

Data File : VY000853.D
Acq On : 04 Dec 2019 11:07
Operator : SY/MD
Sample : VY1204SBL01
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1204SBL01

Quant Time: Dec 05 07:51:23 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	240410	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	452969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	403064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	175492	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	153018	59.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.80%	
35) Dibromofluoromethane	7.73	113	134065	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
50) Toluene-d8	10.18	98	542439	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
62) 4-Bromofluorobenzene	12.48	95	179425	45.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.54%	

Target Compounds

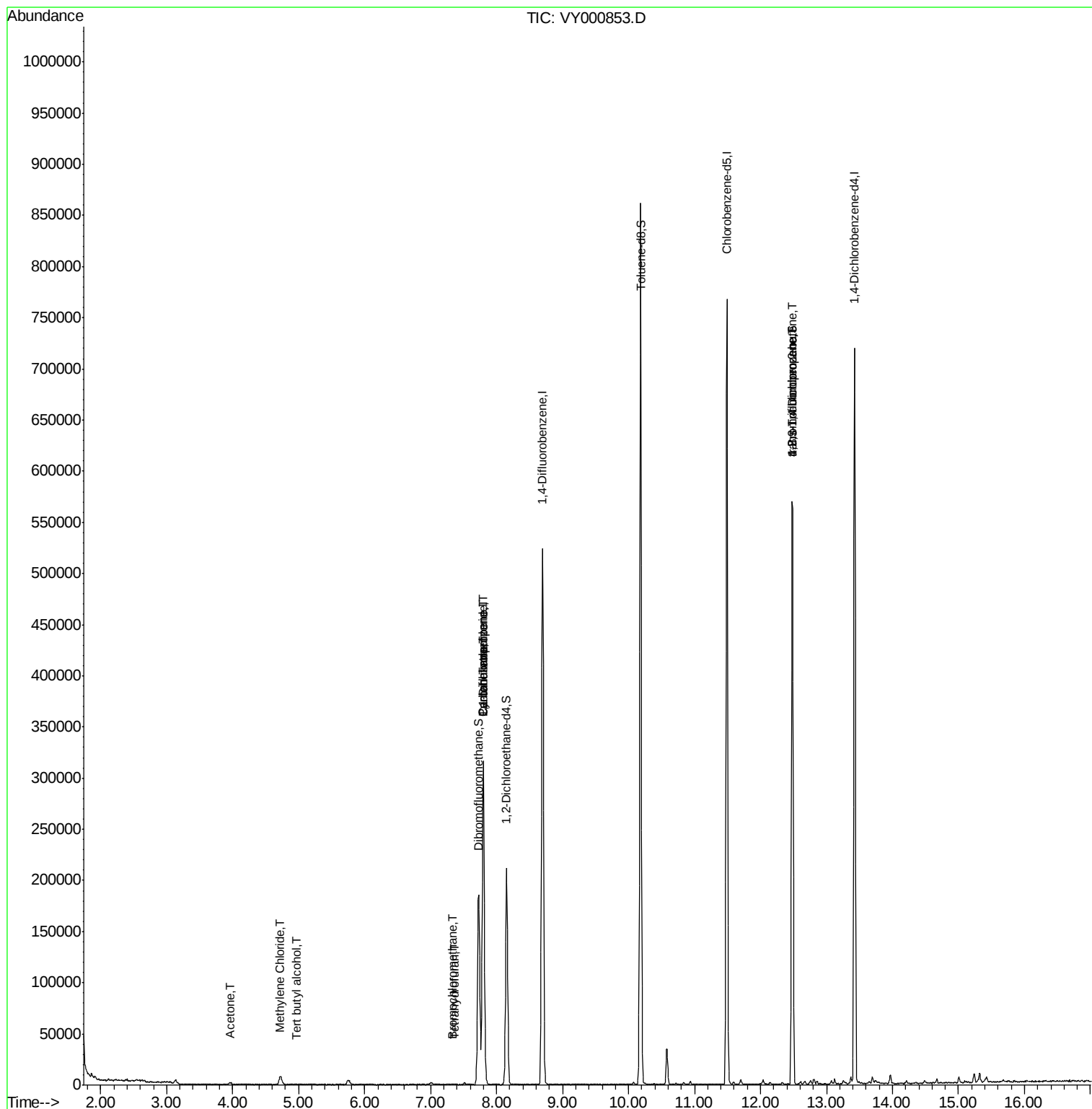
					Qvalue	
5) Bromomethane	2.63	94	104	Below Cal	#	3
11) Tert butyl alcohol	4.96	59	422	1.642	ug/l #	74
16) Acetone	3.96	43	1543	2.633	ug/l #	68
20) Methylene Chloride	4.72	84	5831	1.888	ug/l #	92
28) Bromochloromethane	7.33	49	70	2.051	ug/l #	58
29) Tetrahydrofuran	7.36	42	793	1.105	ug/l #	53
31) Cyclohexane	7.80	56	5679	1.047	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	20199	4.485	ug/l #	50
38) Carbon Tetrachloride	7.80	117	24268	6.050	ug/l #	14
76) 1,2,3-Trichloropropane	12.48	75	93419	46.984	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	93419	92.290	ug/l #	18

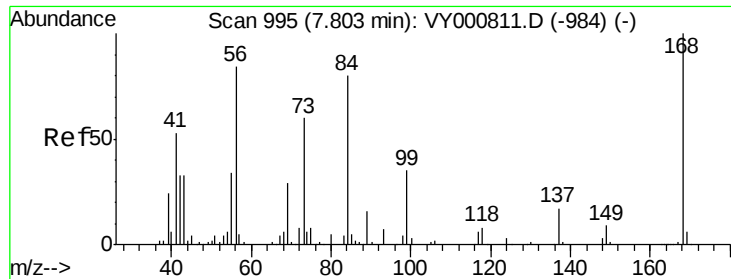
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000853.D

Acq: 04 Dec 2019 11:07

Instrument :

MSVOA_Y

ClientSampleId :

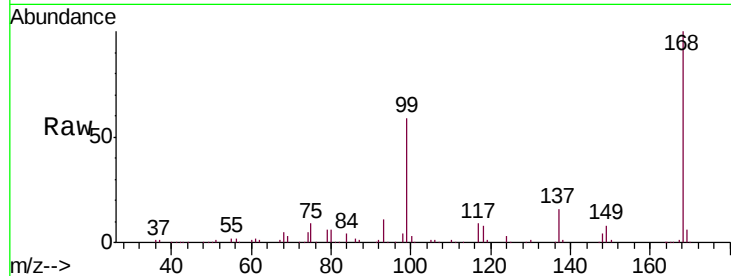
VY1204SBL01

Tgt Ion:168 Resp: 240410

Ion Ratio Lower Upper

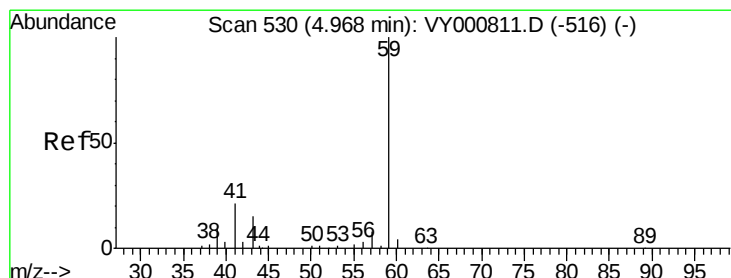
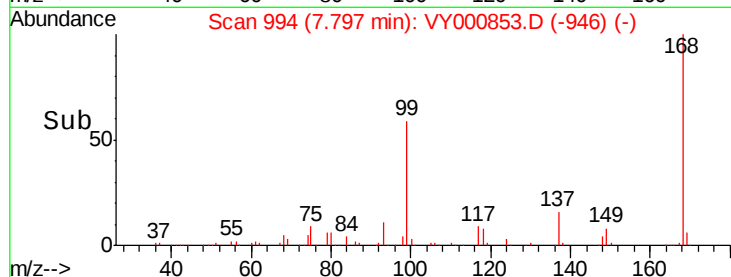
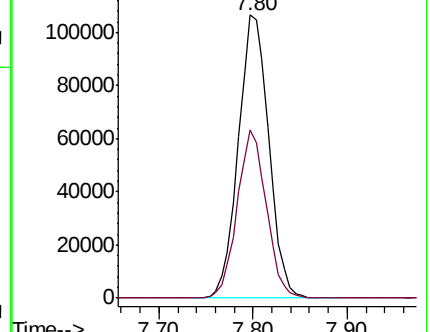
168 100

99 59.2 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000811.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000811.D (-984) (-)



#11

Tert butyl alcohol

Concen: 1.642 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY000853.D

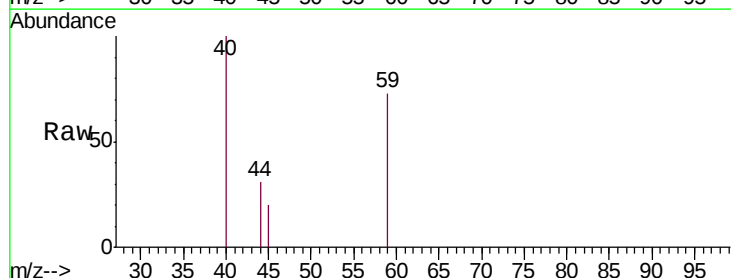
Acq: 04 Dec 2019 11:07

Tgt Ion: 59 Resp: 422

Ion Ratio Lower Upper

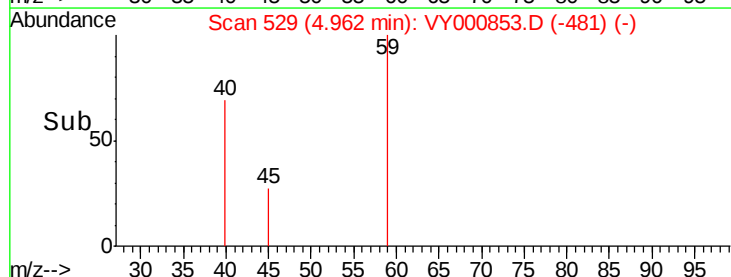
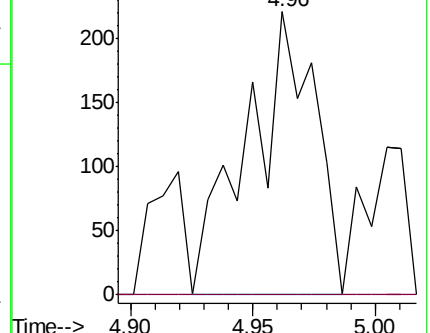
59 100

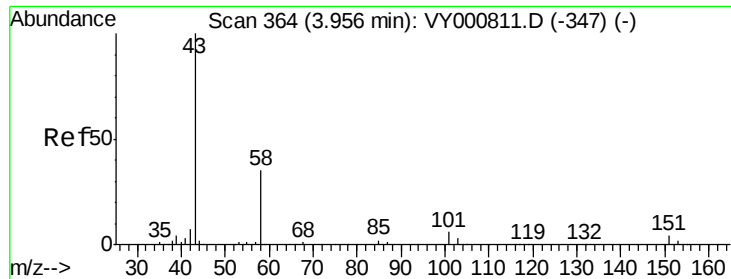
57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY000811.D (-516) (-)

Ion 57.00 (56.70 to 57.70): VY000811.D (-516) (-)





#16

Acetone

Concen: 2.633 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000853.D

Acq: 04 Dec 2019 11:07

Instrument :

MSVOA_Y

ClientSampleId :

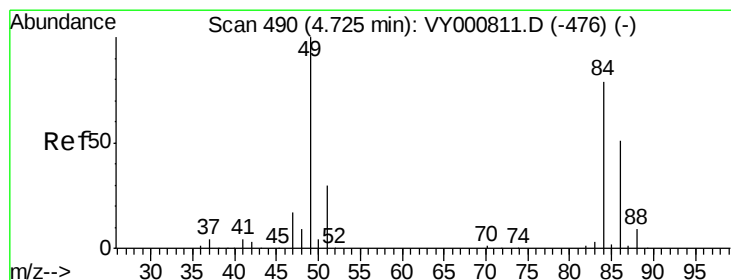
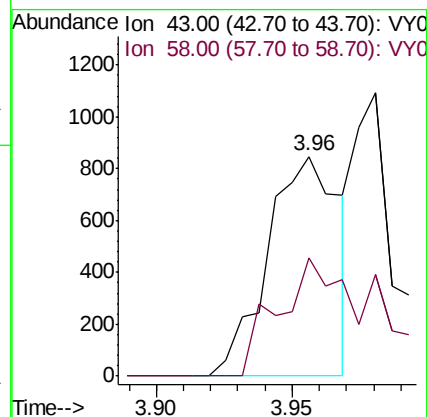
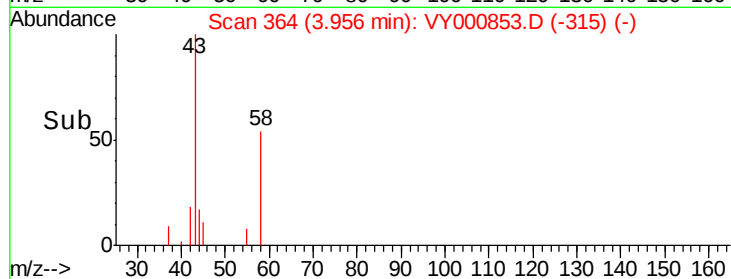
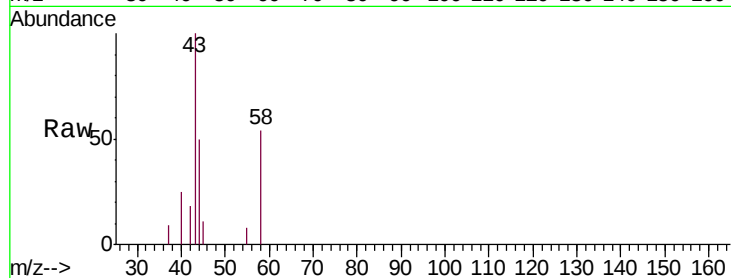
VY1204SBL01

Tgt Ion: 43 Resp: 1543

Ion Ratio Lower Upper

43 100

58 53.6 28.0 42.0#



#20

Methylene Chloride

Concen: 1.888 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY000853.D

Acq: 04 Dec 2019 11:07

Tgt Ion: 84 Resp: 5831

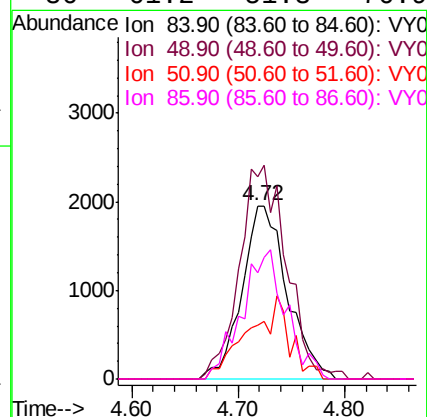
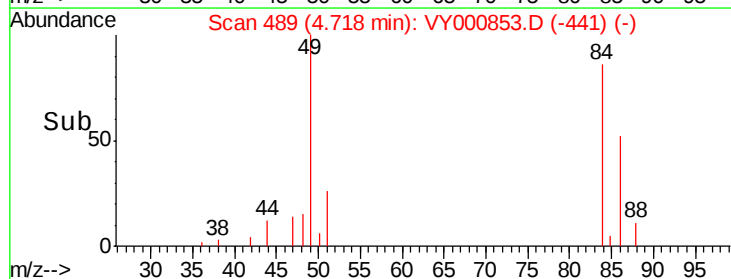
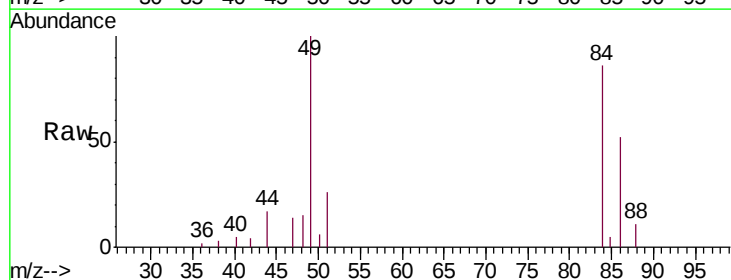
Ion Ratio Lower Upper

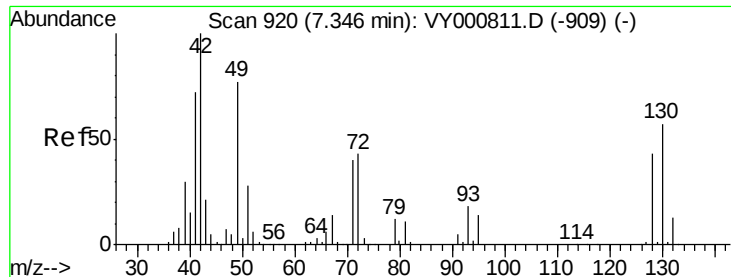
84 100

49 116.8 101.3 151.9

51 30.8 30.6 45.8

86 61.2 51.3 76.9

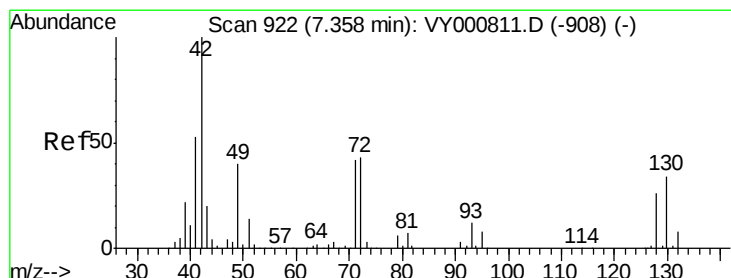
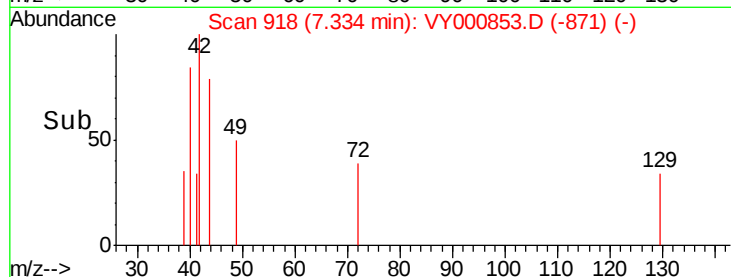
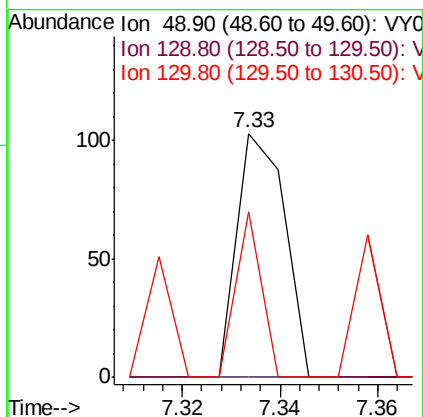
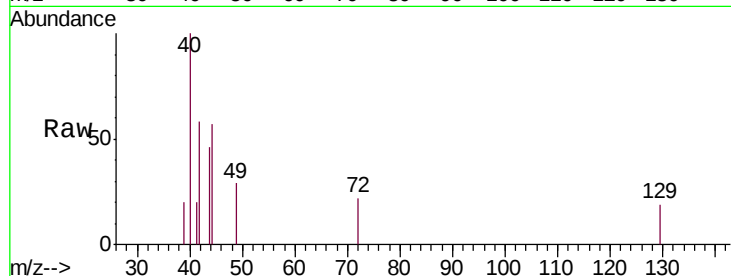




#28
Bromochloromethane
Concen: 2.051 ug/l
RT: 7.33 min Scan# 918
Delta R.T. -0.01 min
Lab File: VY000853.D
Acq: 04 Dec 2019 11:07

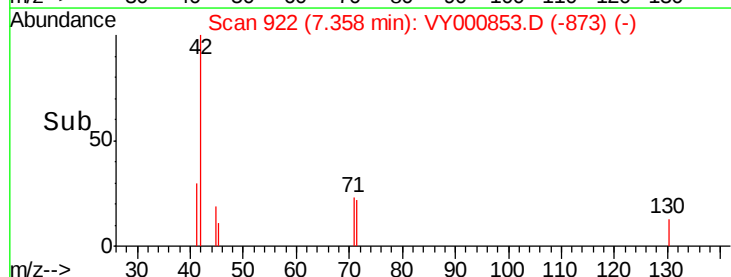
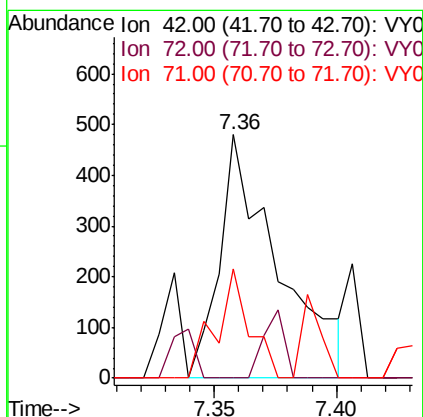
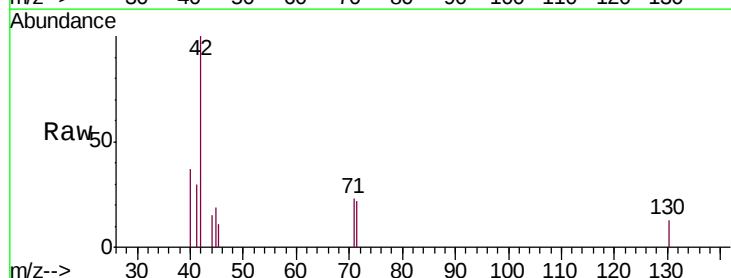
Instrument :
MSVOA_Y
ClientSampleId :
VY1204SBL01

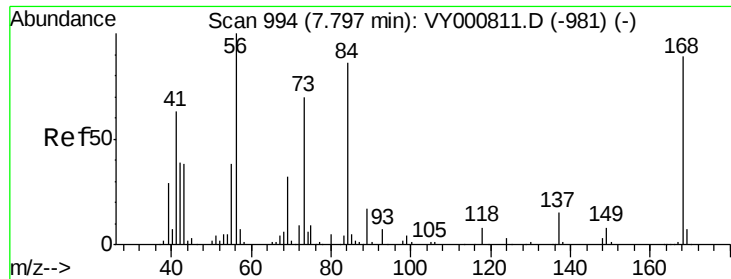
Tgt Ion: 49 Resp: 70
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 37.1 58.7 88.1#



#29
Tetrahydrofuran
Concen: 1.105 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY000853.D
Acq: 04 Dec 2019 11:07

Tgt Ion: 42 Resp: 793
Ion Ratio Lower Upper
42 100
72 0.0 35.1 52.7#
71 25.9 32.8 49.2#

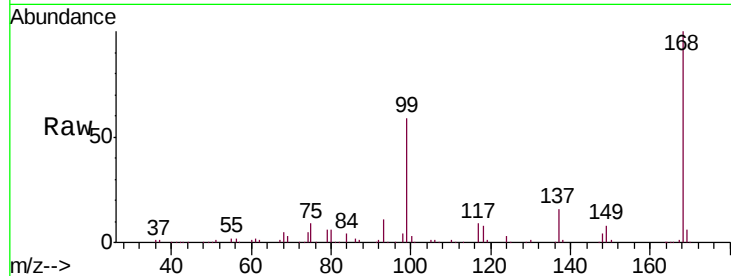




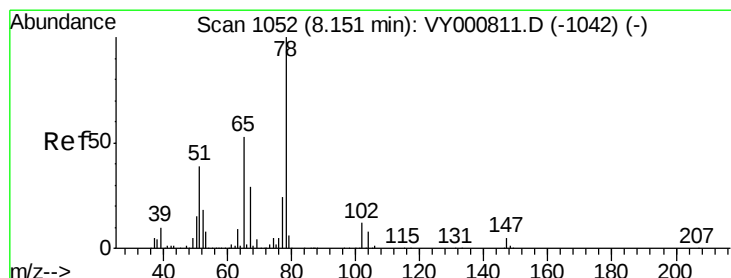
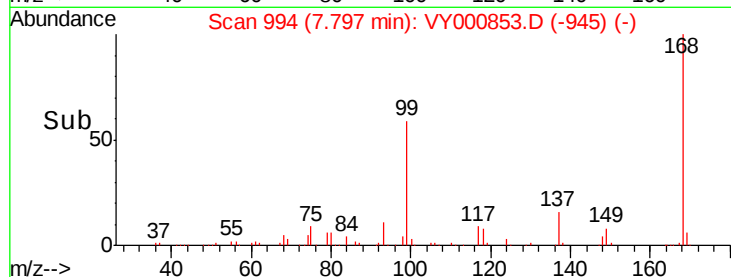
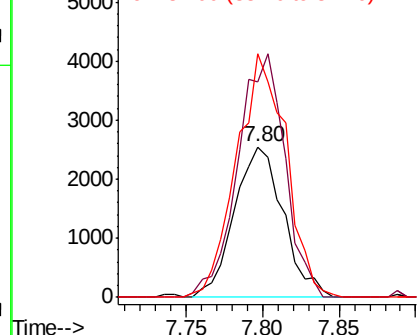
#31
Cyclohexane
Concen: 1.047 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY000853.D
Acq: 04 Dec 2019 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VY1204SBL01

Tgt Ion: 56 Resp: 5679
Ion Ratio Lower Upper
56 100
69 143.4 25.9 38.9#
84 161.6 68.6 102.8#

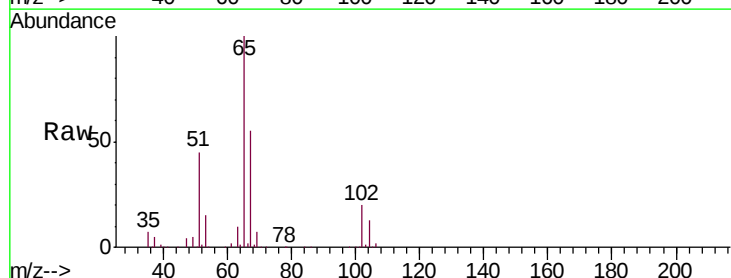


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

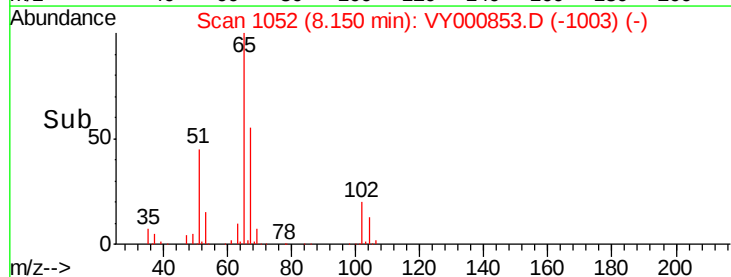
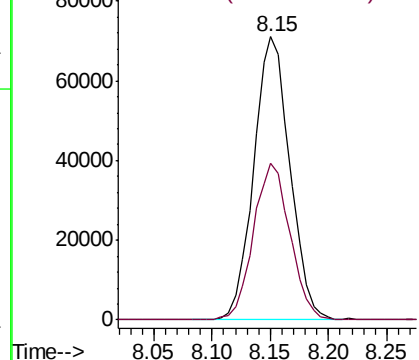


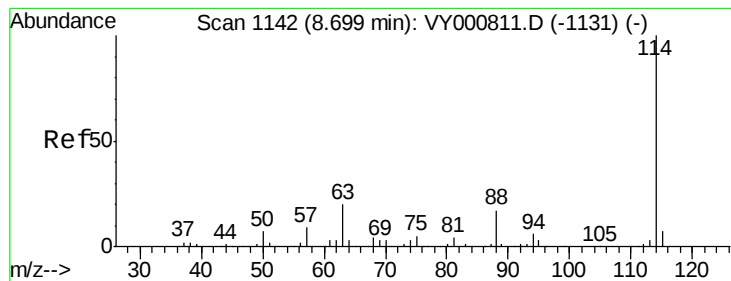
#33
1,2-Dichloroethane-d4
Concen: 59.900 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY000853.D
Acq: 04 Dec 2019 11:07

Tgt Ion: 65 Resp: 153018
Ion Ratio Lower Upper
65 100
67 56.0 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: VY000853.D

Acq: 04 Dec 2019 11:07

Instrument :

MSVOA_Y

ClientSampleId :

VY1204SBL01

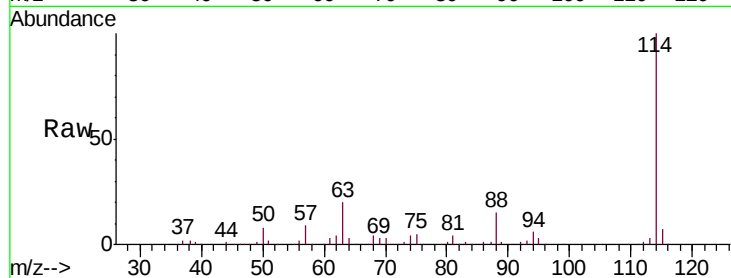
Tgt Ion:114 Resp: 452969

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.8

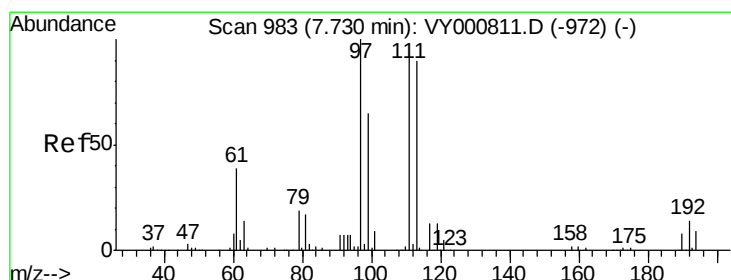
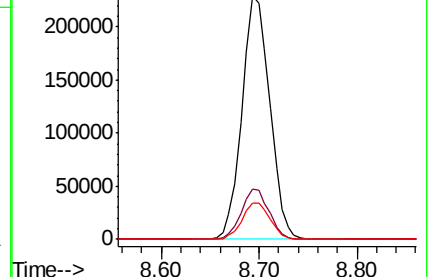
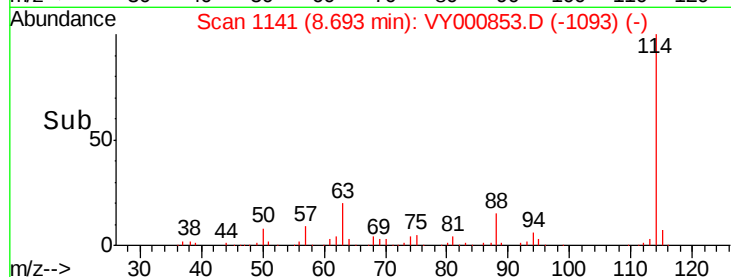
88 14.8 0.0 33.2



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: 50.784 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000853.D

Acq: 04 Dec 2019 11:07

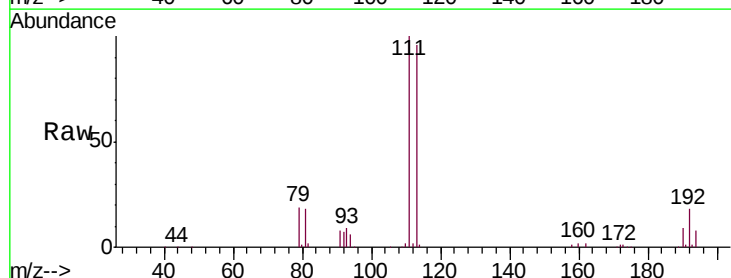
Tgt Ion:113 Resp: 134065

Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

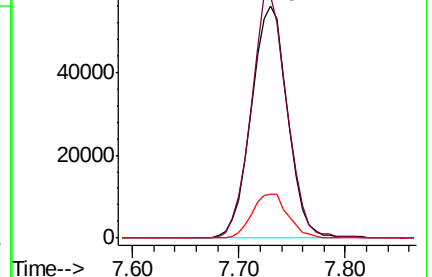
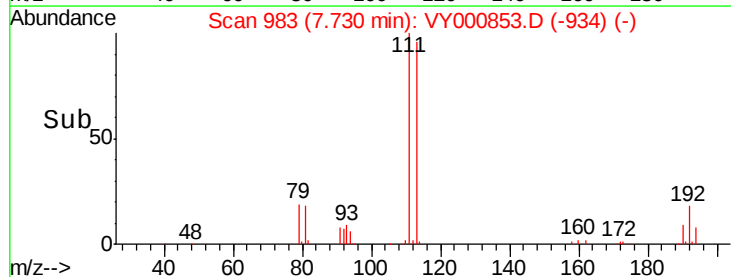
192 18.8 14.2 21.2

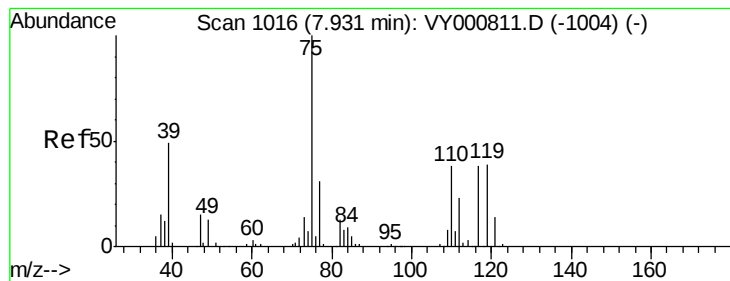


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.485 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000853.D

Acq: 04 Dec 2019 11:07

Instrument :

MSVOA_Y

ClientSampleId :

VY1204SBL01

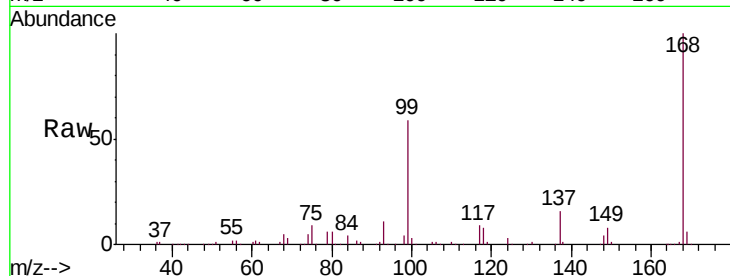
Tgt Ion: 75 Resp: 20199

Ion Ratio Lower Upper

75 100

110 9.3 17.9 53.7#

77 0.0 24.7 37.1#

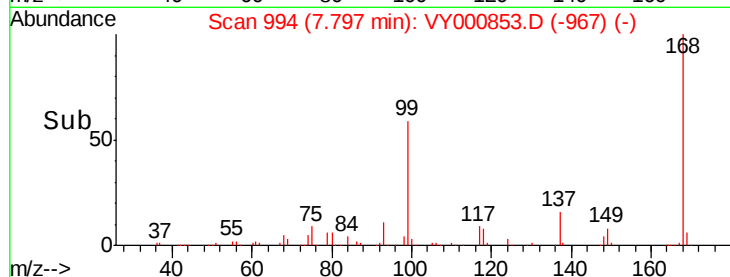


Abundance Ion 74.90 (74.60 to 75.60): VY000853.D (-967) (-)

Ion 109.90 (109.60 to 110.60): VY000853.D (-967) (-)

Ion 76.90 (76.60 to 77.60): VY000853.D (-967) (-)

Time-->

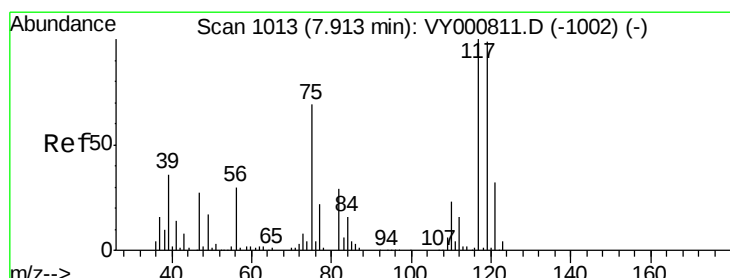


Abundance Ion 74.90 (74.60 to 75.60): VY000853.D (-967) (-)

Ion 109.90 (109.60 to 110.60): VY000853.D (-967) (-)

Ion 76.90 (76.60 to 77.60): VY000853.D (-967) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.050 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000853.D

Acq: 04 Dec 2019 11:07

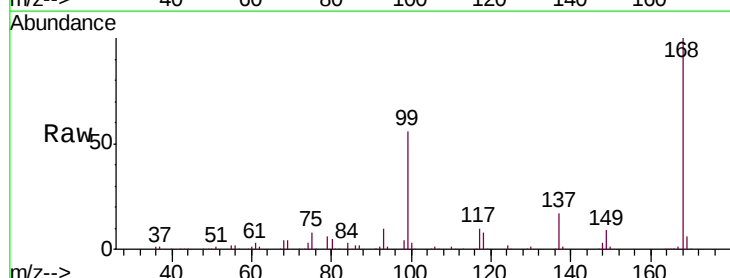
Tgt Ion: 117 Resp: 24268

Ion Ratio Lower Upper

117 100

119 4.7 79.3 118.9#

121 0.0 25.5 38.3#

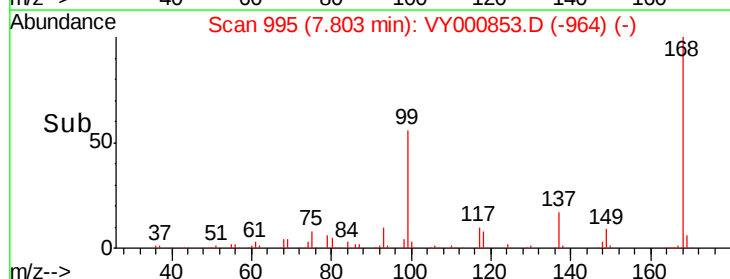


Abundance Ion 116.80 (116.50 to 117.50): VY000853.D (-964) (-)

Ion 118.80 (118.50 to 119.50): VY000853.D (-964) (-)

Ion 120.80 (120.50 to 121.50): VY000853.D (-964) (-)

Time-->

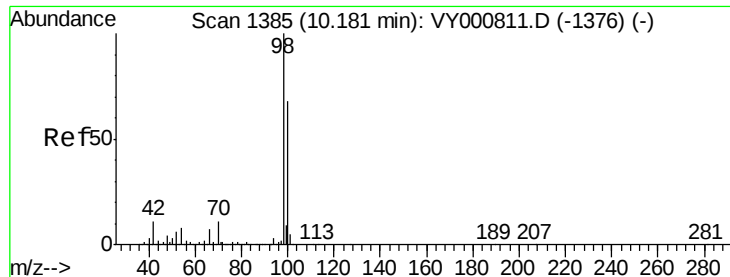


Abundance Ion 116.80 (116.50 to 117.50): VY000853.D (-964) (-)

Ion 118.80 (118.50 to 119.50): VY000853.D (-964) (-)

Ion 120.80 (120.50 to 121.50): VY000853.D (-964) (-)

Time-->



#50

Toluene-d8

Concen: 51.396 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000853.D

Acq: 04 Dec 2019 11:07

Instrument :

MSVOA_Y

ClientSampleId :

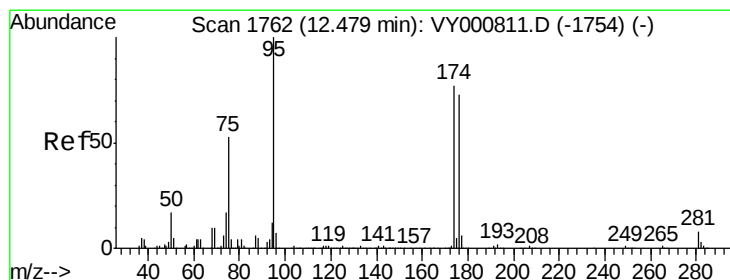
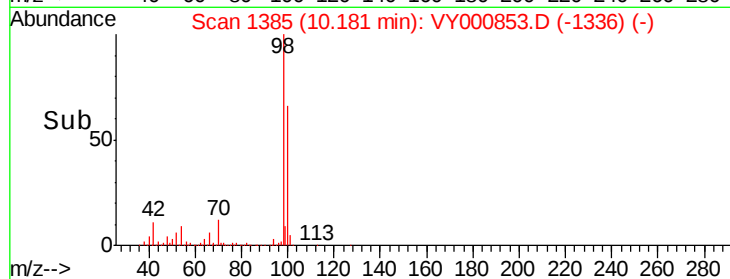
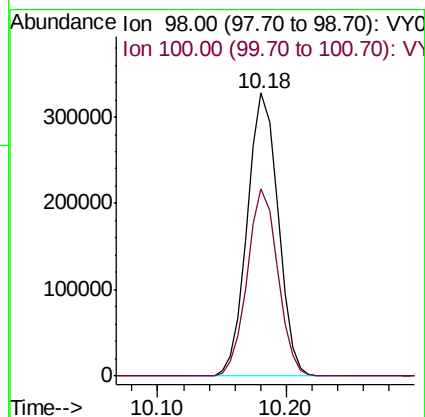
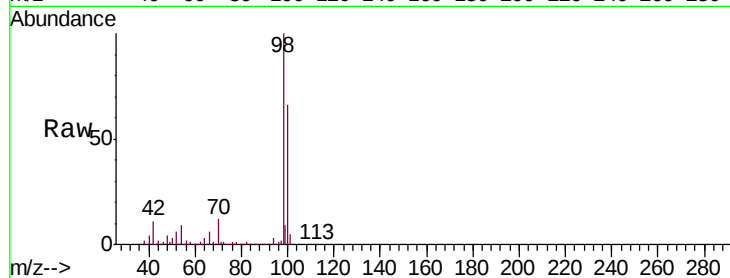
VY1204SBL01

Tgt Ion: 98 Resp: 542439

Ion Ratio Lower Upper

98 100

100 65.4 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.268 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000853.D

Acq: 04 Dec 2019 11:07

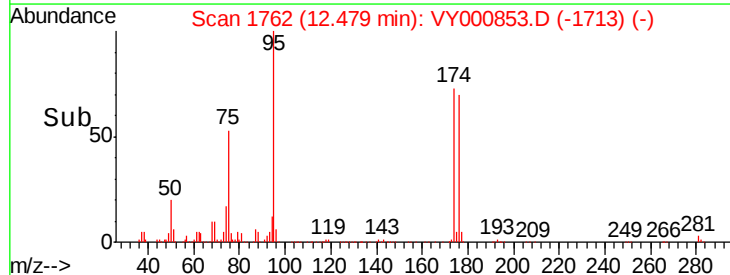
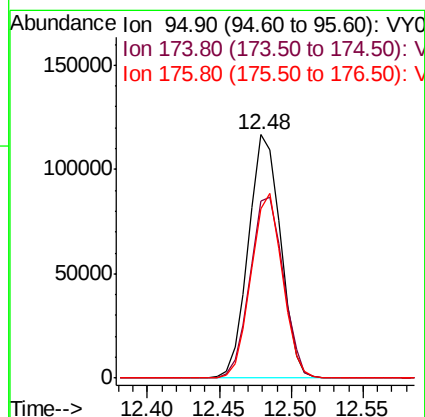
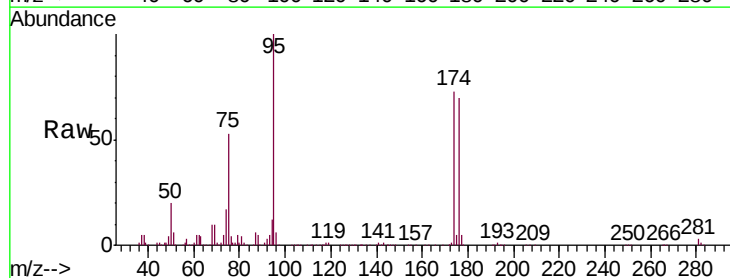
Tgt Ion: 95 Resp: 179425

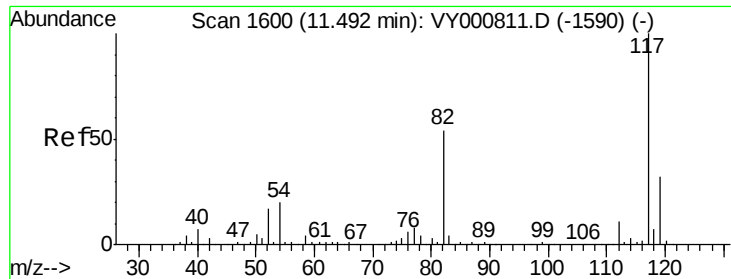
Ion Ratio Lower Upper

95 100

174 77.0 0.0 150.6

176 74.2 0.0 145.2

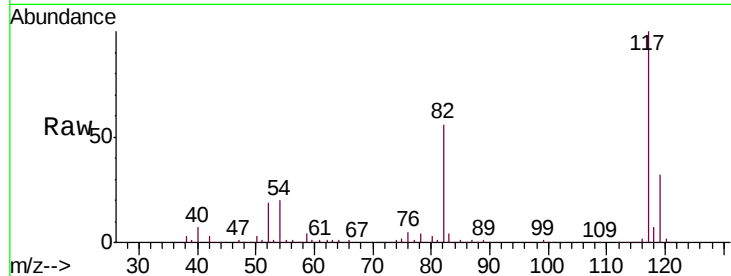




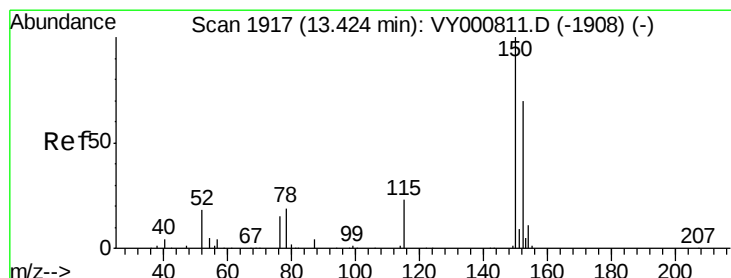
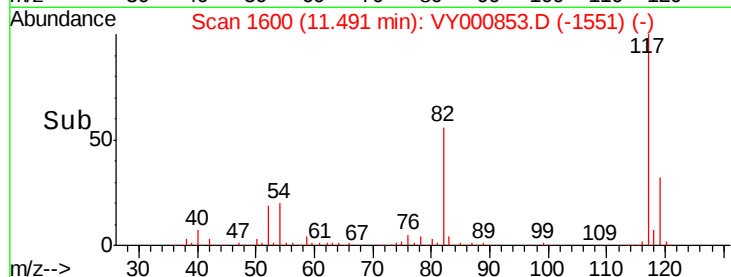
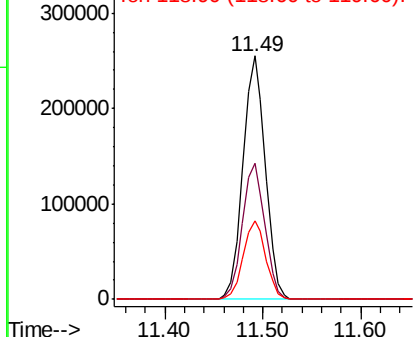
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000853.D
Acq: 04 Dec 2019 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VY1204SBL01

Tgt Ion:117 Resp: 403064
Ion Ratio Lower Upper
117 100
82 56.1 43.1 64.7
119 32.4 25.3 37.9

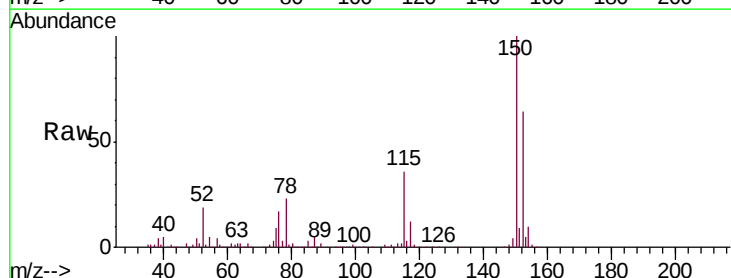


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

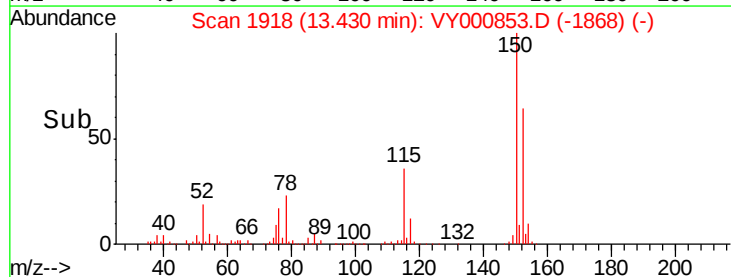
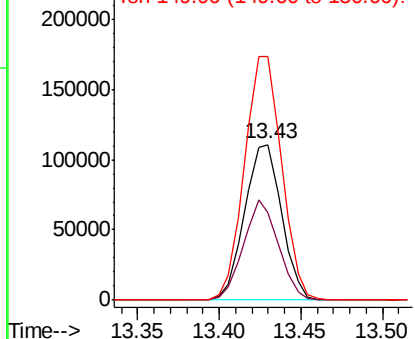


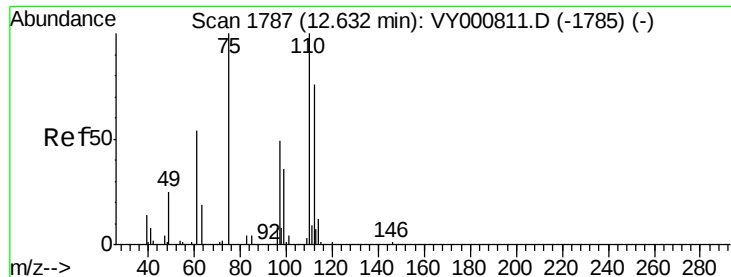
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.01 min
Lab File: VY000853.D
Acq: 04 Dec 2019 11:07

Tgt Ion:152 Resp: 175492
Ion Ratio Lower Upper
152 100
115 60.9 29.3 87.8
150 157.0 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: 46.984 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000853.D

Acq: 04 Dec 2019 11:07

Instrument :

MSVOA_Y

ClientSampleId :

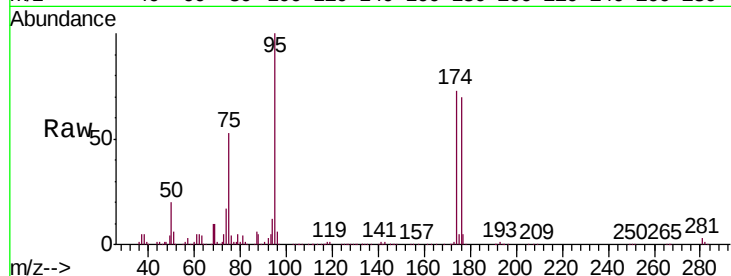
VY1204SBL01

Tgt Ion: 75 Resp: 93419

Ion Ratio Lower Upper

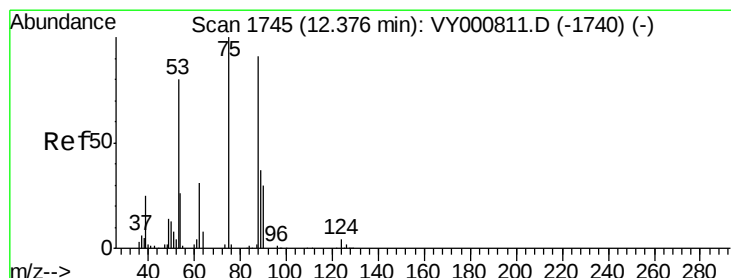
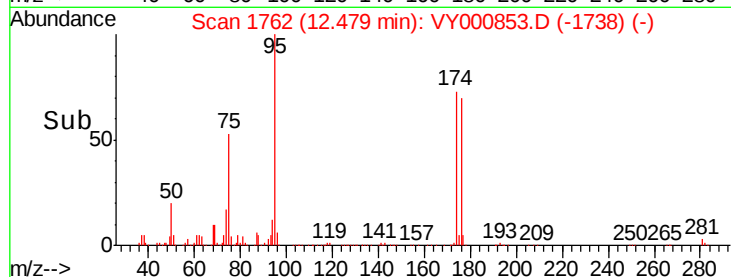
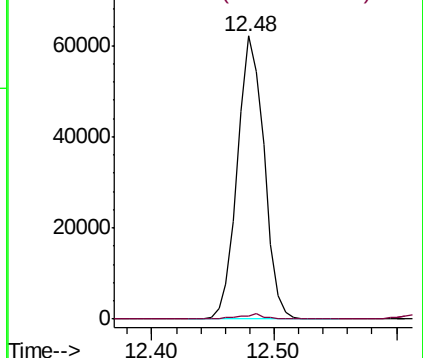
75 100

77 1.7 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: 92.290 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000853.D

Acq: 04 Dec 2019 11:07

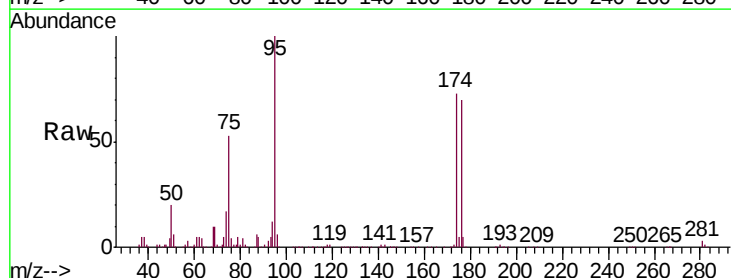
Tgt Ion: 75 Resp: 93419

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.3 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

