

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111519\
 Data File : VY000706.D
 Acq On : 15 Nov 2019 17:05
 Operator : SY/MD
 Sample : K5861-17
 Misc : 4.57G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 16 02:32:50 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	190984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	350426	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	327040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	156258	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	118578	60.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.00%	
35) Dibromofluoromethane	7.72	113	106022	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
50) Toluene-d8	10.18	98	410684	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
62) 4-Bromofluorobenzene	12.48	95	147191	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	

Target Compounds

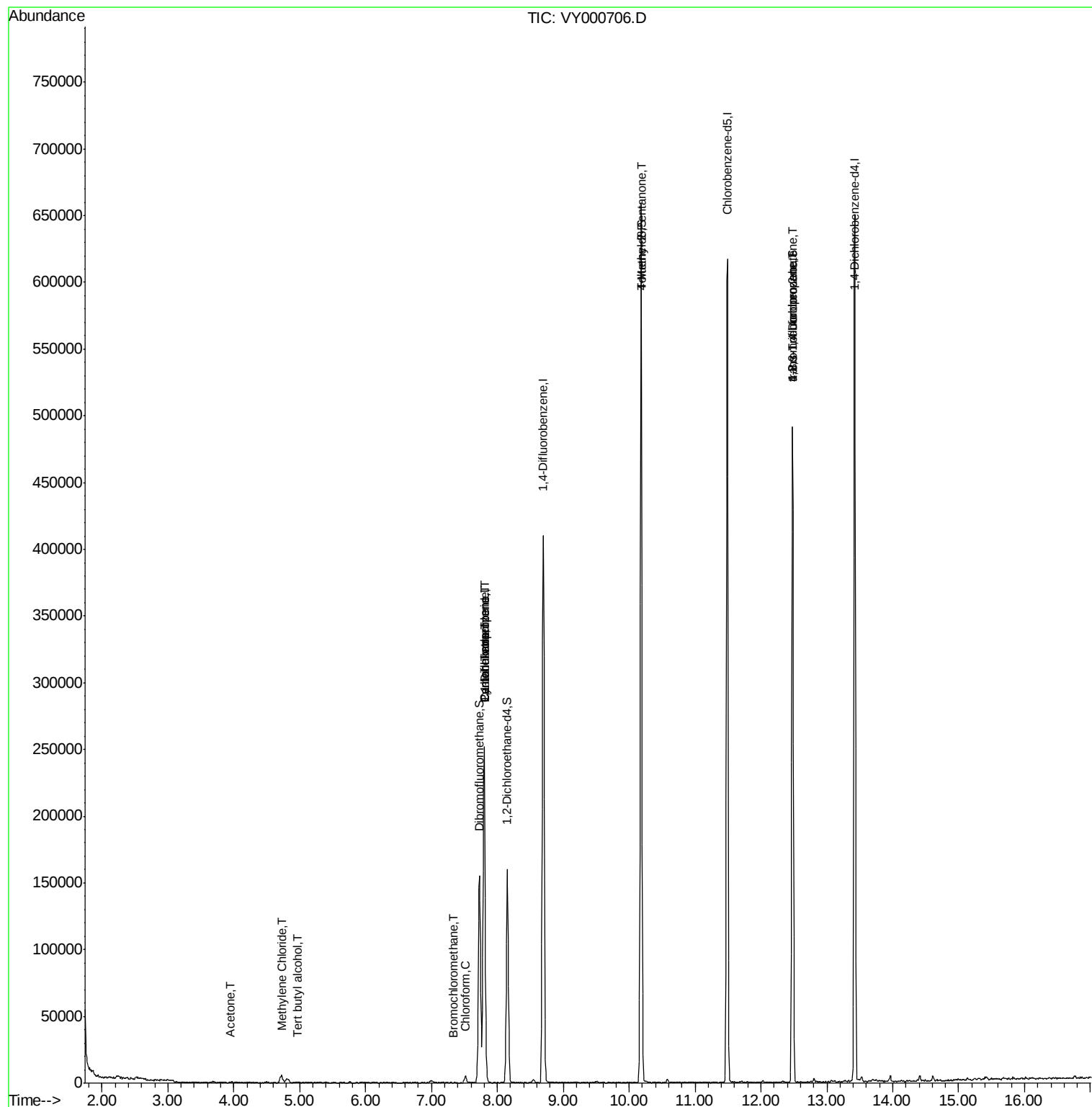
						Qvalue
11) Tert butyl alcohol	4.97	59	732	3.805	ug/l #	72
16) Acetone	3.94	43	645	1.184	ug/l #	42
20) Methylene Chloride	4.72	84	4029	1.726	ug/l #	88
28) Bromochloromethane	7.34	49	42	4.116	ug/l #	14
30) Chloroform	7.52	83	4222	1.143	ug/l #	83
31) Cyclohexane	7.80	56	4852	1.268	ug/l #	47
36) 1,1-Dichloropropene	7.80	75	14476	4.370	ug/l #	52
38) Carbon Tetrachloride	7.80	117	19819	6.217	ug/l #	14
51) 4-Methyl-2-Pentanone	10.19	43	2054	1.046	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	78857	44.321	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	78857	99.374	ug/l #	13

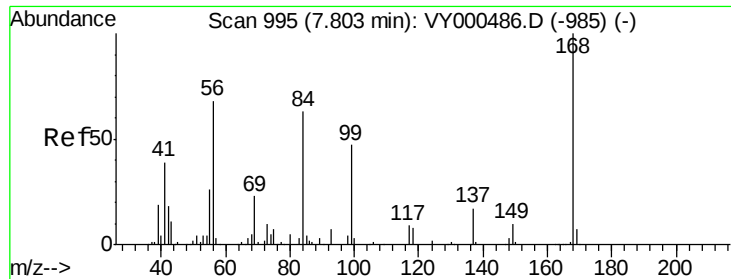
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 16 02:32:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000706.D

Acq: 15 Nov 2019 17:05

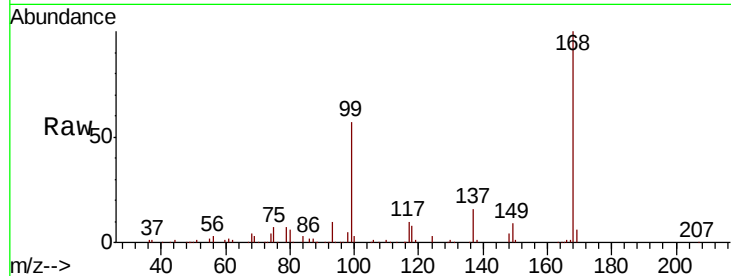
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 190984

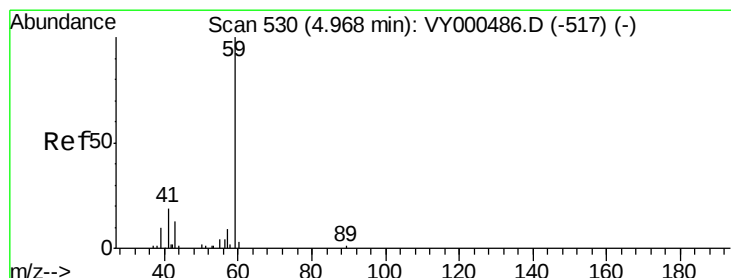
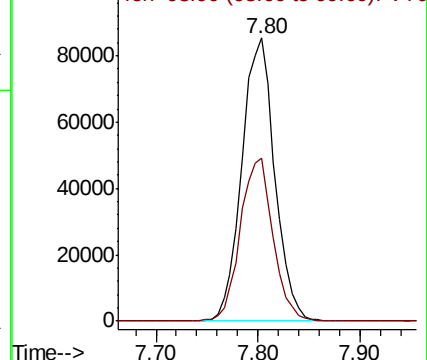
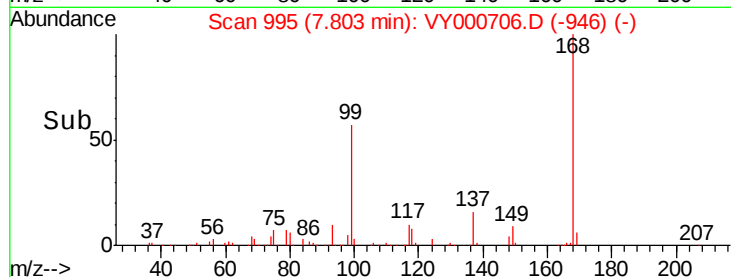
Ion Ratio Lower Upper

168 100

99 57.4 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000706.D (-946) (-)



#11

Tert butyl alcohol

Concen: 3.805 ug/l

RT: 4.97 min Scan# 531

Delta R.T. 0.01 min

Lab File: VY000706.D

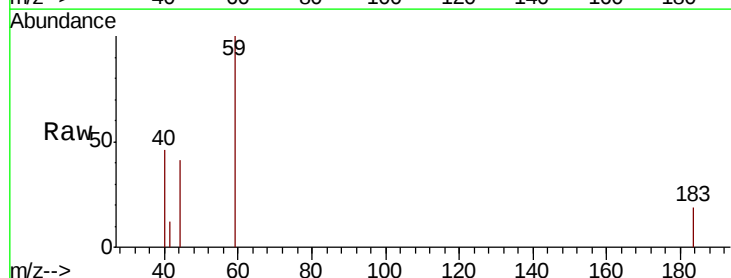
Acq: 15 Nov 2019 17:05

Tgt Ion: 59 Resp: 732

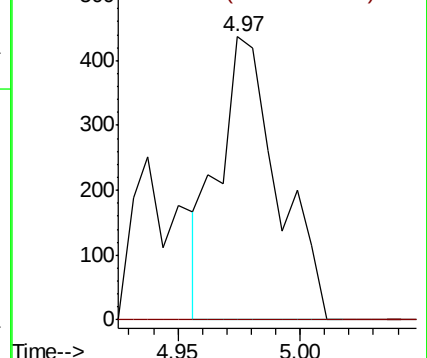
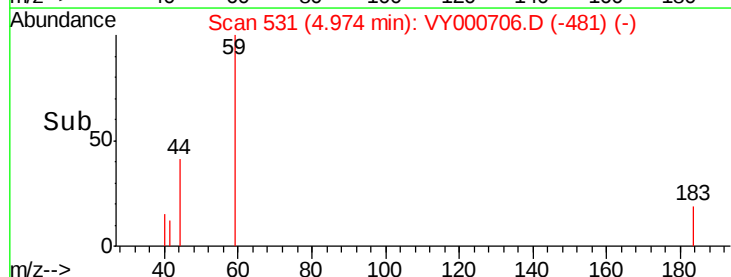
Ion Ratio Lower Upper

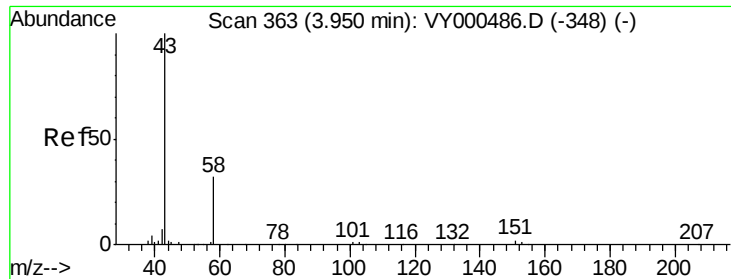
59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VY000706.D (-481) (-)





#16

Acetone

Concen: 1.184 ug/l

RT: 3.94 min Scan# 362

Delta R.T. -0.01 min

Lab File: VY000706.D

Acq: 15 Nov 2019 17:05

Instrument :

MSVOA_Y

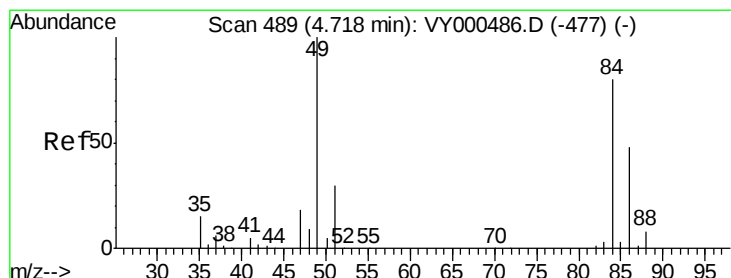
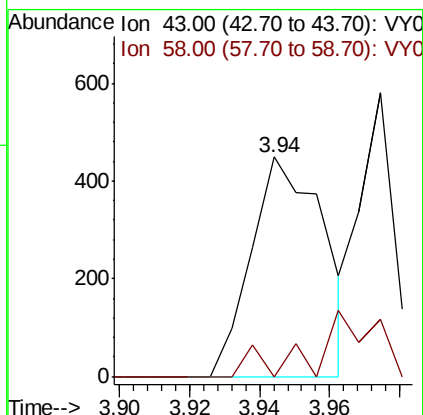
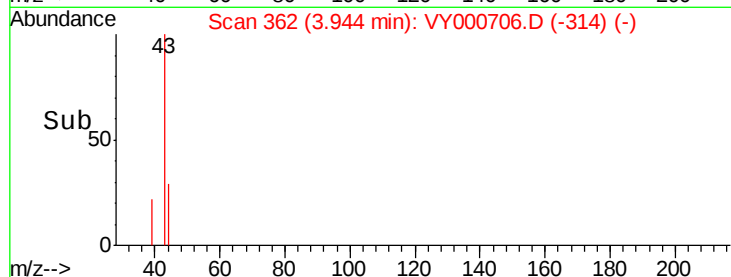
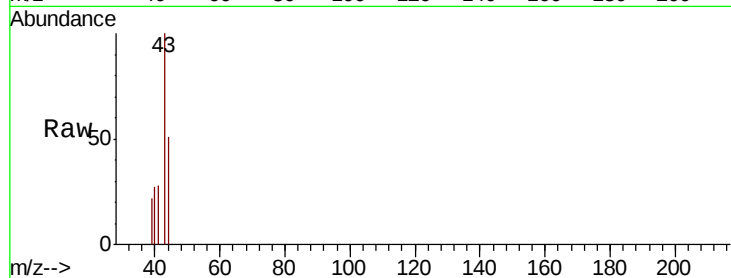
ClientSampleId :

Tot Ion: 43 Resp: 645

Ion Ratio Lower Upper

43 100

58 0.0 25.8 38.6#



#20

Methylene Chloride

Concen: 1.726 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY000706.D

Acq: 15 Nov 2019 17:05

Tgt Ion: 84 Resp: 4029

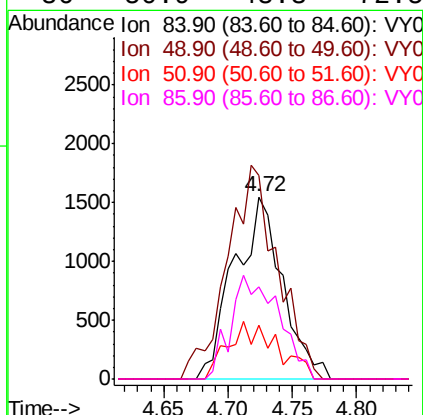
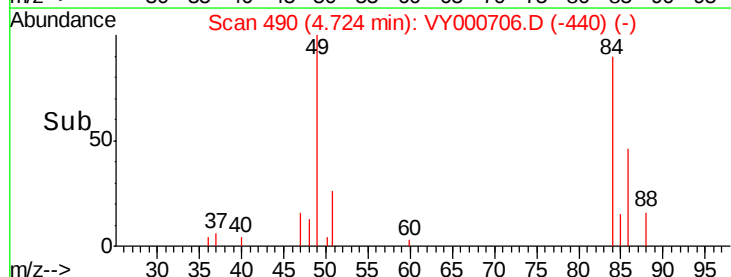
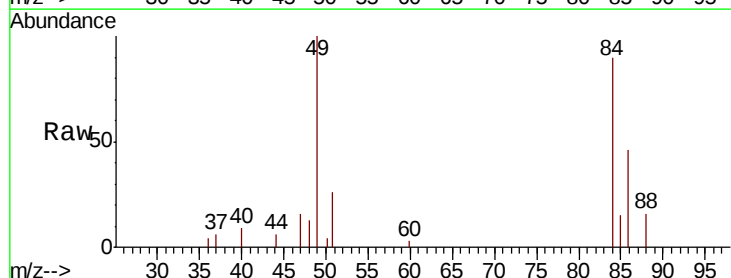
Ion Ratio Lower Upper

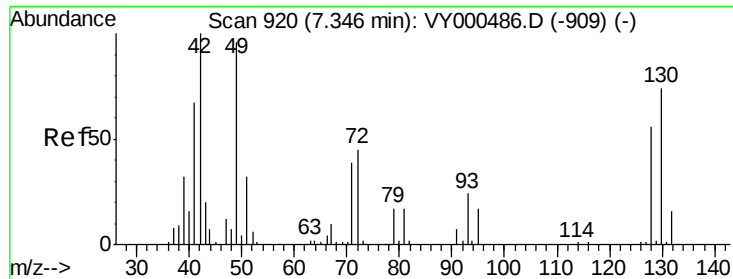
84 100

49 111.6 100.2 150.4

51 29.5 29.6 44.4#

86 50.9 48.3 72.5





#28

Bromochloromethane

Concen: 4.116 ug/l

RT: 7.34 min Scan# 919

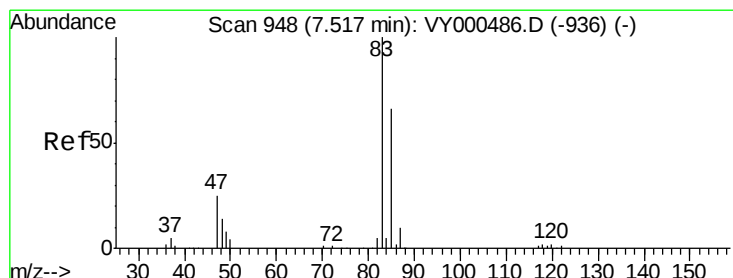
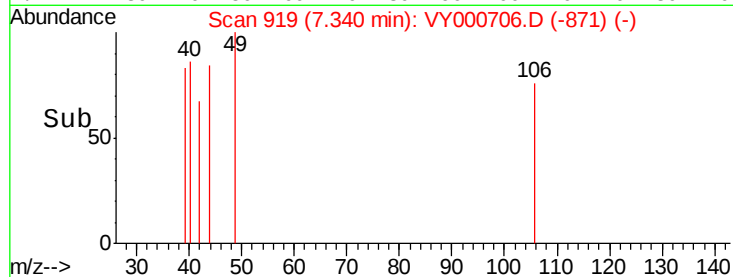
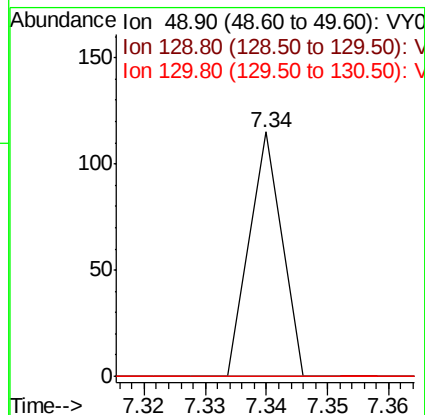
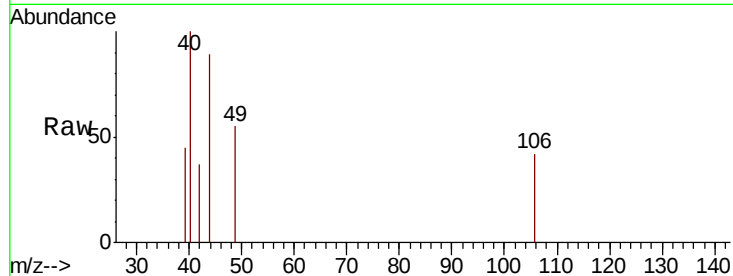
Delta R.T. -0.01 min

Lab File: VY000706.D

Acq: 15 Nov 2019 17:05

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 49 Resp: 42
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#



#30

Chloroform

Concen: 1.143 ug/l

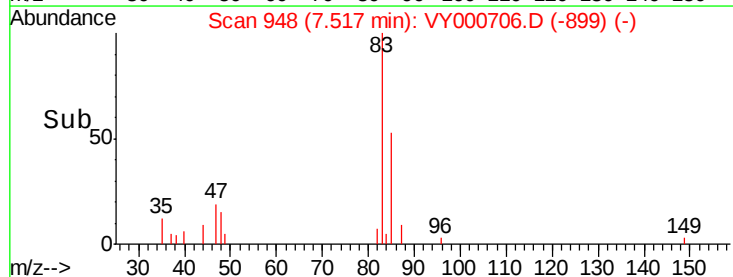
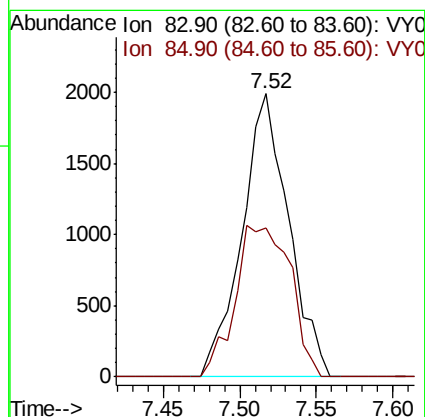
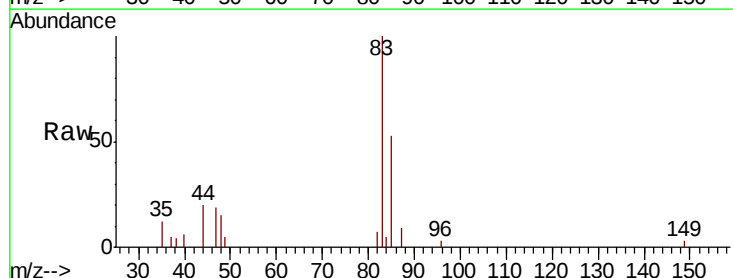
RT: 7.52 min Scan# 948

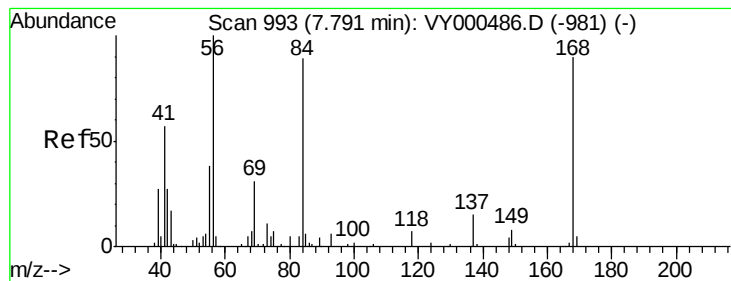
Delta R.T. -0.00 min

Lab File: VY000706.D

Acq: 15 Nov 2019 17:05

Tgt Ion: 83 Resp: 4222
Ion Ratio Lower Upper
83 100
85 52.5 53.0 79.4#





#31

Cyclohexane

Concen: 1.268 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000706.D

Acq: 15 Nov 2019 17:05

Instrument :
MSVOA_Y
ClientSampled :

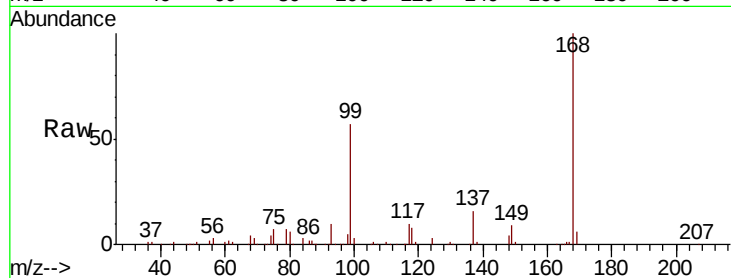
Tot Ion: 56 Resp: 4852

Ion Ratio Lower Upper

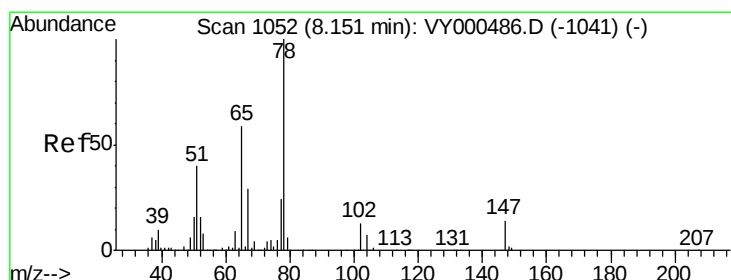
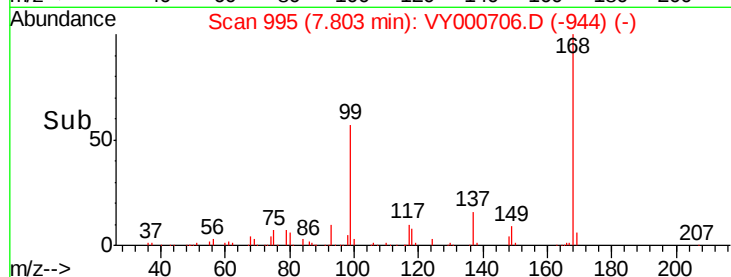
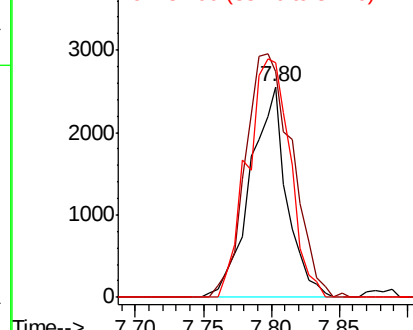
56 100

69 107.3 25.0 37.6#

84 111.5 71.4 107.2#



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: 59.996 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000706.D

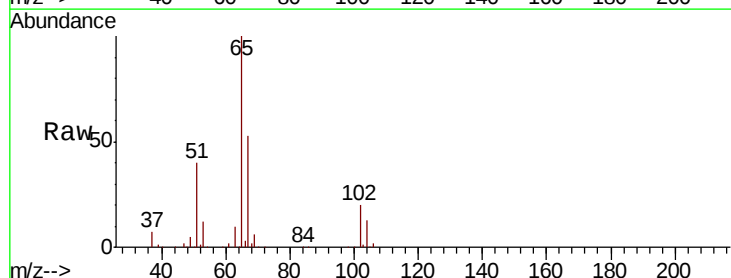
Acq: 15 Nov 2019 17:05

Tgt Ion: 65 Resp: 118578

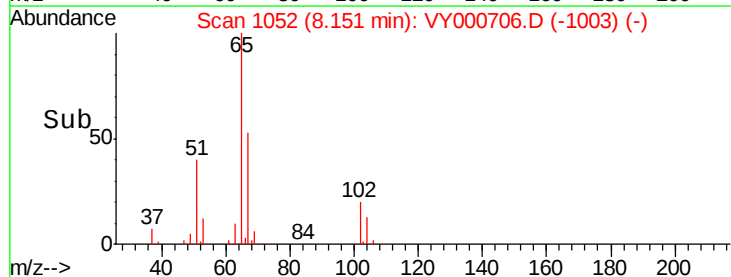
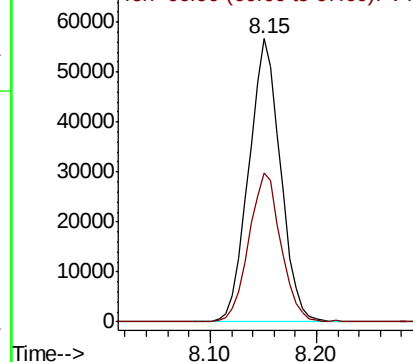
Ion Ratio Lower Upper

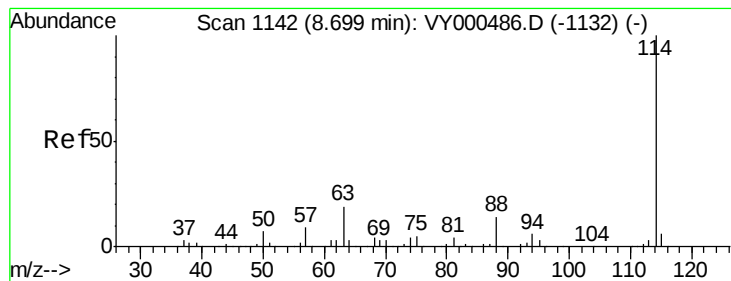
65 100

67 53.3 0.0 107.2



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: VY000706.D

Acq: 15 Nov 2019 17:05

Instrument :

MSVOA_Y

ClientSampleId :

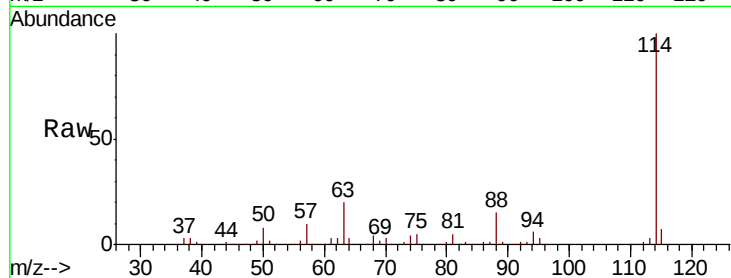
Tot Ion:114 Resp: 350426

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.0

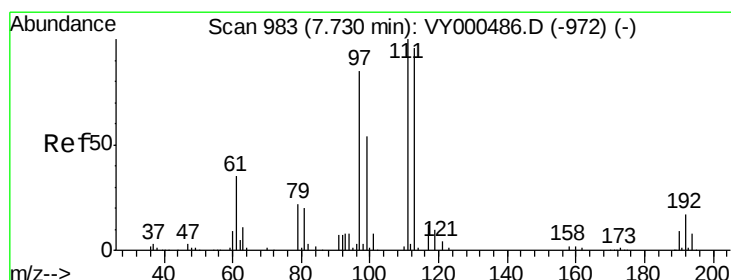
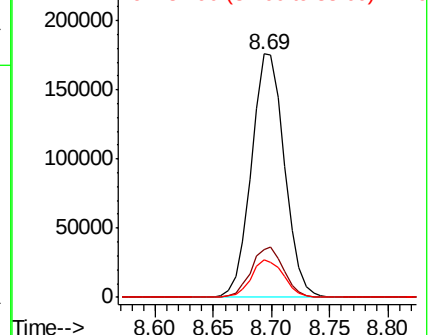
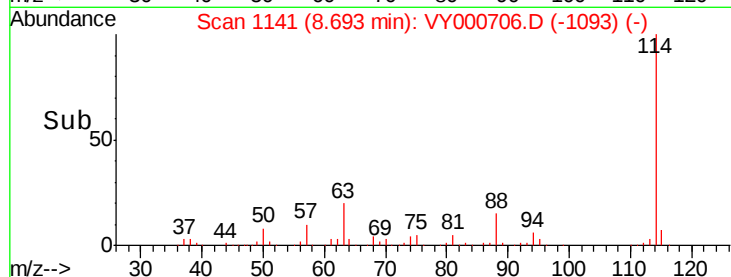
88 15.3 0.0 28.6



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: 51.536 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000706.D

Acq: 15 Nov 2019 17:05

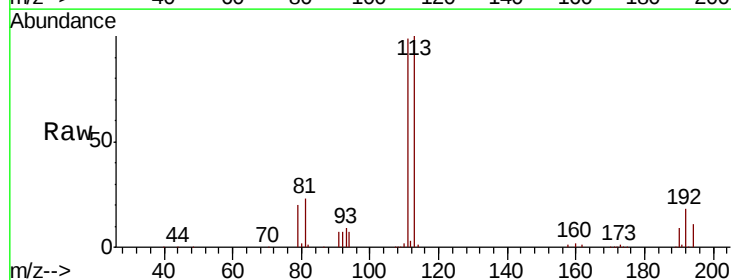
Tgt Ion:113 Resp: 106022

Ion Ratio Lower Upper

113 100

111 102.5 81.7 122.5

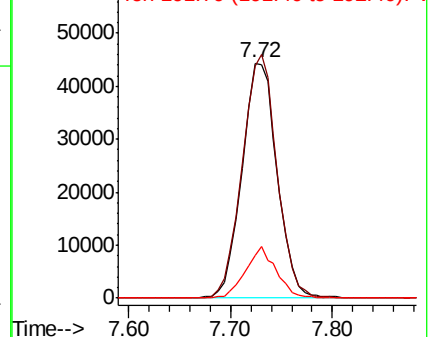
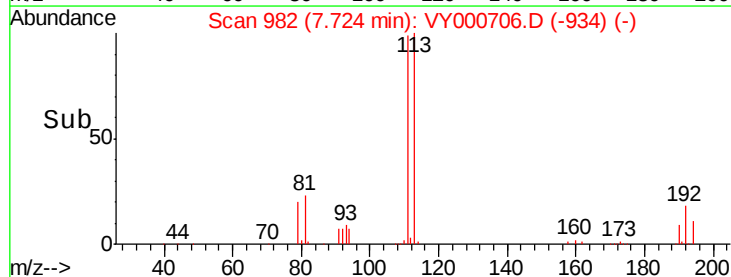
192 19.1 15.0 22.4

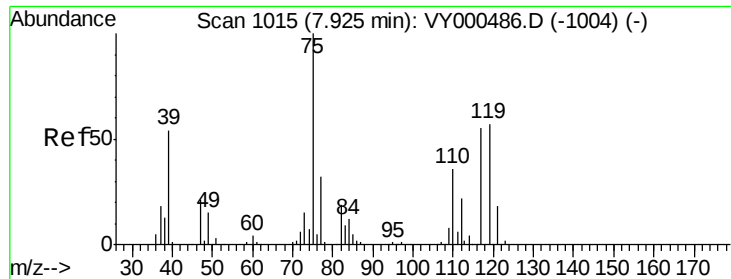


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

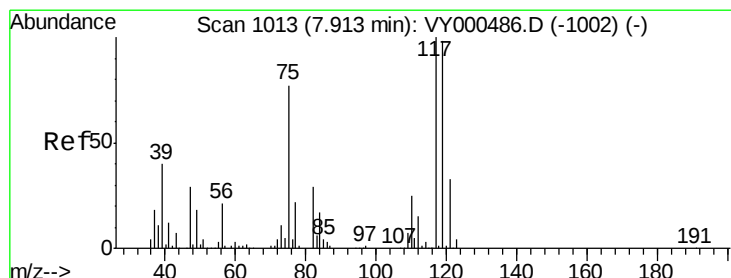
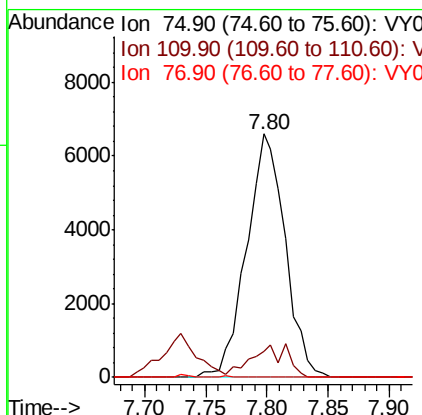
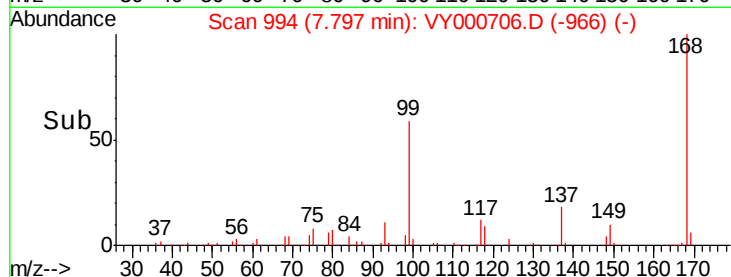
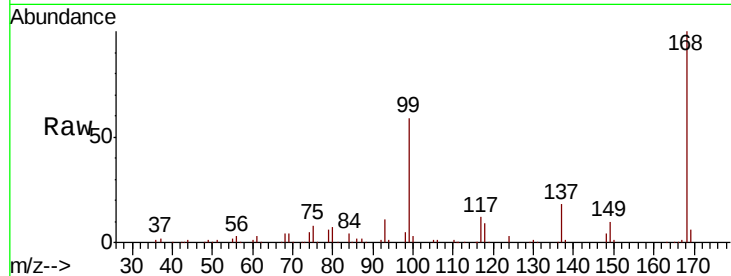




#36
 1,1-Dichloropropene
 Concen: 4.370 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000706.D
 Acq: 15 Nov 2019 17:05

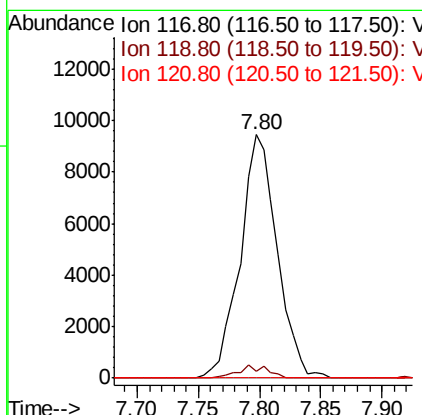
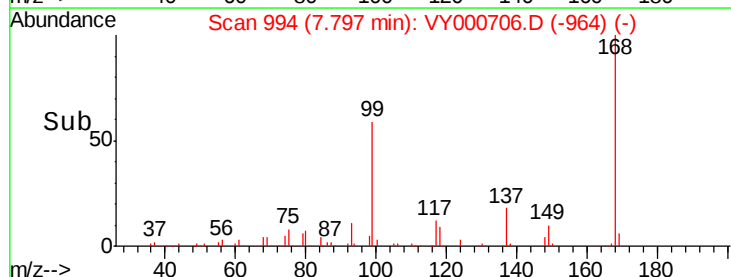
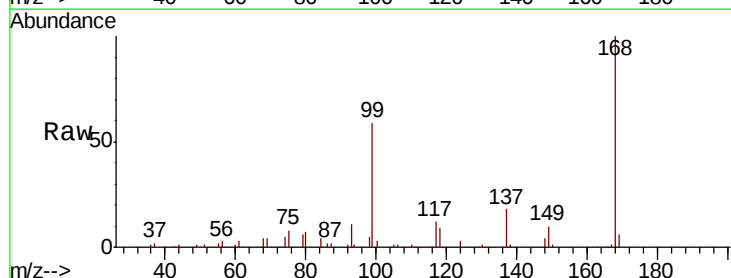
Instrument :
 MSVOA_Y
 ClientSampled :

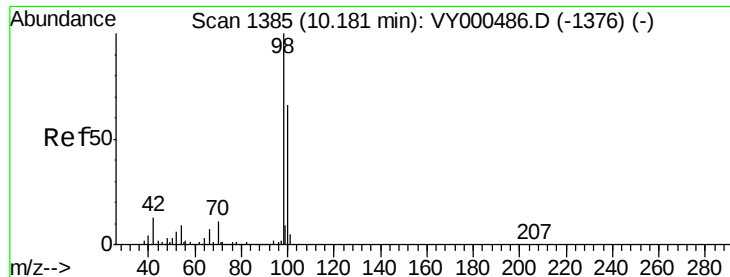
Tot Ion: 75 Resp: 14476
 Ion Ratio Lower Upper
 75 100
 110 12.4 18.1 54.1#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 6.217 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000706.D
 Acq: 15 Nov 2019 17:05

Tgt Ion: 117 Resp: 19819
 Ion Ratio Lower Upper
 117 100
 119 3.0 78.0 117.0#
 121 0.0 26.6 40.0#





#50

Toluene-d8

Concen: 52.611 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000706.D

Acq: 15 Nov 2019 17:05

Instrument :

MSVOA_Y

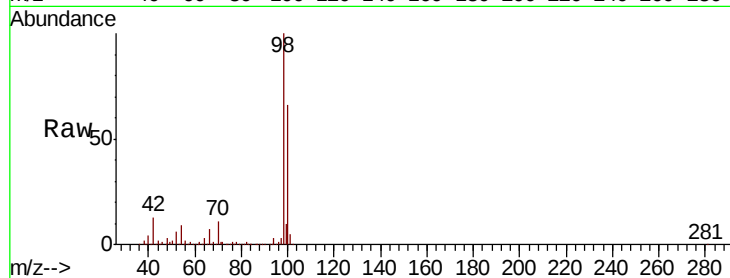
ClientSampled :

Tot Ion: 98 Resp: 410684

Ion Ratio Lower Upper

98 100

100 66.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

250000

200000

150000

100000

50000

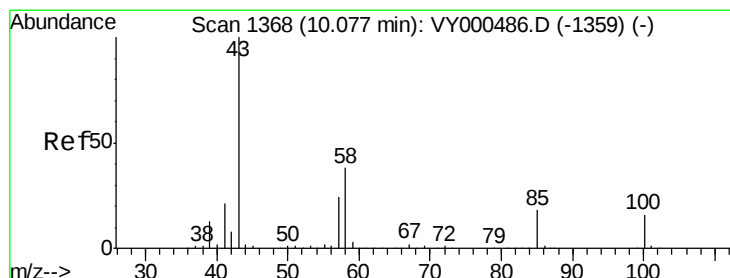
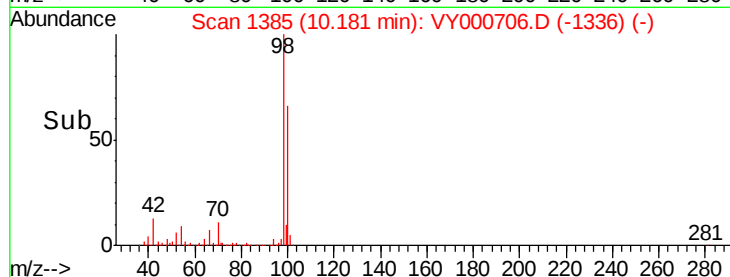
0

10.10

10.20

10.30

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.046 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.11 min

Lab File: VY000706.D

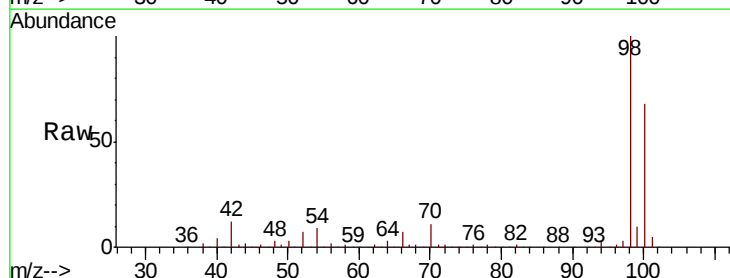
Acq: 15 Nov 2019 17:05

Tgt Ion: 43 Resp: 2054

Ion Ratio Lower Upper

43 100

58 169.7 30.2 45.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

2000

1500

1000

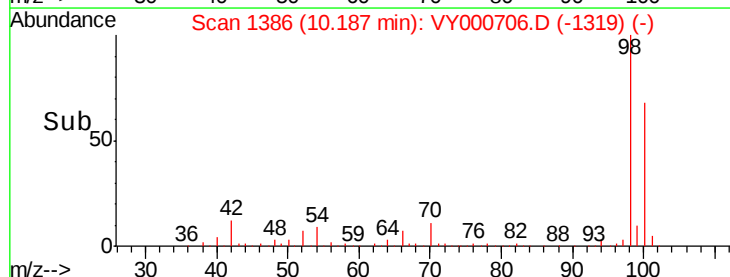
500

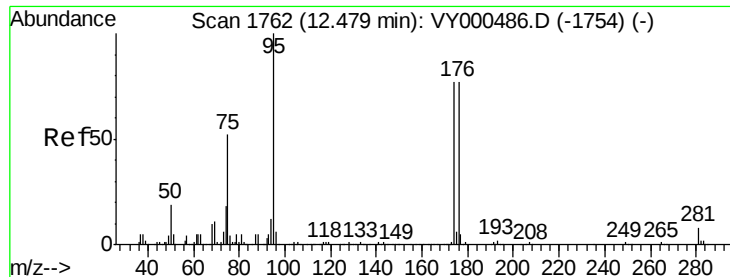
0

10.15

10.20

Time-->





#62

4-Bromofluorobenzene

Concen: 49.530 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000706.D

Acq: 15 Nov 2019 17:05

Instrument :

MSVOA_Y

ClientSampleId :

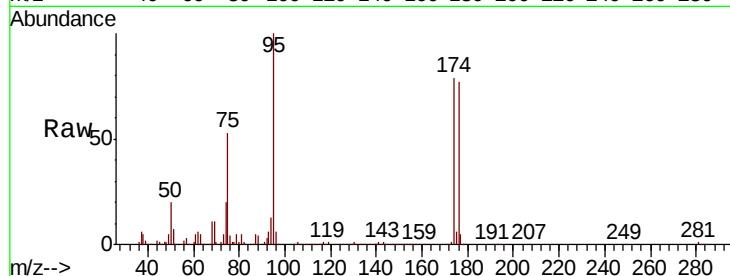
Tot Ion: 95 Resp: 147191

Ion Ratio Lower Upper

95 100

174 80.5 0.0 161.6

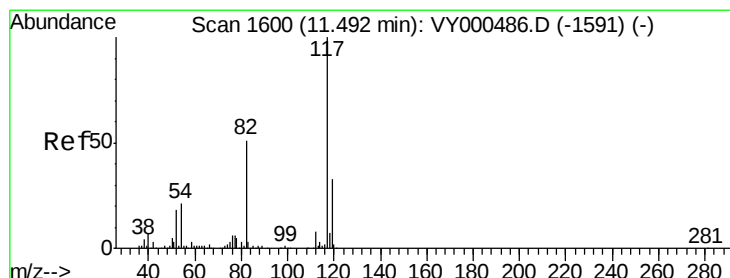
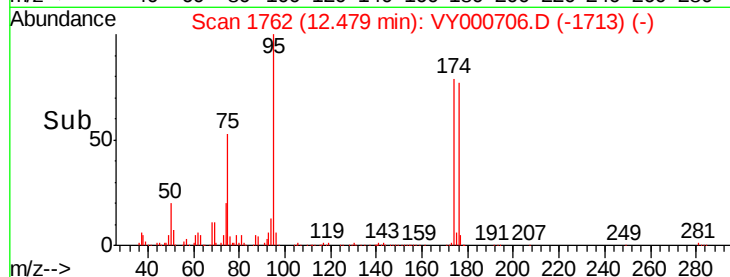
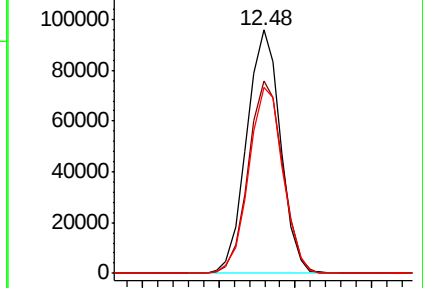
176 77.7 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VY000486.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY000486.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY000486.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY000706.D

Acq: 15 Nov 2019 17:05

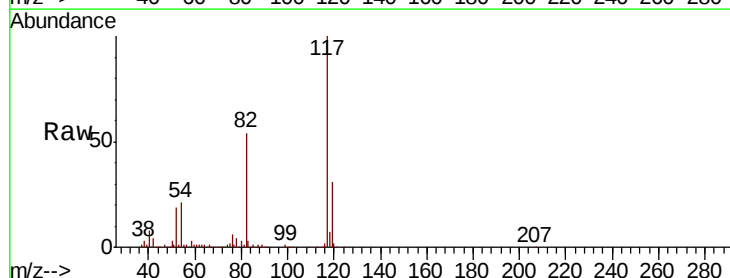
Tgt Ion: 117 Resp: 327040

Ion Ratio Lower Upper

117 100

82 53.6 40.8 61.2

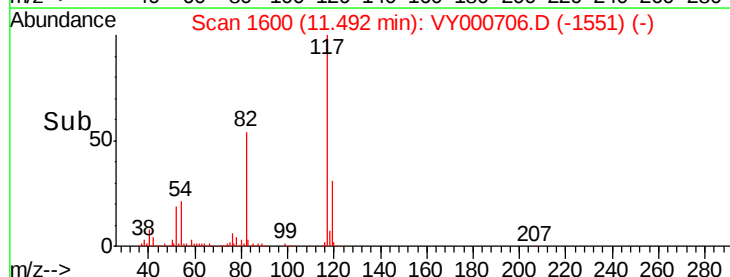
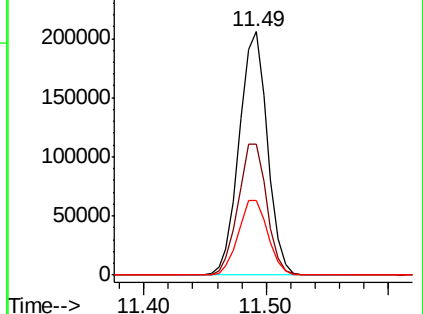
119 30.6 26.2 39.2

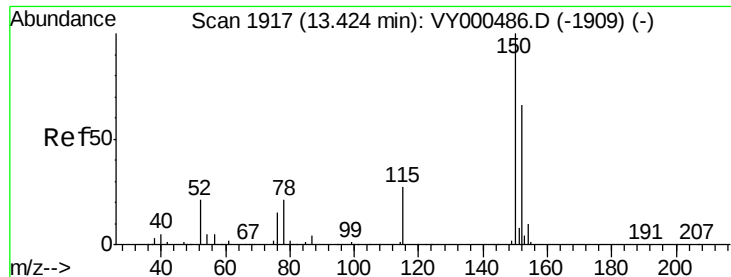


Abundance Ion 116.90 (116.60 to 117.60): VY000486.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY000486.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY000486.D (-1591) (-)



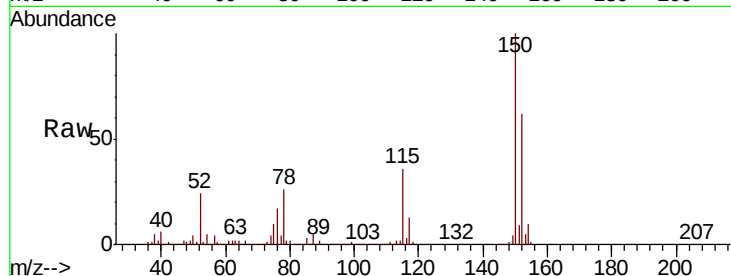


#72

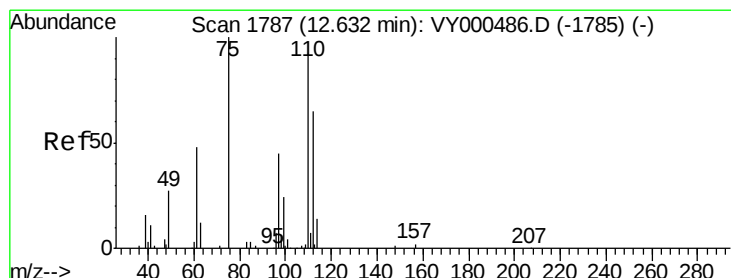
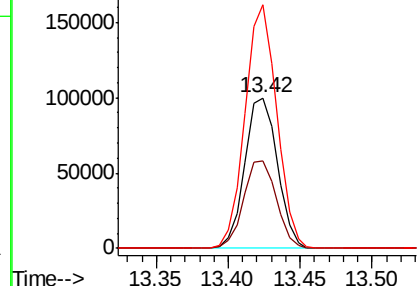
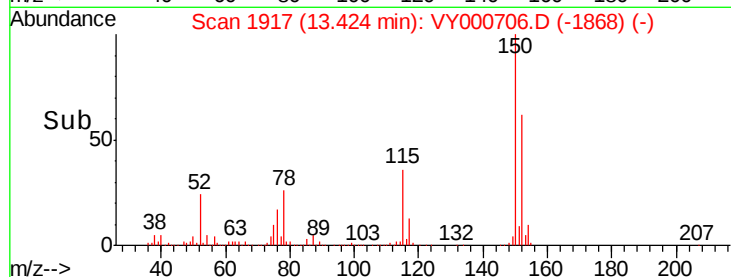
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000706.D
Acq: 15 Nov 2019 17:05

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.1	87.4
150	157.8	0.0	348.8



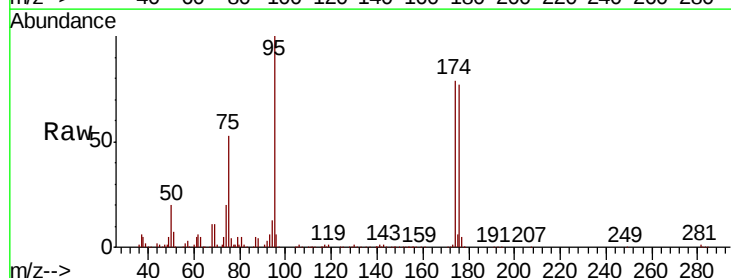
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



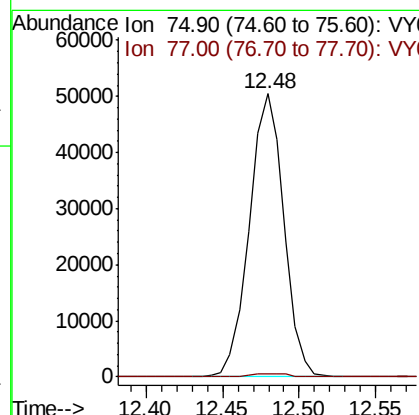
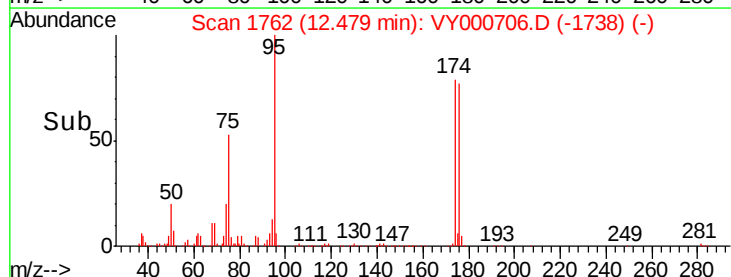
#76

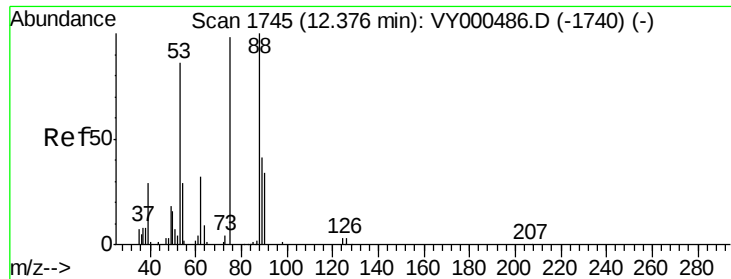
1,2,3-Trichloropropane
Concen: 44.321 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000706.D
Acq: 15 Nov 2019 17:05

Tgt 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: 99.374 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000706.D

Acq: 15 Nov 2019 17:05

Instrument :

MSVOA_Y

ClientSampleId :

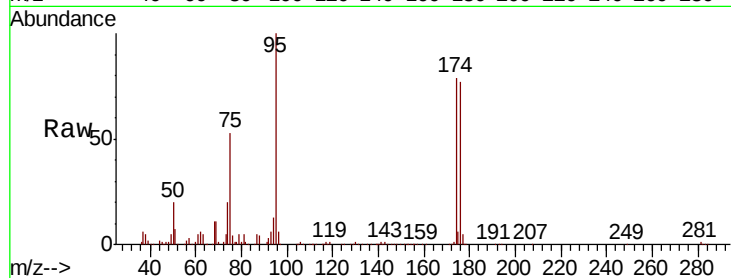
Tot Ion: 75 Resp: 78857

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.1 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

