

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111919\
 Data File : VY000738.D
 Acq On : 19 Nov 2019 12:02
 Operator : SY/MD
 Sample : VY1119SBL01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1119SBL01

Quant Time: Nov 19 15:32:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	221007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	368971	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	328956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	153848	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	123680	54.08	ug/l	0.00
Spiked Amount			Recovery	=	108.16%	
35) Dibromofluoromethane	7.72	113	106162	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	10.18	98	424325	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	
62) 4-Bromofluorobenzene	12.48	95	144475	46.17	ug/l	0.00
Spiked Amount			Recovery	=	92.34%	

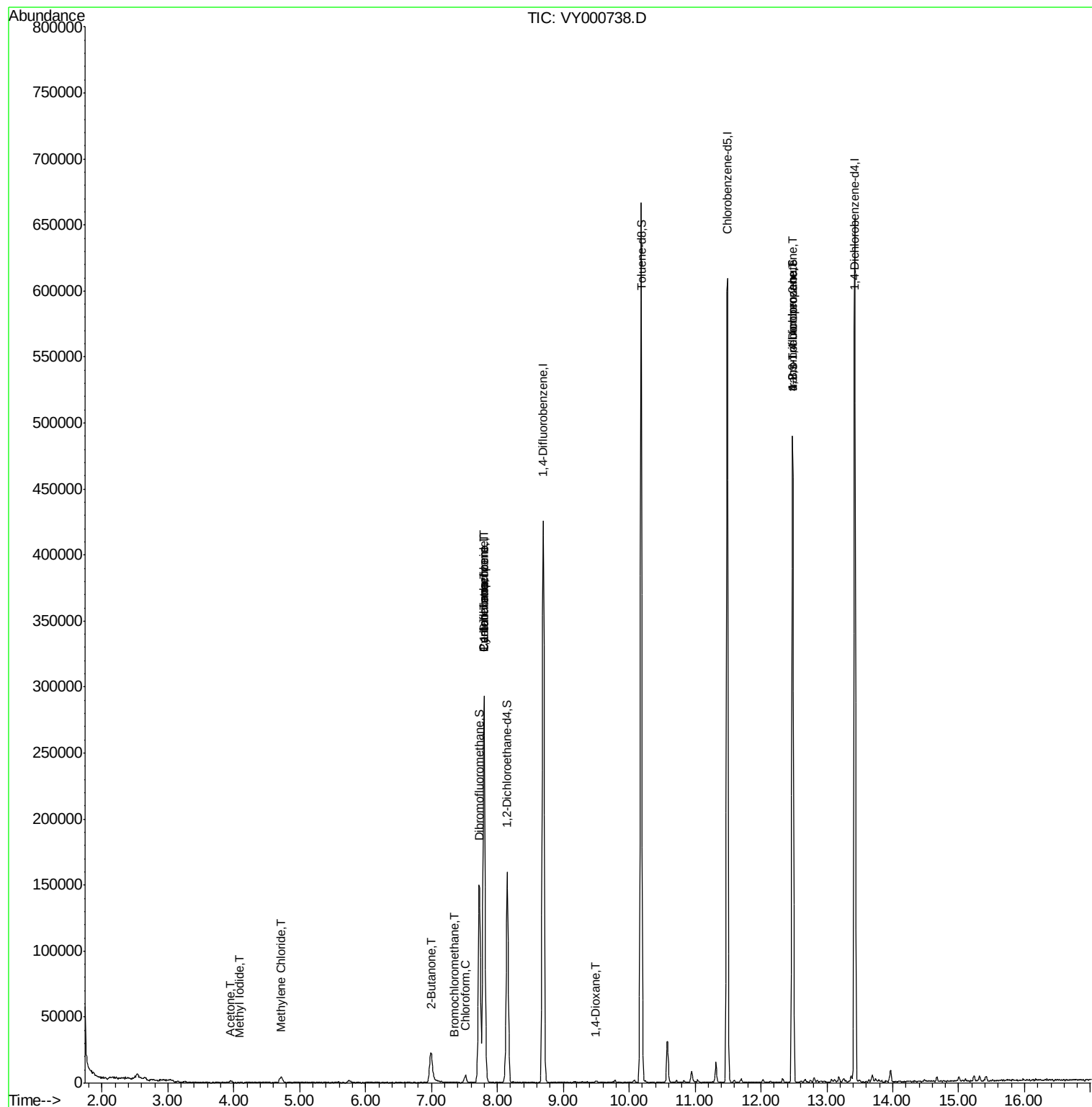
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.09	142	311	3.297	ug/l #	77
16) Acetone	3.95	43	2703	4.288	ug/l	91
20) Methylene Chloride	4.71	84	3269	1.210	ug/l	87
25) 2-Butanone	7.00	43	1631	1.621	ug/l #	49
28) Bromochloromethane	7.35	49	27	4.105	ug/l #	1
30) Chloroform	7.52	83	4578	1.071	ug/l	95
31) Cyclohexane	7.80	56	6041	1.365	ug/l #	34
36) 1,1-Dichloropropene	7.79	75	17321	4.966	ug/l #	49
38) Carbon Tetrachloride	7.80	117	21413	6.380	ug/l #	14
49) 1,4-Dioxane	9.48	88	25	1.342	ug/l #	27
76) 1,2,3-Trichloropropane	12.48	75	76794	43.838	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	76794	98.291	ug/l #	13

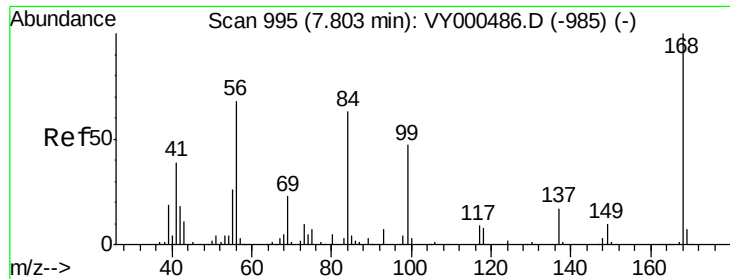
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000738.D

Acq: 19 Nov 2019 12:02

Instrument :

MSVOA_Y

ClientSampleId :

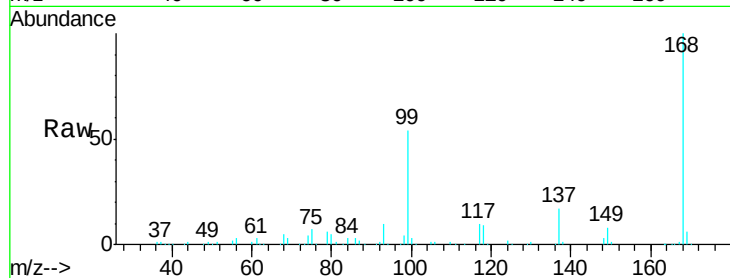
VY1119SBL01

Tgt Ion:168 Resp: 221007

Ion Ratio Lower Upper

168 100

99 54.4 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

7.80

100000

80000

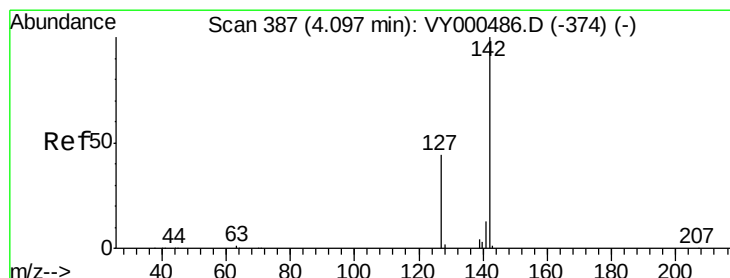
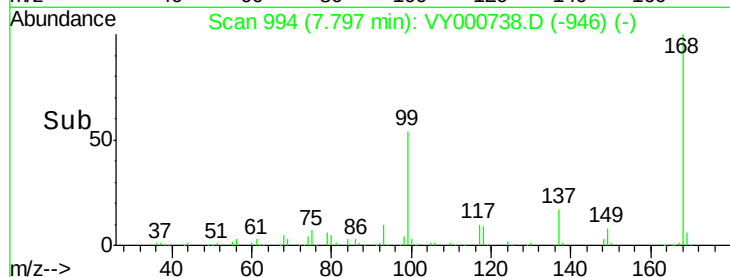
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 3.297 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000738.D

Acq: 19 Nov 2019 12:02

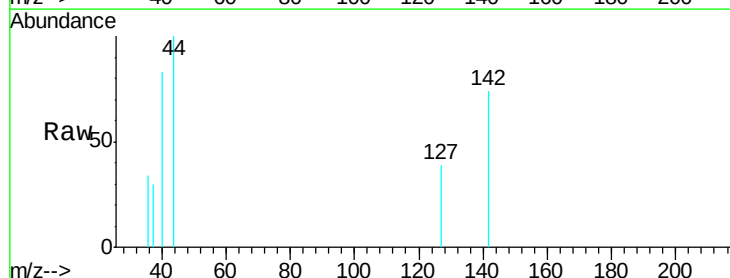
Tgt Ion:142 Resp: 311

Ion Ratio Lower Upper

142 100

127 29.9 33.7 50.5#

141 0.0 10.9 16.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.09

250

200

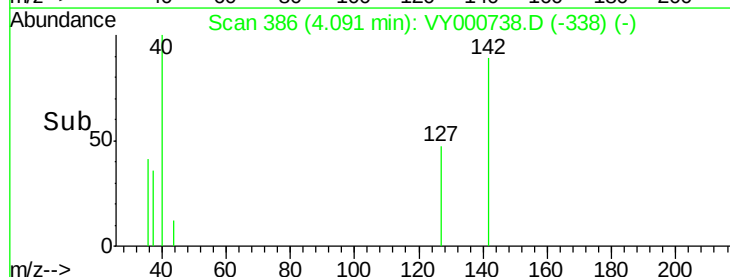
150

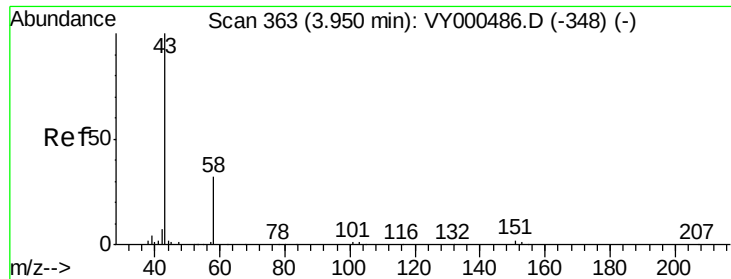
100

50

0

Time-->





#16

Acetone

Concen: 4.288 ug/l

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VY000738.D

Acq: 19 Nov 2019 12:02

Instrument :

MSVOA_Y

ClientSampleId :

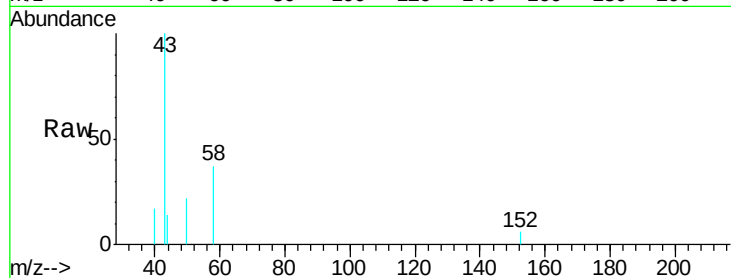
VY1119SBL01

Tgt Ion: 43 Resp: 2703

Ion Ratio Lower Upper

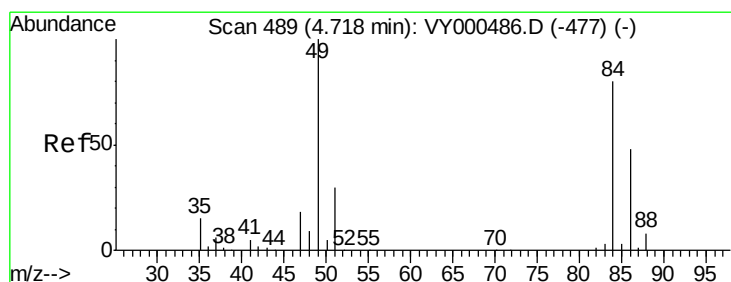
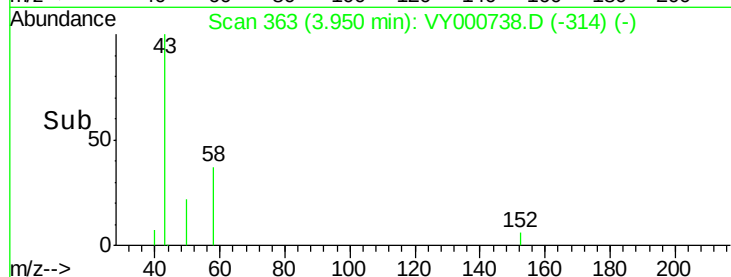
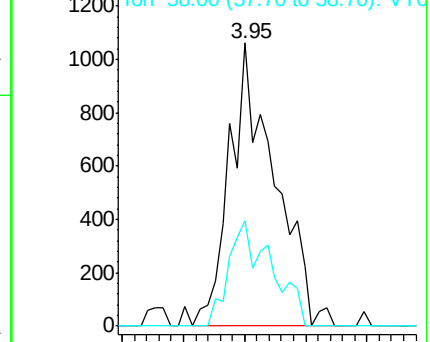
43 100

58 37.2 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY000738.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY000738.D (-314) (-)



#20

Methylene Chloride

Concen: 1.210 ug/l

RT: 4.71 min Scan# 488

Delta R.T. -0.01 min

Lab File: VY000738.D

Acq: 19 Nov 2019 12:02

Tgt Ion: 84 Resp: 3269

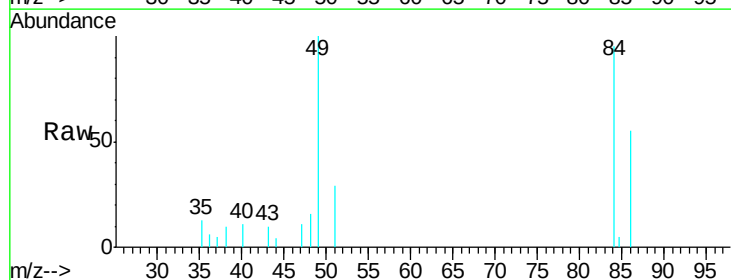
Ion Ratio Lower Upper

84 100

49 105.3 100.2 150.4

51 30.4 29.6 44.4

86 57.9 48.3 72.5

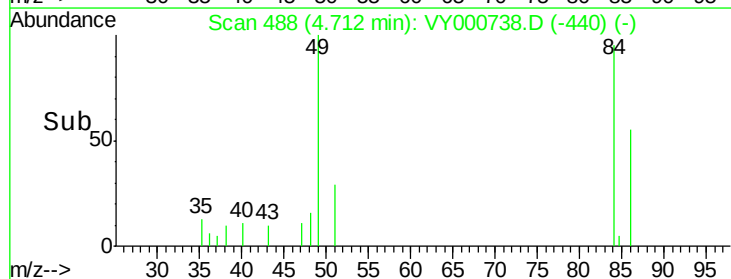
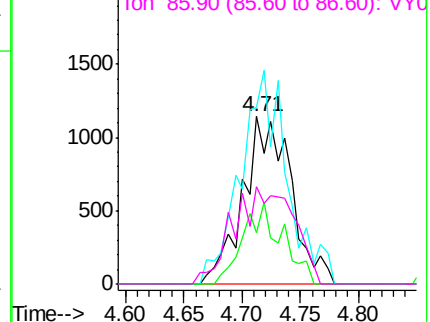


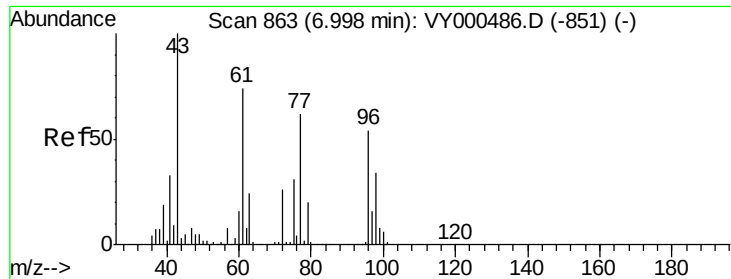
Abundance Ion 83.90 (83.60 to 84.60): VY000738.D (-440) (-)

Ion 48.90 (48.60 to 49.60): VY000738.D (-440) (-)

Ion 50.90 (50.60 to 51.60): VY000738.D (-440) (-)

Ion 85.90 (85.60 to 86.60): VY000738.D (-440) (-)





#25

2-Butanone

Concen: 1.621 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000738.D

Acq: 19 Nov 2019 12:02

Instrument :

MSVOA_Y

ClientSampleId :

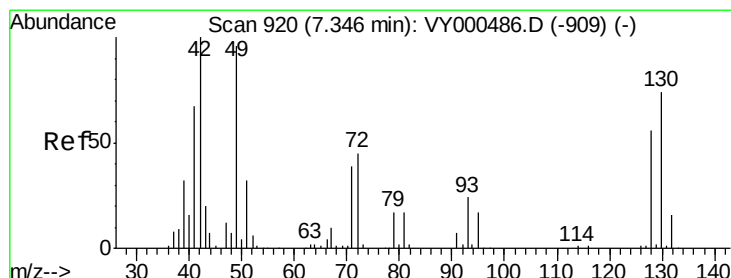
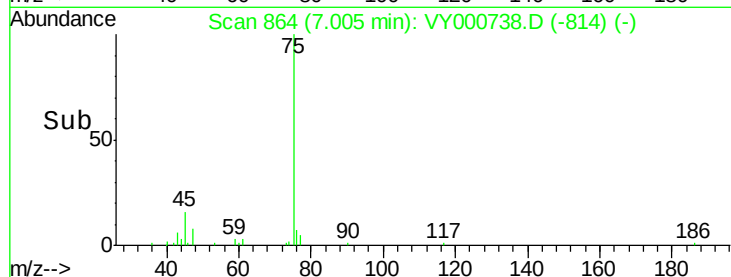
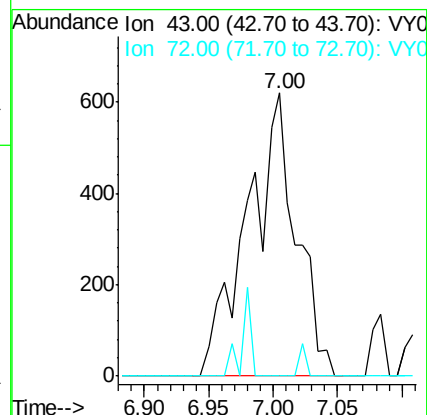
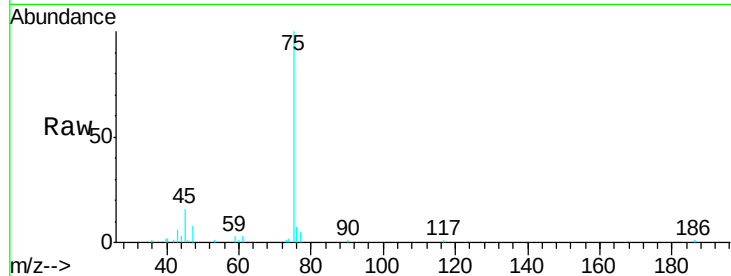
VY1119SBL01

Tgt Ion: 43 Resp: 1631

Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



#28

Bromochloromethane

Concen: 4.105 ug/l

RT: 7.35 min Scan# 920

Delta R.T. 0.00 min

Lab File: VY000738.D

Acq: 19 Nov 2019 12:02

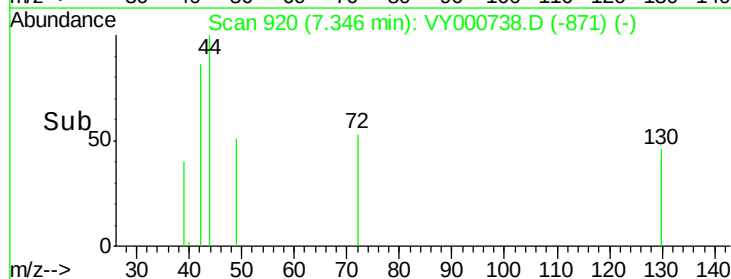
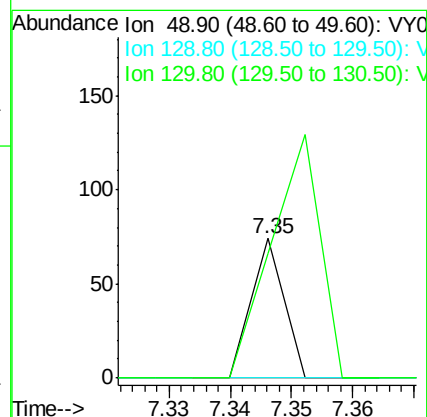
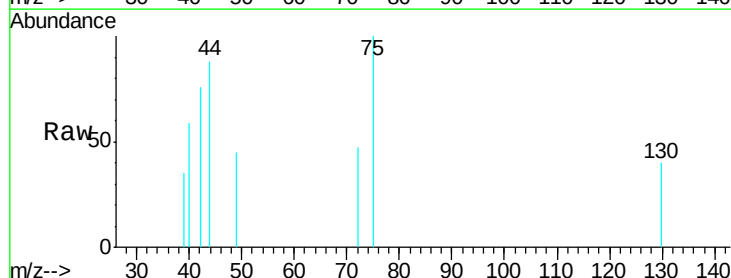
Tgt Ion: 49 Resp: 27

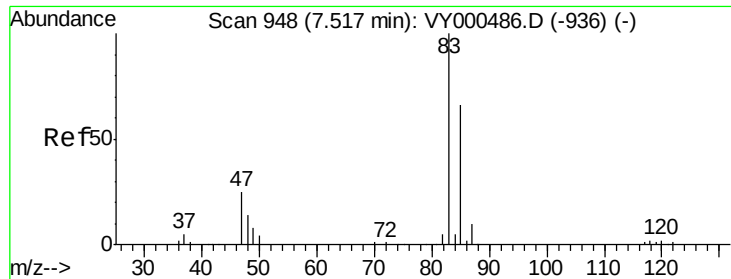
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 263.0 59.4 89.0#

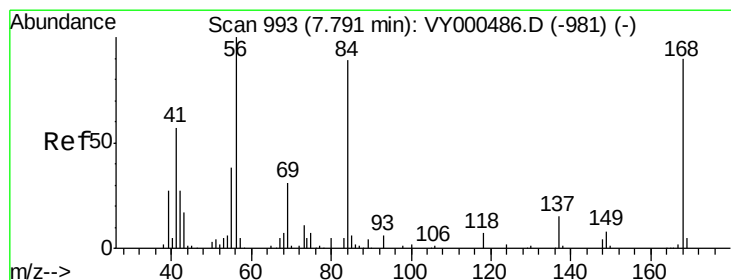
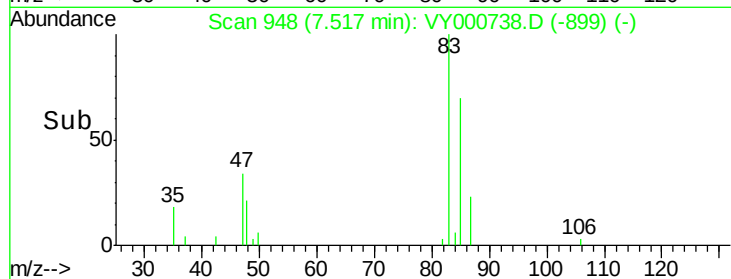
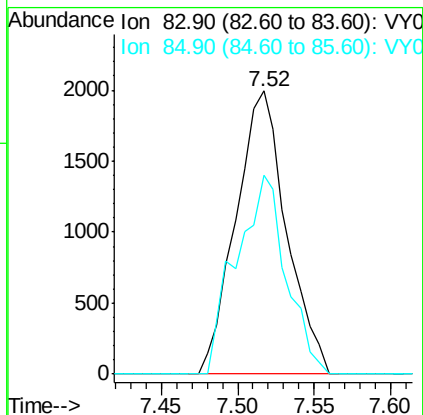
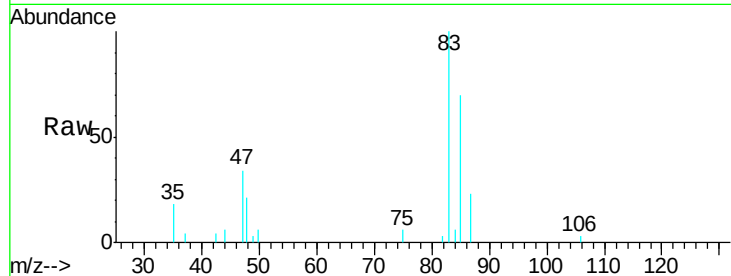




#30
Chloroform
Concen: 1.071 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY000738.D
Acq: 19 Nov 2019 12:02

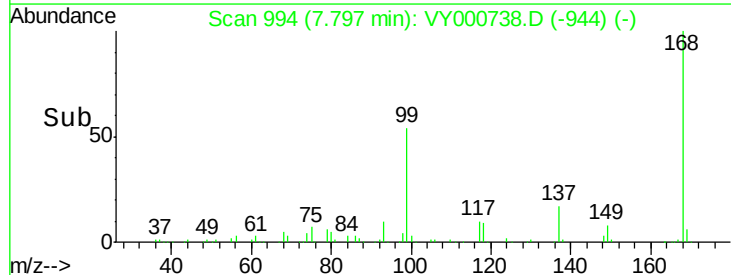
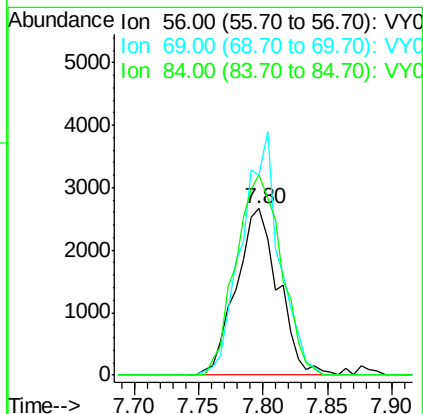
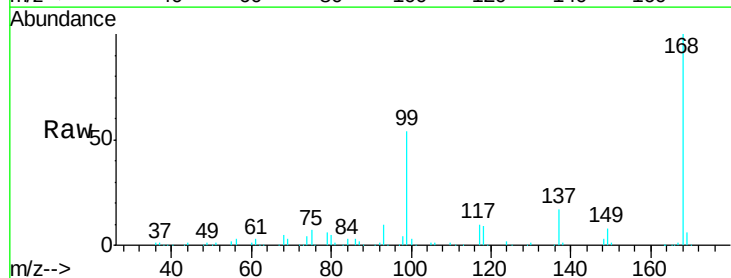
Instrument :
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ClientSampleId :
VY1119SBL01

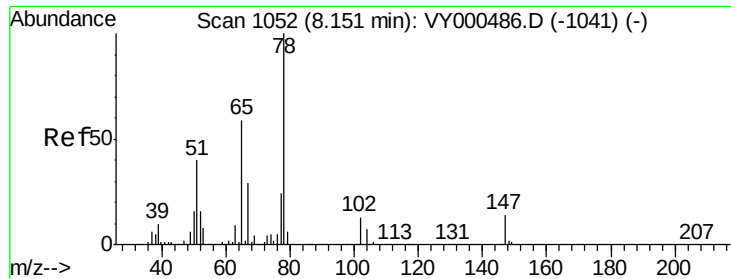
Tgt Ion: 83 Resp: 4578
Ion Ratio Lower Upper
83 100
85 70.3 53.0 79.4



#31
Cyclohexane
Concen: 1.365 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000738.D
Acq: 19 Nov 2019 12:02

Tgt Ion: 56 Resp: 6041
Ion Ratio Lower Upper
56 100
69 120.3 25.0 37.6#
84 119.9 71.4 107.2#

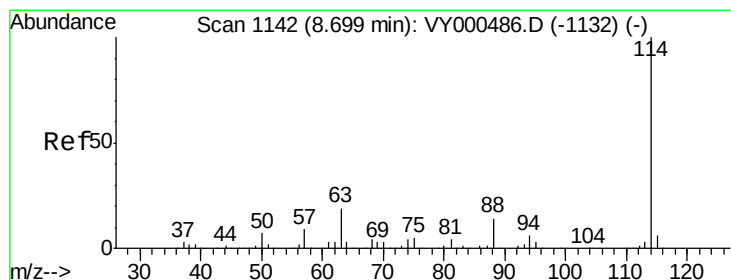
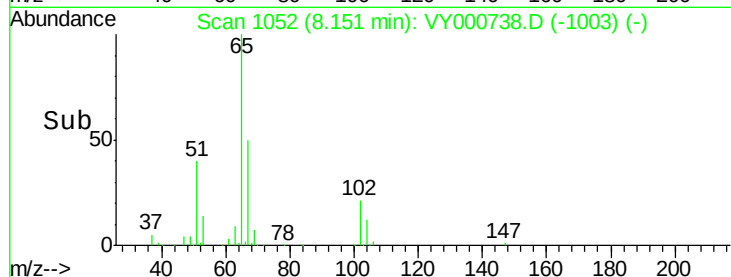
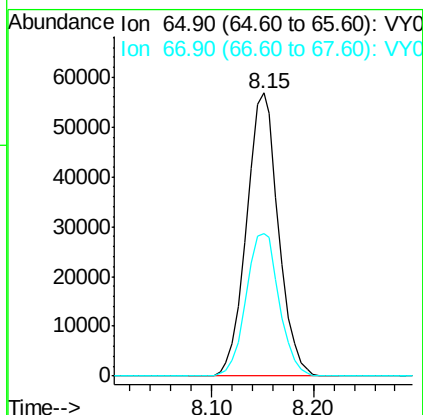
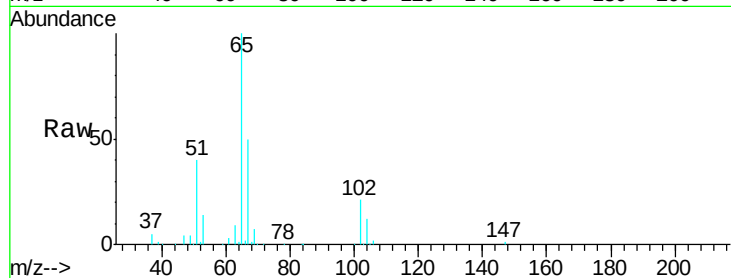




#33
 1,2-Dichloroethane-d4
 Concen: 54.076 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY000738.D
 Acq: 19 Nov 2019 12:02

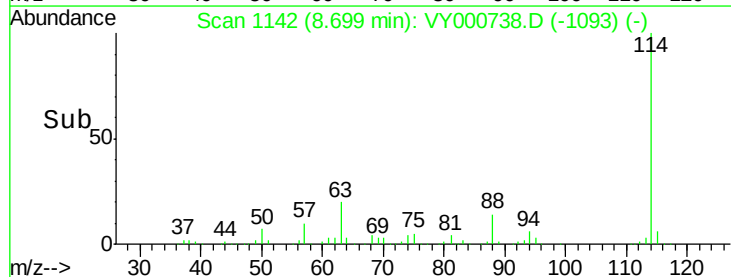
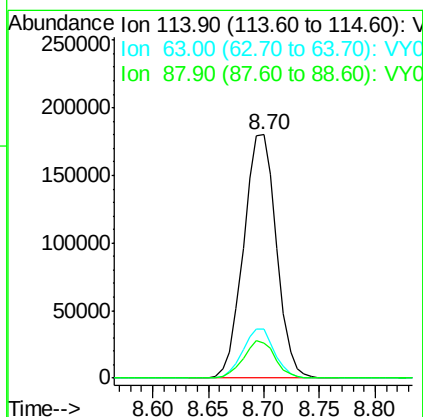
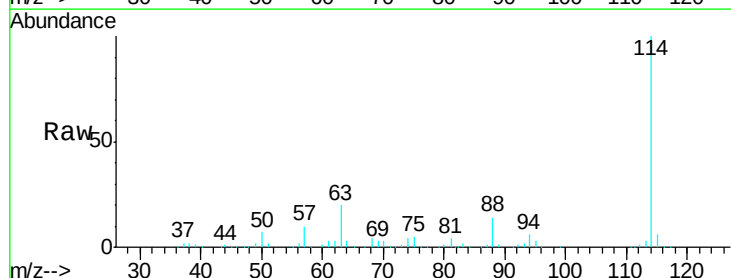
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1119SBL01

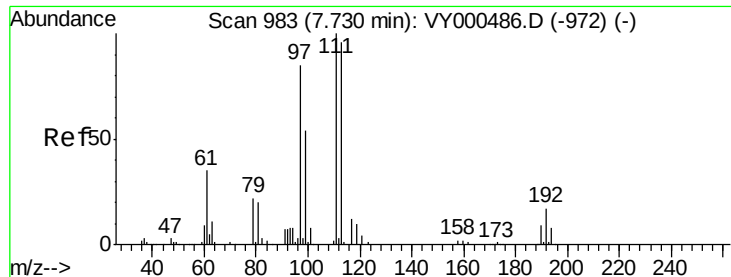
Tgt Ion: 65 Resp: 123680
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000738.D
 Acq: 19 Nov 2019 12:02

Tgt Ion: 114 Resp: 368971
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 38.0
 88 14.4 0.0 28.6

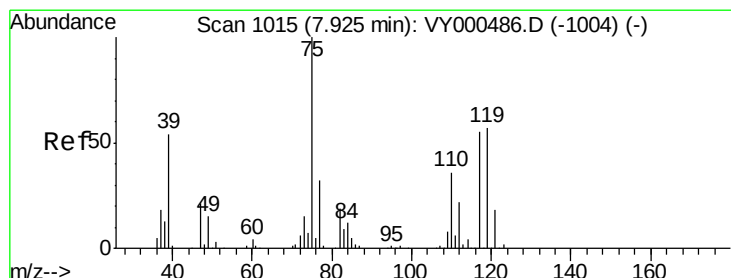
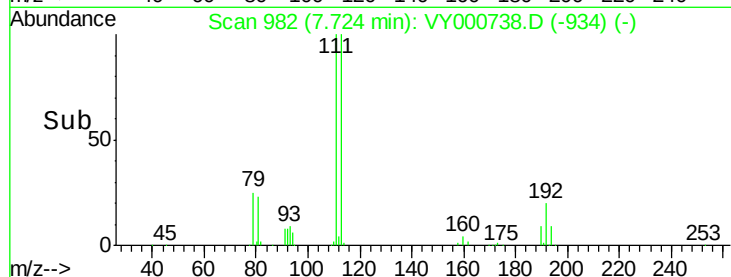
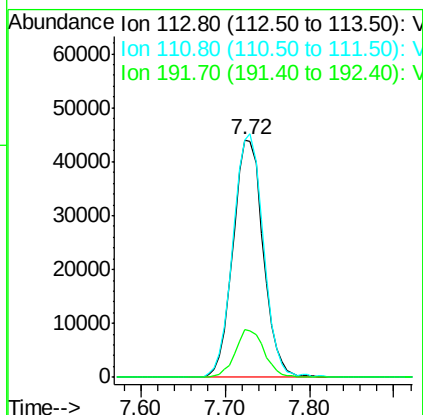
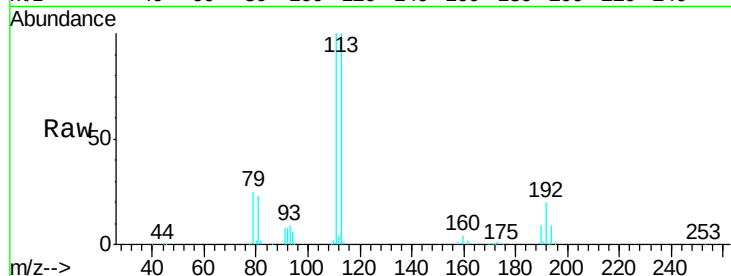




#35
 Dibromofluoromethane
 Concen: 49.011 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY000738.D
 Acq: 19 Nov 2019 12:02

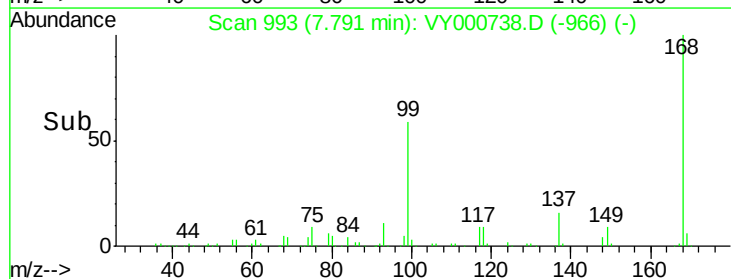
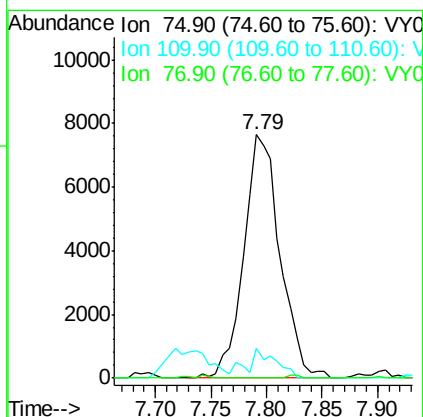
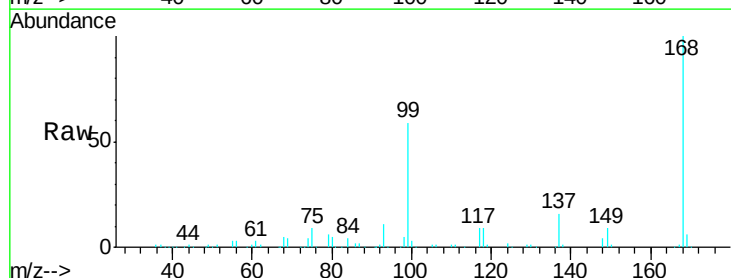
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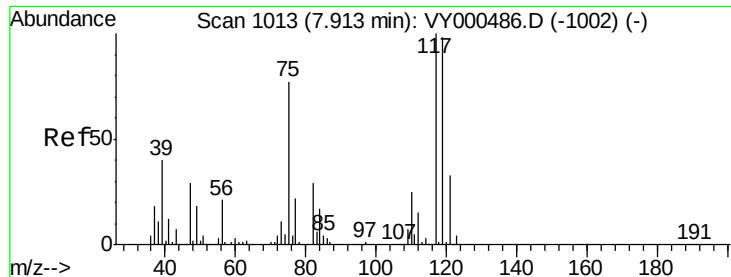
Tgt Ion:113 Resp: 106162
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.7 122.5
 192 19.3 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 4.966 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY000738.D
 Acq: 19 Nov 2019 12:02

Tgt Ion: 75 Resp: 17321
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.1 54.1#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 6.380 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY000738.D

Acq: 19 Nov 2019 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VY1119SBL01

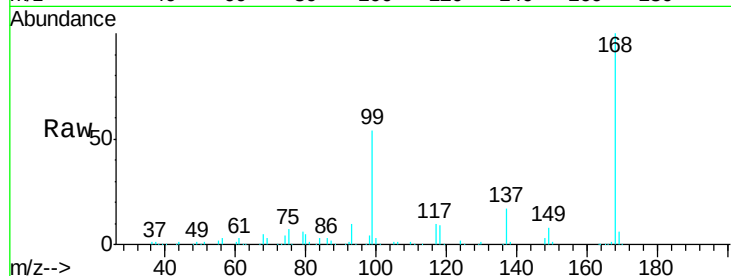
Tgt Ion:117 Resp: 21413

Ion Ratio Lower Upper

117 100

119 3.4 78.0 117.0#

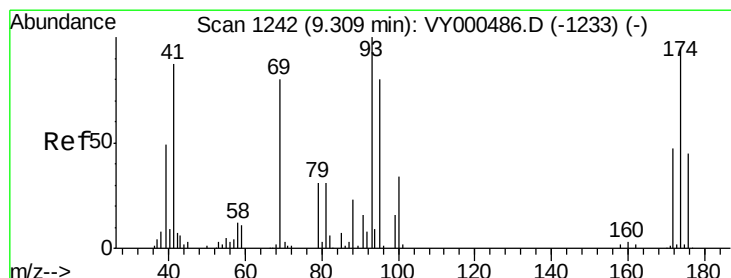
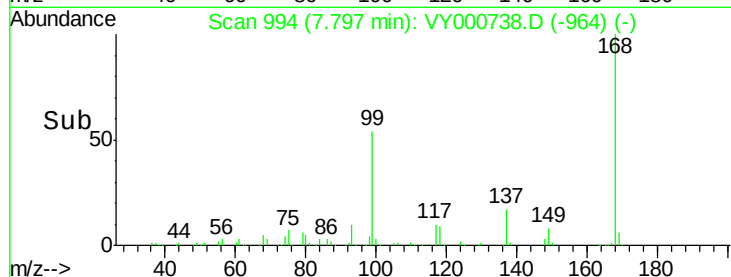
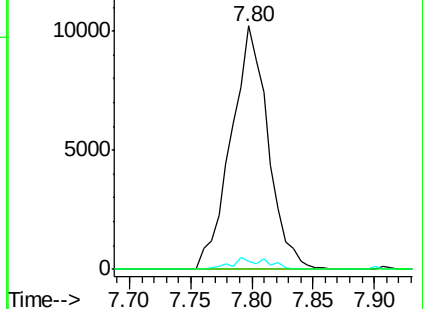
121 0.0 26.6 40.0#



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: 1.342 ug/l

RT: 9.48 min Scan# 1270

Delta R.T. 0.17 min

Lab File: VY000738.D

Acq: 19 Nov 2019 12:02

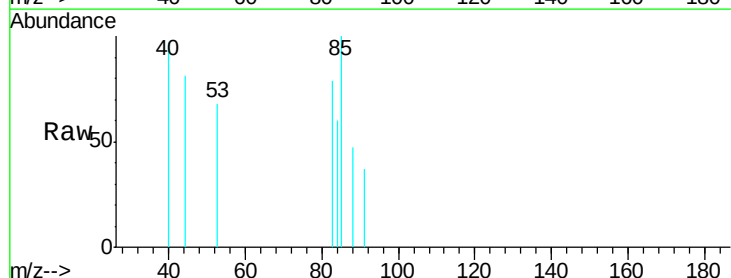
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 0.0 25.1 37.7#

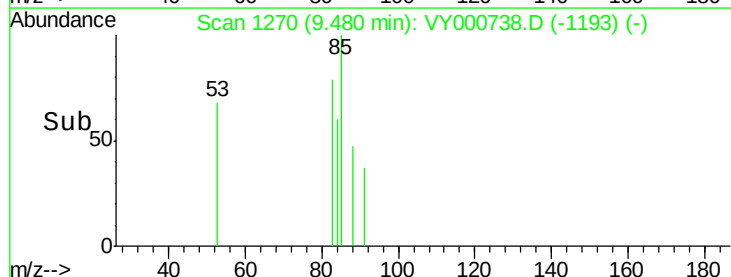
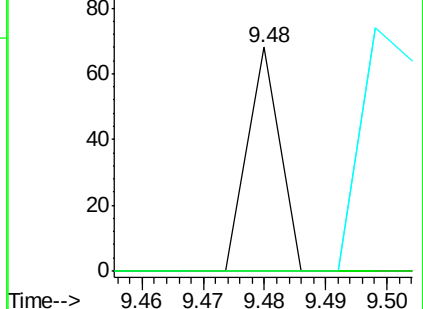
58 0.0 50.6 75.8#

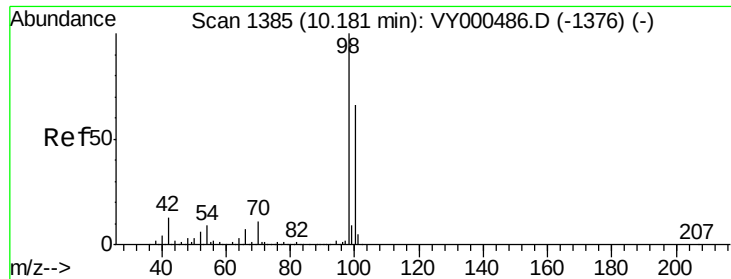


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 51.626 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000738.D

Acq: 19 Nov 2019 12:02

Instrument :

MSVOA_Y

ClientSampleId :

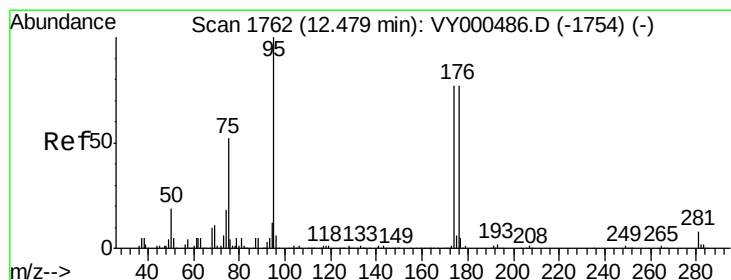
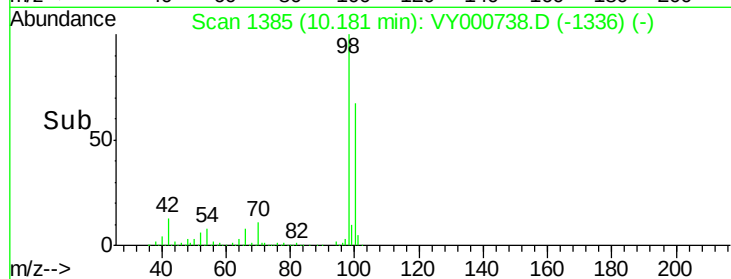
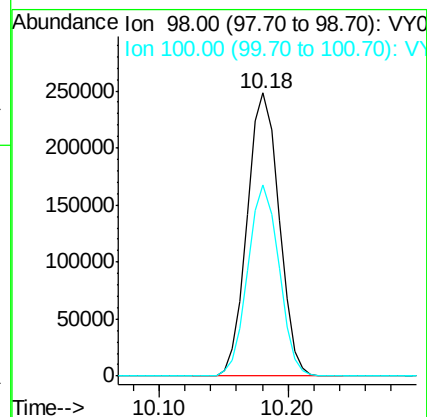
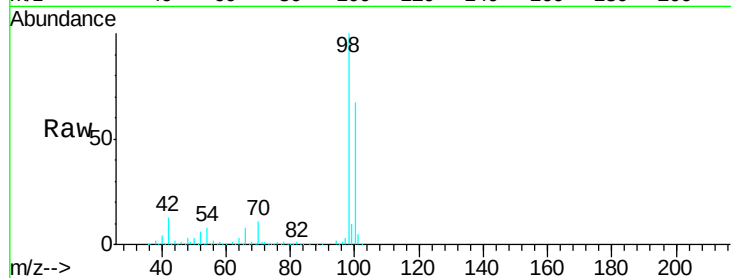
VY1119SBL01

Tgt Ion: 98 Resp: 424325

Ion Ratio Lower Upper

98 100

100 66.3 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 46.173 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000738.D

Acq: 19 Nov 2019 12:02

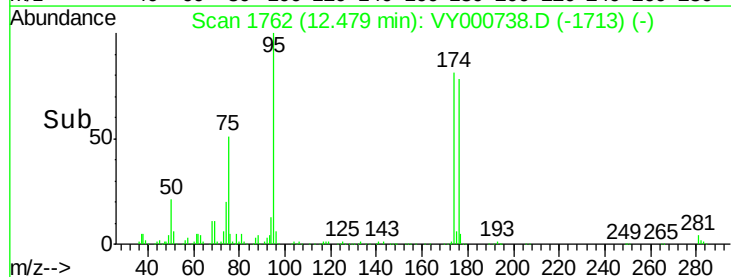
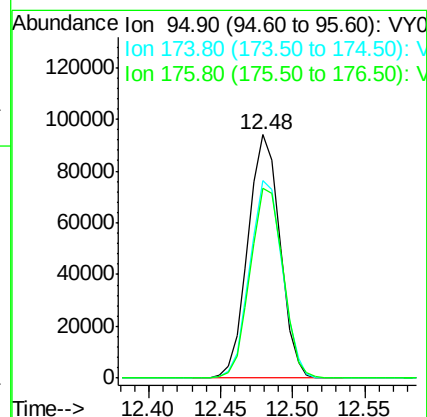
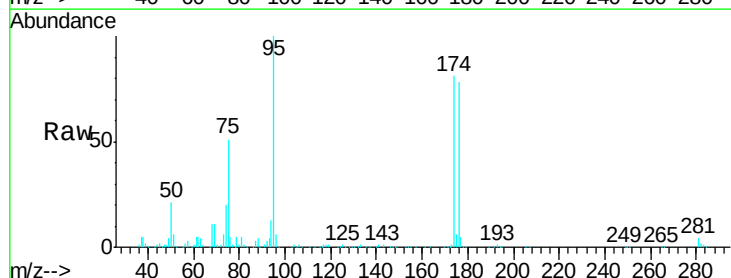
Tgt Ion: 95 Resp: 144475

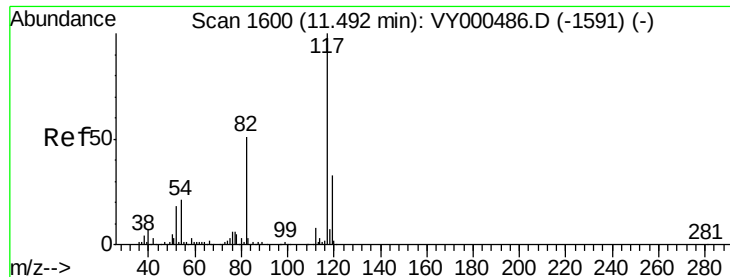
Ion Ratio Lower Upper

95 100

174 82.4 0.0 161.6

176 79.9 0.0 157.8

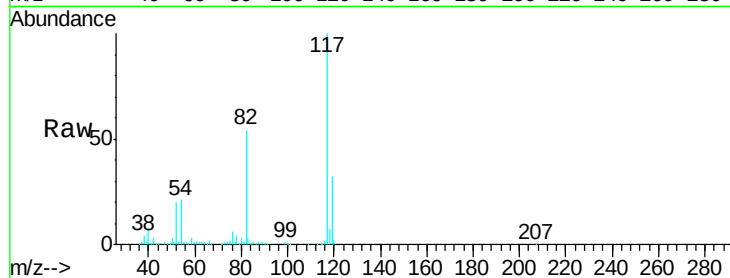




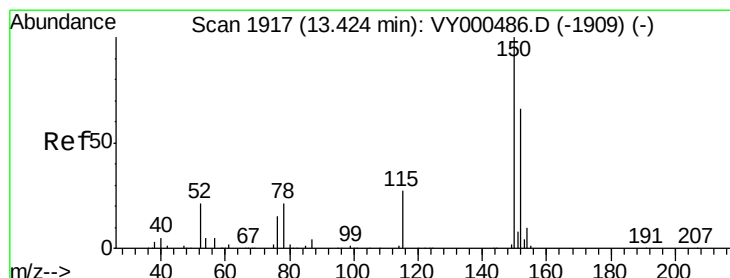
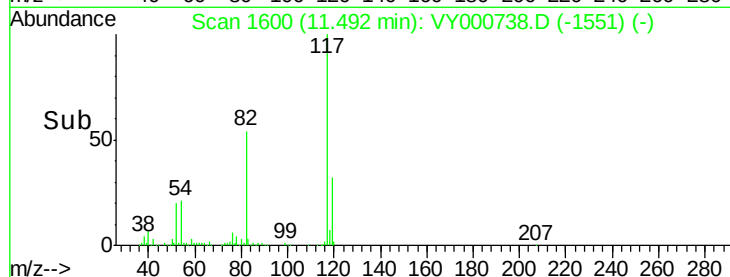
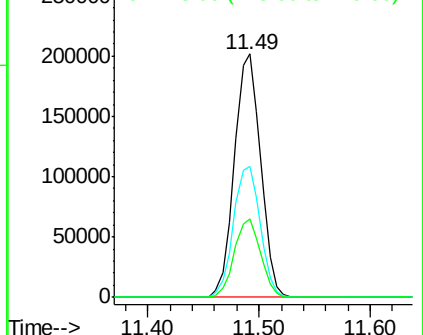
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000738.D
Acq: 19 Nov 2019 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VY1119SBL01

Tgt Ion:117 Resp: 328956
Ion Ratio Lower Upper
117 100
82 53.8 40.8 61.2
119 32.2 26.2 39.2

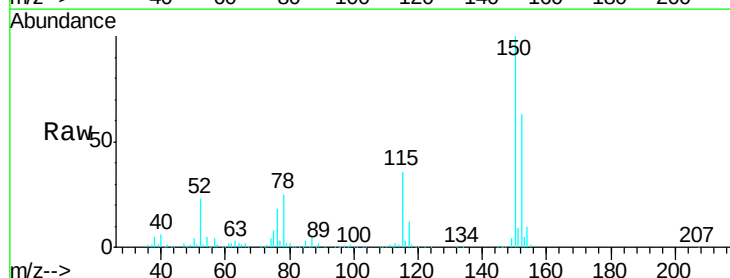


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

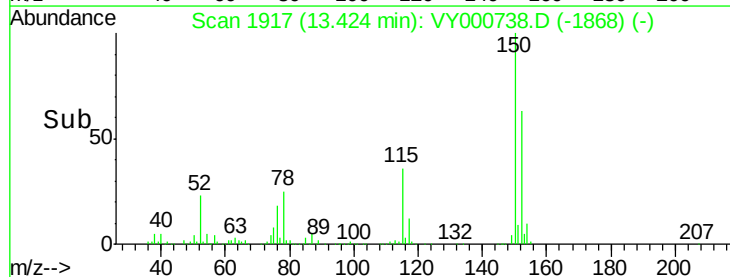
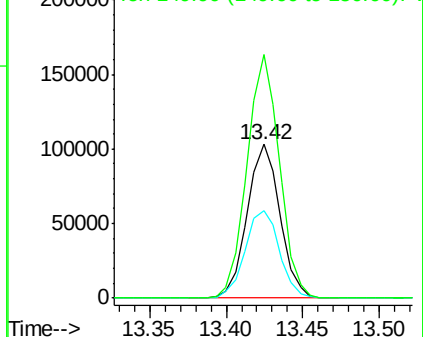


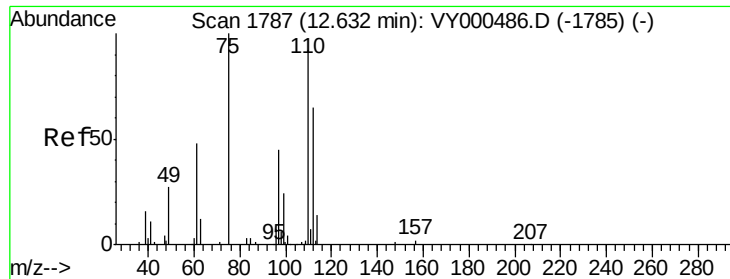
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000738.D
Acq: 19 Nov 2019 12:02

Tgt Ion:152 Resp: 153848
Ion Ratio Lower Upper
152 100
115 59.5 29.1 87.4
150 156.0 0.0 348.8



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: 43.838 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000738.D

Acq: 19 Nov 2019 12:02

Instrument :

MSVOA_Y

ClientSampleId :

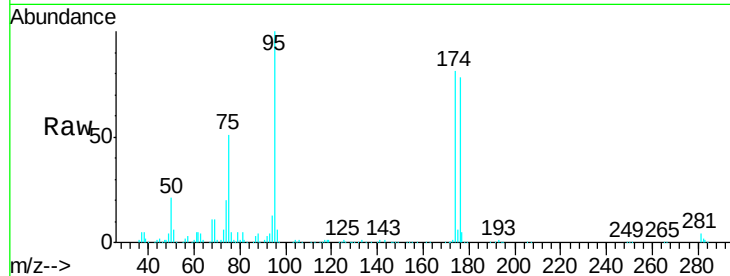
VY1119SBL01

Tgt Ion: 75 Resp: 76794

Ion Ratio Lower Upper

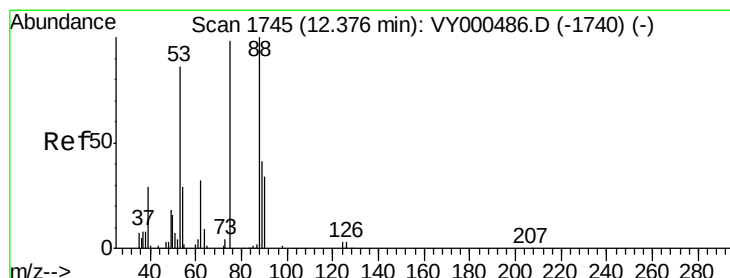
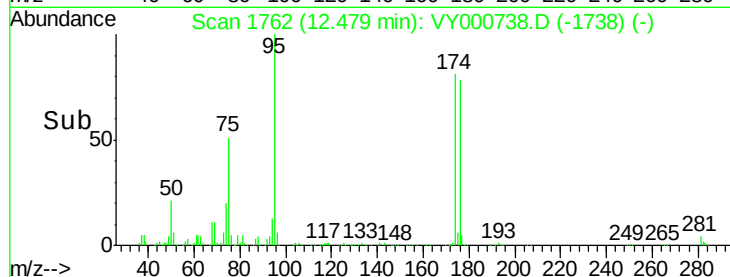
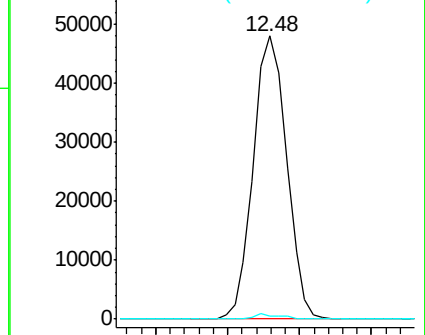
75 100

77 1.5 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: 98.291 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000738.D

Acq: 19 Nov 2019 12:02

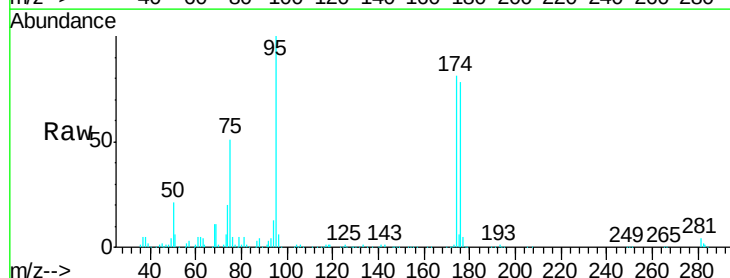
Tgt Ion: 75 Resp: 76794

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.2 35.9 53.9#



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

