7.80	117	7584	6.30	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	22566	44.91	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	22566	88.22	ug/l #	18

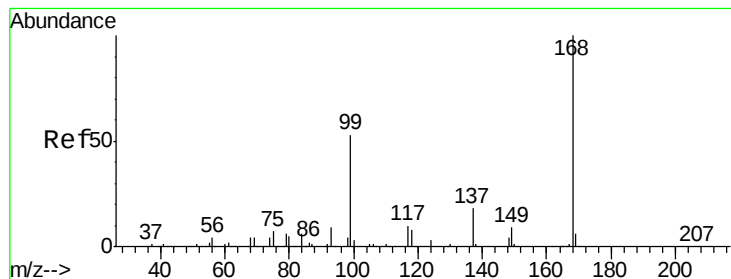
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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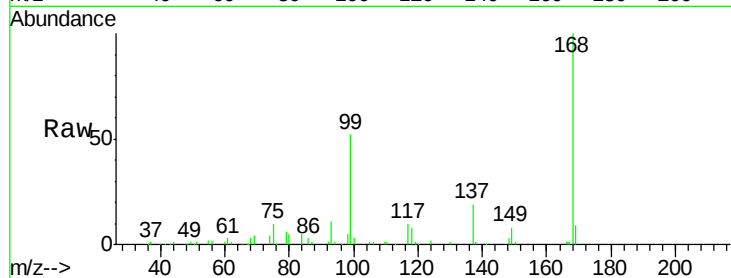


#1

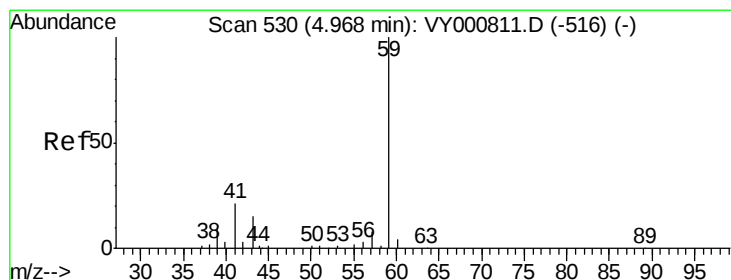
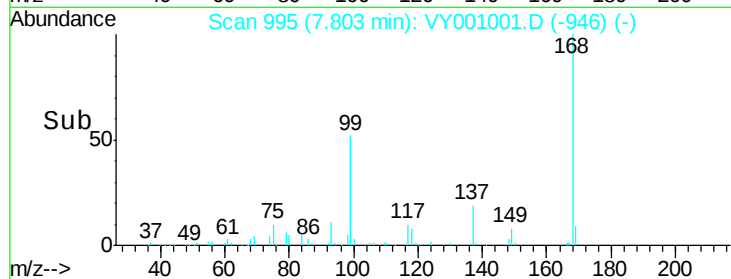
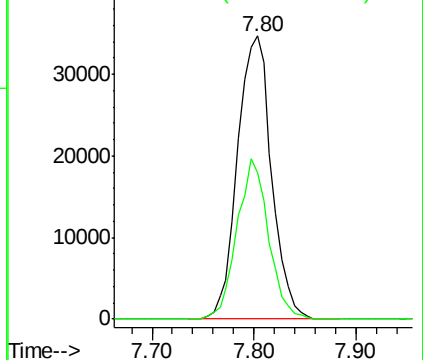
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VY001001.D
 Acq: 18 Dec 2019 17:13

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
168	100		
99	51.8	45.0	67.6



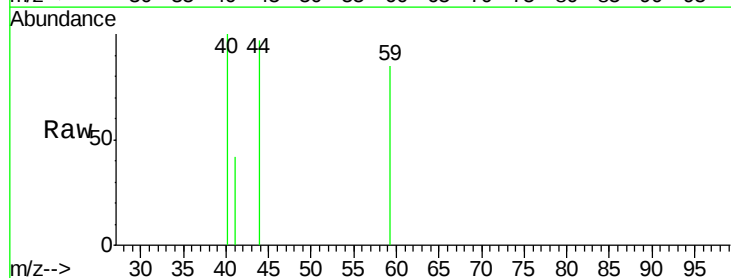
Abundance Ion 167.90 (167.60 to 168.60): VY001001.D (-946) (-)
 Ion 98.90 (98.60 to 99.60): VY001001.D (-946) (-)



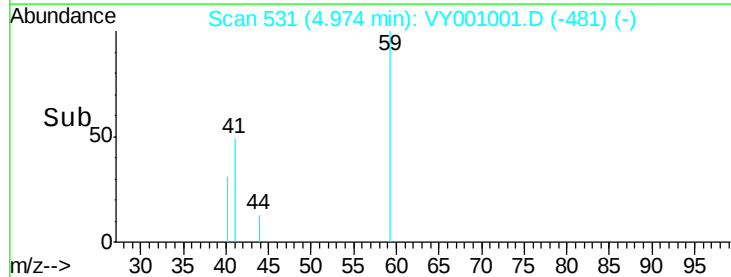
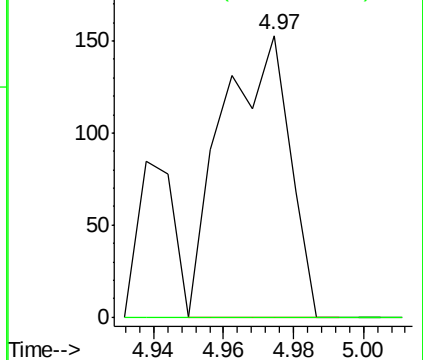
#11

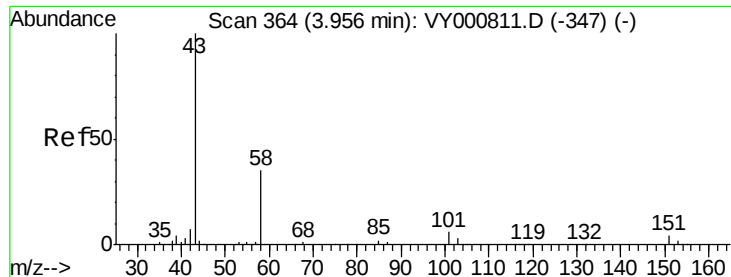
Tert butyl alcohol
 Concen: 2.37 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VY001001.D
 Acq: 18 Dec 2019 17:13

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001001.D (-481) (-)
 Ion 57.00 (56.70 to 57.70): VY001001.D (-481) (-)





#16

Acetone

Concen: 34.68 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY001001.D

Acq: 18 Dec 2019 17:13

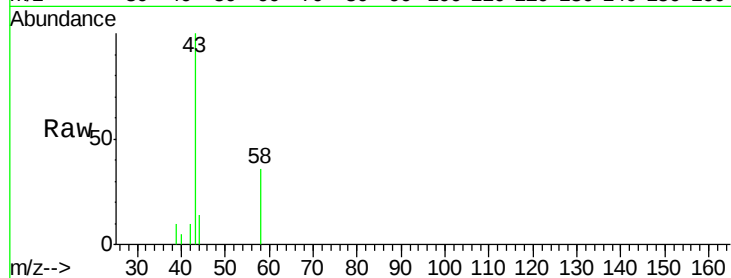
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 6777

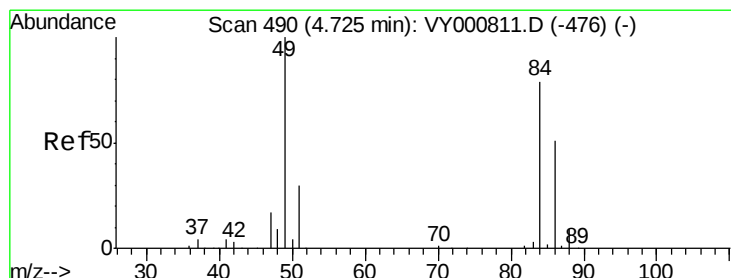
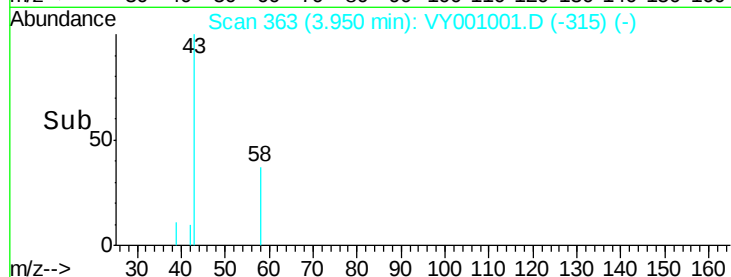
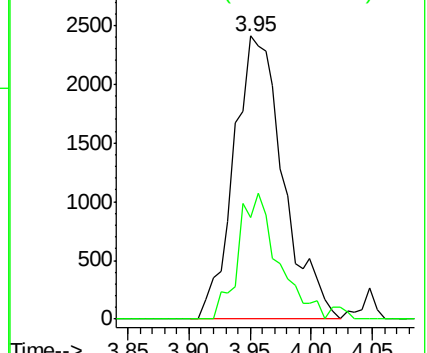
Ion Ratio Lower Upper

43 100

58 35.8 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: 1.51 ug/l

RT: 4.72 min Scan# 490

Delta R.T. -0.00 min

Lab File: VY001001.D

Acq: 18 Dec 2019 17:13

Tgt Ion: 84 Resp: 1557

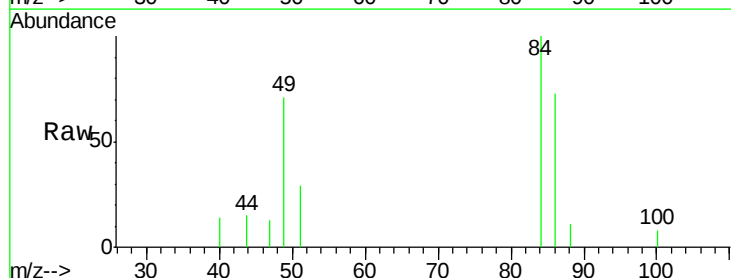
Ion Ratio Lower Upper

84 100

49 70.9 101.3 151.9#

51 29.1 30.6 45.8#

86 72.6 51.3 76.9

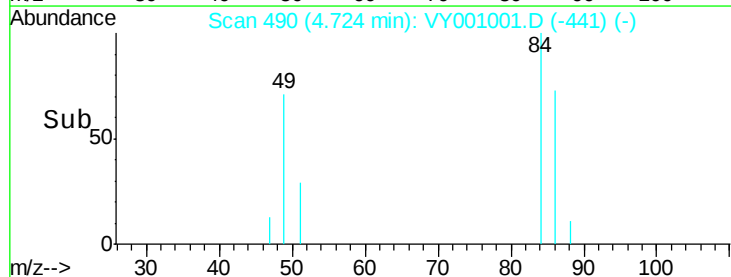
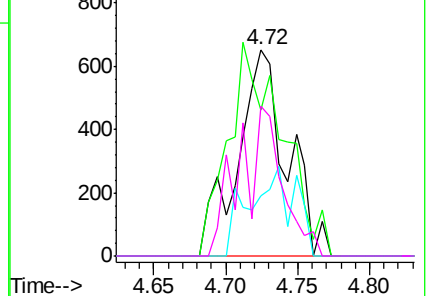


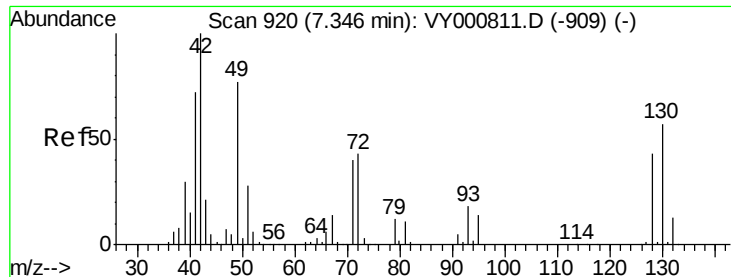
Abundance Ion 83.90 (83.60 to 84.60): VY0

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





#28

Bromochloromethane

Concen: 2.32 ug/l

RT: 7.51 min Scan# 947

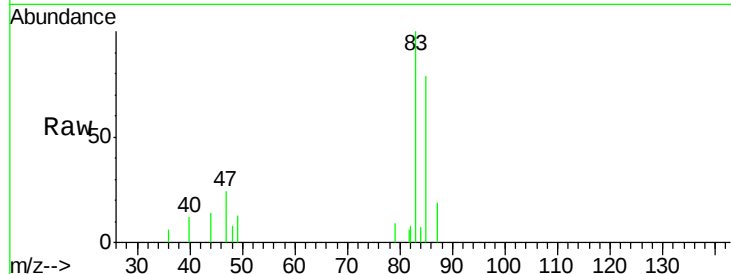
Delta R.T. 0.16 min

Lab File: VY001001.D

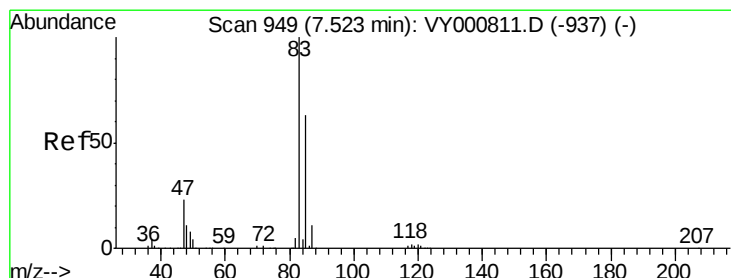
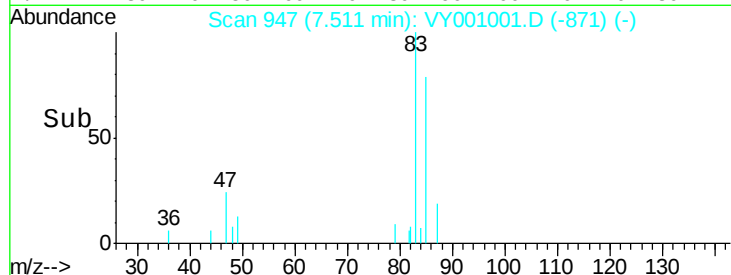
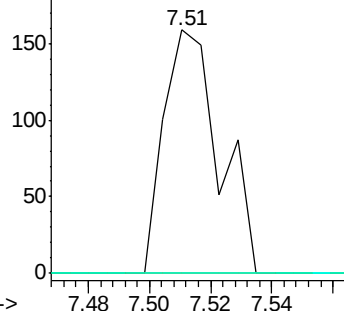
Acq: 18 Dec 2019 17:13

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 49 Resp: 200
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 58.7 88.1#



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0



#30

Chloroform

Concen: 1.84 ug/l

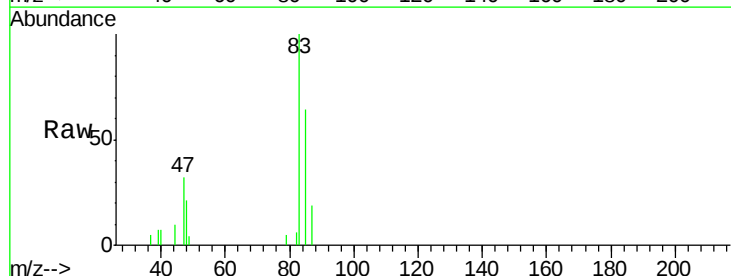
RT: 7.52 min Scan# 949

Delta R.T. -0.00 min

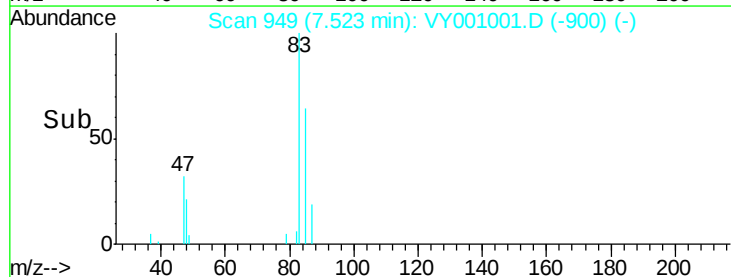
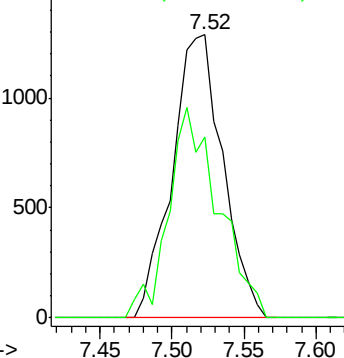
Lab File: VY001001.D

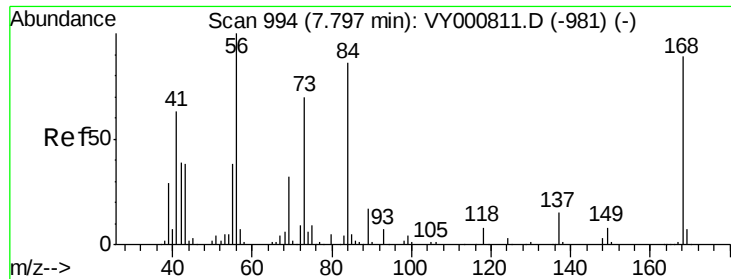
Acq: 18 Dec 2019 17:13

Tgt Ion: 83 Resp: 3143
Ion Ratio Lower Upper
83 100
85 64.1 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0

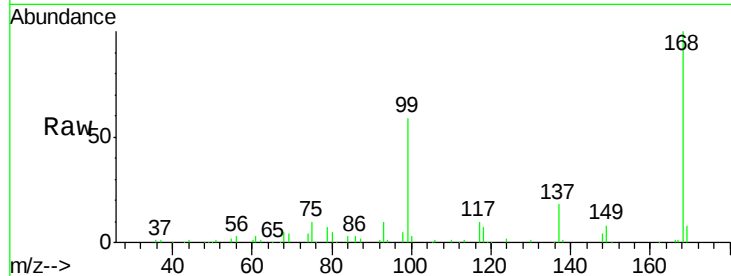




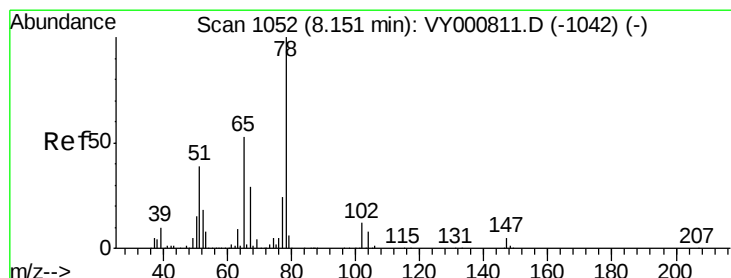
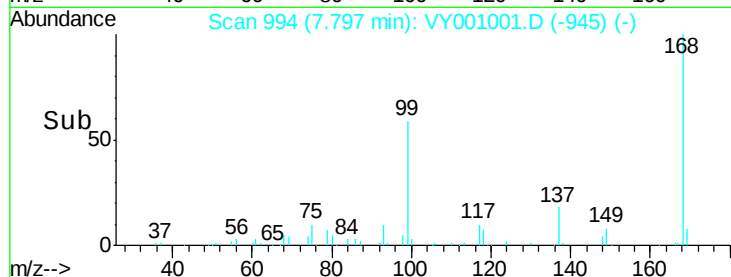
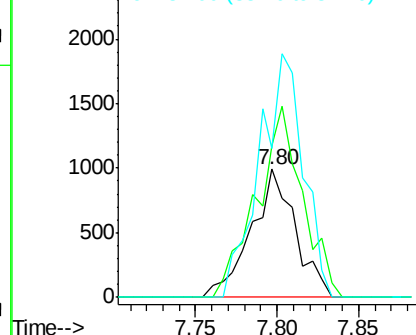
#31
Cyclohexane
Concen: 1.03 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY001001.D
Acq: 18 Dec 2019 17:13

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 1860
Ion Ratio Lower Upper
56 100
69 118.7 25.9 38.9#
84 115.8 68.6 102.8#

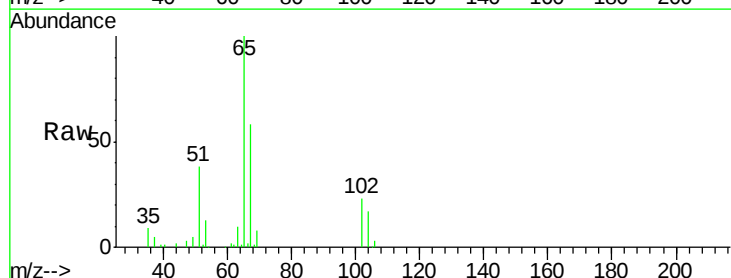


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

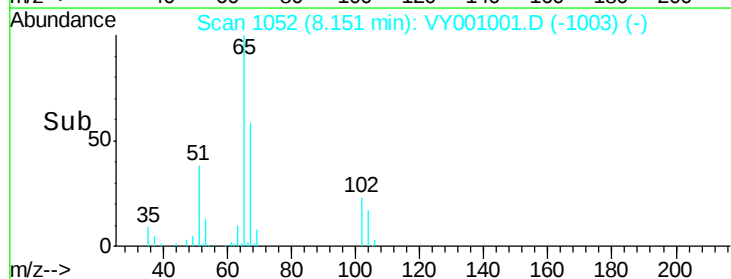
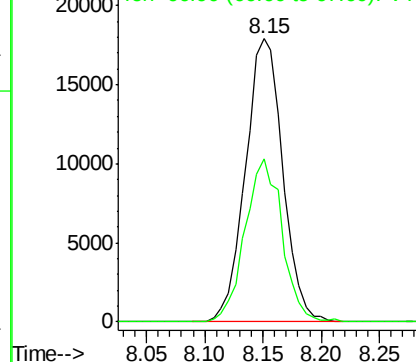


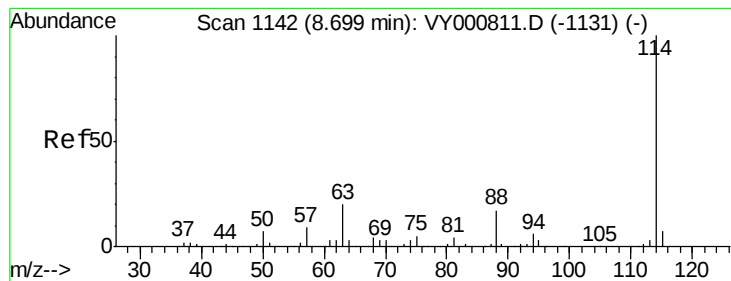
#33
1,2-Dichloroethane-d4
Concen: 47.07 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY001001.D
Acq: 18 Dec 2019 17:13

Tgt Ion: 65 Resp: 40096
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: 50.00 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY001001.D

Acq: 18 Dec 2019 17:13

Instrument :
MSVOA_Y
ClientSampleId :

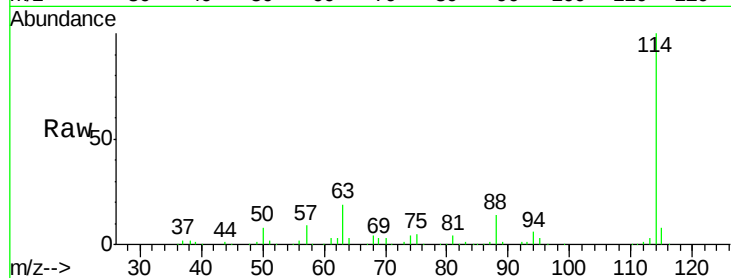
Tot Ion:114 Resp: 136006

Ion Ratio Lower Upper

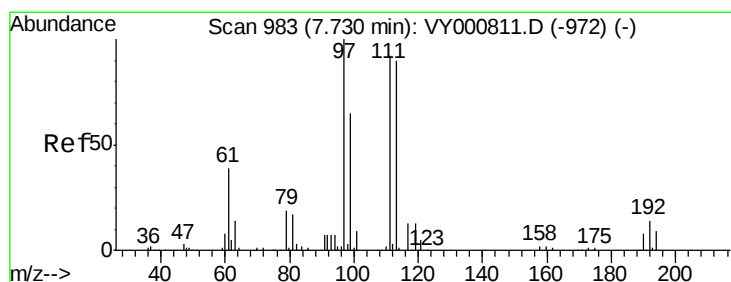
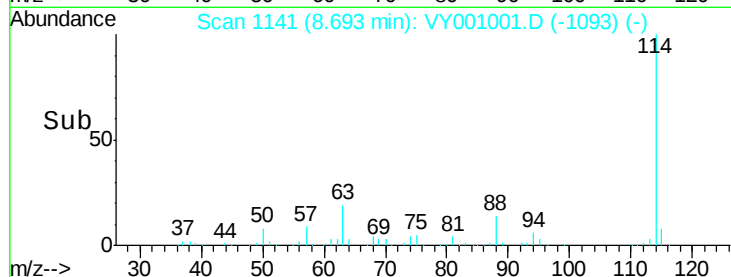
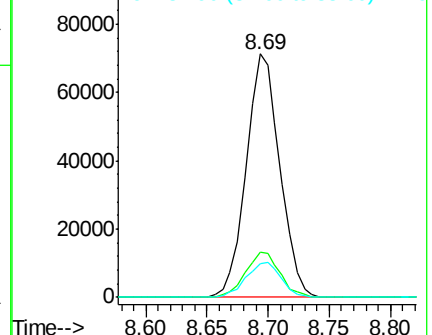
114 100

63 18.6 0.0 39.8

88 13.7 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



#35

Dibromofluoromethane

Concen: 48.33 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY001001.D

Acq: 18 Dec 2019 17:13

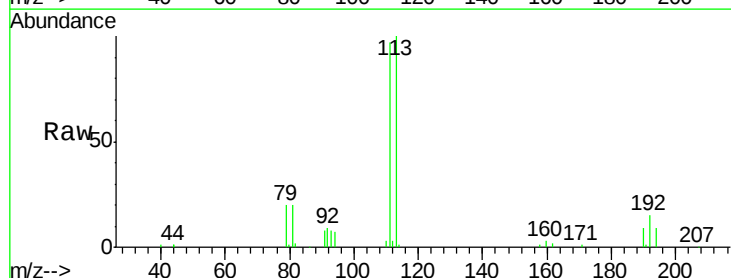
Tgt Ion:113 Resp: 38306

Ion Ratio Lower Upper

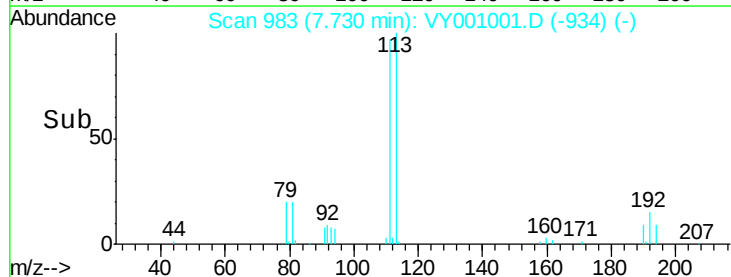
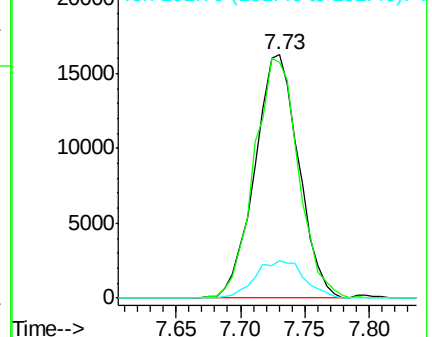
113 100

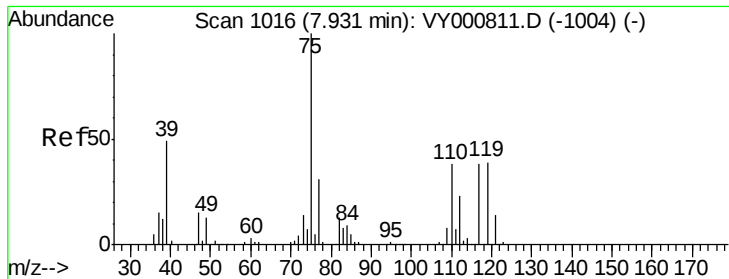
111 99.5 82.4 123.6

192 17.1 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: 4.84 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY001001.D

Acq: 18 Dec 2019 17:13

Instrument :

MSVOA_Y

ClientSampleId :

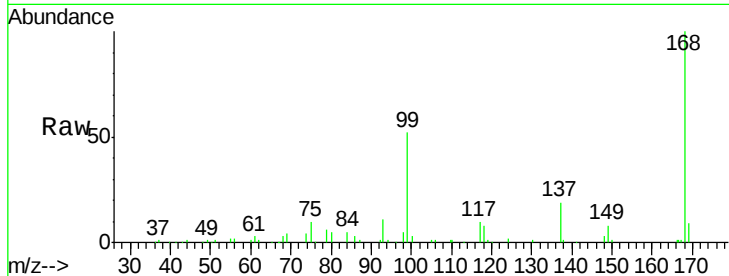
Tot Ion: 75 Resp: 6544

Ion Ratio Lower Upper

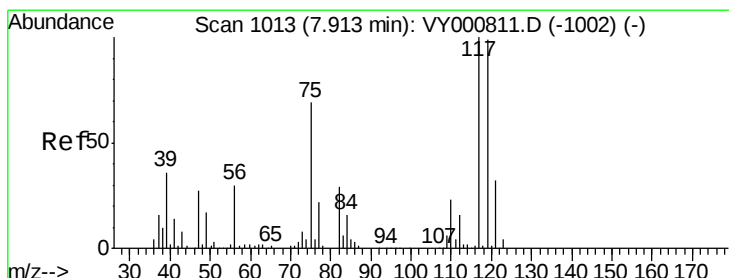
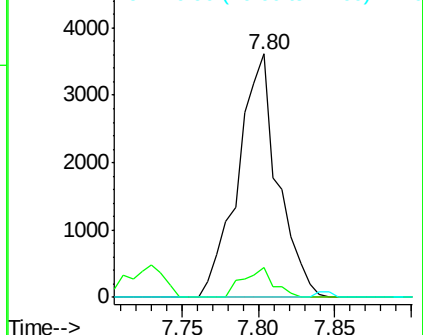
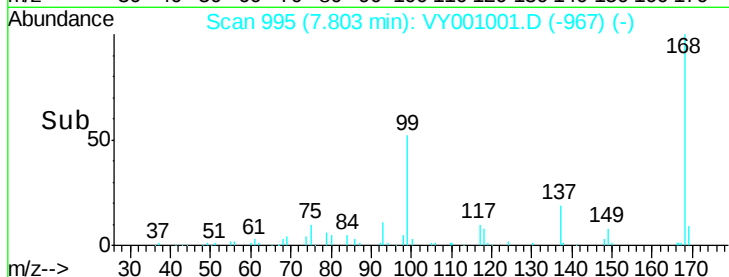
75 100

110 9.5 17.9 53.7#

77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VY001001.D (-967) (-)



#38

Carbon Tetrachloride

Concen: 6.30 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY001001.D

Acq: 18 Dec 2019 17:13

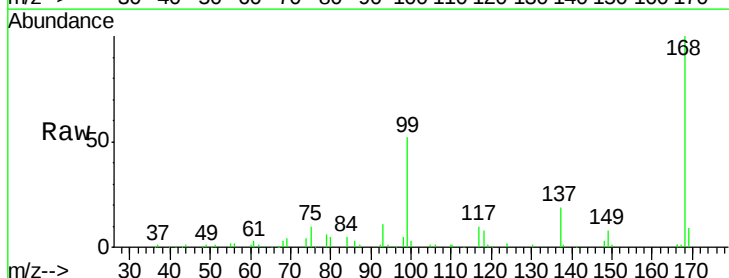
Tgt Ion: 117 Resp: 7584

Ion Ratio Lower Upper

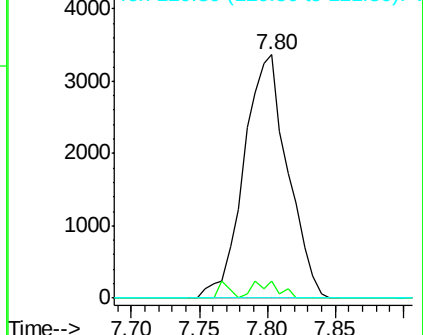
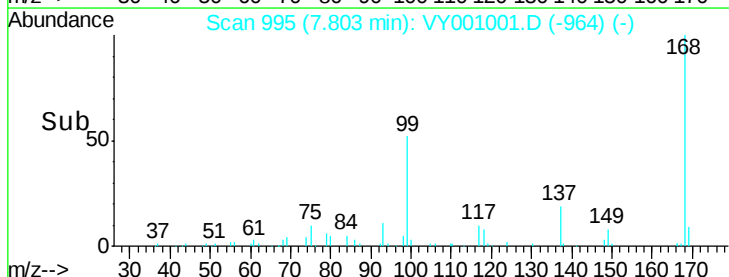
117 100

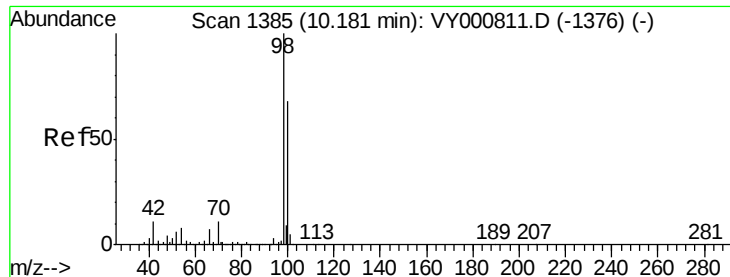
119 7.0 79.3 118.9#

121 0.0 25.5 38.3#



Abundance Ion 116.80 (116.50 to 117.50): VY001001.D (-964) (-)





#50

Toluene-d8

Concen: 49.69 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001001.D

Acq: 18 Dec 2019 17:13

Instrument :

MSVOA_Y

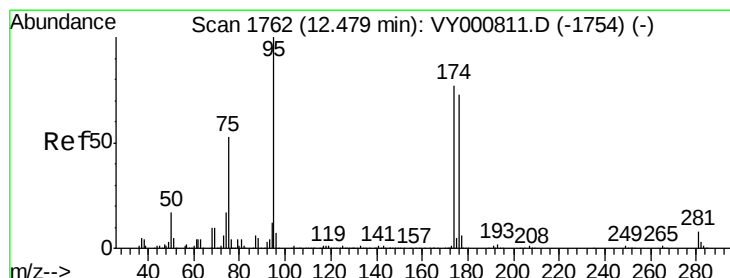
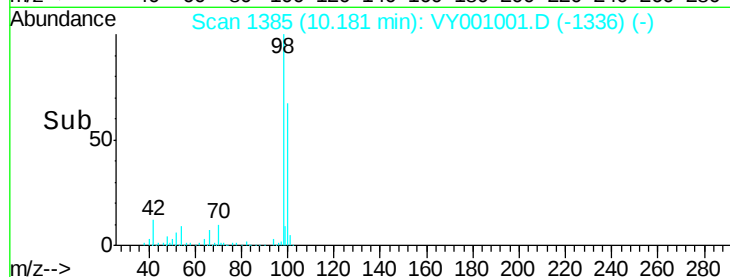
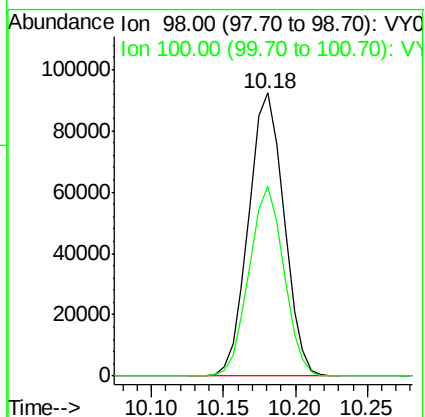
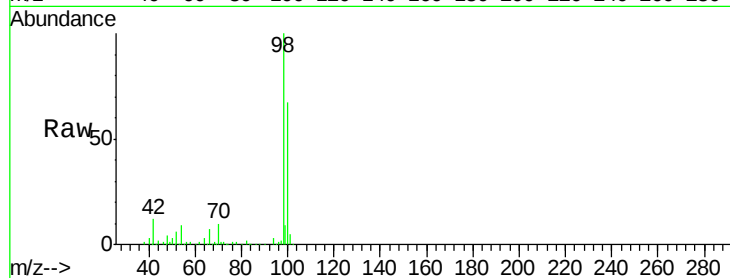
ClientSampled :

Tot Ion: 98 Resp: 157475

Ion Ratio Lower Upper

98 100

100 65.8 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 37.60 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY001001.D

Acq: 18 Dec 2019 17:13

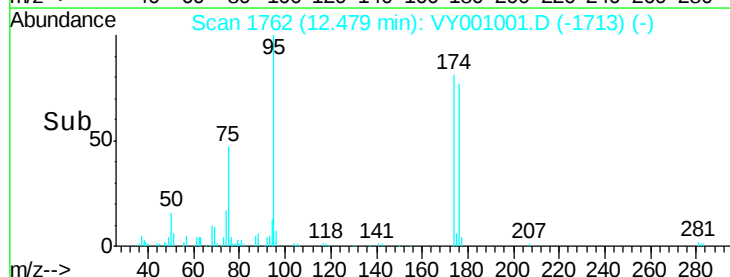
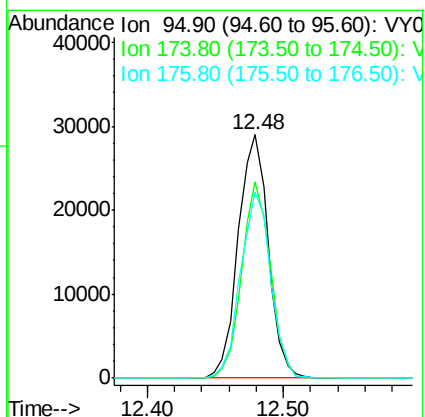
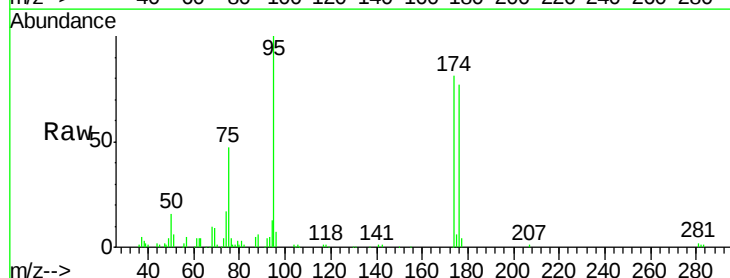
Tgt Ion: 95 Resp: 44752

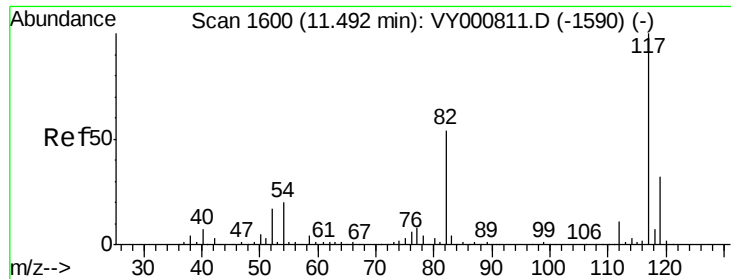
Ion Ratio Lower Upper

95 100

174 77.2 0.0 150.6

176 76.7 0.0 145.2

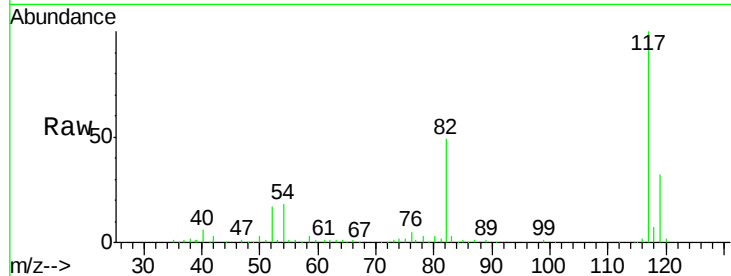




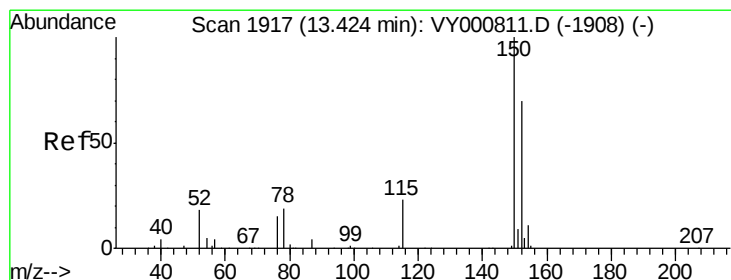
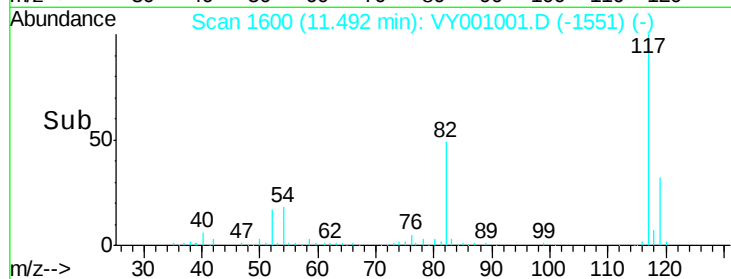
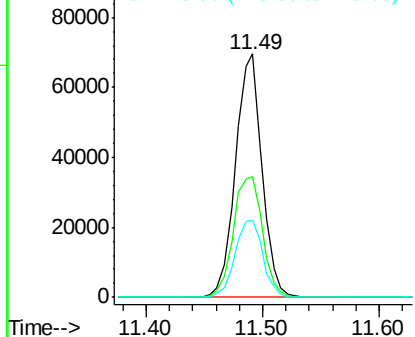
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY001001.D
Acq: 18 Dec 2019 17:13

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 109935
Ion Ratio Lower Upper
117 100
82 49.4 43.1 64.7
119 31.9 25.3 37.9

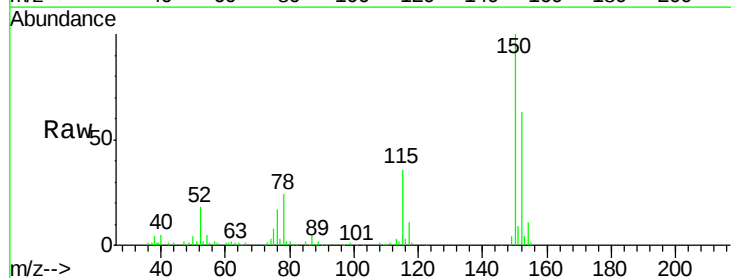


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

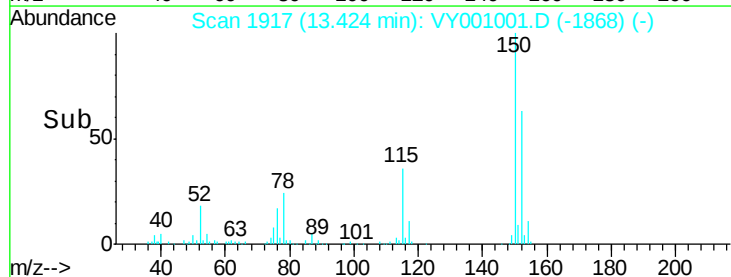
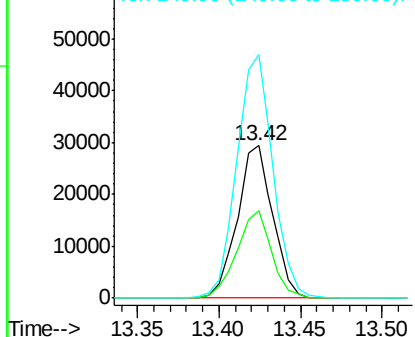


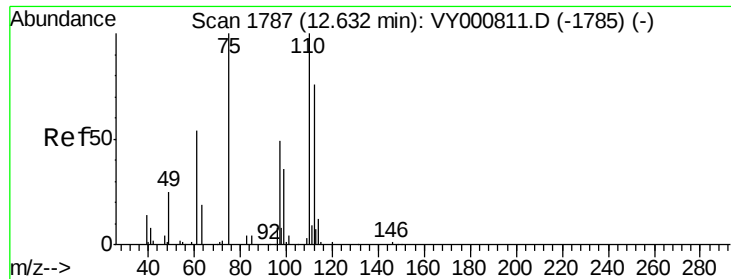
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001001.D
Acq: 18 Dec 2019 17:13

Tgt Ion:152 Resp: 44347
Ion Ratio Lower Upper
152 100
115 56.5 29.3 87.8
150 163.5 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: 44.91 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001001.D

Acq: 18 Dec 2019 17:13

Instrument :

MSVOA_Y

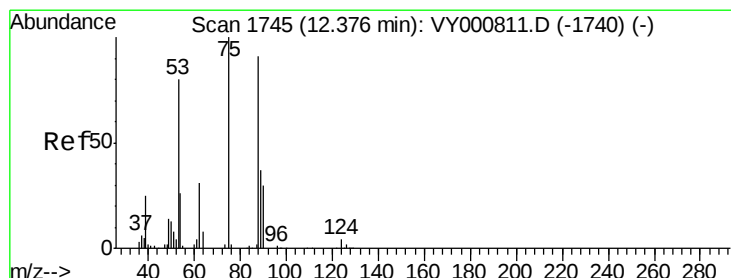
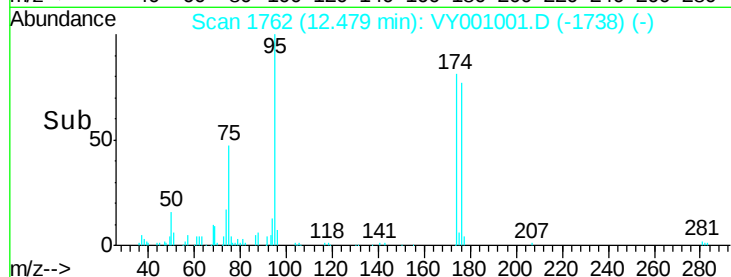
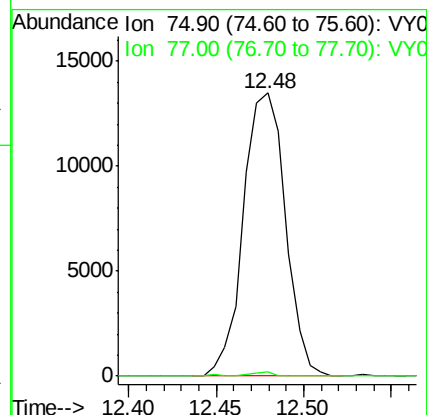
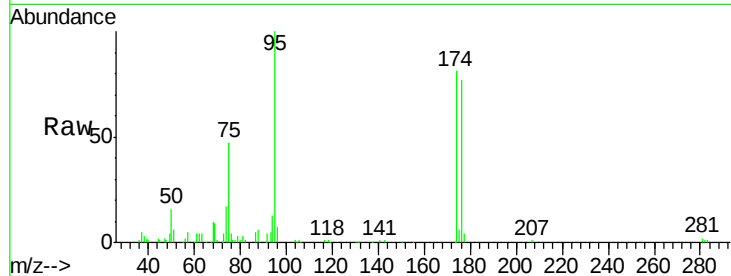
ClientSampled :

Tot Ion: 75 Resp: 22566

Ion Ratio Lower Upper

75 100

77 0.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 88.22 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001001.D

Acq: 18 Dec 2019 17:13

Tgt Ion: 75 Resp: 22566

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.2 33.6 50.4#

