

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112119\
 Data File : VY000768.D
 Acq On : 21 Nov 2019 15:20
 Operator : SY/MD
 Sample : K5957-05RE
 Misc : 5.31G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 22 03:14:11 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	336632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	610159	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	525592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	232683	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	170756	49.02	ug/l	0.00
Spiked Amount						
						Recovery = 98.04%
35) Dibromofluoromethane	7.73	113	172392	48.13	ug/l	0.00
Spiked Amount						
						Recovery = 96.26%
50) Toluene-d8	10.18	98	705283	51.89	ug/l	0.00
Spiked Amount						
						Recovery = 103.78%
62) 4-Bromofluorobenzene	12.48	95	238891	46.17	ug/l	0.00
Spiked Amount						
						Recovery = 92.34%

Target Compounds

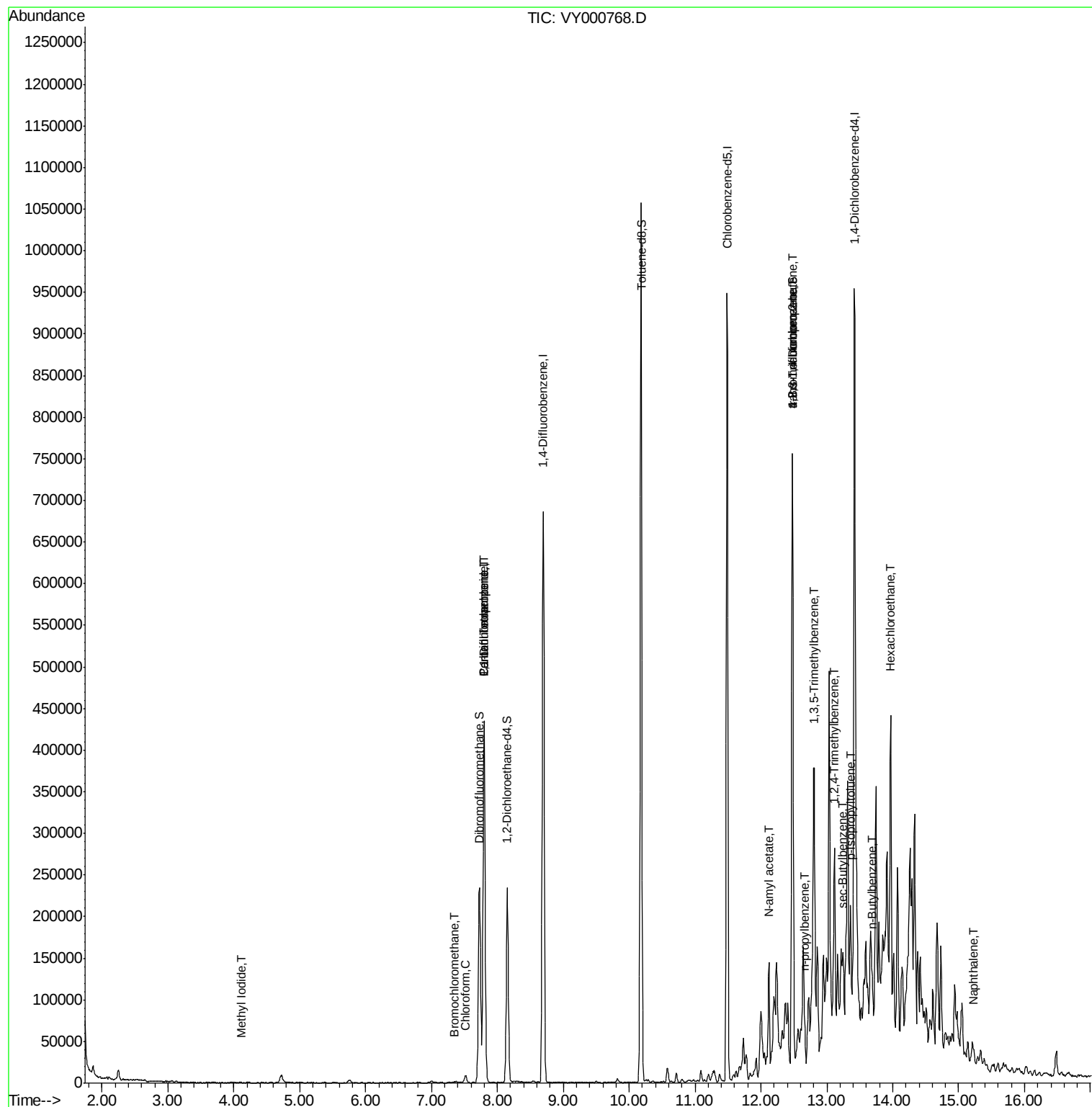
						Qvalue
10) Methyl Iodide	4.11	142	364	3.274	ug/l #	60
28) Bromochloromethane	7.35	49	58	4.111	ug/l #	82
30) Chloroform	7.51	83	8050	1.236	ug/l	84
36) 1,1-Dichloropropene	7.80	75	25904	4.491	ug/l #	50
38) Carbon Tetrachloride	7.80	117	36197	6.522	ug/l #	14
74) N-amyl acetate	12.12	43	25296	5.136	ug/l #	58
76) 1,2,3-Trichloropropane	12.48	75	113578	42.869	ug/l #	100
78) n-propylbenzene	12.67	91	27262	1.314	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	63015	4.400	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.48	75	113578	96.118	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.11	105	109739	7.695	ug/l	97
85) sec-Butylbenzene	13.25	105	29521	1.694	ug/l #	70
86) p-Isopropyltoluene	13.36	119	17703	1.140	ug/l	98
89) n-Butylbenzene	13.69	91	43787	2.859	ug/l #	73
90) Hexachloroethane	13.97	117	15086	5.255	ug/l #	14
95) Naphthalene	15.23	128	12350	1.179	ug/l #	90

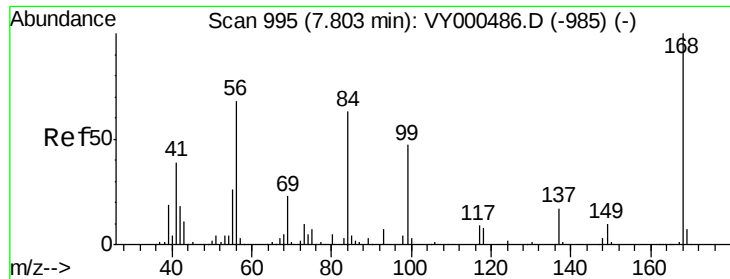
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000768.D

Acq: 21 Nov 2019 15:20

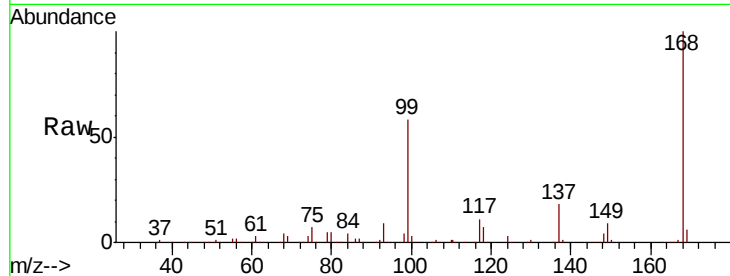
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 336632

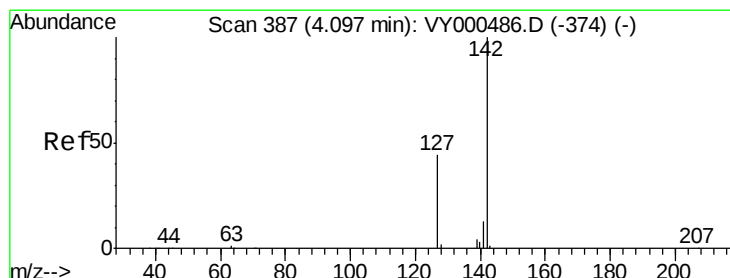
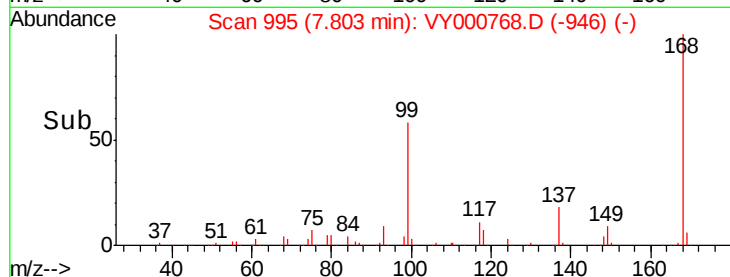
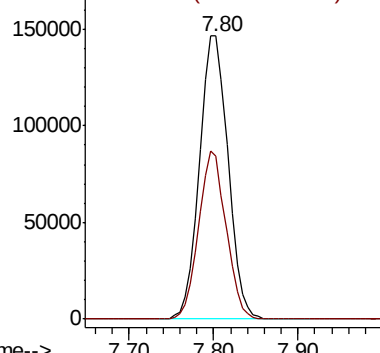
Ion Ratio Lower Upper

168 100

99 57.5 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 3.274 ug/l

RT: 4.11 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY000768.D

Acq: 21 Nov 2019 15:20

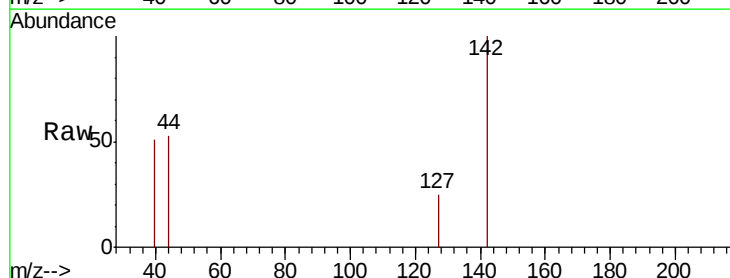
Tgt Ion:142 Resp: 364

Ion Ratio Lower Upper

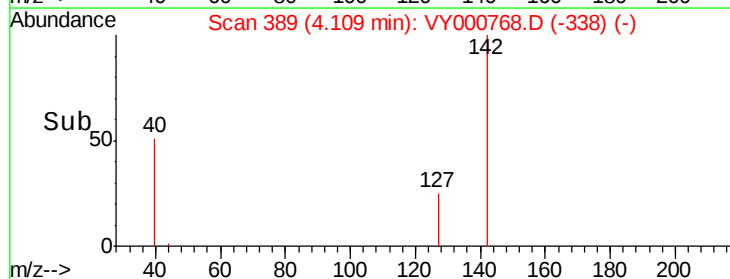
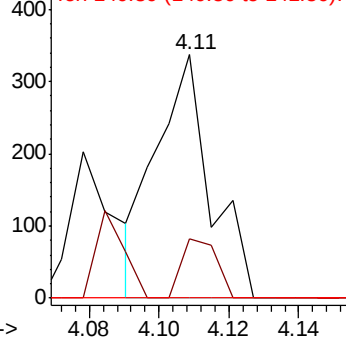
142 100

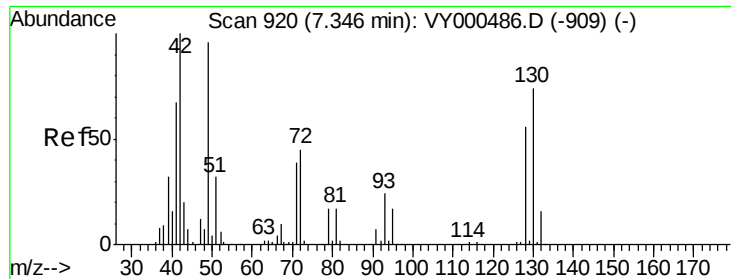
127 15.7 33.7 50.5#

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





#28

Bromochloromethane

Concen: 4.111 ug/l

RT: 7.35 min Scan# 920

Delta R.T. 0.00 min

Lab File: VY000768.D

Acq: 21 Nov 2019 15:20

Instrument :
MSVOA_Y
ClientSampleId :

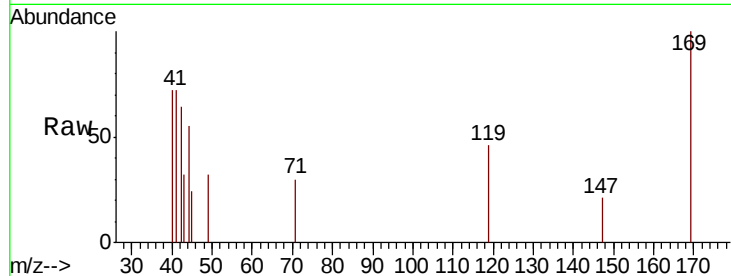
Tot Ion: 49 Resp: 58

Ion Ratio Lower Upper

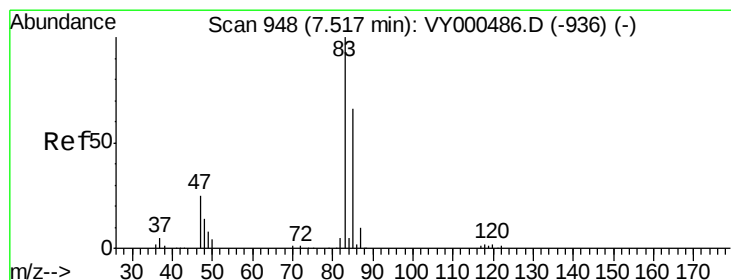
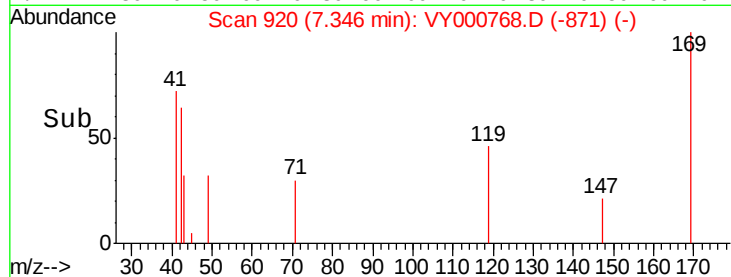
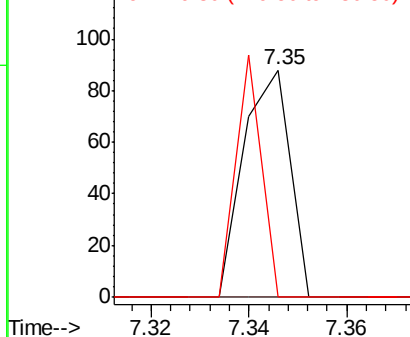
49 100

129 0.0 0.0 3.6

130 58.6 59.4 89.0#



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: 1.236 ug/l

RT: 7.51 min Scan# 947

Delta R.T. -0.01 min

Lab File: VY000768.D

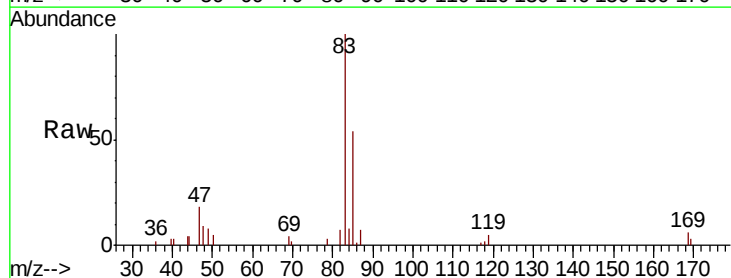
Acq: 21 Nov 2019 15:20

Tgt Ion: 83 Resp: 8050

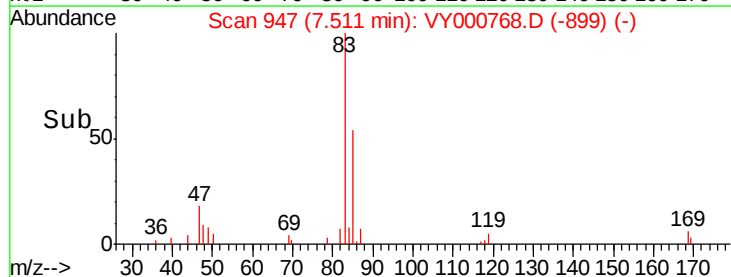
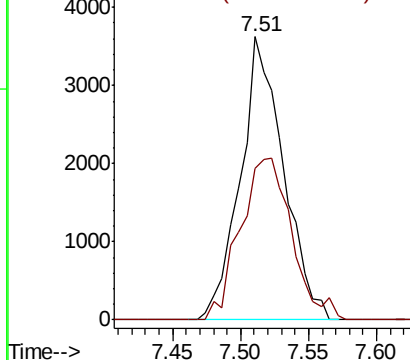
Ion Ratio Lower Upper

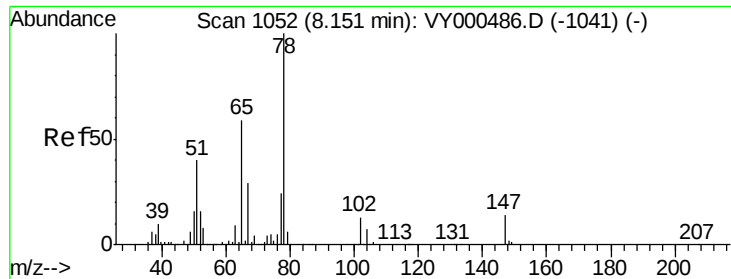
83 100

85 53.5 53.0 79.4



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

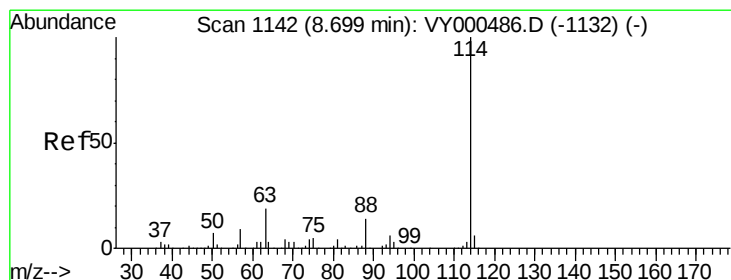
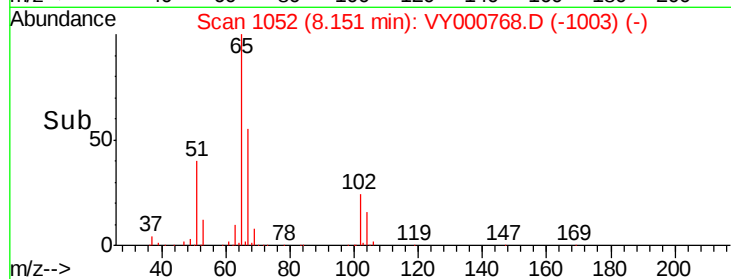
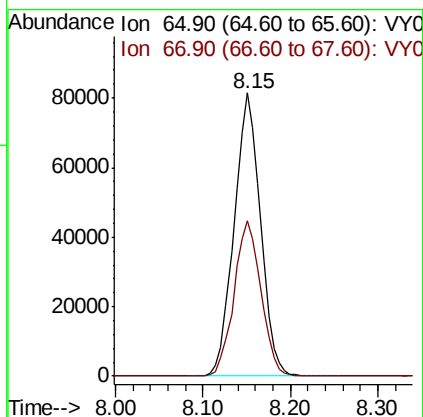
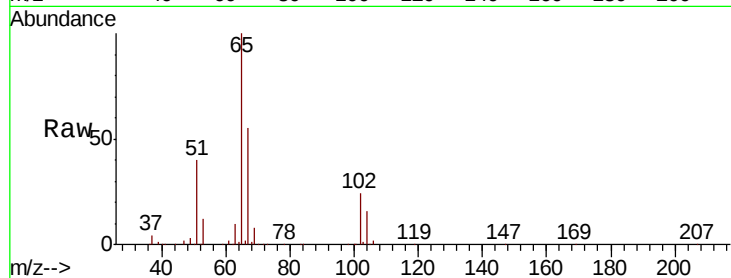




#33
 1,2-Dichloroethane-d4
 Concen: 49.016 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY000768.D
 Acq: 21 Nov 2019 15:20

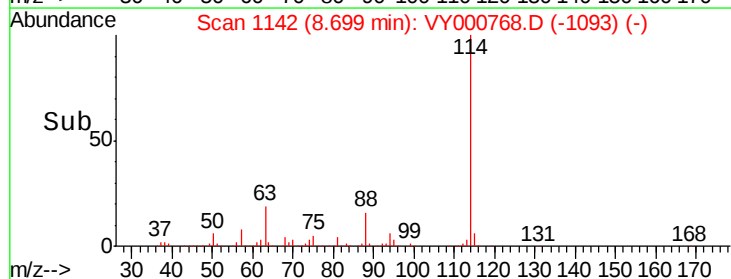
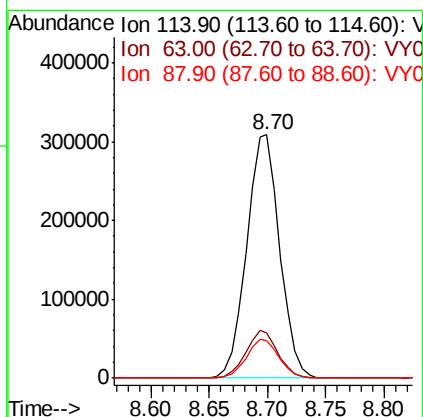
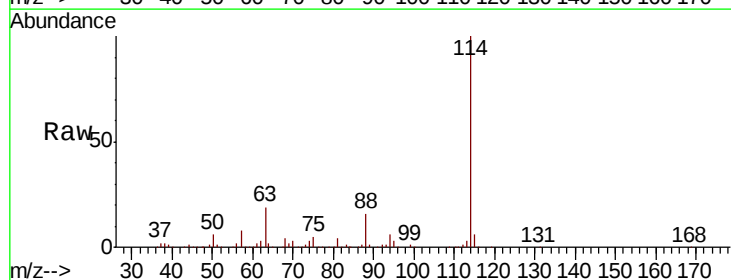
Instrument :
 MSVOA_Y
 ClientSampleId :

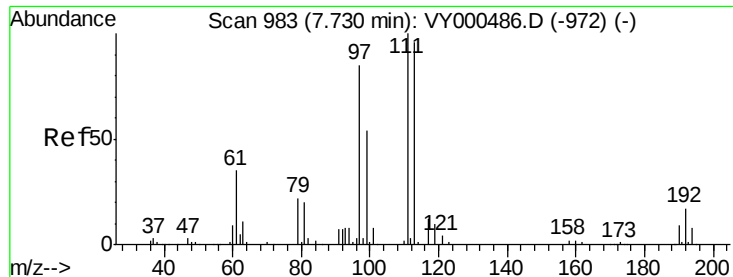
Tot Ion: 65 Resp: 170756
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000768.D
 Acq: 21 Nov 2019 15:20

Tgt Ion: 114 Resp: 610159
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 38.0
 88 15.6 0.0 28.6

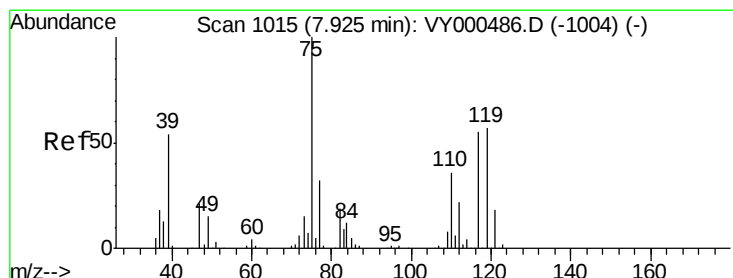
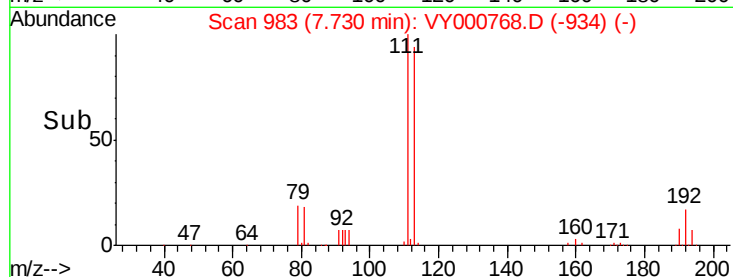
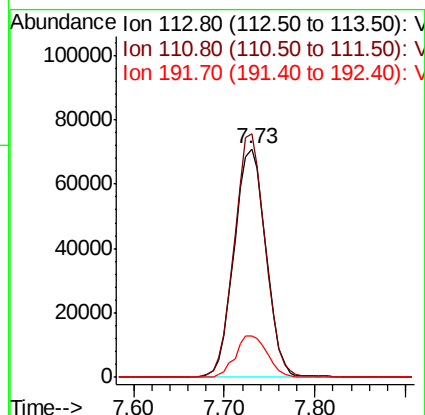
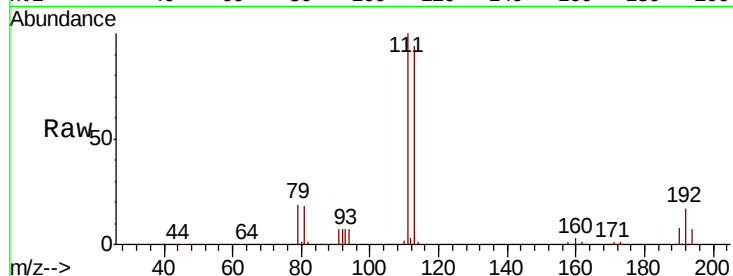




#35
Dibromofluoromethane
Concen: 48.127 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.00 min
Lab File: VY000768.D
Acq: 21 Nov 2019 15:20

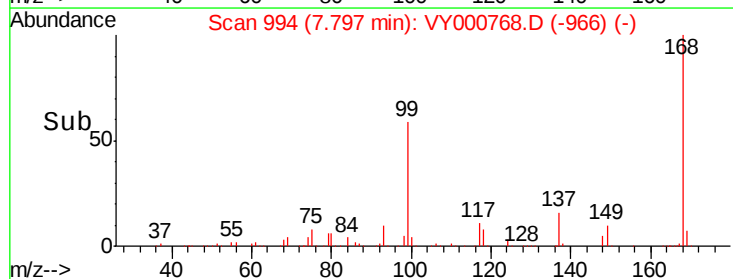
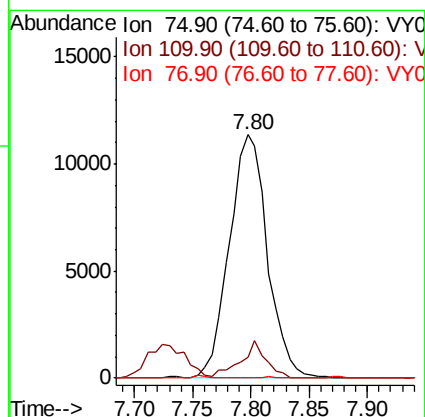
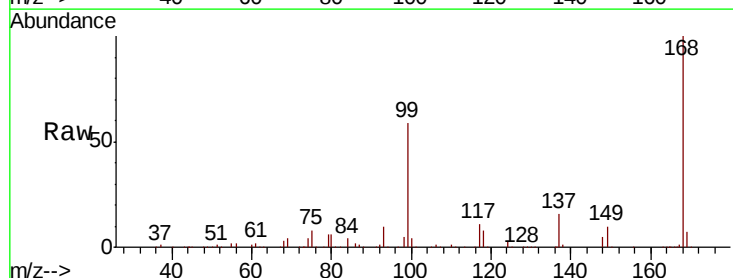
Instrument :
MSVOA_Y
ClientSampleId :

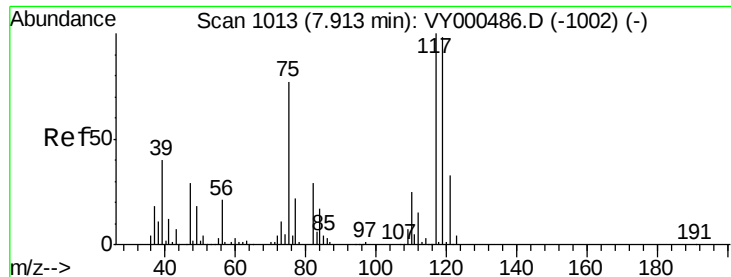
Tot Ion:113 Resp: 172392
Ion Ratio Lower Upper
113 100
111 103.7 81.7 122.5
192 18.5 15.0 22.4



#36
1,1-Dichloropropene
Concen: 4.491 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.13 min
Lab File: VY000768.D
Acq: 21 Nov 2019 15:20

Tgt Ion: 75 Resp: 25904
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.1#
77 0.1 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 6.522 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000768.D

Acq: 21 Nov 2019 15:20

Instrument :
MSVOA_Y
ClientSampleId :

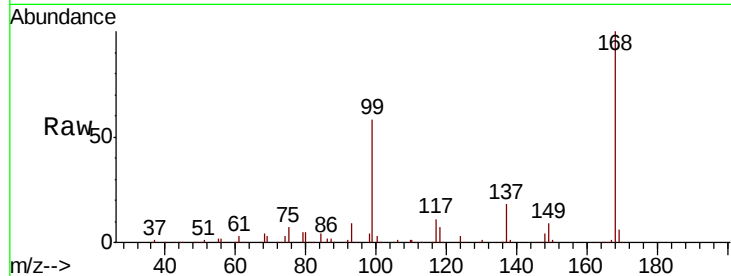
Tot Ion:117 Resp: 36197

Ion Ratio Lower Upper

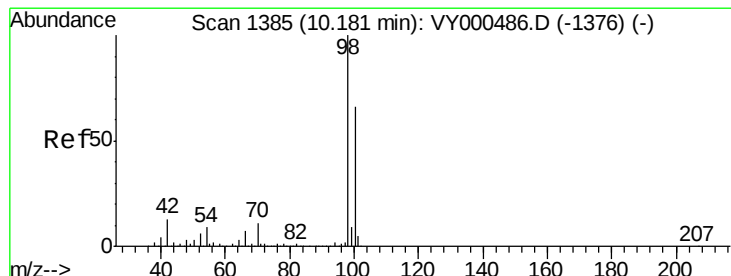
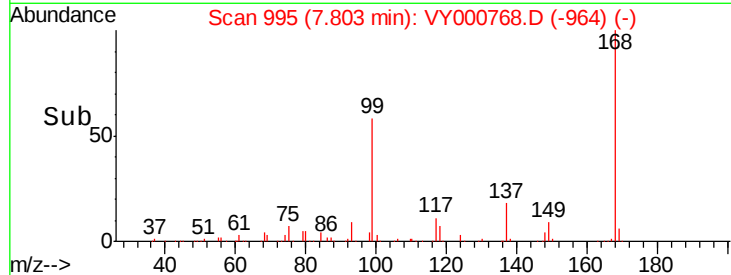
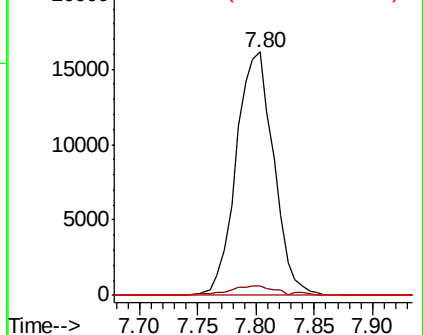
117 100

119 3.9 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



#50

Toluene-d8

Concen: 51.890 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000768.D

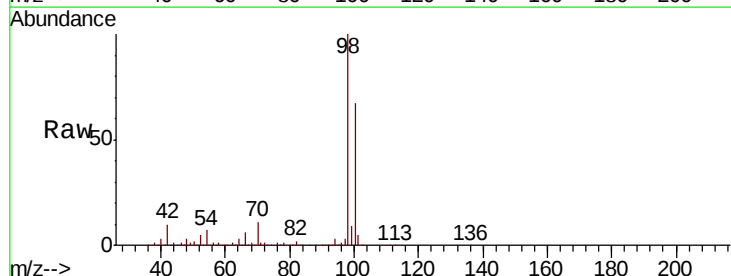
Acq: 21 Nov 2019 15:20

Tgt Ion: 98 Resp: 705283

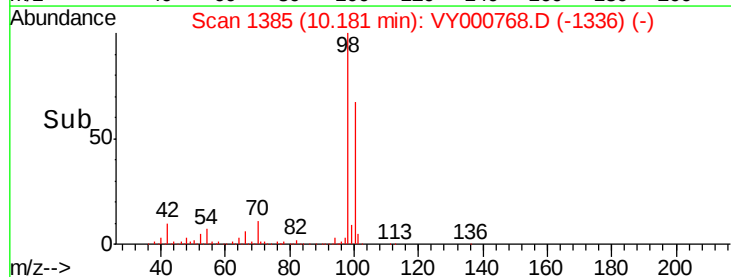
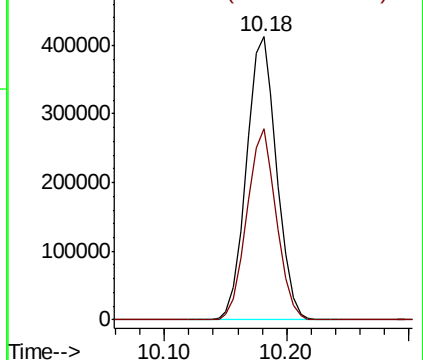
Ion Ratio Lower Upper

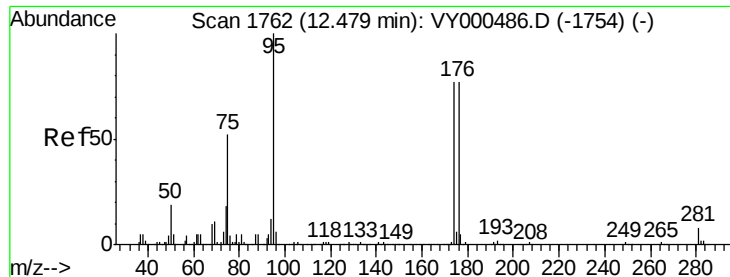
98 100

100 65.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY

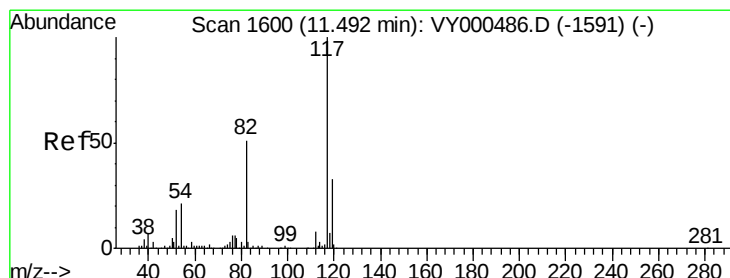
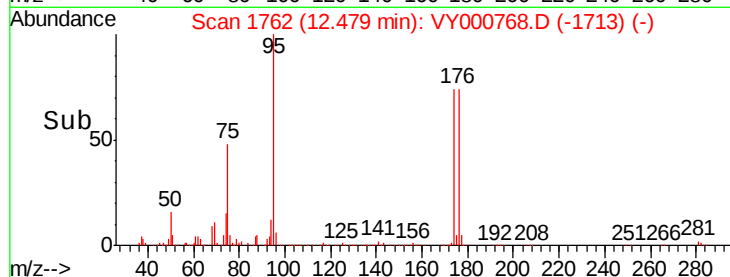
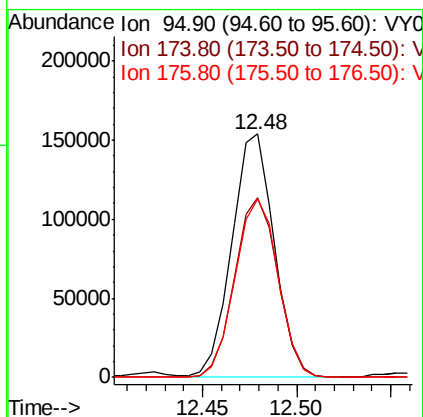
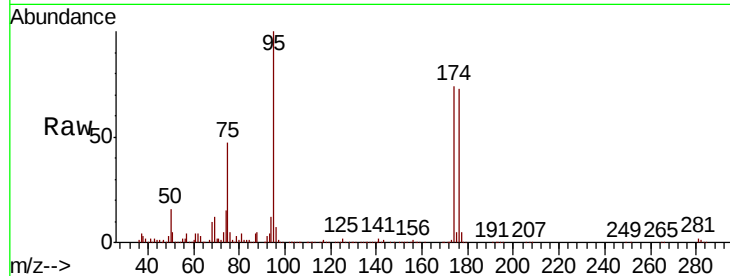




#62
4-Bromofluorobenzene
Concen: 46.168 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000768.D
Acq: 21 Nov 2019 15:20

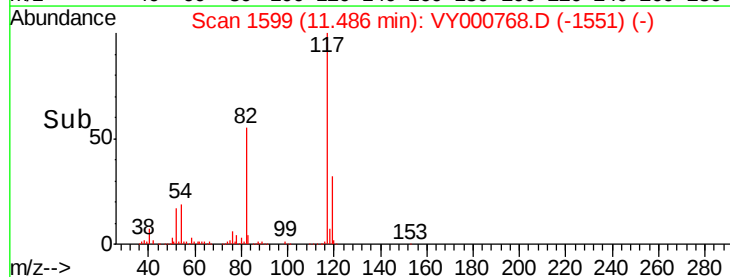
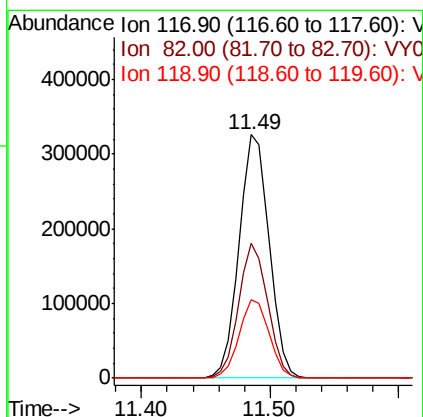
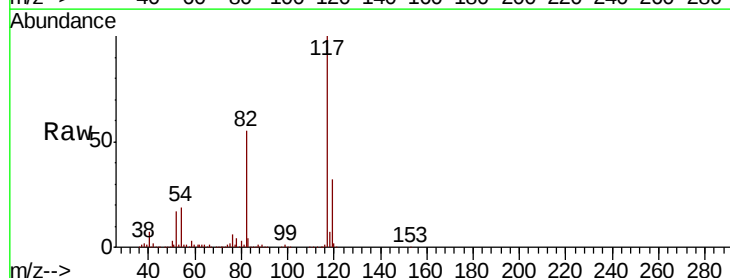
Instrument :
MSVOA_Y
ClientSampled :

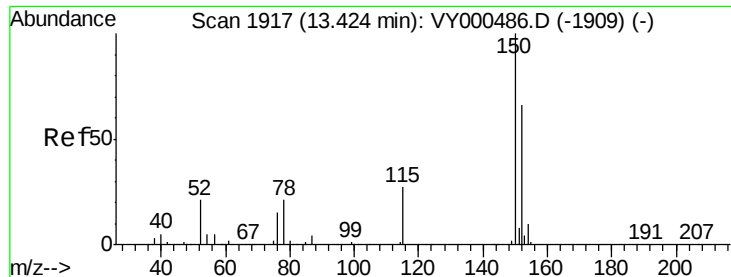
Tot Ion	95	Resp	238891
Ion Ratio	Lower	Upper	
95	100		
174	75.7	0.0	161.6
176	74.7	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000768.D
Acq: 21 Nov 2019 15:20

Tgt Ion	117	Resp	525592
Ion Ratio	Lower	Upper	
117	100		
82	55.2	40.8	61.2
119	32.2	26.2	39.2



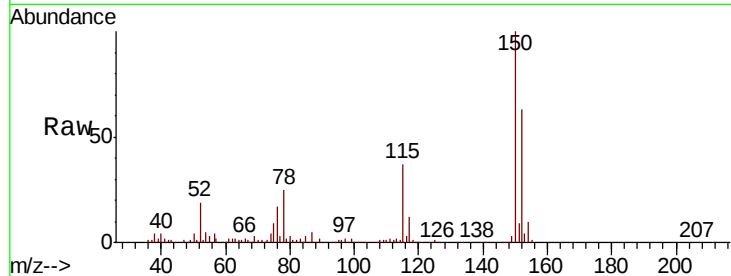


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VY000768.D
Acq: 21 Nov 2019 15:20

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.1	29.1	87.4
150	155.6	0.0	348.8

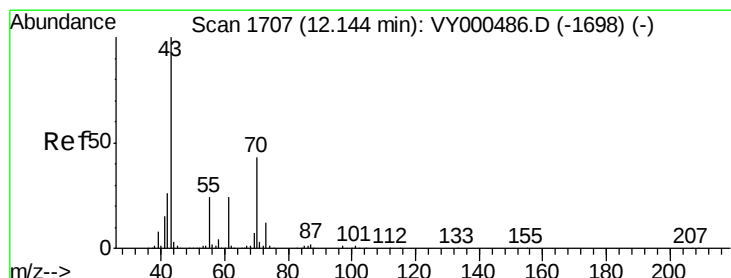
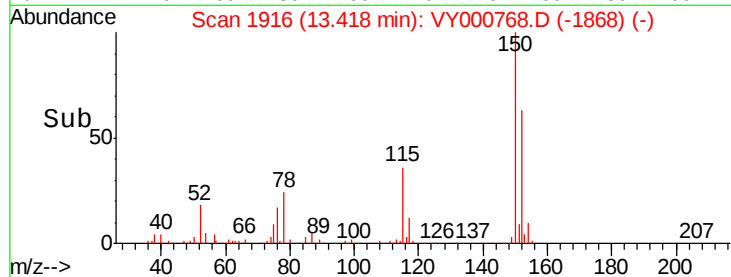
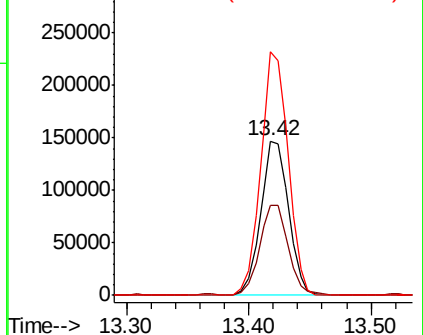


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

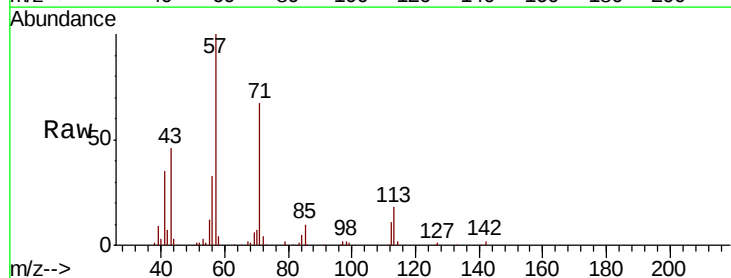
Ion 149.90 (149.60 to 150.60): V



#74

N-amil acetate
Concen: 5.136 ug/l
RT: 12.12 min Scan# 1703
Delta R.T. -0.02 min
Lab File: VY000768.D
Acq: 21 Nov 2019 15:20

Tgt Ion	Ratio	Lower	Upper
43	100		
70	10.1	33.1	49.7#
55	13.4	18.0	27.0#
61	0.0	19.1	28.7#



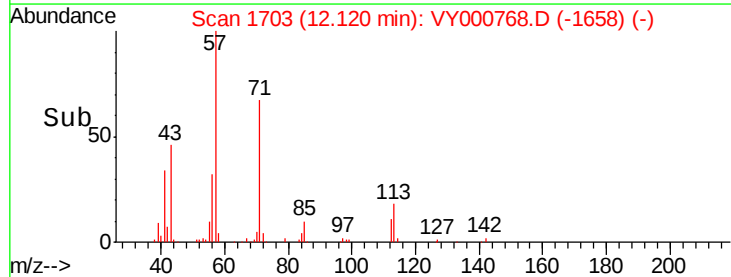
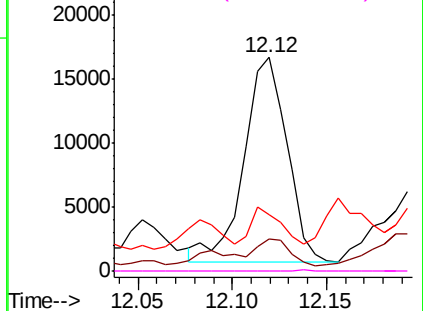
Abundance

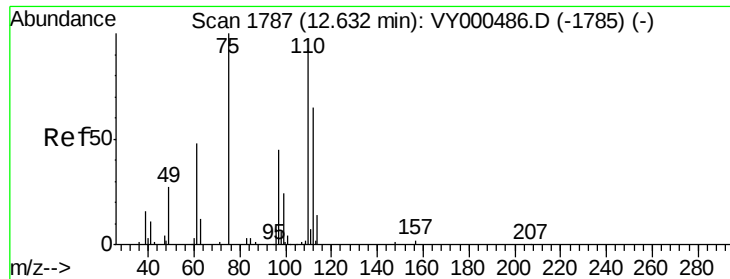
Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

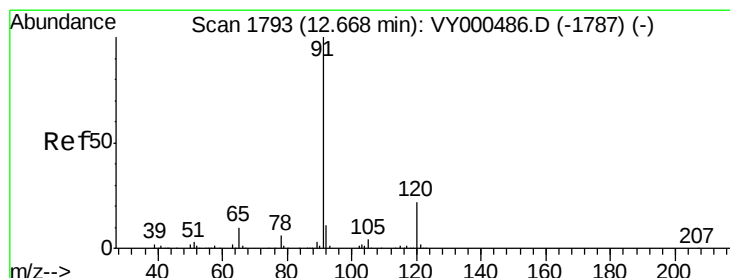
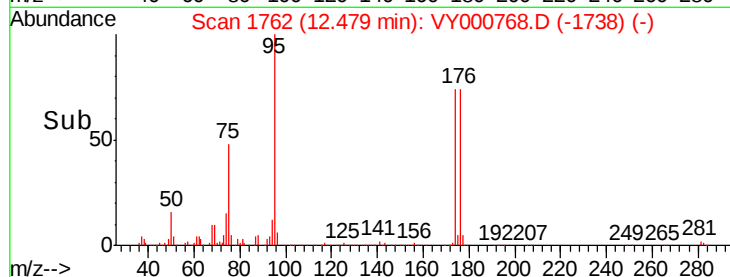
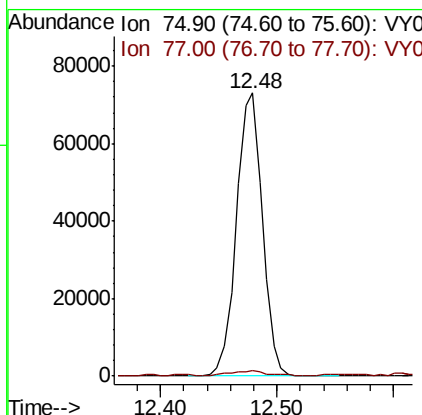
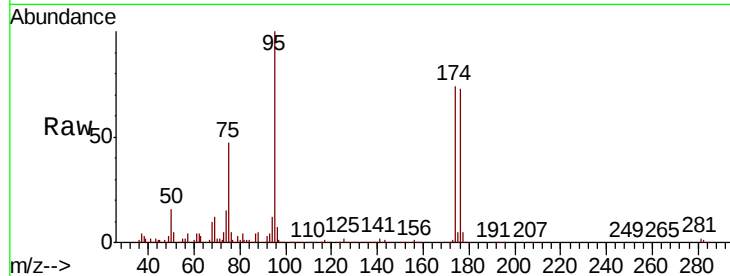




#76
 1,2,3-Trichloropropane
 Concen: 42.869 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY000768.D
 Acq: 21 Nov 2019 15:20

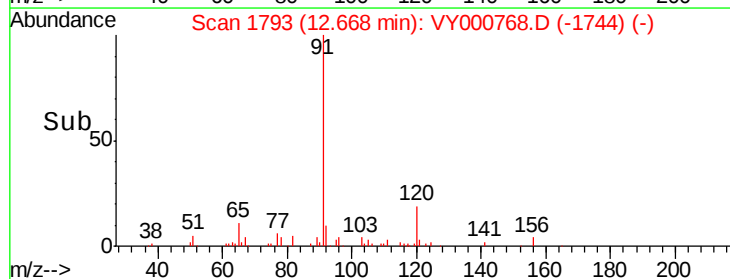
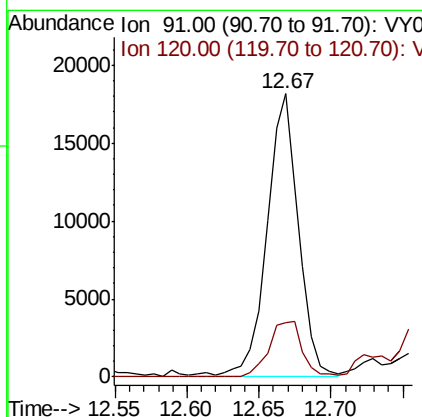
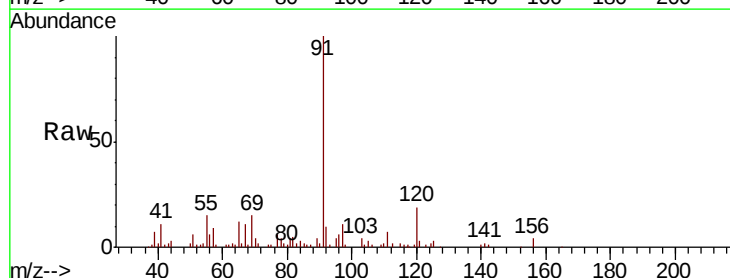
Instrument :
 MSVOA_Y
 ClientSampled :

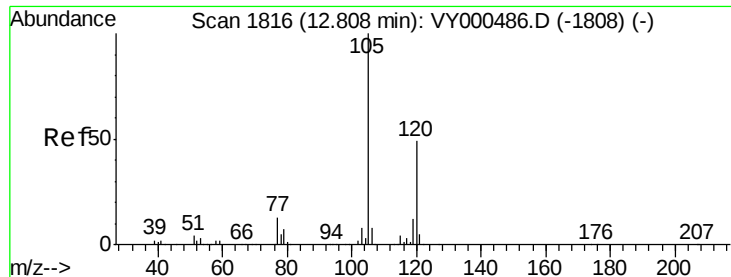
Tot Ion: 75 Resp: 113578
 Ion Ratio Lower Upper
 75 100
 77 2.4 0.0 0.0#



#78
 n-propylbenzene
 Concen: 1.314 ug/l
 RT: 12.67 min Scan# 1793
 Delta R.T. 0.00 min
 Lab File: VY000768.D
 Acq: 21 Nov 2019 15:20

Tgt Ion: 91 Resp: 27262
 Ion Ratio Lower Upper
 91 100
 120 21.2 11.4 34.1





#80

1,3,5-Trimethylbenzene

Concen: 4.400 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY000768.D

Acq: 21 Nov 2019 15:20

Instrument :

MSVOA_Y

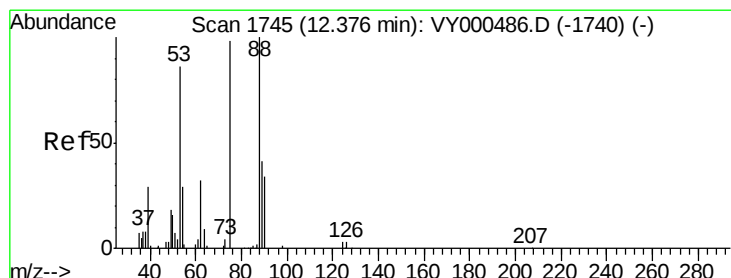
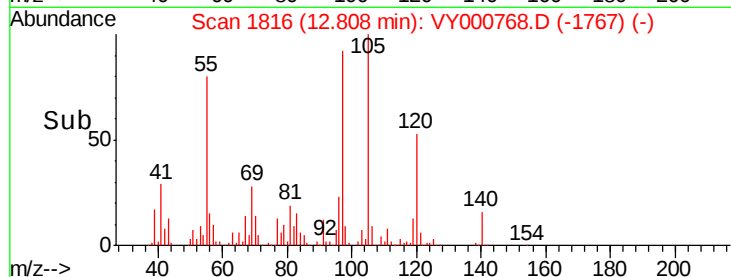
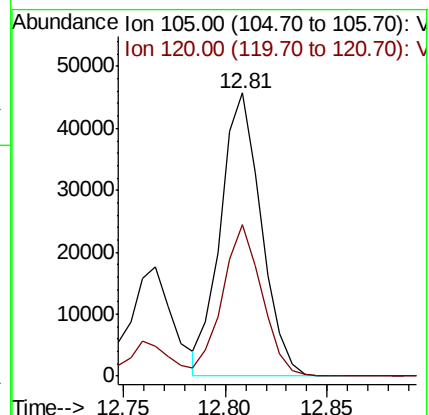
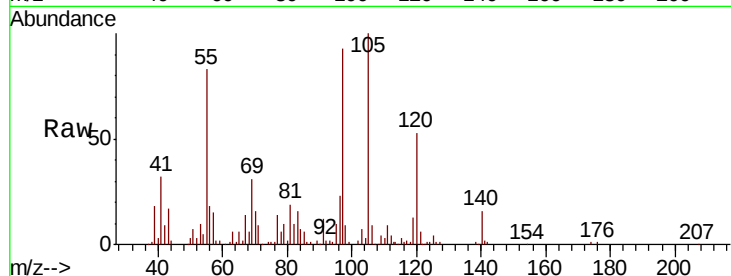
ClientSampled :

Tot Ion:105 Resp: 63015

Ion Ratio Lower Upper

105 100

120 51.9 24.9 74.8



#81

trans-1,4-Dichloro-2-butene

Concen: 96.118 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000768.D

Acq: 21 Nov 2019 15:20

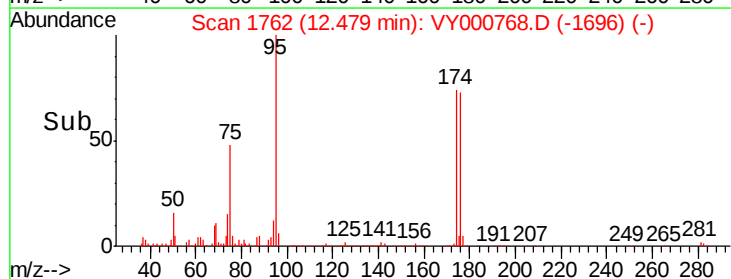
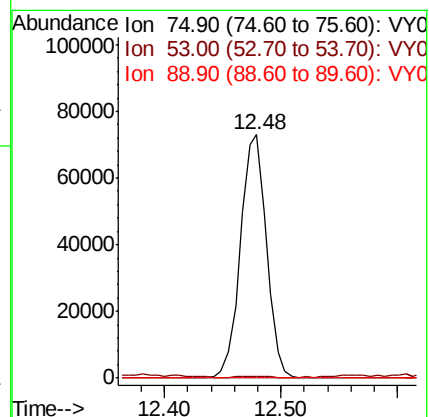
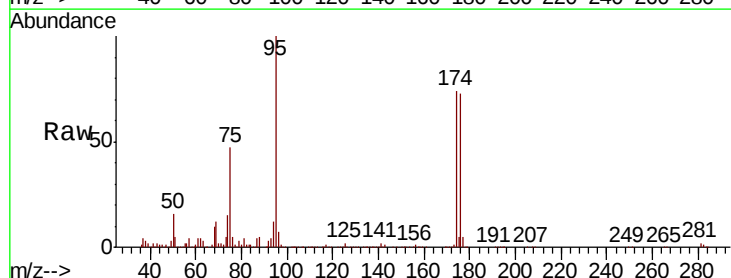
Tgt Ion: 75 Resp: 113578

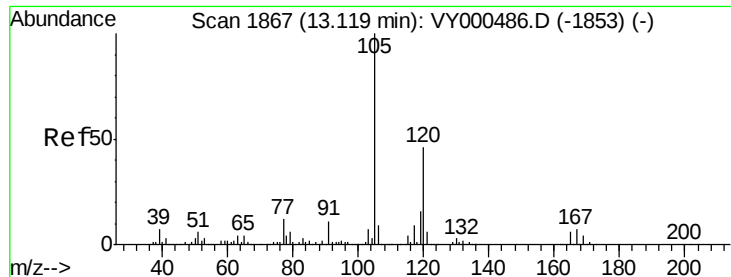
Ion Ratio Lower Upper

75 100

53 0.9 73.2 109.8#

89 0.1 35.9 53.9#

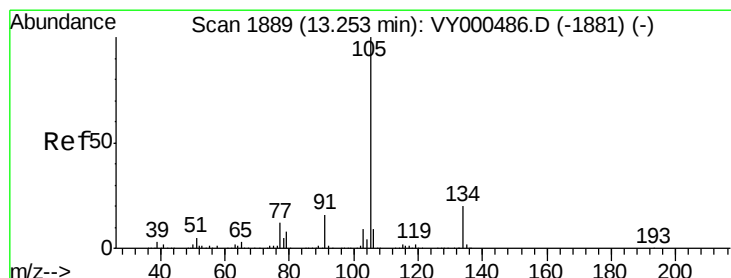
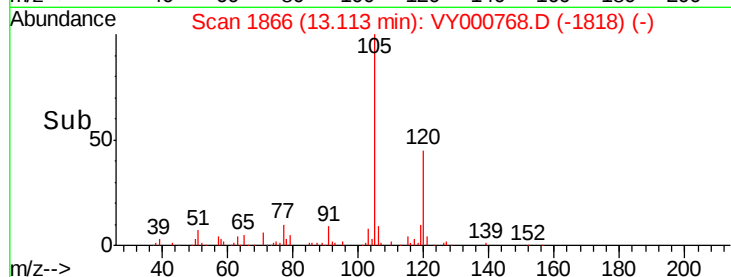
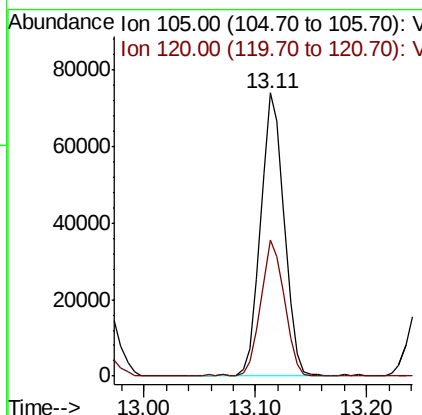
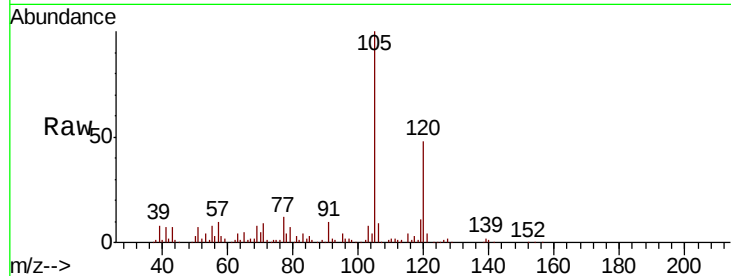




#84
 1,2,4-Trimethylbenzene
 Concen: 7.695 ug/l
 RT: 13.11 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: VY000768.D
 Acq: 21 Nov 2019 15:20

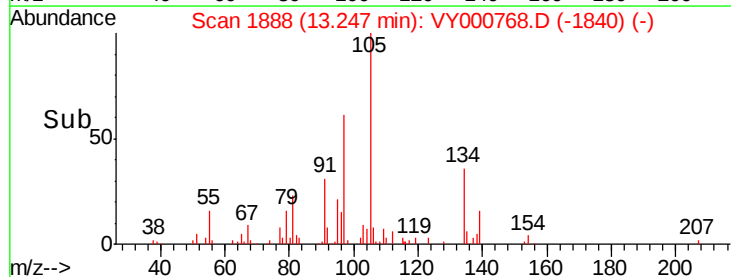
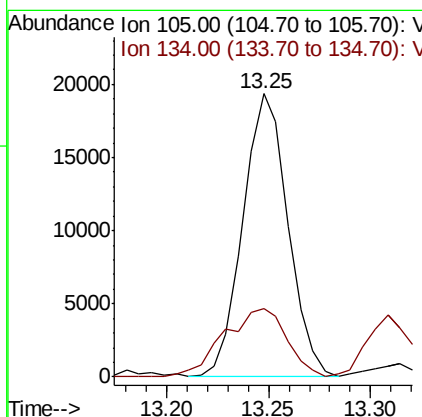
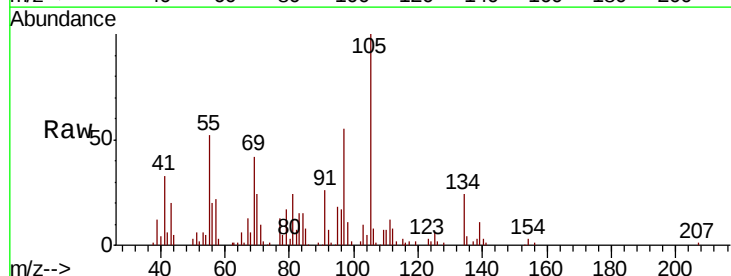
Instrument :
 MSVOA_Y
 ClientSampleId :

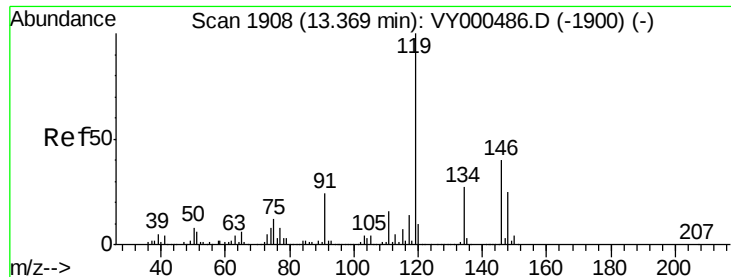
Tot Ion:105 Resp: 109739
 Ion Ratio Lower Upper
 105 100
 120 48.5 23.3 69.9



#85
 sec-Butylbenzene
 Concen: 1.694 ug/l
 RT: 13.25 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VY000768.D
 Acq: 21 Nov 2019 15:20

Tgt Ion:105 Resp: 29521
 Ion Ratio Lower Upper
 105 100
 134 34.0 10.1 30.1#





#86

p-Isopropyltoluene

Concen: 1.140 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.01 min

Lab File: VY000768.D

Acq: 21 Nov 2019 15:20

Instrument :

MSVOA_Y

ClientSampleId :

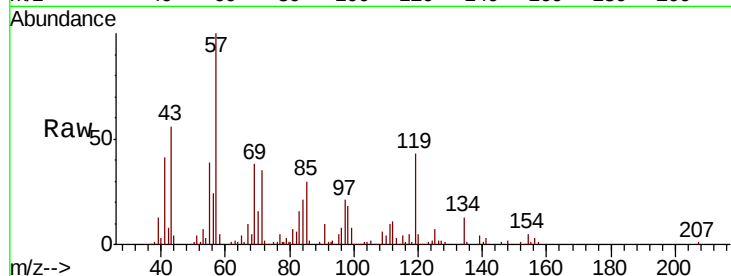
Tot Ion:119 Resp: 17703

Ion Ratio Lower Upper

119 100

134 27.8 13.6 40.8

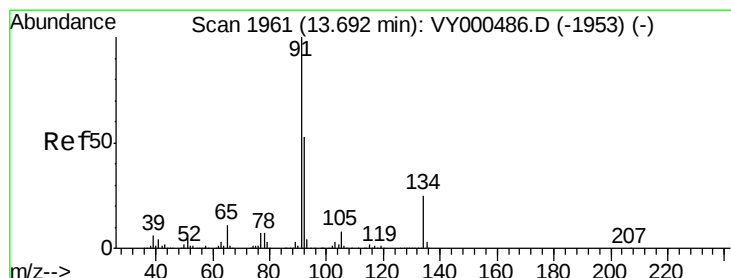
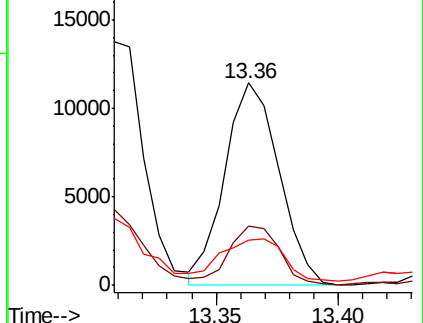
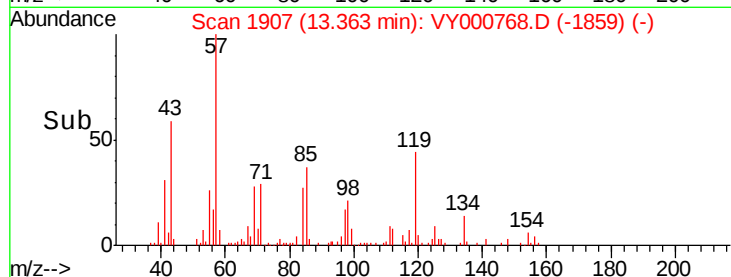
91 23.0 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#89

n-Butylbenzene

Concen: 2.859 ug/l

RT: 13.69 min Scan# 1961

Delta R.T. 0.00 min

Lab File: VY000768.D

Acq: 21 Nov 2019 15:20

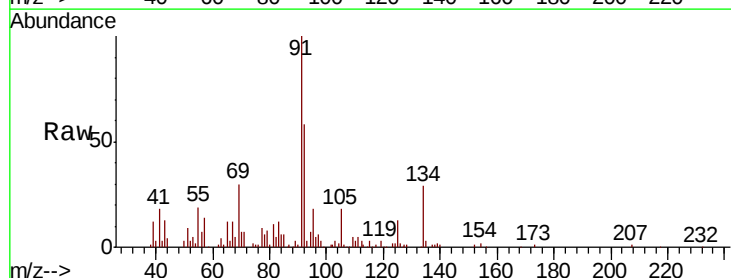
Tgt Ion: 91 Resp: 43787

Ion Ratio Lower Upper

91 100

92 42.6 26.8 80.3

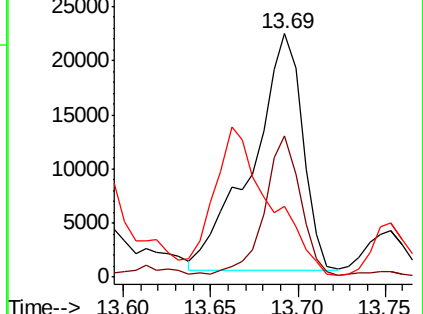
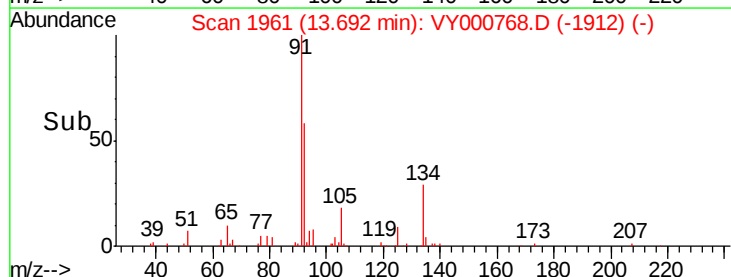
134 0.0 12.9 38.7#

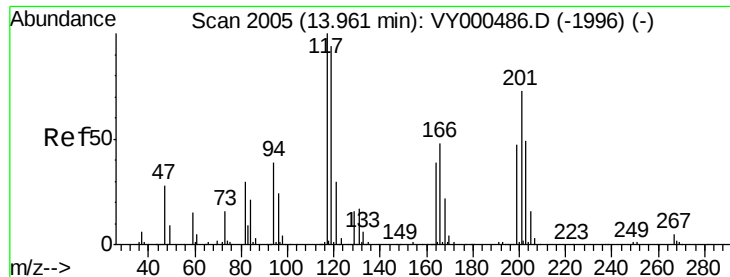


Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 5.255 ug/l

RT: 13.97 min Scan# 2006

Delta R.T. 0.01 min

Lab File: VY000768.D

Acq: 21 Nov 2019 15:20

Instrument :

MSVOA_Y

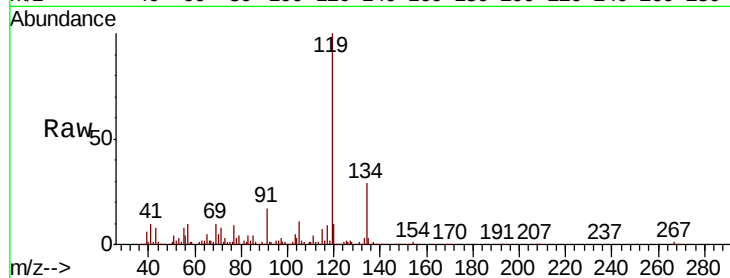
ClientSampled :

Tot Ion:117 Resp: 15086

Ion Ratio Lower Upper

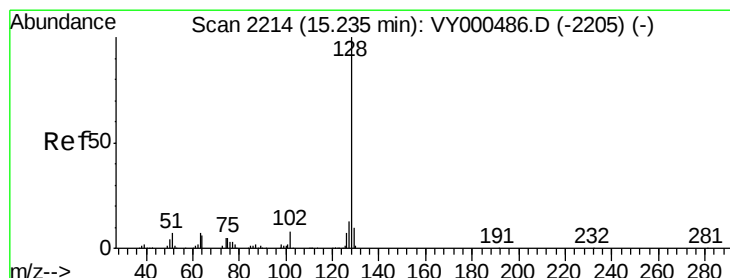
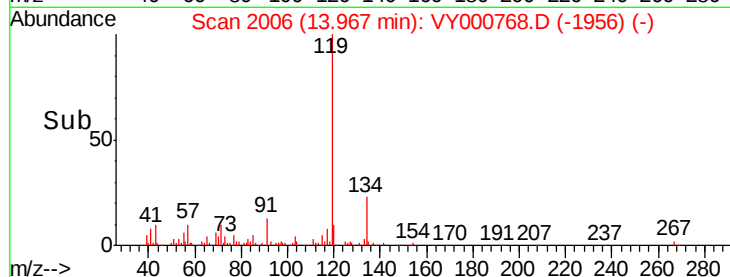
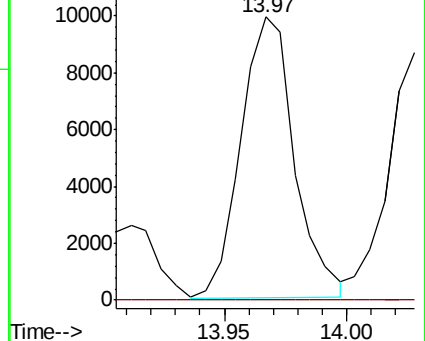
117 100

201 0.0 35.8 107.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 1.179 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY000768.D

Acq: 21 Nov 2019 15:20

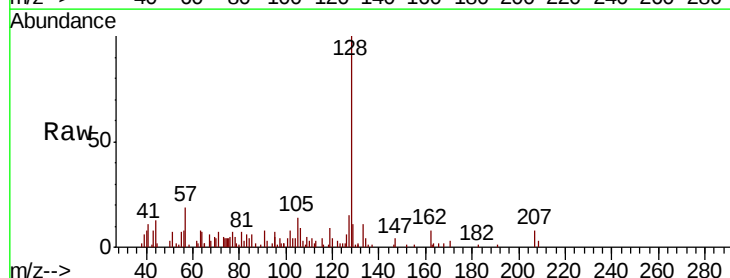
Tgt Ion:128 Resp: 12350

Ion Ratio Lower Upper

128 100

127 17.9 9.8 14.6#

129 12.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

