

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011420\
 Data File : VY001205.D
 Acq On : 14 Jan 2020 15:51
 Operator : SY/MD
 Sample : L1005-01
 Misc : 6.81G/5ML/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-05-011420

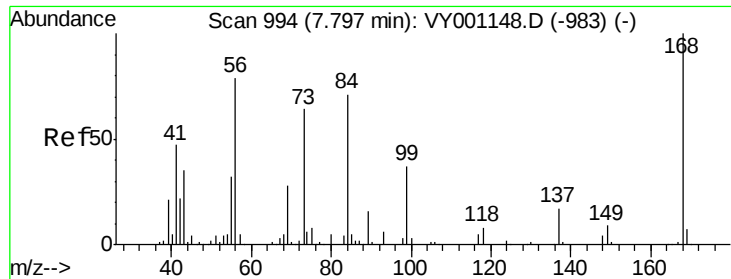
Quant Time: Jan 15 01:23:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	172916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	316211	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	284203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	120574	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	98304	53.83	ug/l	0.00
Spiked Amount			Recovery	=	107.66%	
35) Dibromofluoromethane	7.72	113	93787	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
50) Toluene-d8	10.18	98	367832	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
62) 4-Bromofluorobenzene	12.48	95	130986	44.91	ug/l	0.00
Spiked Amount			Recovery	=	89.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	4902	11.557	ug/l #	80
20) Methylene Chloride	4.72	84	9341	Below Cal		95
25) 2-Butanone	7.01	43	948	1.436	ug/l #	47
29) Tetrahydrofuran	7.36	42	498	1.101	ug/l #	59
31) Cyclohexane	7.79	56	3548	1.004	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	13031	4.521	ug/l #	49
38) Carbon Tetrachloride	7.80	117	16220	6.141	ug/l #	15
55) 1,1,2-Trichloroethane	10.61	97	1982	1.178	ug/l #	20
69) o-Xylene	12.03	106	14747	3.925	ug/l	98
74) N-amyl acetate	12.12	43	5358	1.894	ug/l #	53
76) 1,2,3-Trichloropropane	12.48	75	63264	49.013	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	86647	11.456	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.48	75	63264	83.116	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.12	105	13437	1.789	ug/l	96
85) sec-Butylbenzene	13.12	105	13437	1.470	ug/l #	57
86) p-Isopropyltoluene	13.37	119	34391	4.333	ug/l	97
89) n-Butylbenzene	13.66	91	36825	4.606	ug/l #	1
90) Hexachloroethane	13.97	117	11979	7.723	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.33	75	1108	3.221	ug/l #	6
95) Naphthalene	15.23	128	5938	1.100	ug/l #	70

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY001205.D

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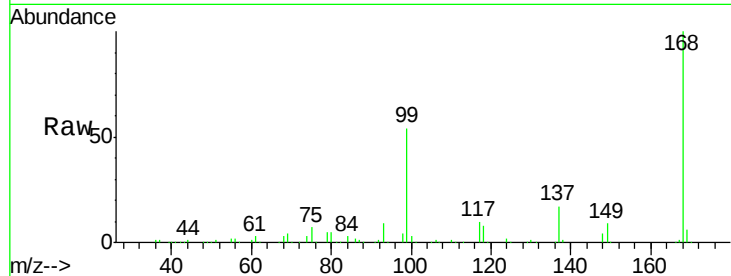
HR-05-011420

Tgt Ion:168 Resp: 172916

Ion Ratio Lower Upper

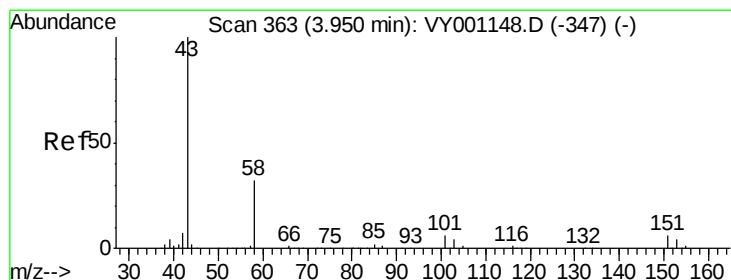
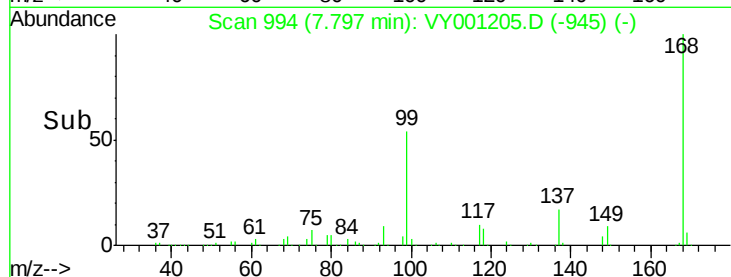
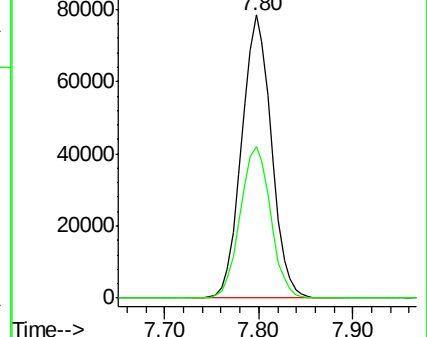
168 100

99 53.7 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)



#16

Acetone

Concen: 11.557 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001205.D

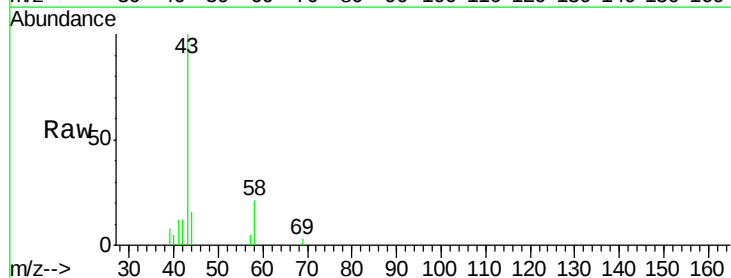
Acq: 14 Jan 2020 15:51

Tgt Ion: 43 Resp: 4902

Ion Ratio Lower Upper

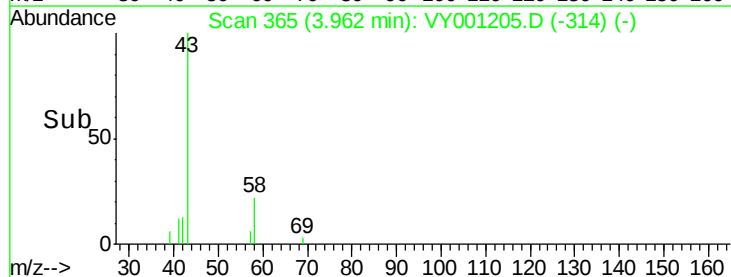
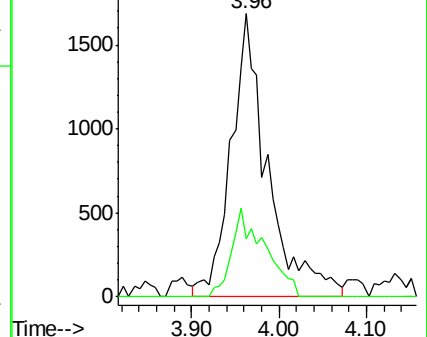
43 100

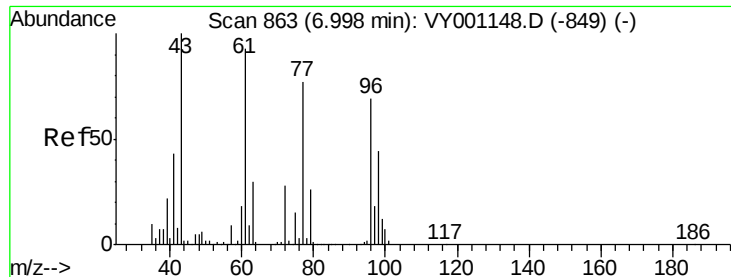
58 21.3 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY001148.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001148.D (-347) (-)





#25

2-Butanone

Concen: 1.436 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY001205.D

Acq: 14 Jan 2020 15:51

Instrument :

MSVOA_Y

ClientSampleId :

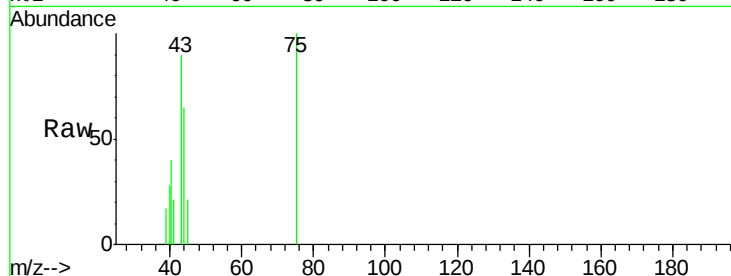
HR-05-011420

Tgt Ion: 43 Resp: 948

Ion Ratio Lower Upper

43 100

72 0.0 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

7.01

250

200

150

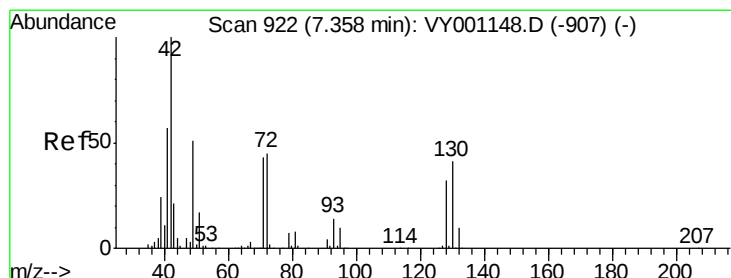
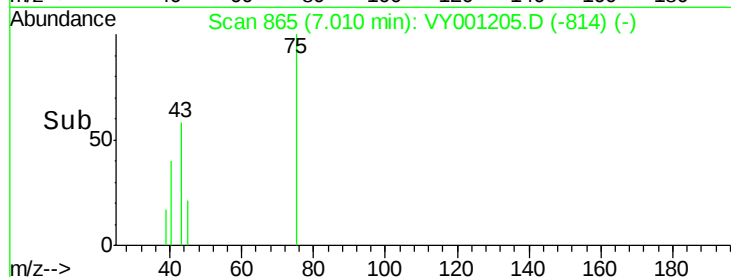
100

50

0

6.90 6.95 7.00 7.05 7.10

Time-->



#29

Tetrahydrofuran

Concen: 1.101 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.01 min

Lab File: VY001205.D

Acq: 14 Jan 2020 15:51

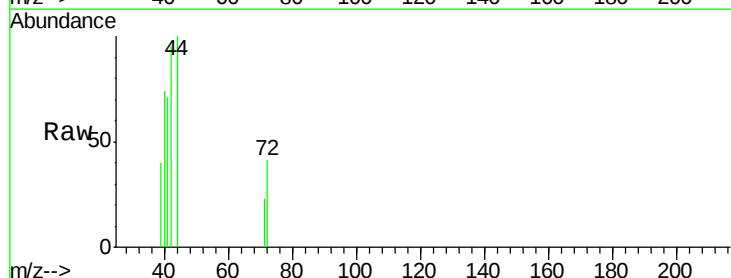
Tgt Ion: 42 Resp: 498

Ion Ratio Lower Upper

42 100

72 6.8 36.9 55.3#

71 29.1 34.0 51.0#



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

7.36

250

200

150

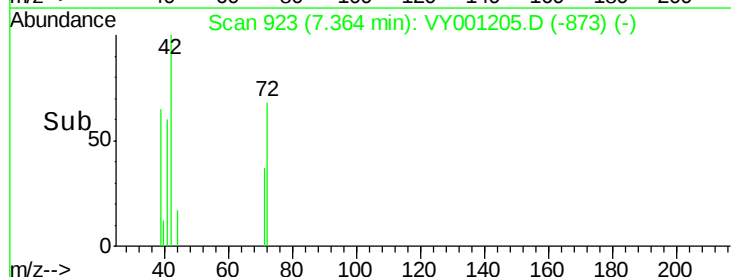
100

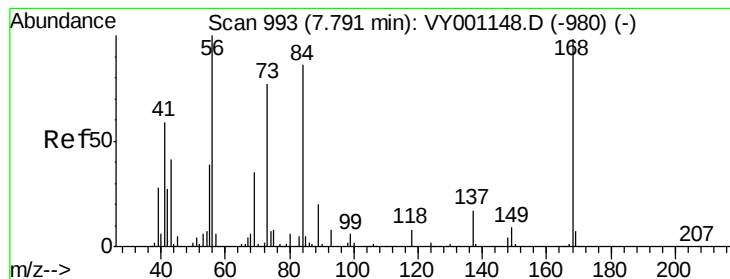
50

0

7.30 7.35 7.40

Time-->





#31

Cyclohexane

Concen: 1.004 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY001205.D

Acq: 14 Jan 2020 15:51

Instrument :

MSVOA_Y

ClientSampleId :

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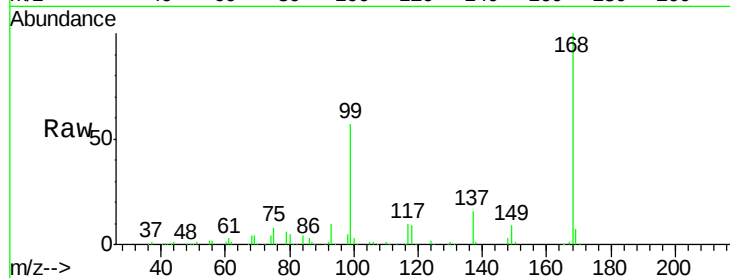
Tgt Ion: 56 Resp: 3548

Ion Ratio Lower Upper

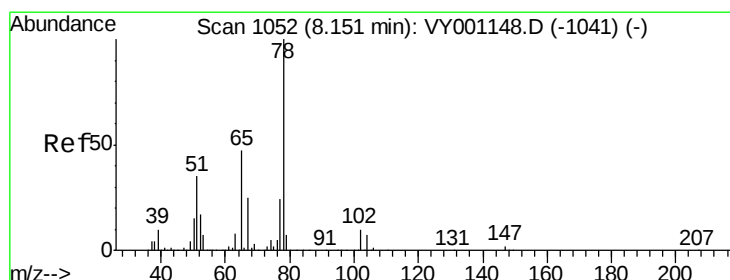
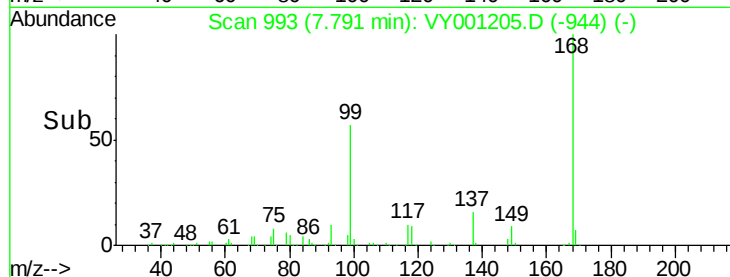
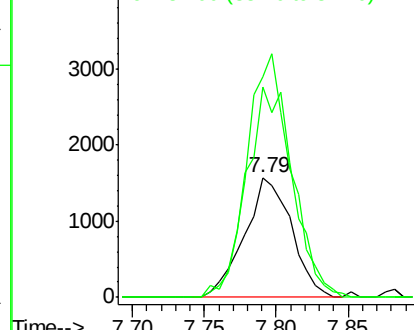
56 100

69 183.4 27.8 41.8#

84 175.6 68.9 103.3#



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: 53.827 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY001205.D

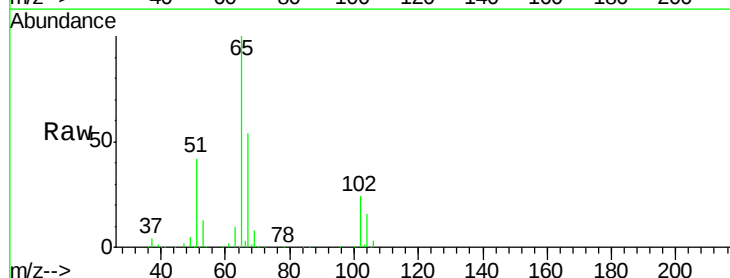
Acq: 14 Jan 2020 15:51

Tgt Ion: 65 Resp: 98304

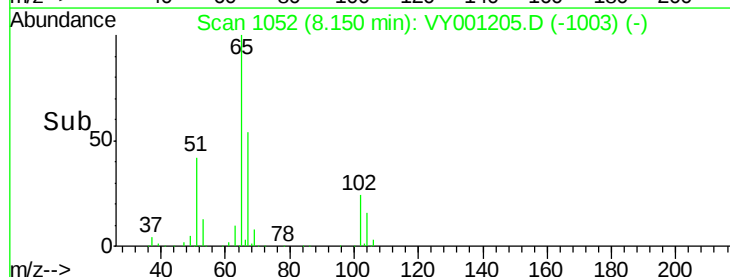
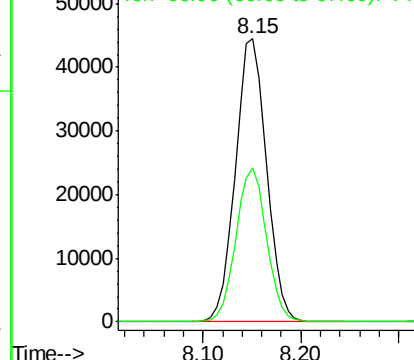
Ion Ratio Lower Upper

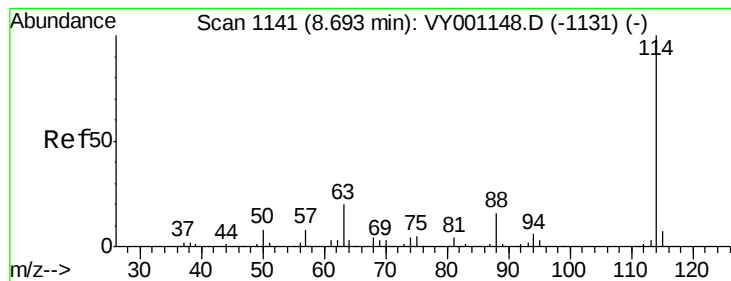
65 100

67 53.5 0.0 105.2



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. -0.00 min

Lab File: VY001205.D

Acq: 14 Jan 2020 15:51

Instrument :

MSVOA_Y

ClientSampleId :

HR-05-011420

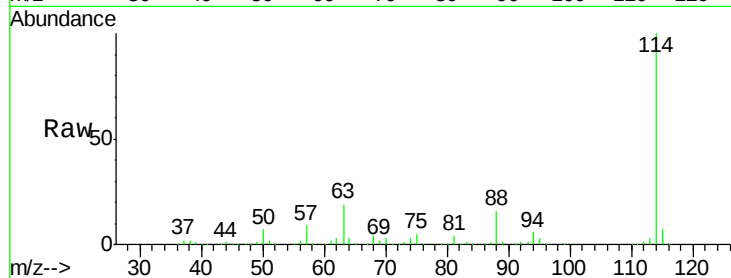
Tgt Ion:114 Resp: 316211

Ion Ratio Lower Upper

114 100

63 18.6 0.0 40.8

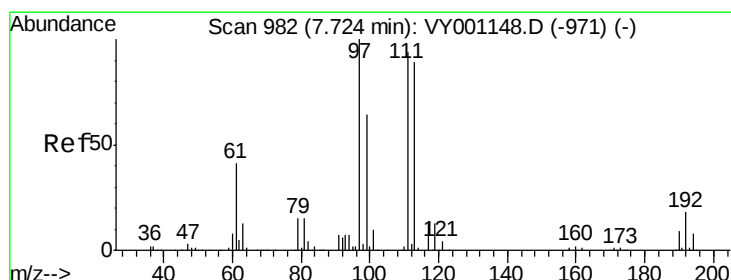
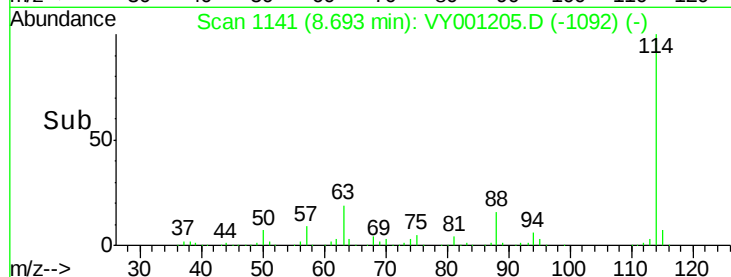
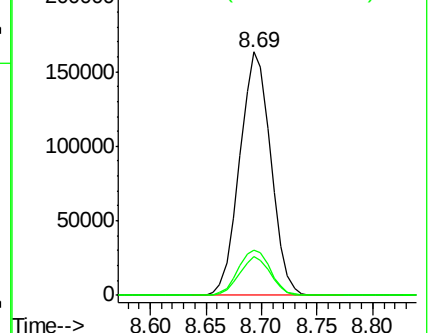
88 15.7 0.0 32.4



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: 50.657 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY001205.D

Acq: 14 Jan 2020 15:51

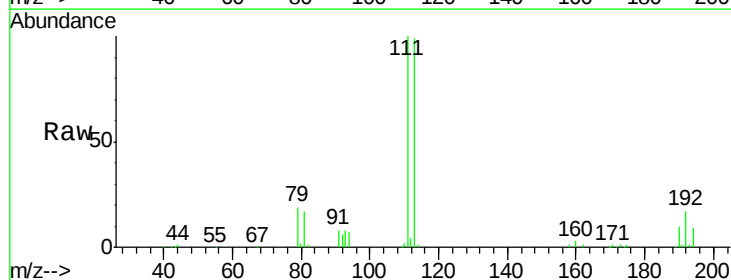
Tgt Ion:113 Resp: 93787

Ion Ratio Lower Upper

113 100

111 103.1 82.9 124.3

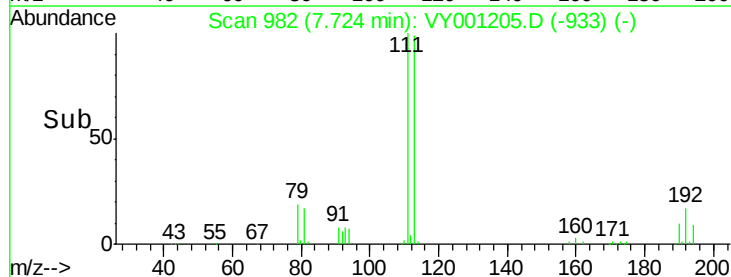
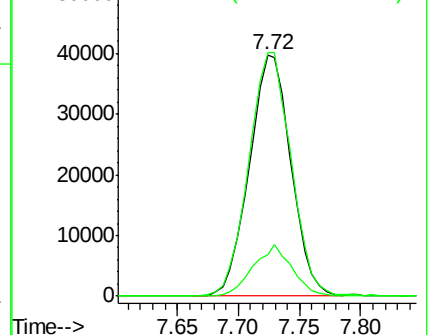
192 19.8 15.4 23.2

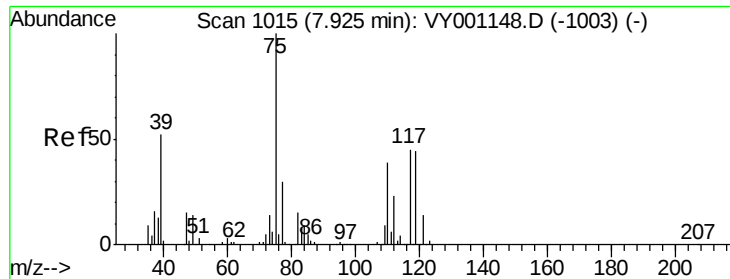


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

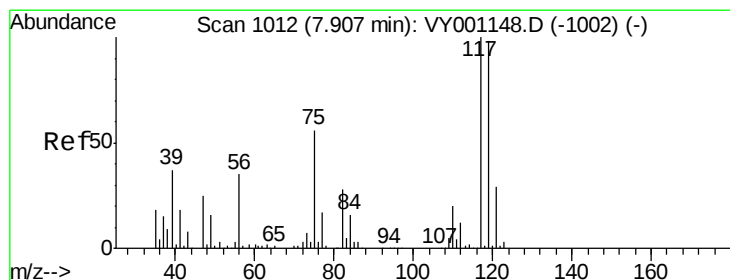
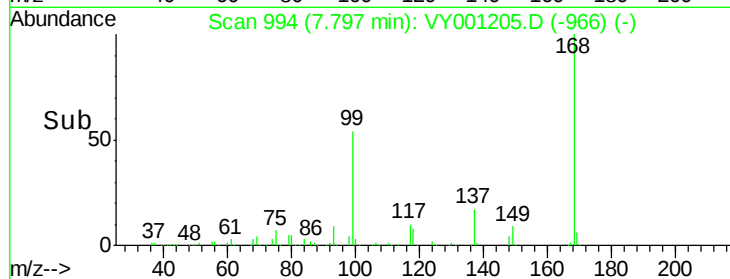
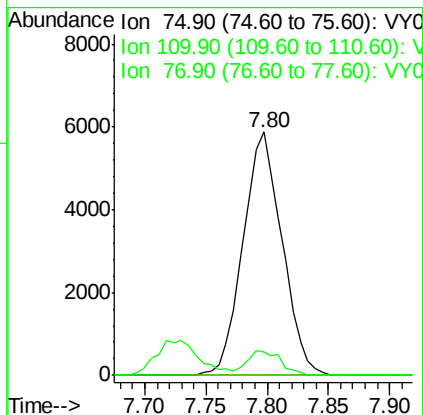
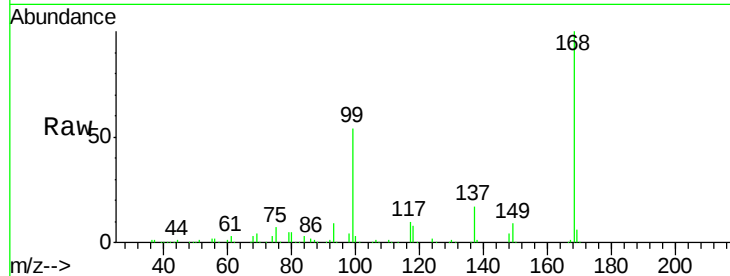




#36
 1,1-Dichloropropene
 Concen: 4.521 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY001205.D
 Acq: 14 Jan 2020 15:51

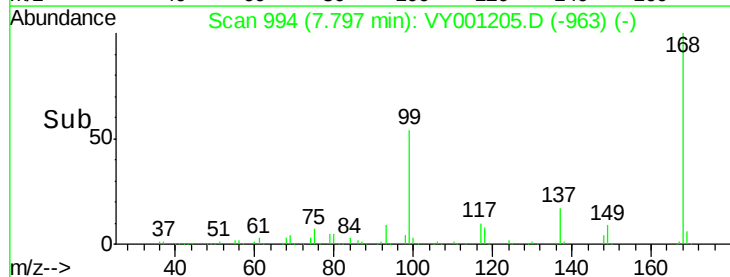
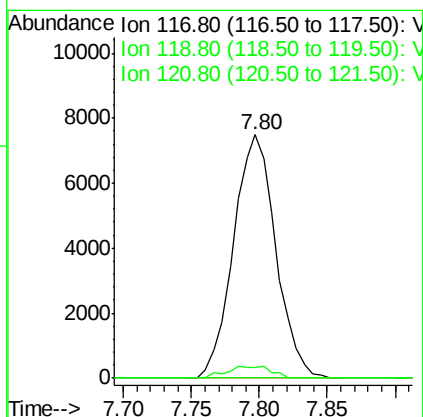
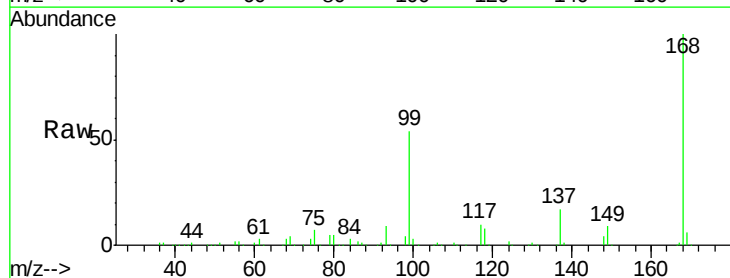
Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-05-011420

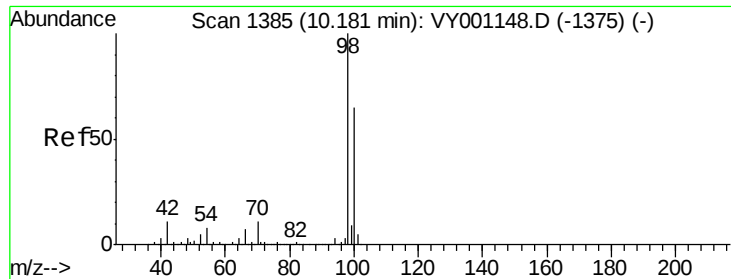
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.3	54.8#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.141 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY001205.D
 Acq: 14 Jan 2020 15:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	78.3	117.5#
121	0.0	23.5	35.3#





#50

Toluene-d8

Concen: 51.562 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001205.D

Acq: 14 Jan 2020 15:51

Instrument :

MSVOA_Y

ClientSampleId :

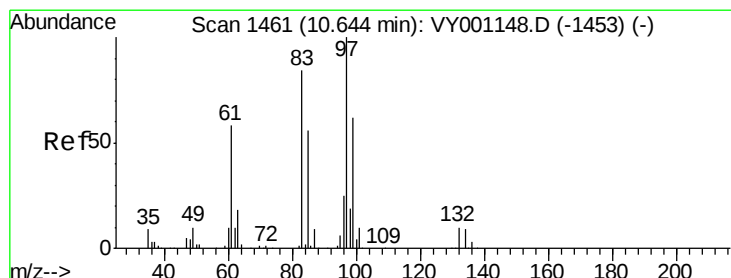
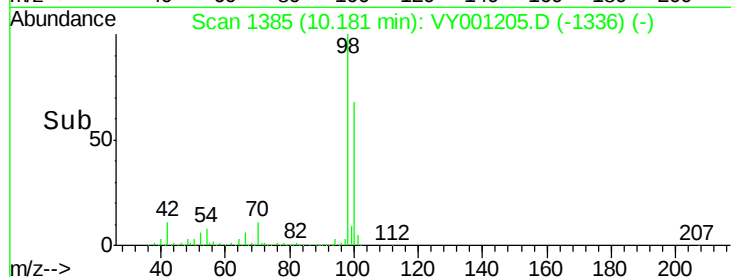
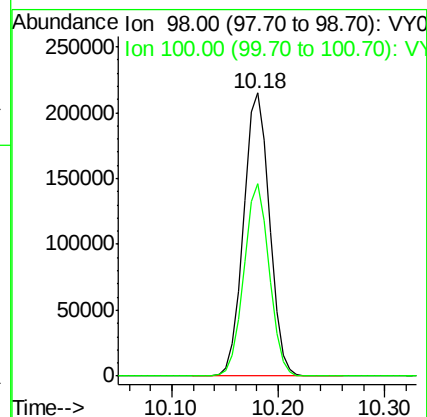
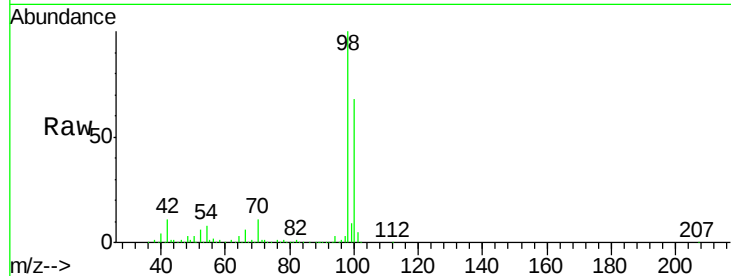
HR-05-011420

Tgt Ion: 98 Resp: 367832

Ion Ratio Lower Upper

98 100

100 66.5 53.1 79.7



#55

1,1,2-Trichloroethane

Concen: 1.178 ug/l

RT: 10.61 min Scan# 1456

Delta R.T. -0.03 min

Lab File: VY001205.D

Acq: 14 Jan 2020 15:51

Tgt Ion: 97 Resp: 1982

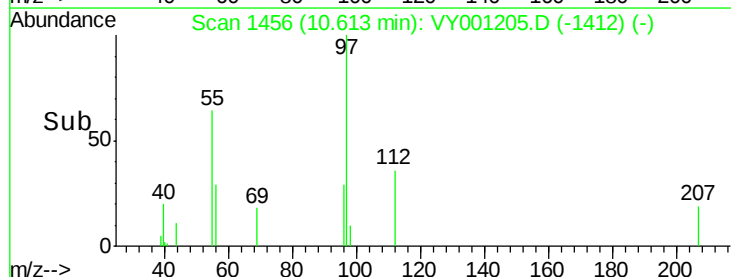
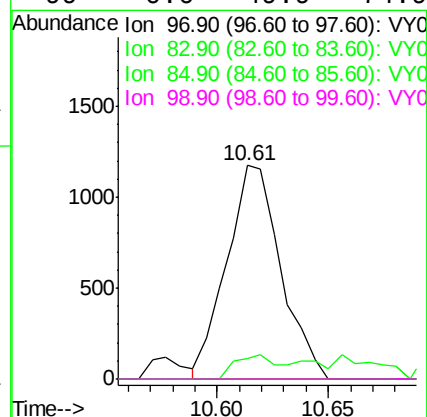
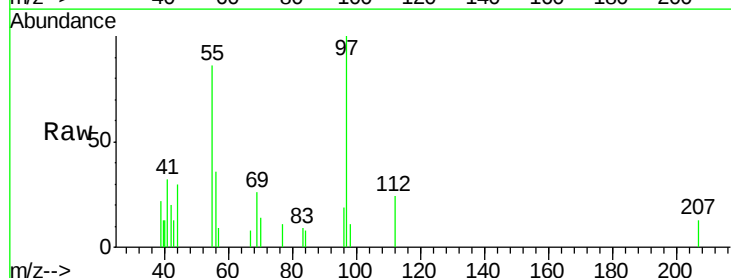
Ion Ratio Lower Upper

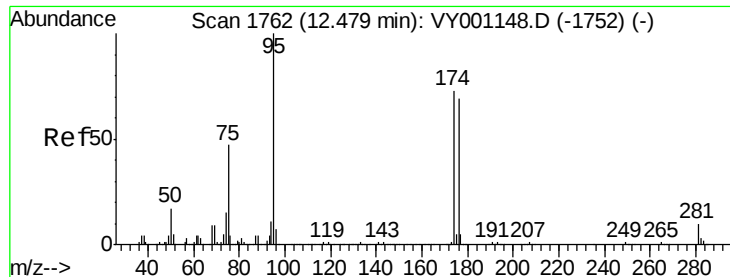
97 100

83 9.4 67.2 100.8#

85 0.0 44.9 67.3#

99 0.0 49.9 74.9#

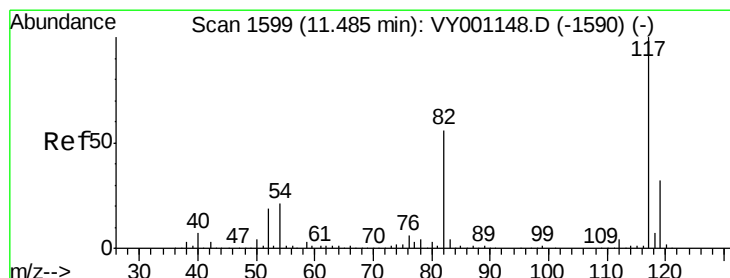
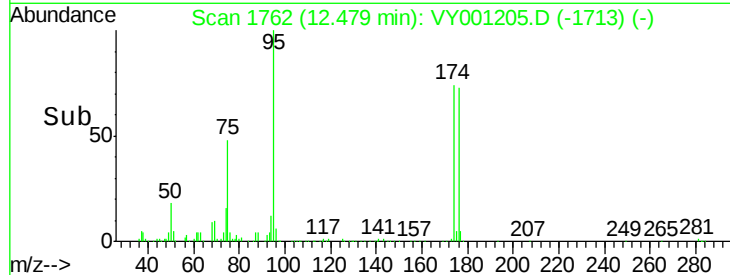
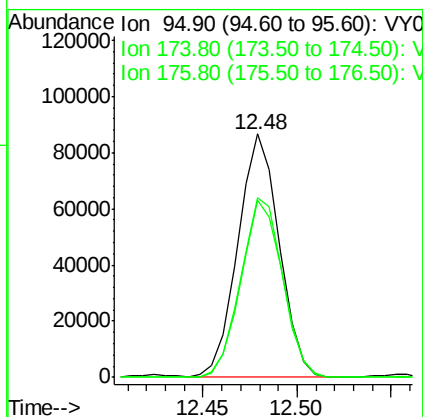
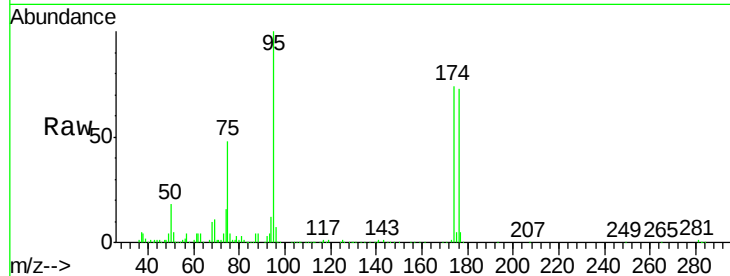




#62
4-Bromofluorobenzene
Concen: 44.912 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY001205.D
Acq: 14 Jan 2020 15:51

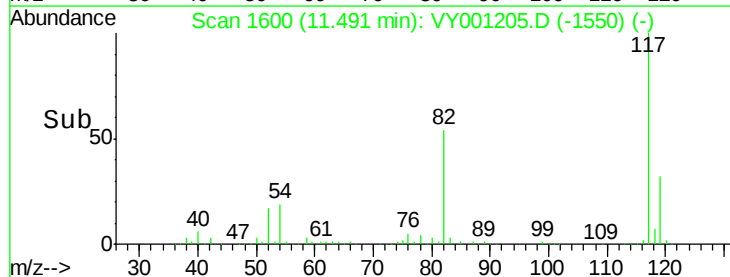
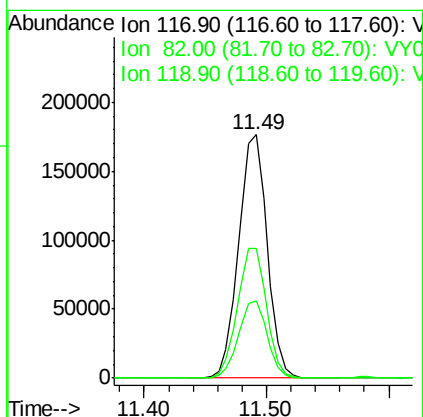
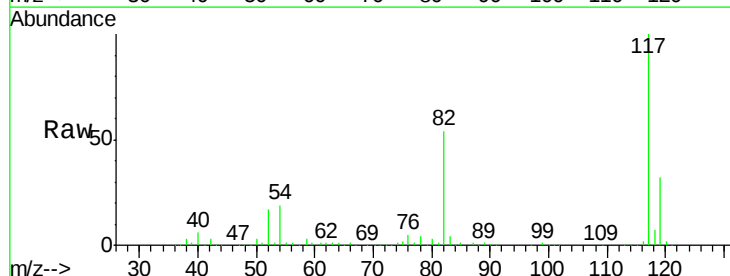
Instrument :
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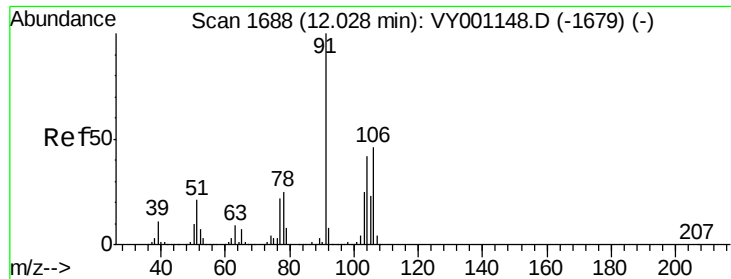
Tgt Ion: 95 Resp: 130986
Ion Ratio Lower Upper
95 100
174 75.7 0.0 143.2
176 73.1 0.0 136.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001205.D
Acq: 14 Jan 2020 15:51

Tgt Ion: 117 Resp: 284203
Ion Ratio Lower Upper
117 100
82 53.4 44.9 67.3
119 31.9 25.7 38.5

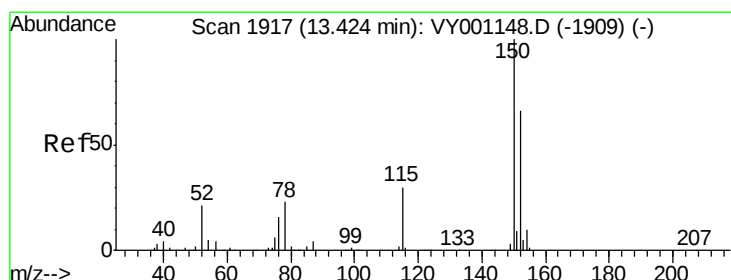
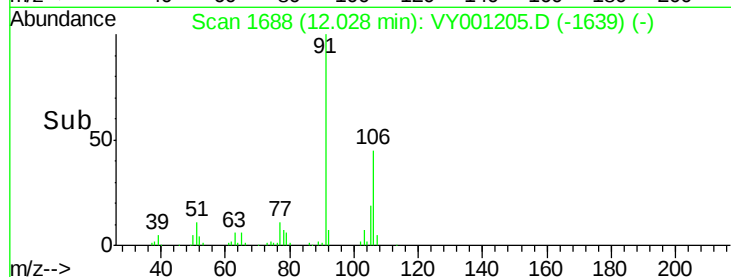
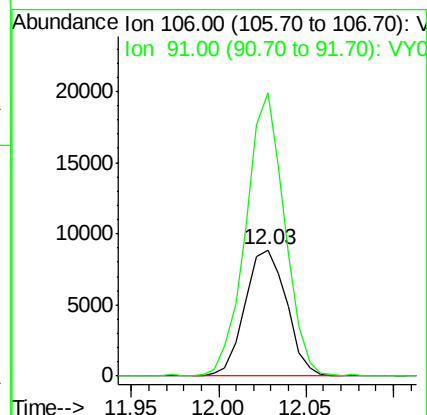
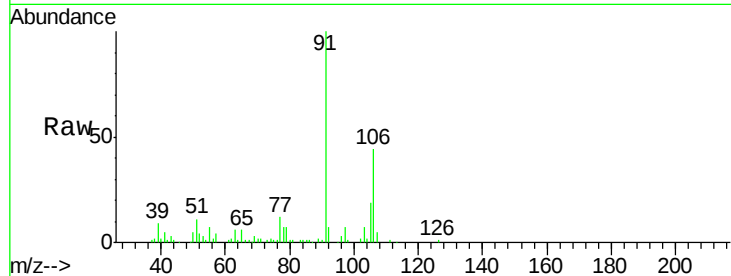




#69
o-Xylene
Concen: 3.925 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY001205.D
Acq: 14 Jan 2020 15:51

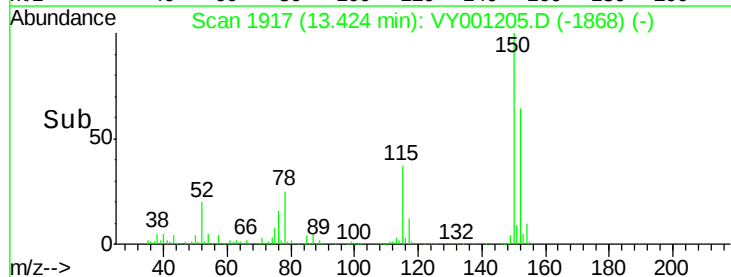
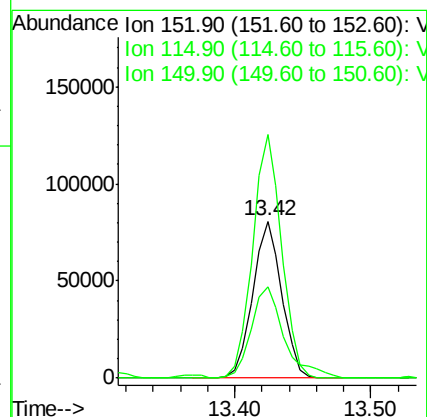
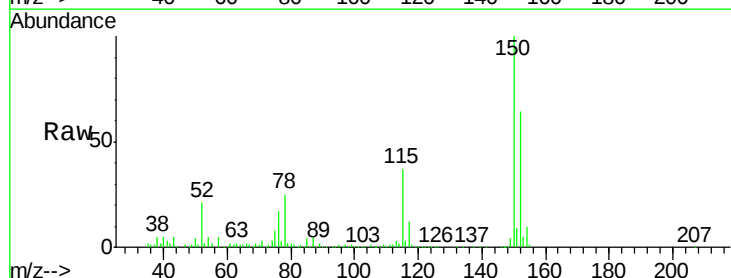
Instrument :
MSVOA_Y
ClientSampleId :
HR-05-011420

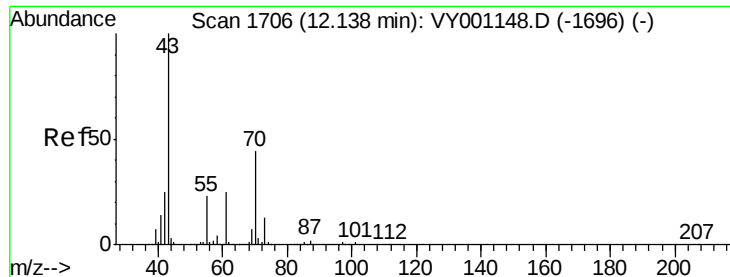
Tgt Ion:106 Resp: 14747
Ion Ratio Lower Upper
106 100
91 209.4 106.3 318.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001205.D
Acq: 14 Jan 2020 15:51

Tgt Ion:152 Resp: 120574
Ion Ratio Lower Upper
152 100
115 66.4 30.9 92.5
150 154.7 0.0 346.8





#74

N-ethyl acetate

Concen: 1.894 ug/l

RT: 12.12 min Scan# 1703

Delta R.T. -0.02 min

Lab File: VY001205.D

Acq: 14 Jan 2020 15:51

Instrument :

MSVOA_Y

ClientSampled :

HR-05-011420

Tgt Ion: 43 Resp: 5358

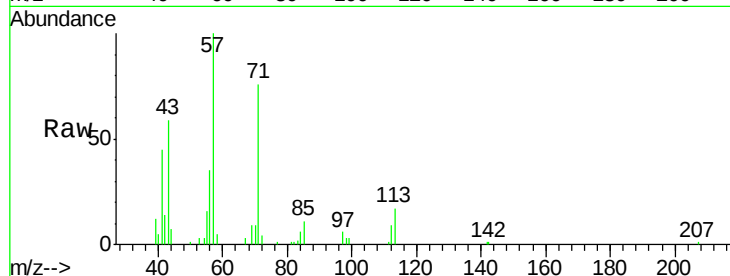
Ion Ratio Lower Upper

43 100

70 9.3 35.0 52.6#

55 8.1 18.4 27.6#

61 0.0 20.1 30.1#

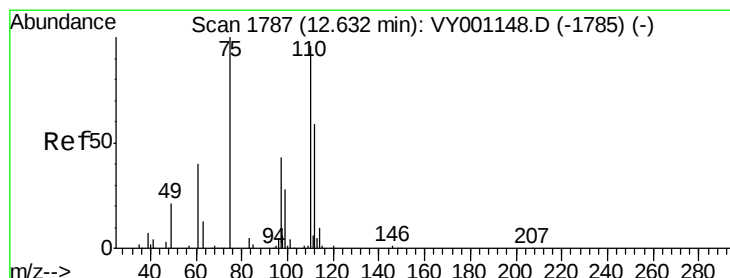
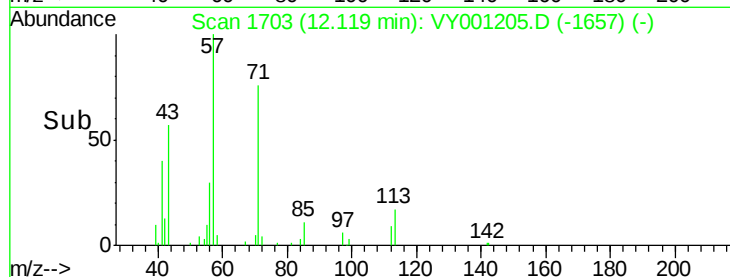
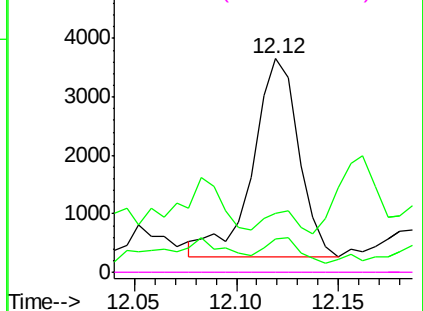


Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 49.013 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001205.D

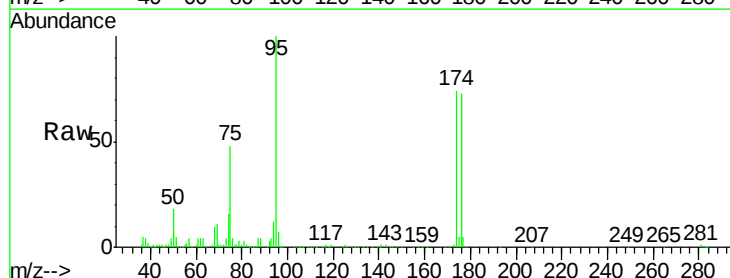
Acq: 14 Jan 2020 15:51

Tgt Ion: 75 Resp: 63264

Ion Ratio Lower Upper

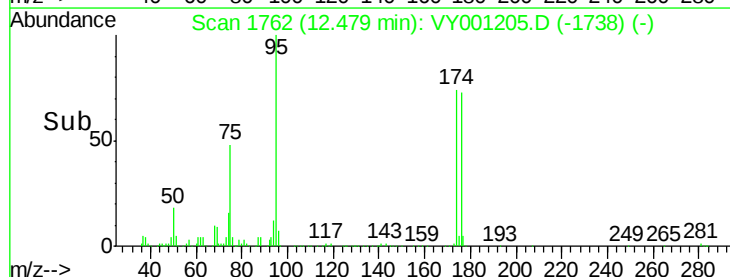
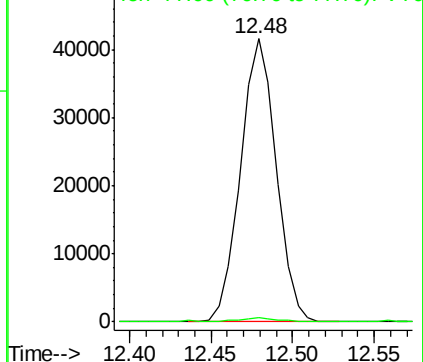
75 100

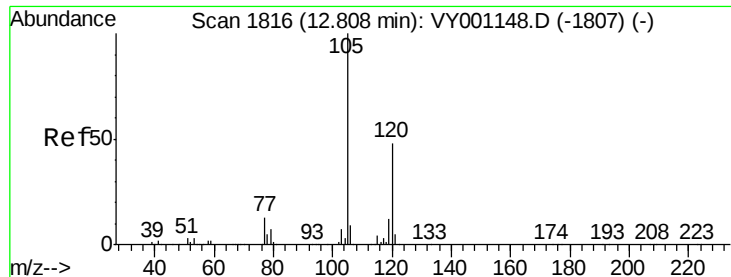
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

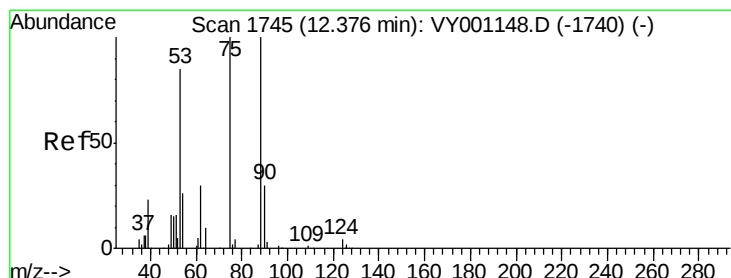
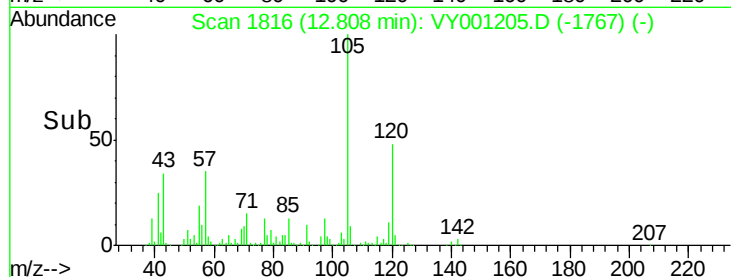
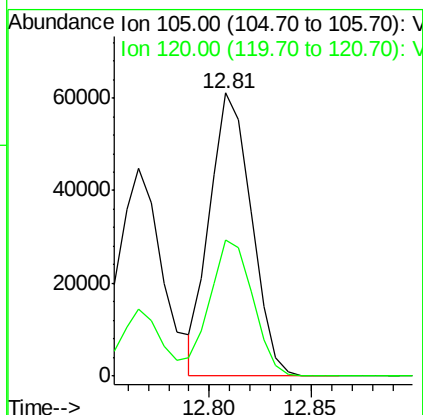
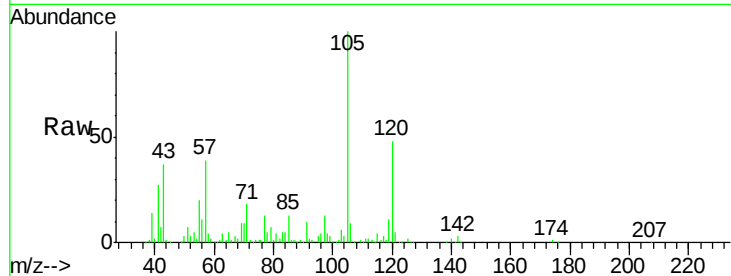




#80
 1,3,5-Trimethylbenzene
 Concen: 11.456 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: VY001205.D
 Acq: 14 Jan 2020 15:51

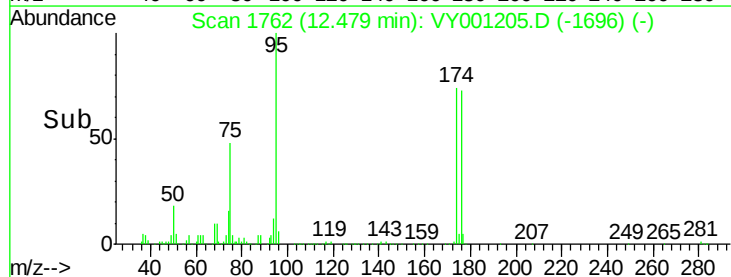
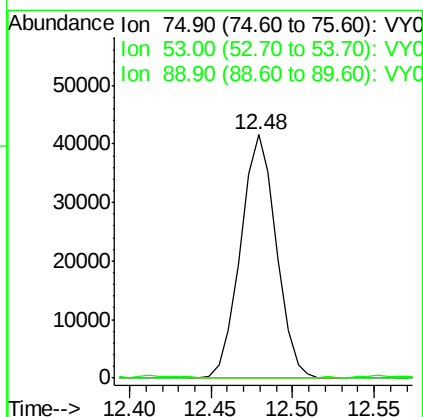
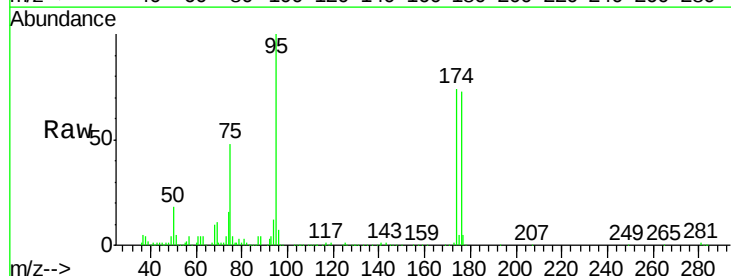
Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-05-011420

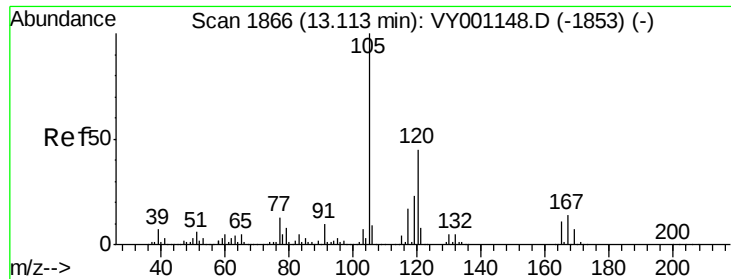
Tgt Ion: 105 Resp: 86647
 Ion Ratio Lower Upper
 105 100
 120 50.7 24.2 72.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.116 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY001205.D
 Acq: 14 Jan 2020 15:51

Tgt Ion: 75 Resp: 63264
 Ion Ratio Lower Upper
 75 100
 53 0.5 69.4 104.2#
 89 0.0 0.0 0.0#

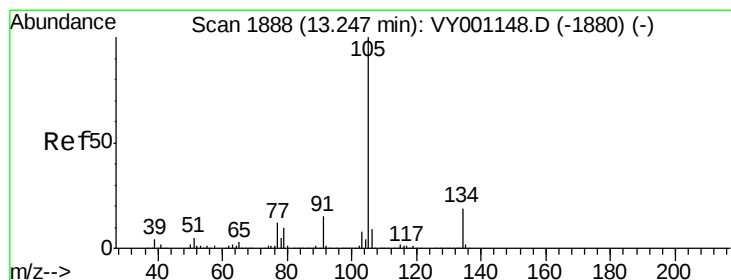
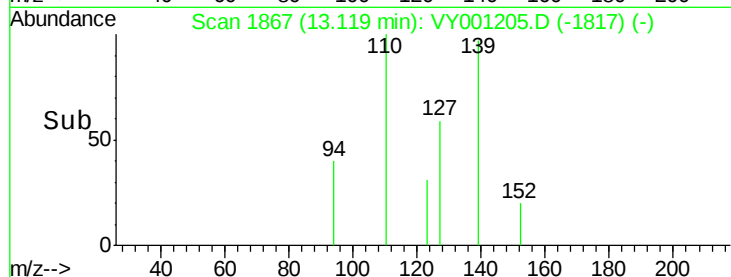
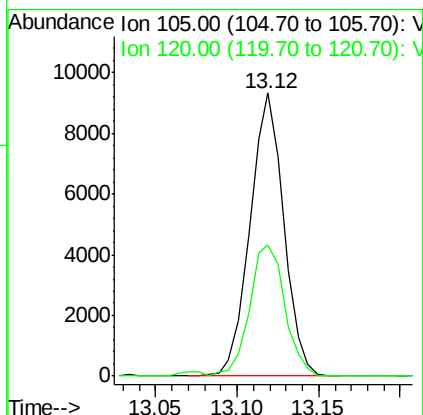
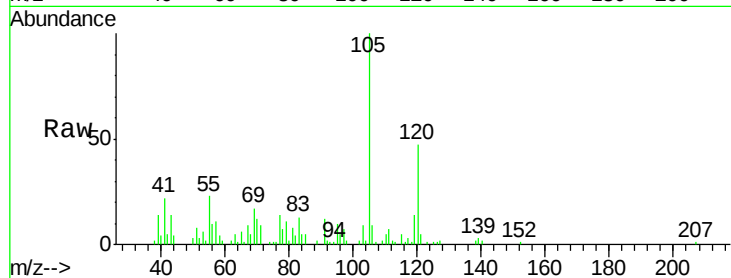




#84
1,2,4-Trimethylbenzene
Concen: 1.789 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VY001205.D
Acq: 14 Jan 2020 15:51

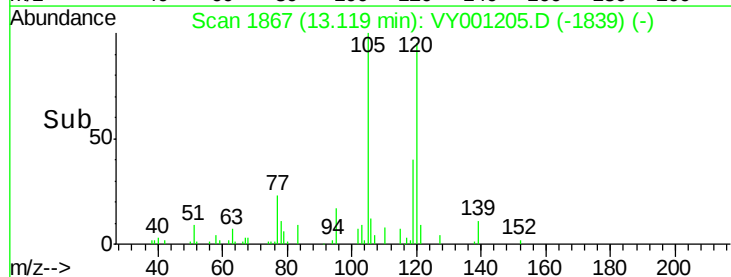
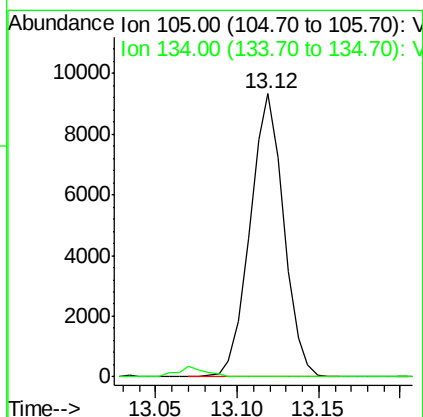
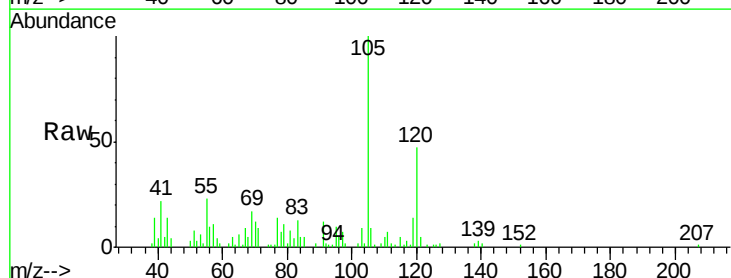
Instrument :
MSVOA_Y
ClientSampleId :
HR-05-011420

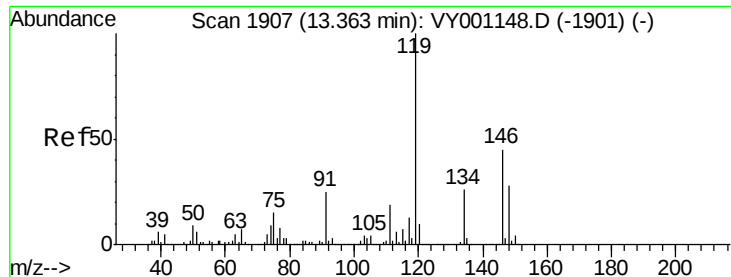
Tgt Ion:105 Resp: 13437
Ion Ratio Lower Upper
105 100
120 48.4 22.8 68.3



#85
sec-Butylbenzene
Concen: 1.470 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.13 min
Lab File: VY001205.D
Acq: 14 Jan 2020 15:51

Tgt Ion:105 Resp: 13437
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.5#

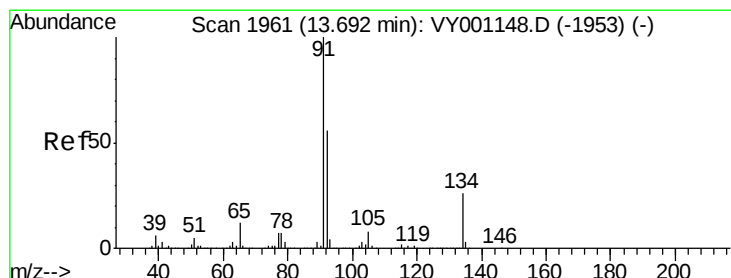
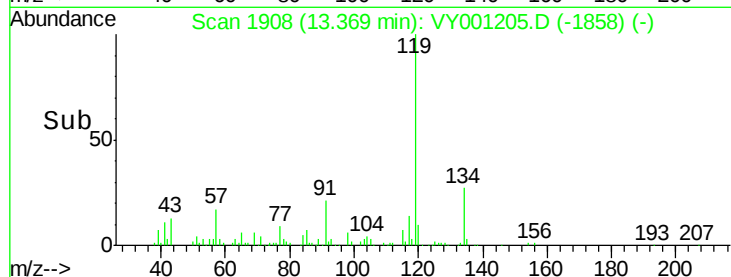
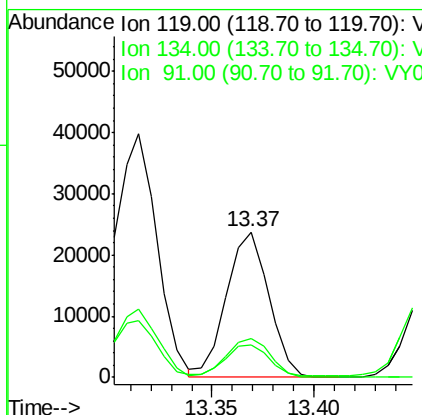
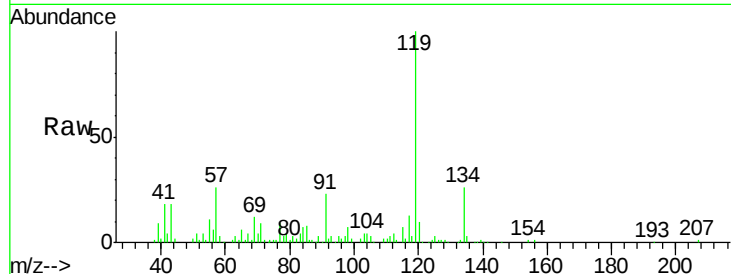




#86
p-Isopropyltoluene
Concen: 4.333 ug/l
RT: 13.37 min Scan# 1908
Delta R.T. 0.01 min
Lab File: VY001205.D
Acq: 14 Jan 2020 15:51

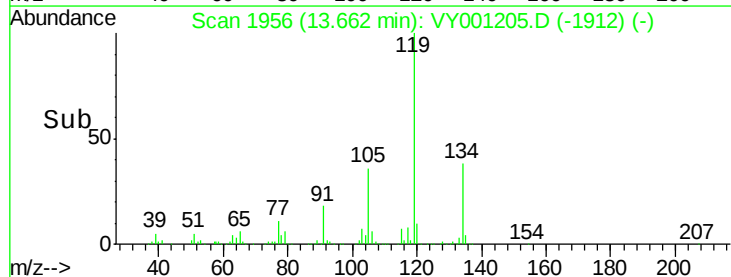
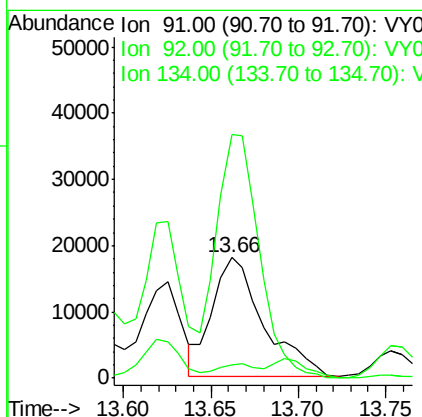
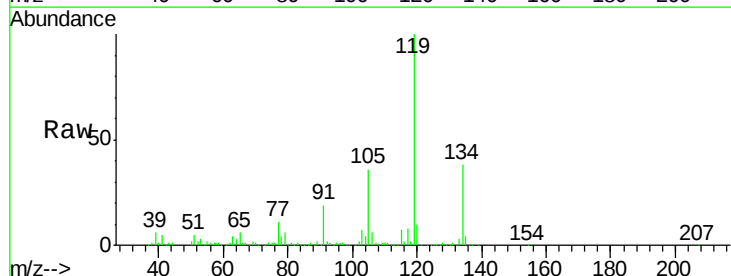
Instrument :
MSVOA_Y
ClientSampled :
HR-05-011420

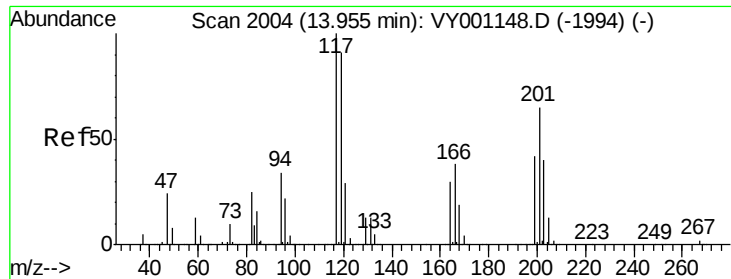
Tgt Ion: 119 Resp: 34391
Ion Ratio Lower Upper
119 100
134 27.4 13.4 40.2
91 21.9 12.4 37.2



#89
n-Butylbenzene
Concen: 4.606 ug/l
RT: 13.66 min Scan# 1956
Delta R.T. -0.03 min
Lab File: VY001205.D
Acq: 14 Jan 2020 15:51

Tgt Ion: 91 Resp: 36825
Ion Ratio Lower Upper
91 100
92 9.5 27.7 83.1#
134 168.2 12.9 38.6#





#90

Hexachloroethane

Concen: 7.723 ug/l

RT: 13.97 min Scan# 2007

Delta R.T. 0.02 min

Lab File: VY001205.D

Acq: 14 Jan 2020 15:51

Instrument :

MSVOA_Y

ClientSampleId :

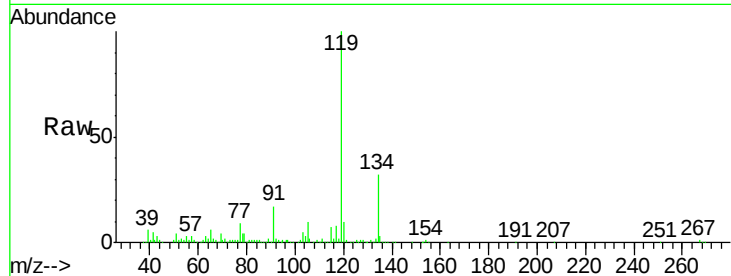
HR-05-011420

Tgt Ion: 117 Resp: 11979

Ion Ratio Lower Upper

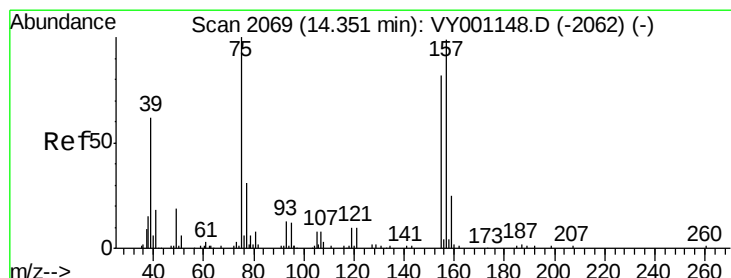
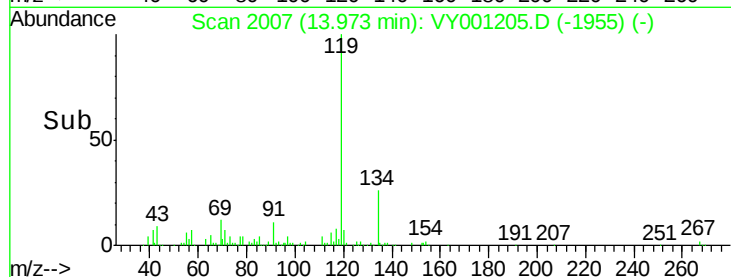
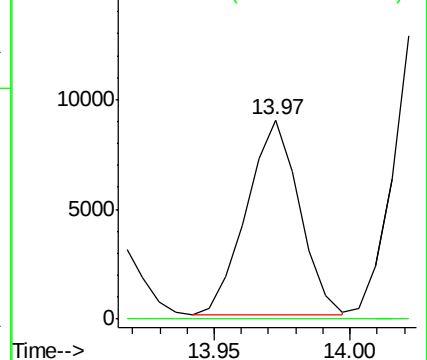
117 100

201 0.0 35.4 106.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.221 ug/l

RT: 14.33 min Scan# 2066

Delta R.T. -0.02 min

Lab File: VY001205.D

Acq: 14 Jan 2020 15:51

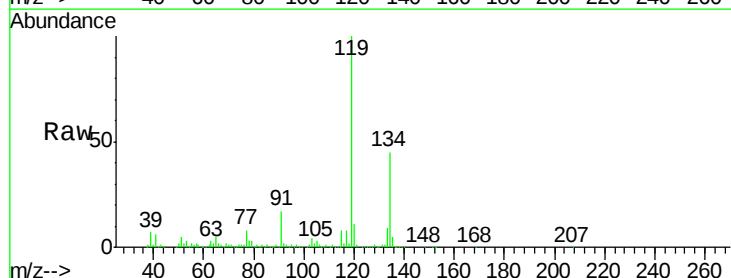
Tgt Ion: 75 Resp: 1108

Ion Ratio Lower Upper

75 100

155 6.8 41.2 123.6#

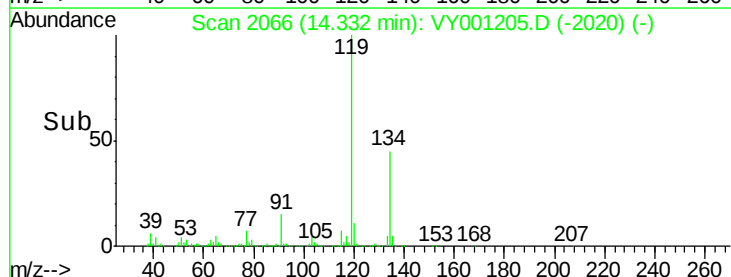
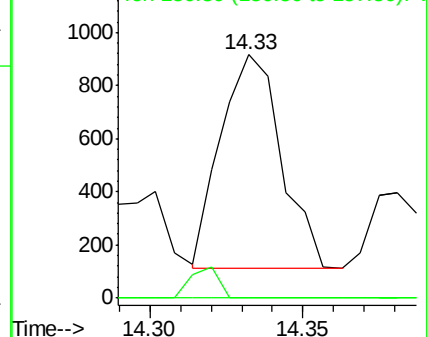
157 0.0 52.8 158.4#

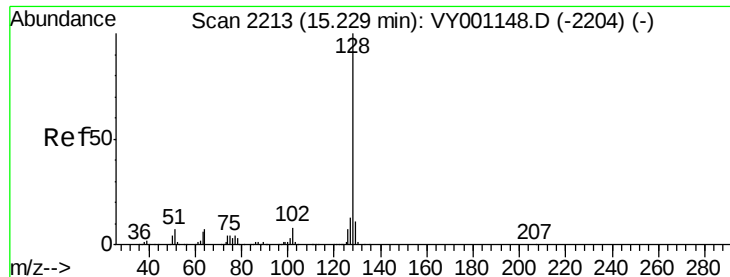


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95
Naphthalene
Concen: 1.100 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY001205.D
Acq: 14 Jan 2020 15:51

Instrument :
MSVOA_Y
ClientSampleId :
HR-05-011420

Tgt Ion:128 Resp: 5938
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.5 12.7#

