

Data File : VY000858.D
Acq On : 04 Dec 2019 13:12
Operator : SY/MD
Sample : K6119-08
Misc : 4.28G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-5-(8-10)

Quant Time: Dec 05 07:54:01 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	137999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	256366	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	228183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	101713	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	85571	58.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.72%	
35) Dibromofluoromethane	7.73	113	73990	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
50) Toluene-d8	10.18	98	306493	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
62) 4-Bromofluorobenzene	12.48	95	100871	44.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.94%	

Target Compounds

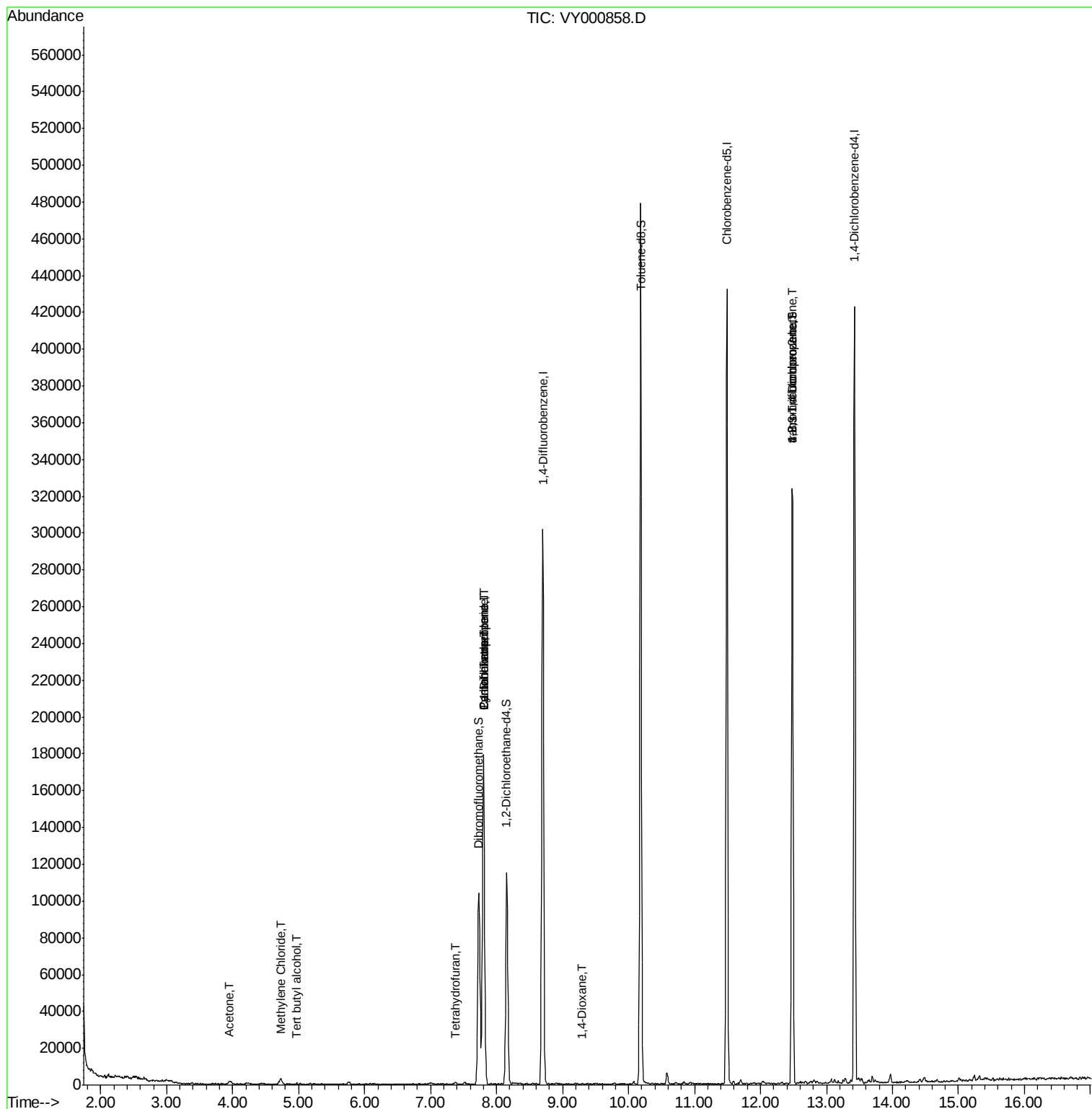
						Qvalue
5) Bromomethane	2.66	94	99	Below Cal	#	46
11) Tert butyl alcohol	4.98	59	278	1.884	ug/l #	74
16) Acetone	3.94	43	3251	9.665	ug/l	91
20) Methylene Chloride	4.73	84	1980	1.117	ug/l #	82
29) Tetrahydrofuran	7.38	42	833	2.023	ug/l #	59
31) Cyclohexane	7.80	56	3396	1.091	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	10772	4.226	ug/l #	49
38) Carbon Tetrachloride	7.80	117	14020	6.176	ug/l #	15
49) 1,4-Dioxane	9.30	88	43	3.114	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	52840	45.852	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	52840	90.067	ug/l #	17

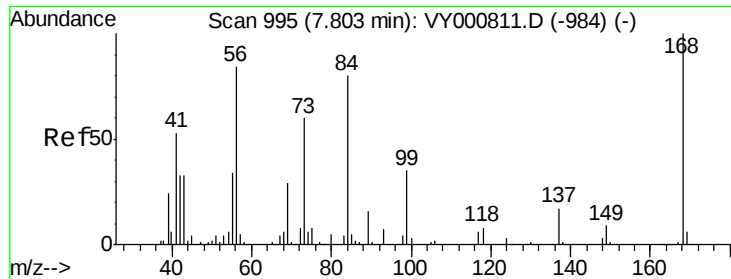
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000858.D

Acq: 04 Dec 2019 13:12

Instrument :

MSVOA_Y

ClientSampleId :

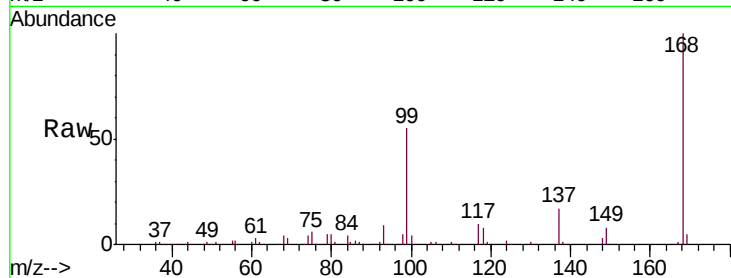
SB-5-(8-10)

Tgt Ion:168 Resp: 137999

Ion Ratio Lower Upper

168 100

99 54.5 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) (-)

7.80

60000

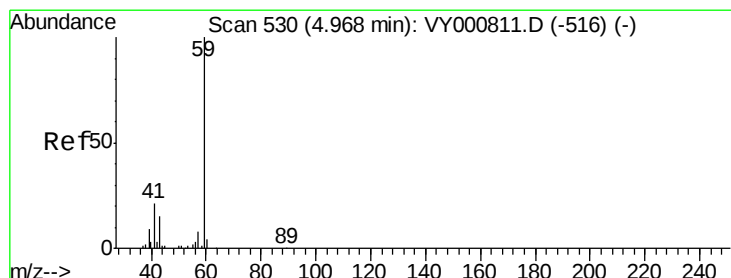
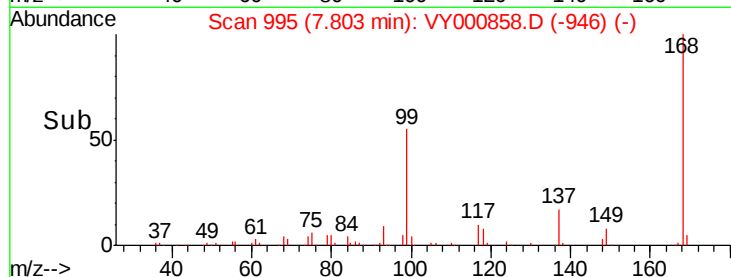
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: 1.884 ug/l

RT: 4.98 min Scan# 532

Delta R.T. 0.01 min

Lab File: VY000858.D

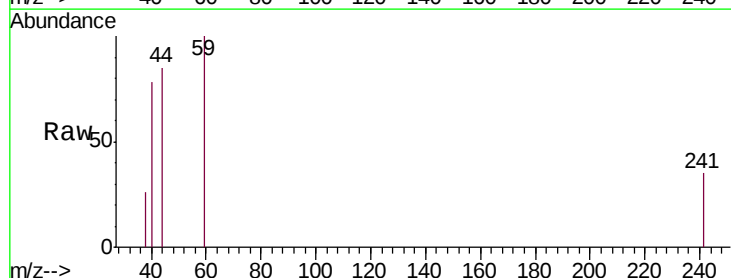
Acq: 04 Dec 2019 13:12

Tgt Ion: 59 Resp: 278

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) (-)

4.98

200

150

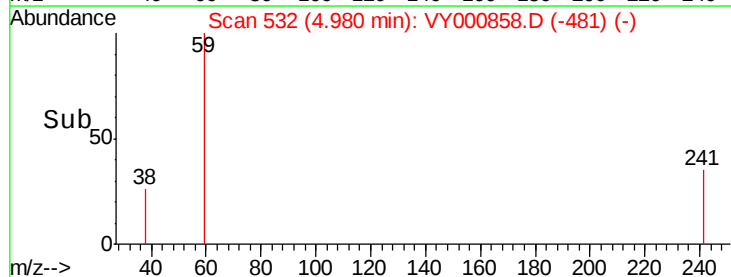
100

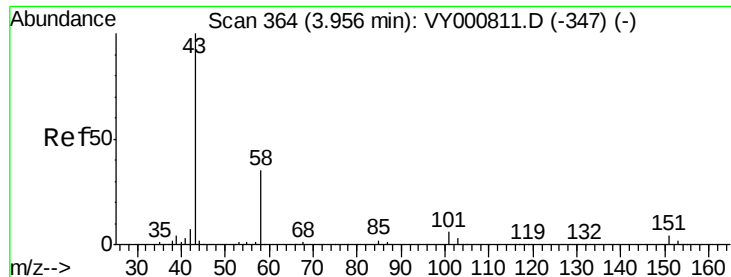
50

0

4.90 4.95 5.00

Time-->





#16

Acetone

Concen: 9.665 ug/l

RT: 3.94 min Scan# 362

Delta R.T. -0.01 min

Lab File: VY000858.D

Acq: 04 Dec 2019 13:12

Instrument :

MSVOA_Y

ClientSampleId :

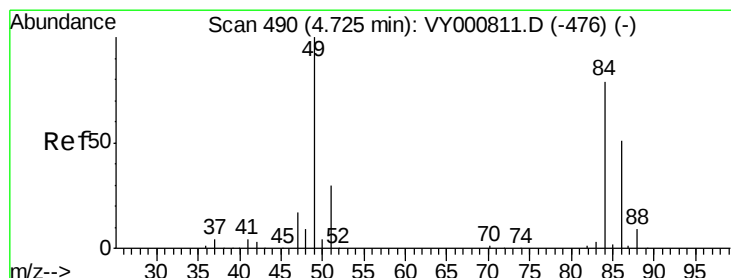
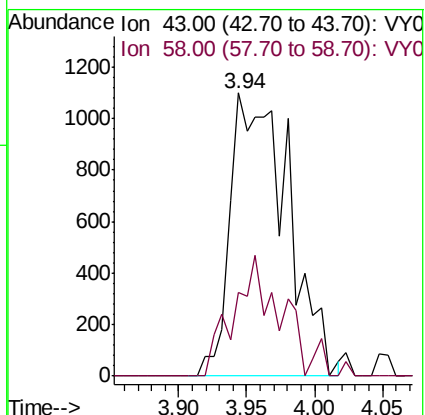
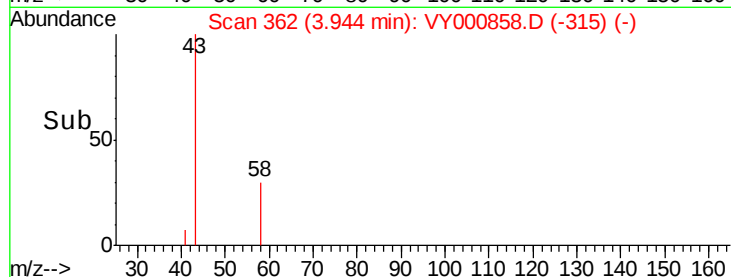
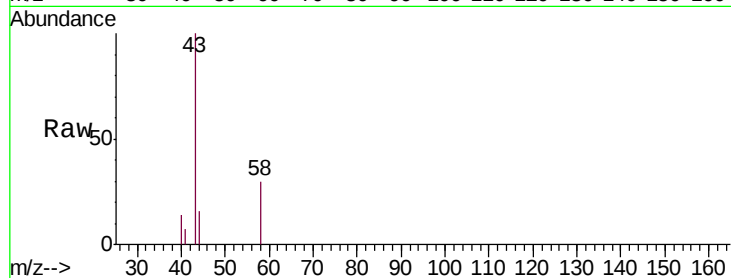
SB-5-(8-10)

Tgt Ion: 43 Resp: 3251

Ion Ratio Lower Upper

43 100

58 29.6 28.0 42.0



#20

Methylene Chloride

Concen: 1.117 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY000858.D

Acq: 04 Dec 2019 13:12

Tgt Ion: 84 Resp: 1980

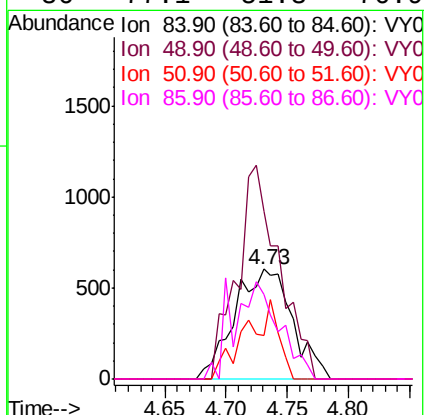
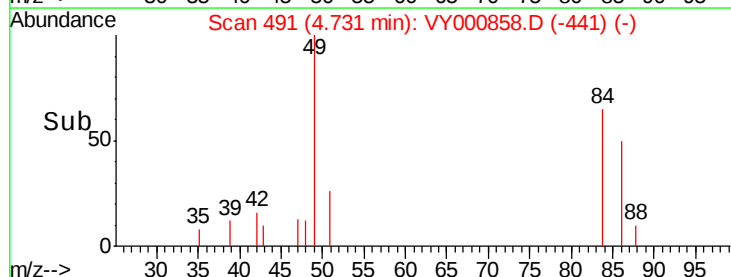
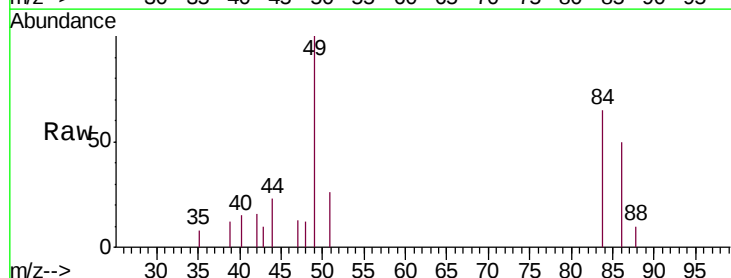
Ion Ratio Lower Upper

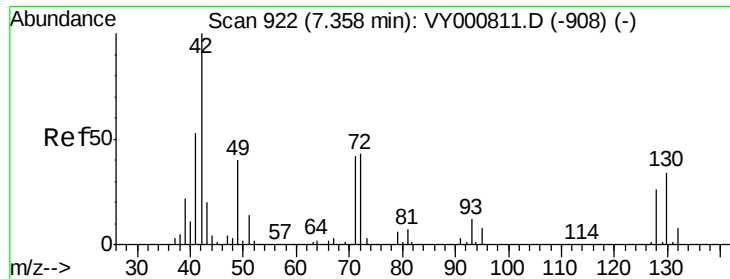
84 100

49 153.0 101.3 151.9#

51 40.2 30.6 45.8

86 77.1 51.3 76.9#





#29

Tetrahydrofuran

Concen: 2.023 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.02 min

Lab File: VY000858.D

Acq: 04 Dec 2019 13:12

Instrument :

MSVOA_Y

ClientSampleId :

SB-5-(8-10)

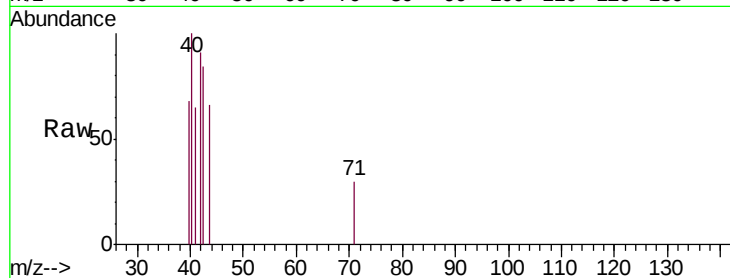
Tgt Ion: 42 Resp: 833

Ion Ratio Lower Upper

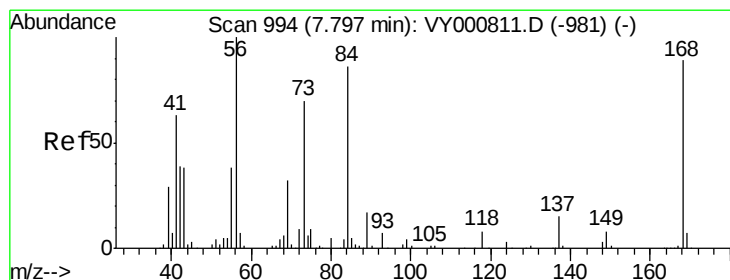
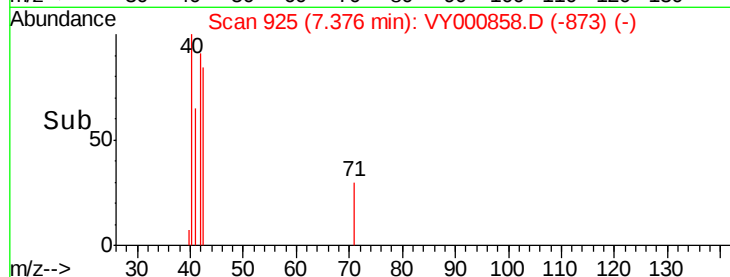
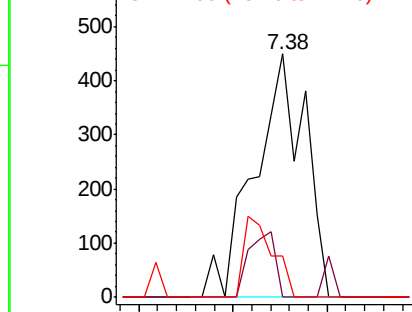
42 100

72 13.8 35.1 52.7#

71 19.1 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



#31

Cyclohexane

Concen: 1.091 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY000858.D

Acq: 04 Dec 2019 13:12

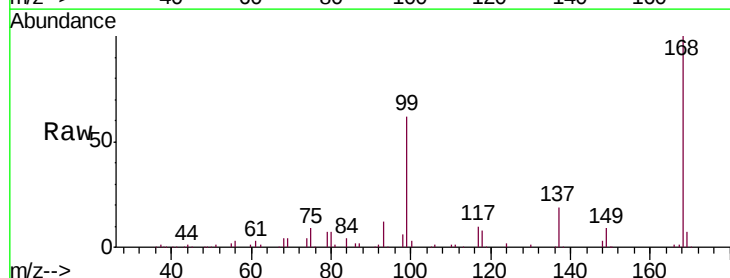
Tgt Ion: 56 Resp: 3396

Ion Ratio Lower Upper

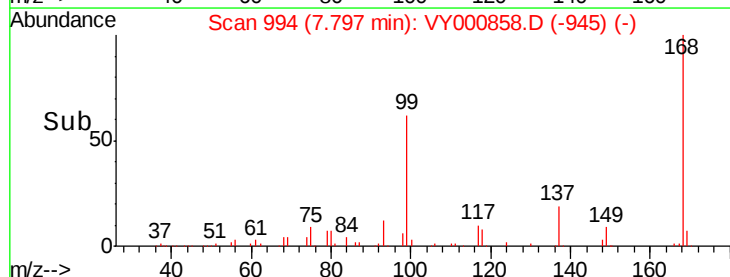
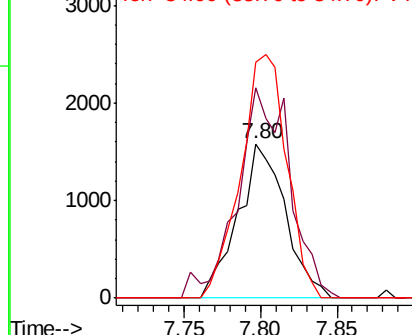
56 100

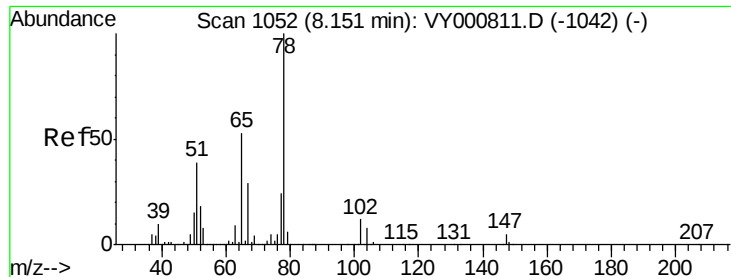
69 136.8 25.9 38.9#

84 153.0 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

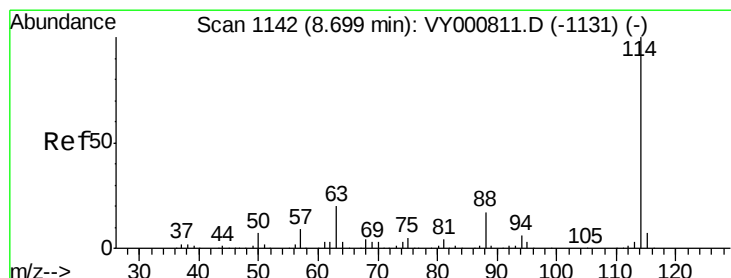
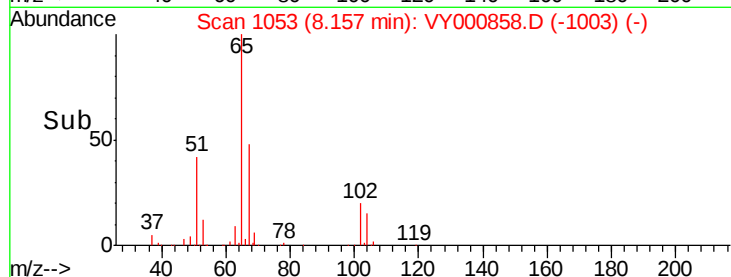
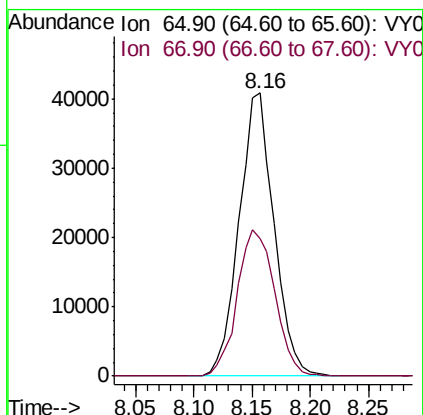
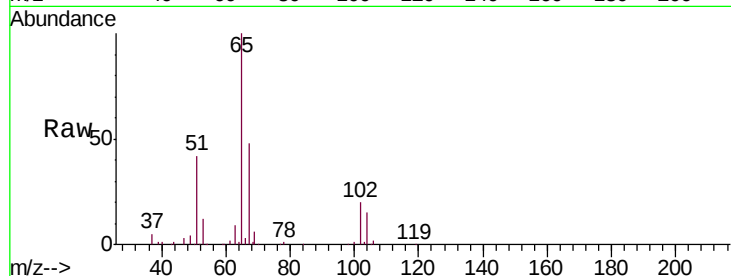




#33
 1,2-Dichloroethane-d4
 Concen: 58.356 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VY000858.D
 Acq: 04 Dec 2019 13:12

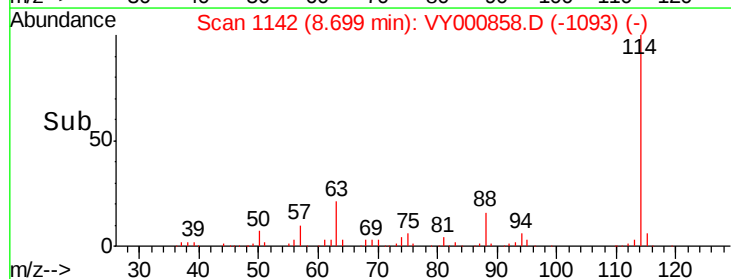
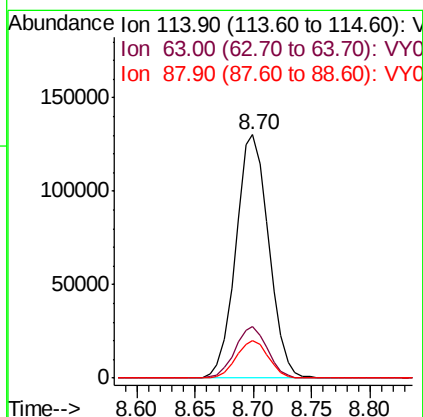
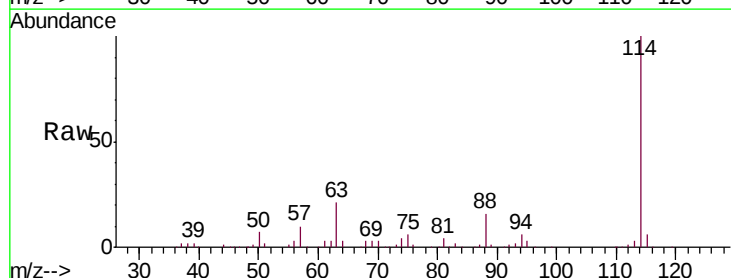
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-5-(8-10)

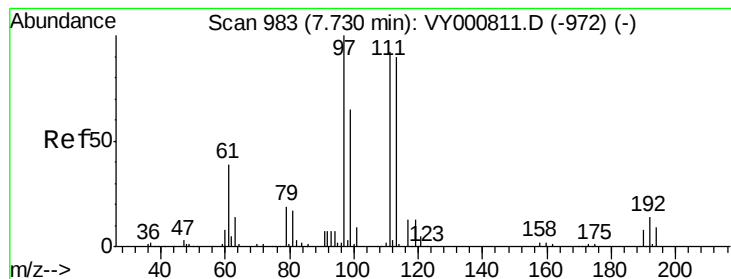
Tgt Ion: 65 Resp: 85571
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000858.D
 Acq: 04 Dec 2019 13:12

Tgt Ion: 114 Resp: 256366
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 39.8
 88 15.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.521 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000858.D

Acq: 04 Dec 2019 13:12

Instrument :

MSVOA_Y

ClientSampleId :

SB-5-(8-10)

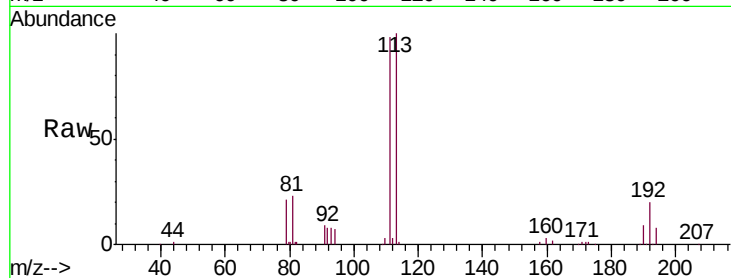
Tgt Ion:113 Resp: 73990

Ion Ratio Lower Upper

113 100

111 103.6 82.4 123.6

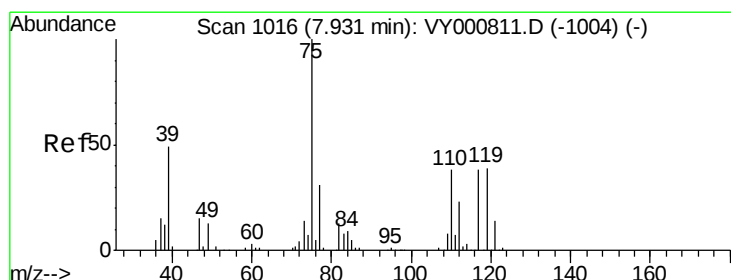
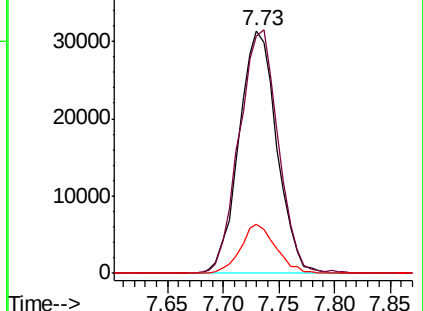
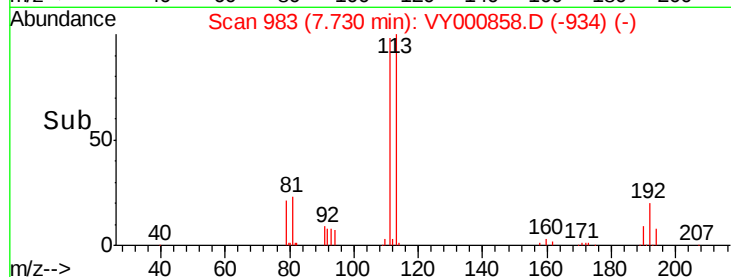
192 18.8 14.2 21.2



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: 4.226 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000858.D

Acq: 04 Dec 2019 13:12

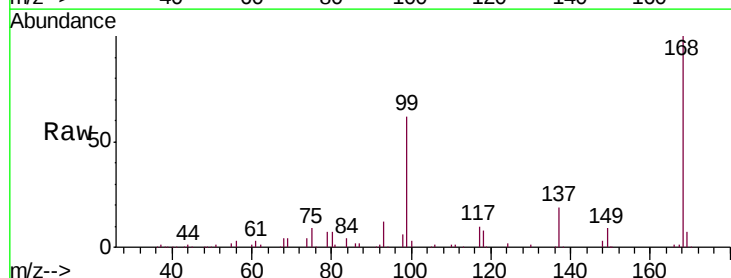
Tgt Ion: 75 Resp: 10772

Ion Ratio Lower Upper

75 100

110 8.6 17.9 53.7#

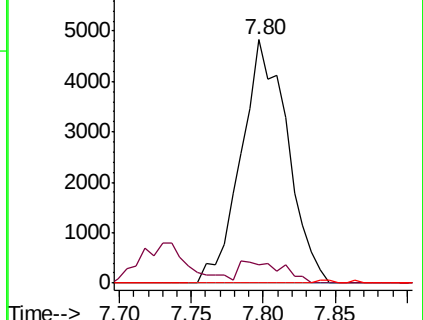
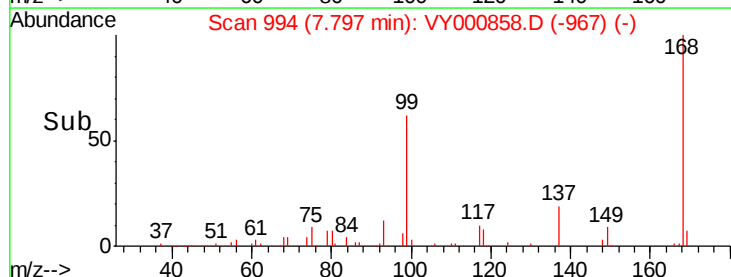
77 0.0 24.7 37.1#

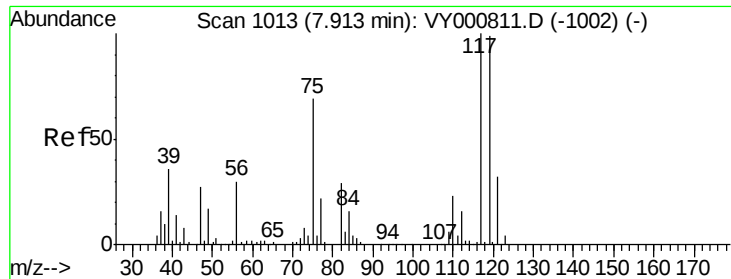


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.176 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000858.D

Acq: 04 Dec 2019 13:12

Instrument :

MSVOA_Y

ClientSampleId :

SB-5-(8-10)

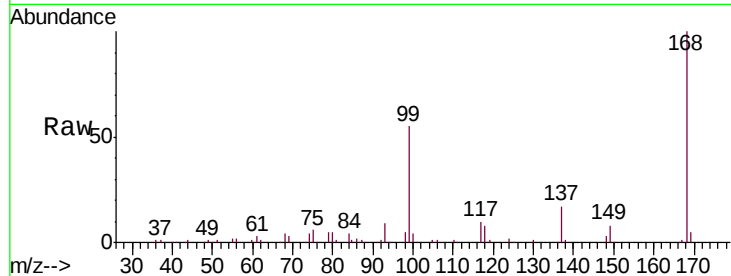
Tgt Ion:117 Resp: 14020

Ion Ratio Lower Upper

117 100

119 6.0 79.3 118.9#

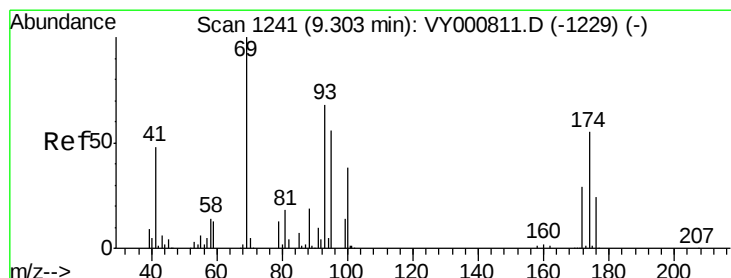
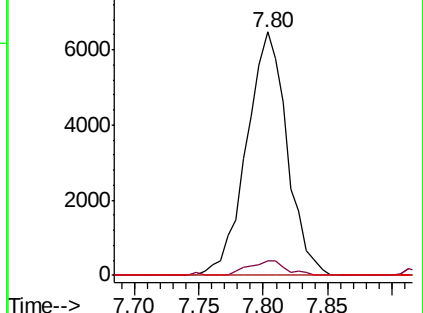
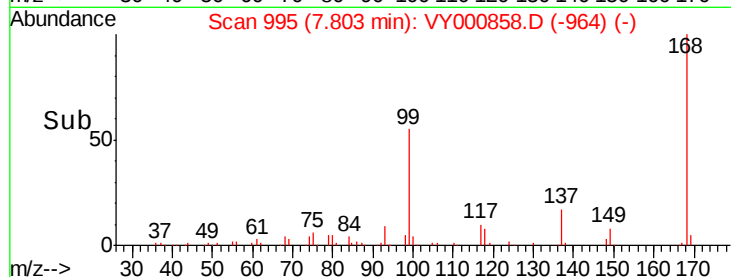
121 0.0 25.5 38.3#



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: 3.114 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VY000858.D

Acq: 04 Dec 2019 13:12

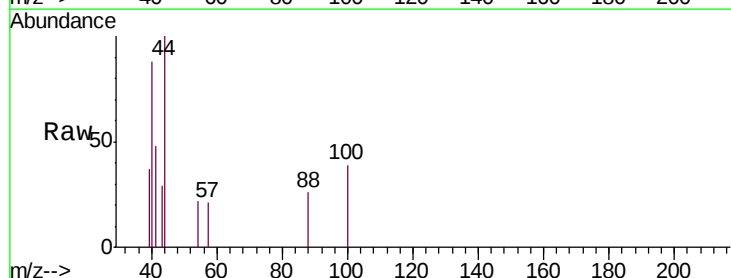
Tgt Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

43 153.5 21.1 31.7#

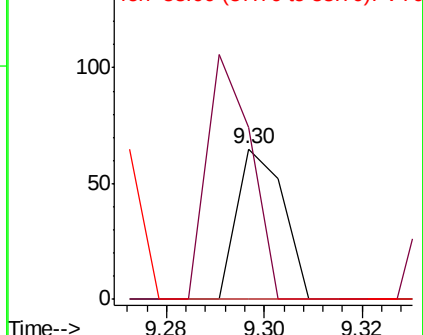
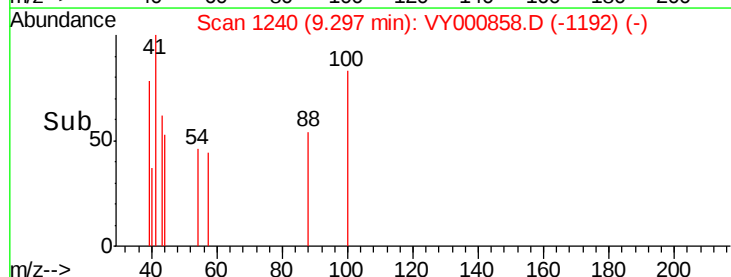
58 0.0 50.7 76.1#

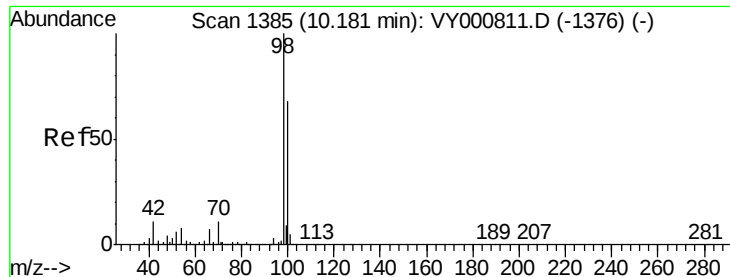


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 51.310 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000858.D

Acq: 04 Dec 2019 13:12

Instrument :

MSVOA_Y

ClientSampleId :

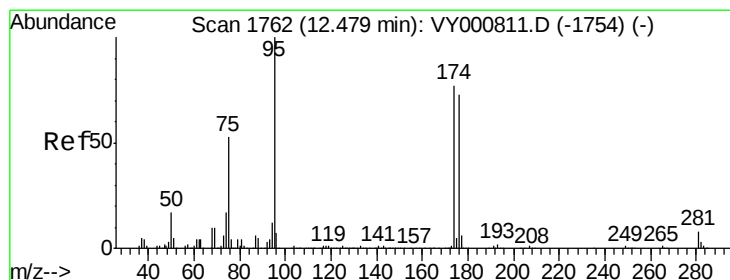
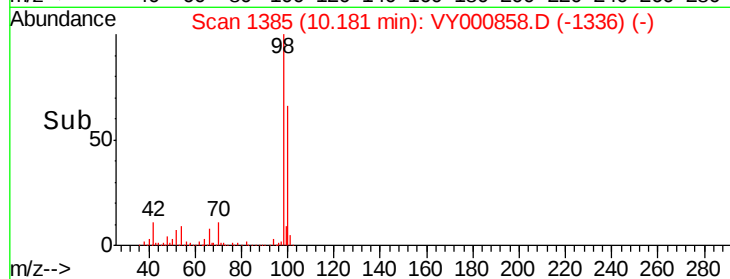
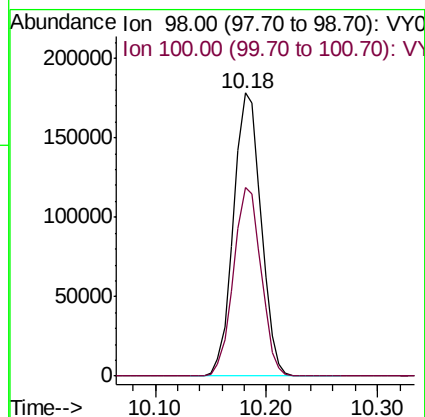
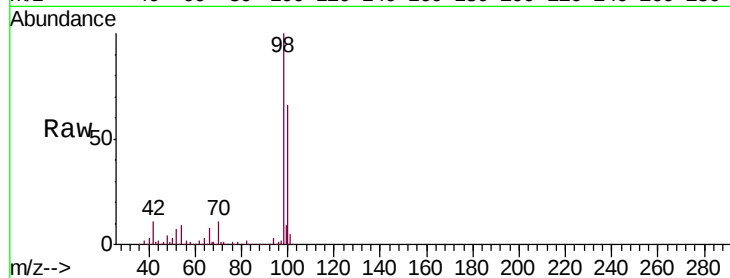
SB-5-(8-10)

Tgt Ion: 98 Resp: 306493

Ion Ratio Lower Upper

98 100

100 66.2 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 44.965 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000858.D

Acq: 04 Dec 2019 13:12

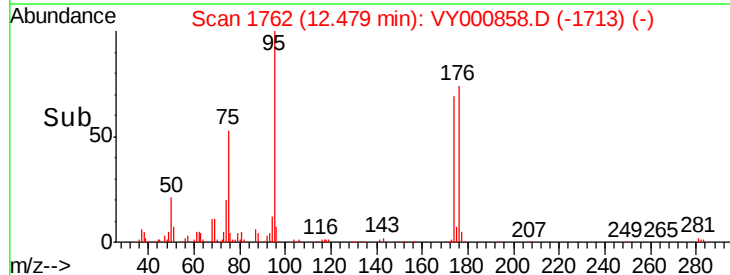
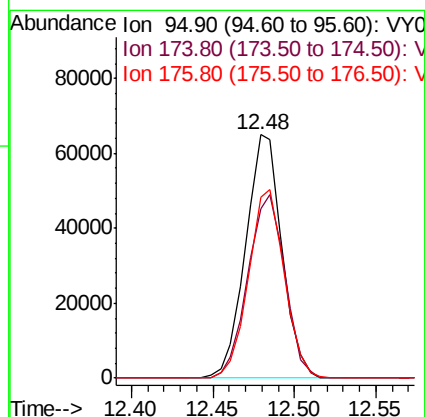
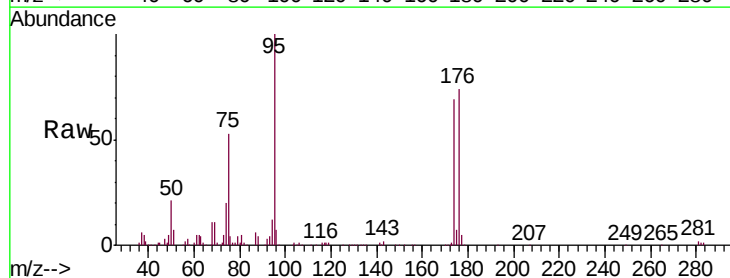
Tgt Ion: 95 Resp: 100871

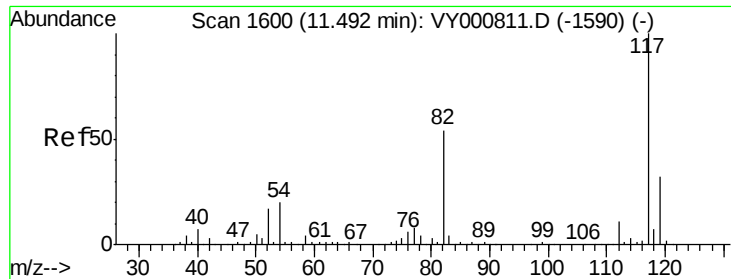
Ion Ratio Lower Upper

95 100

174 76.5 0.0 150.6

176 76.3 0.0 145.2

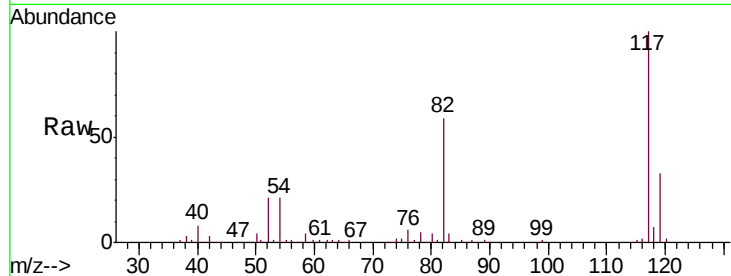




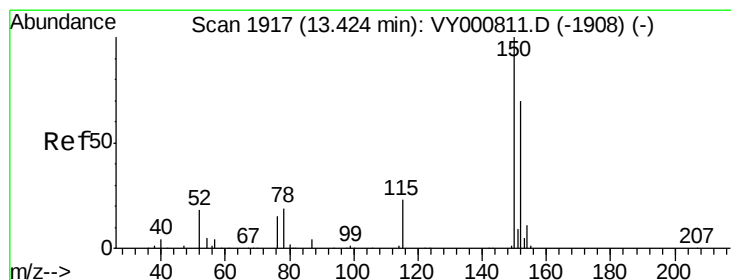
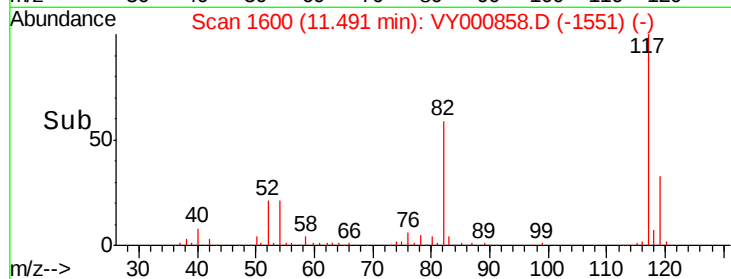
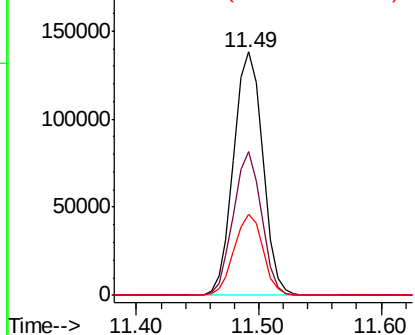
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000858.D
Acq: 04 Dec 2019 13:12

Instrument :
MSVOA_Y
ClientSampleId :
SB-5-(8-10)

Tgt Ion:117 Resp: 228183
Ion Ratio Lower Upper
117 100
82 59.1 43.1 64.7
119 33.1 25.3 37.9

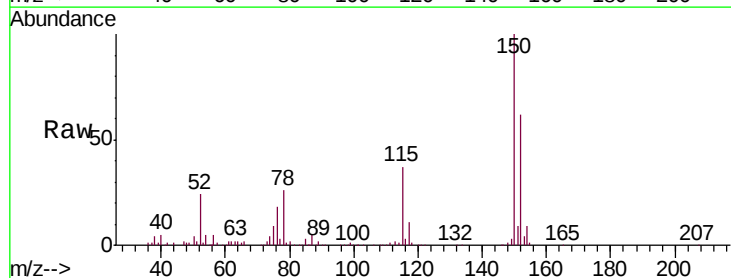


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

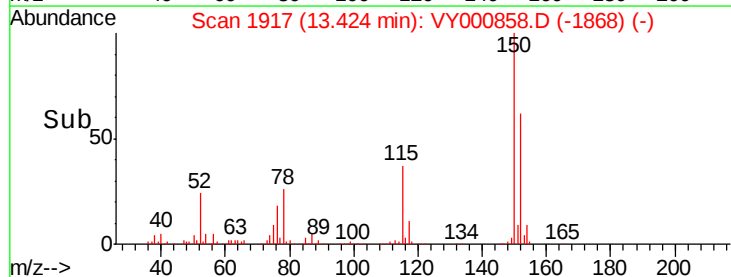
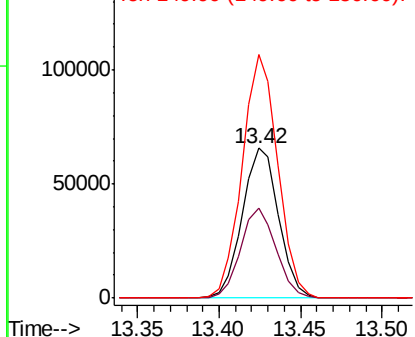


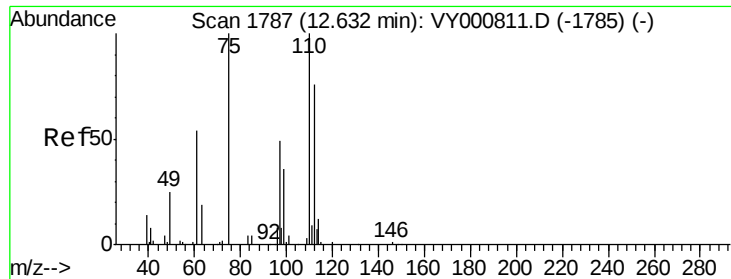
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000858.D
Acq: 04 Dec 2019 13:12

Tgt Ion:152 Resp: 101713
Ion Ratio Lower Upper
152 100
115 58.5 29.3 87.8
150 158.8 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: 45.852 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000858.D

Acq: 04 Dec 2019 13:12

Instrument :

MSVOA_Y

ClientSampleId :

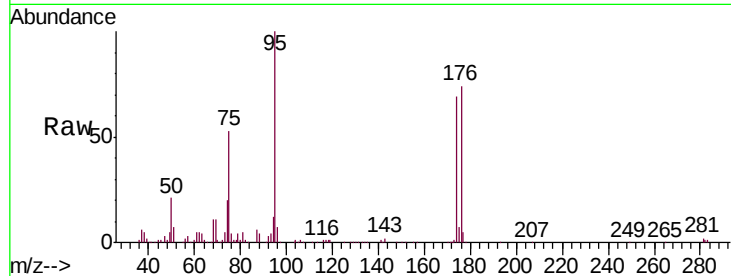
SB-5-(8-10)

Tgt Ion: 75 Resp: 52840

Ion Ratio Lower Upper

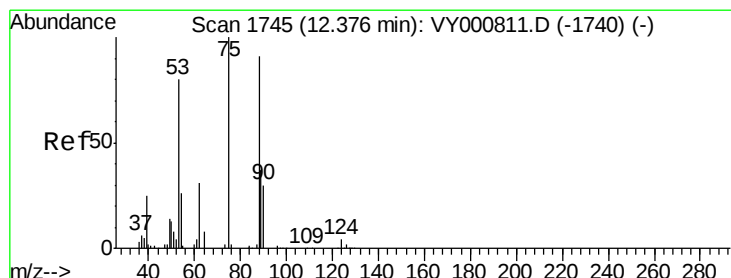
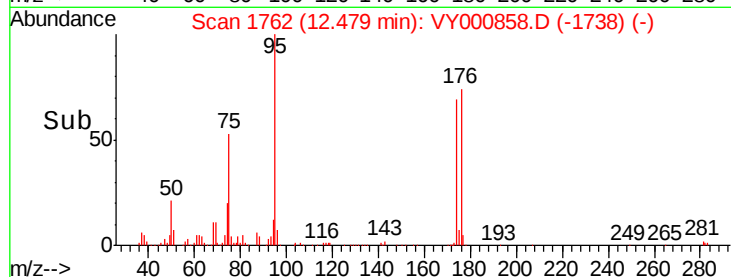
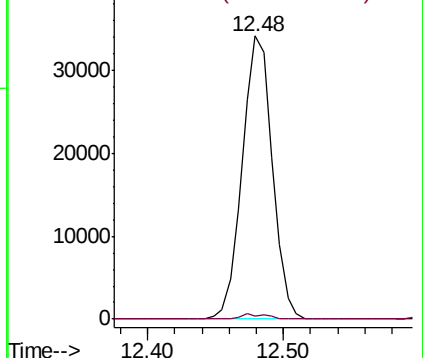
75 100

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: 90.067 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000858.D

Acq: 04 Dec 2019 13:12

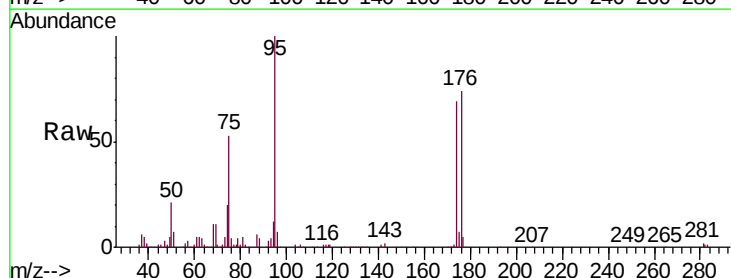
Tgt Ion: 75 Resp: 52840

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.1 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

