

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020720\
 Data File : VY001567.D
 Acq On : 07 Feb 2020 20:06
 Operator : SY/MD
 Sample : L1472-05
 Misc : 7.85G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5

Quant Time: Feb 14 17:27:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

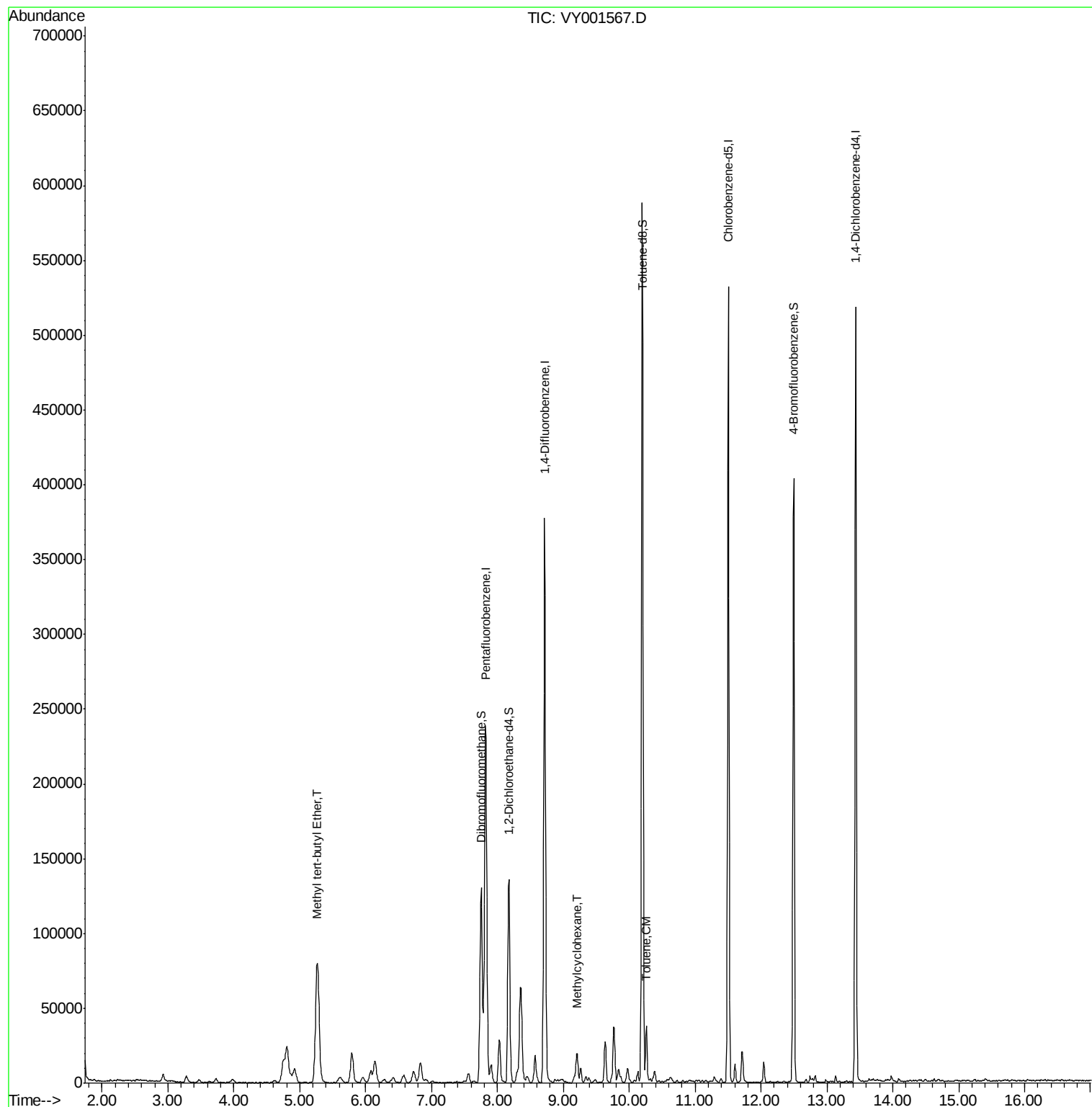
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	177421	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.72	114	317625	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	282150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	129147	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	103046	57.68	ug/l	0.01
Spiked Amount 50.000			Recovery	=	115.36%	
35) Dibromofluoromethane	7.75	113	91869	50.16	ug/l	0.01
Spiked Amount 50.000			Recovery	=	100.32%	
50) Toluene-d8	10.20	98	381723	55.09	ug/l	0.01
Spiked Amount 50.000			Recovery	=	110.18%	
62) 4-Bromofluorobenzene	12.50	95	129822	47.56	ug/l	0.01
Spiked Amount 50.000			Recovery	=	95.12%	
Target Compounds						
19) Methyl tert-butyl Ether	5.27	73	124703	25.138	ug/l #	72
39) Methylcyclohexane	9.20	83	4582	1.198	ug/l	96
52) Toluene	10.26	92	15700	2.986	ug/l	99

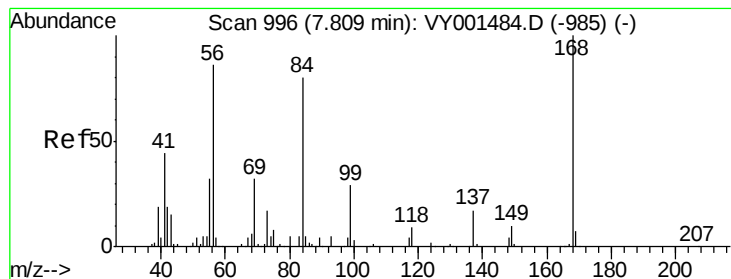
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.02 min

Lab File: VY001567.D

Acq: 07 Feb 2020 20:06

Instrument :

MSVOA_Y

ClientSampled :

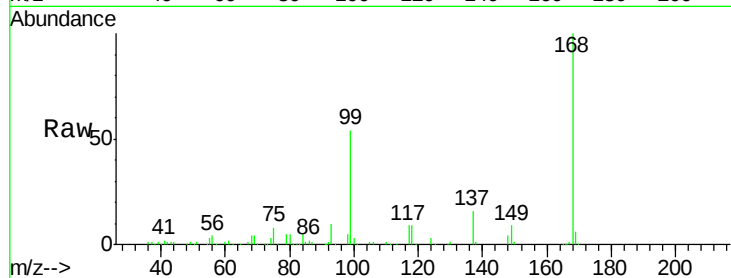
TP-5

Tot Ion:168 Resp: 177421

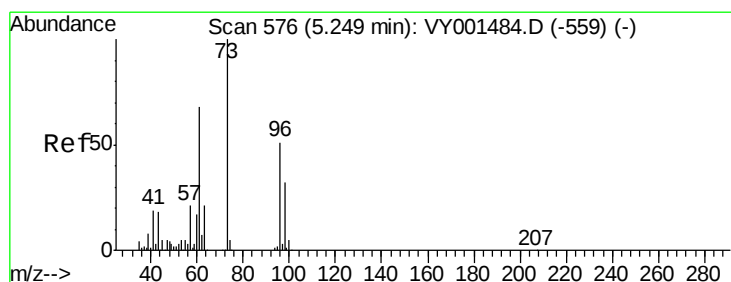
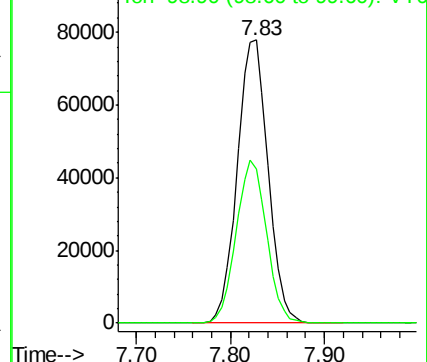
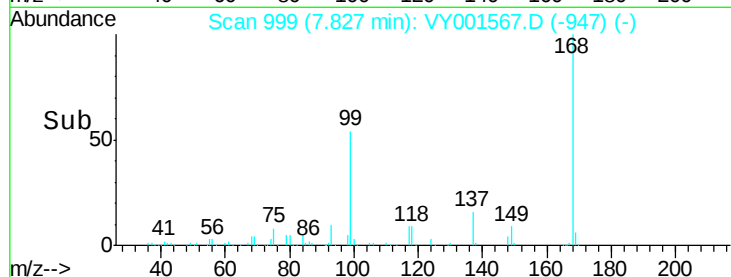
Ion Ratio Lower Upper

168 100

99 54.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001567.D (-947) (-)



#19

Methyl tert-butyl Ether

Concen: 25.138 ug/l

RT: 5.27 min Scan# 579

Delta R.T. 0.02 min

Lab File: VY001567.D

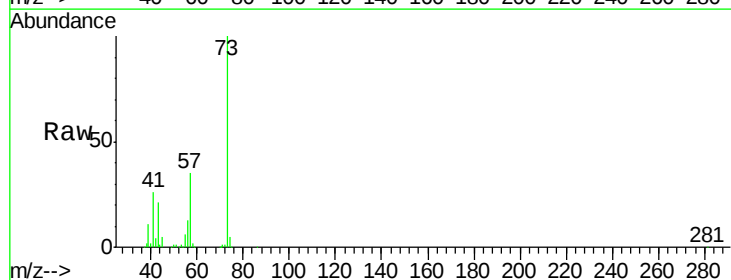
Acq: 07 Feb 2020 20:06

Tgt Ion: 73 Resp: 124703

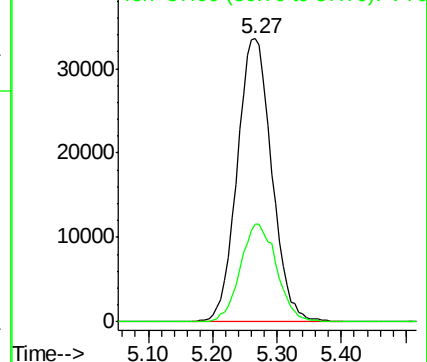
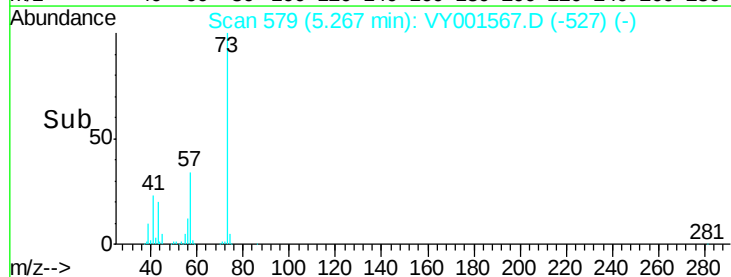
Ion Ratio Lower Upper

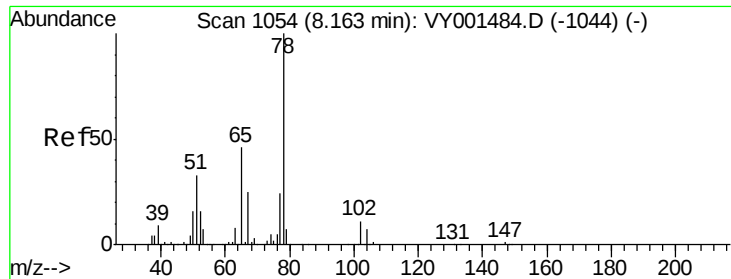
73 100

57 34.6 17.0 25.6#



Abundance Ion 73.00 (72.70 to 73.70): VY001567.D (-527) (-)





#33

1,2-Dichloroethane-d4

Concen: 57.685 ug/l

RT: 8.17 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY001567.D

Acq: 07 Feb 2020 20:06

Instrument :

MSVOA_Y

ClientSampled :

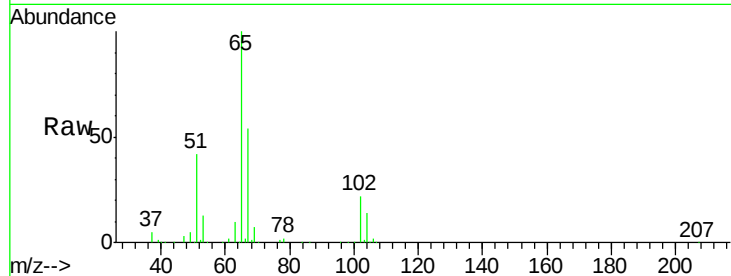
TP-5

Tot Ion: 65 Resp: 103046

Ion Ratio Lower Upper

65 100

67 53.3 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY001484.D (-1044) (-)

Ion 66.90 (66.60 to 67.60): VY001484.D (-1044) (-)

8.17

50000

40000

30000

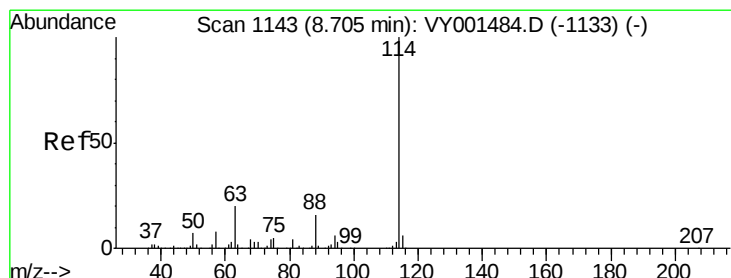
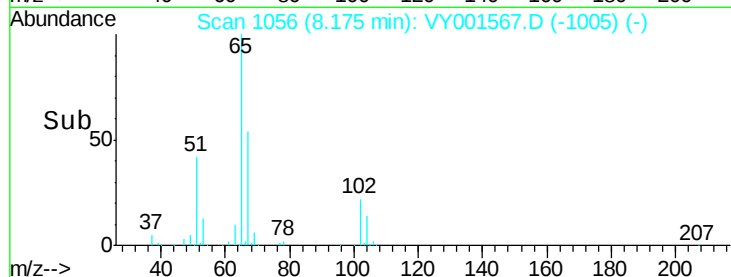
20000

10000

0

8.10 8.20 8.30

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY001567.D

Acq: 07 Feb 2020 20:06

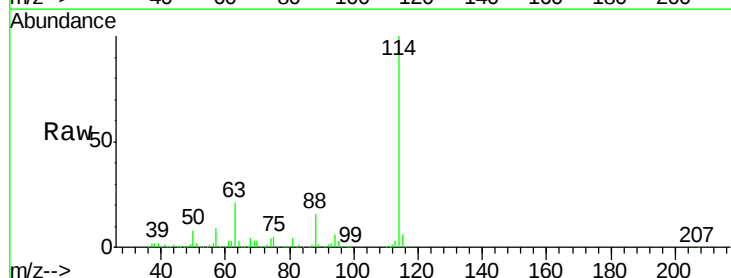
Tgt Ion: 114 Resp: 317625

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.8

88 15.9 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): VY001484.D (-1133) (-)

Ion 63.00 (62.70 to 63.70): VY001484.D (-1133) (-)

Ion 87.90 (87.60 to 88.60): VY001484.D (-1133) (-)

8.72

200000

150000

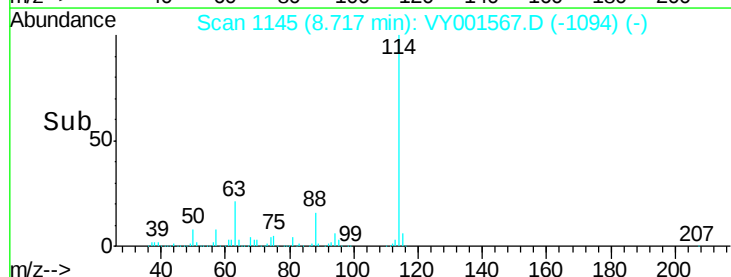
100000

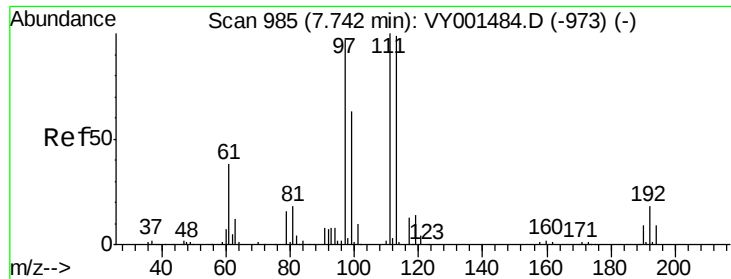
50000

0

8.60 8.70 8.80

Time-->

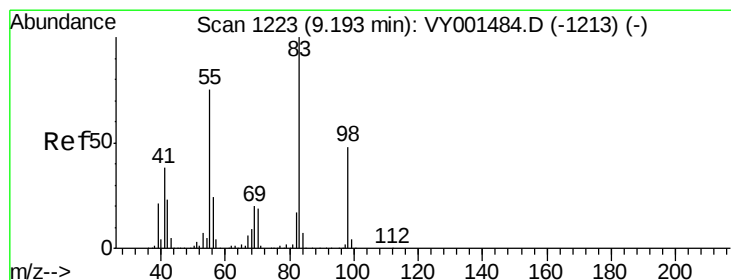
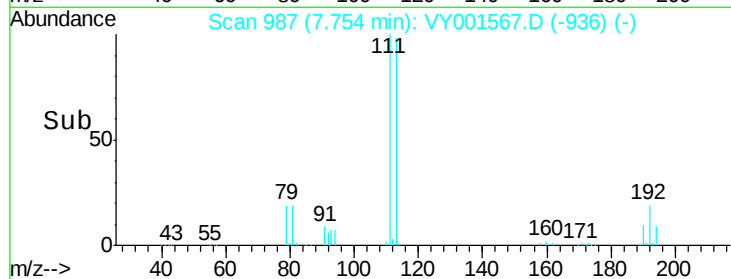
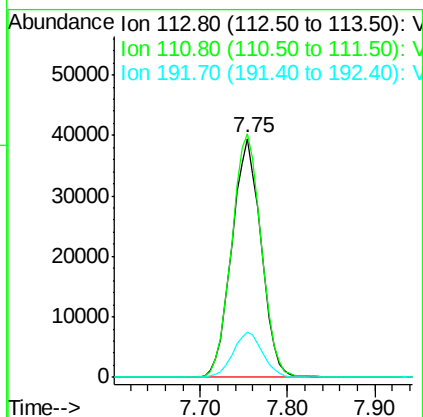
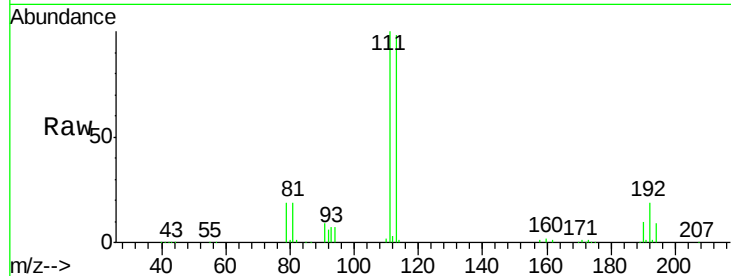




#35
Dibromofluoromethane
Concen: 50.158 ug/l
RT: 7.75 min Scan# 987
Delta R.T. 0.01 min
Lab File: VY001567.D
Acq: 07 Feb 2020 20:06

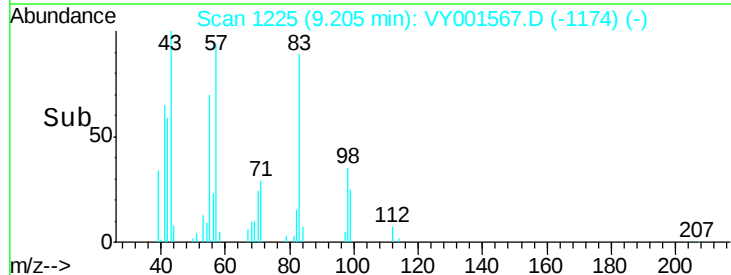
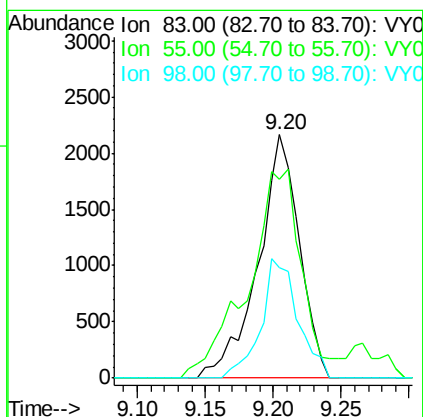
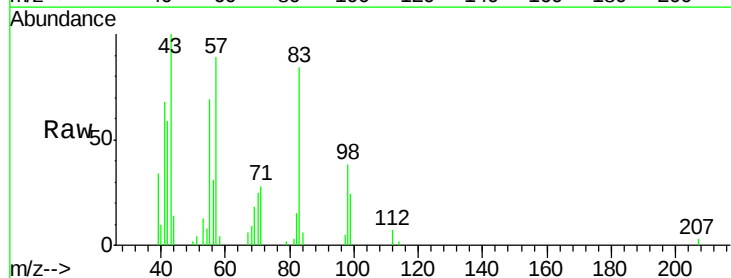
Instrument :
MSVOA_Y
ClientSampled :
TP-5

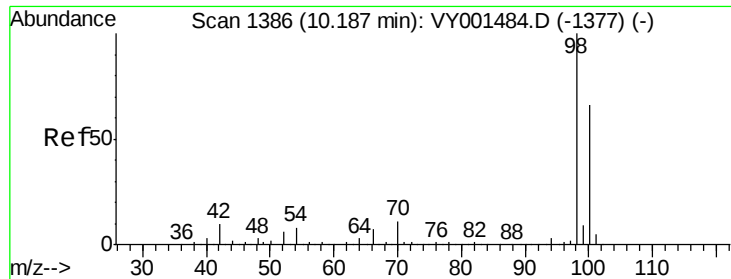
Tot Ion:113 Resp: 91869
Ion Ratio Lower Upper
113 100
111 103.4 82.9 124.3
192 19.0 14.6 22.0



#39
Methylcyclohexane
Concen: 1.198 ug/l
RT: 9.20 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001567.D
Acq: 07 Feb 2020 20:06

Tgt Ion: 83 Resp: 4582
Ion Ratio Lower Upper
83 100
55 78.0 59.8 89.6
98 45.5 38.6 57.8

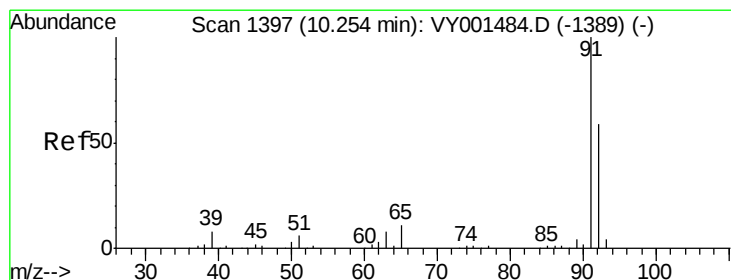
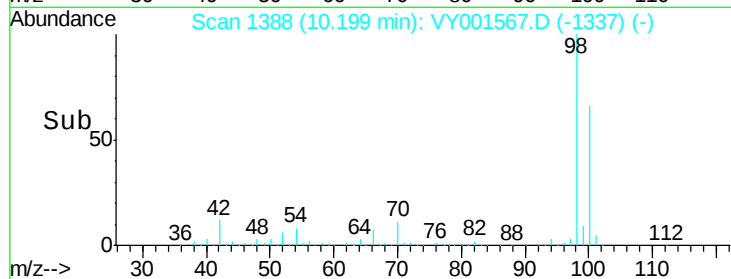
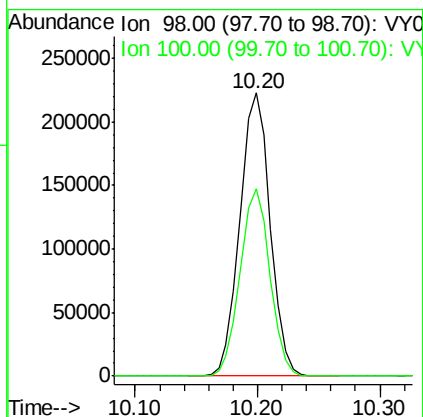
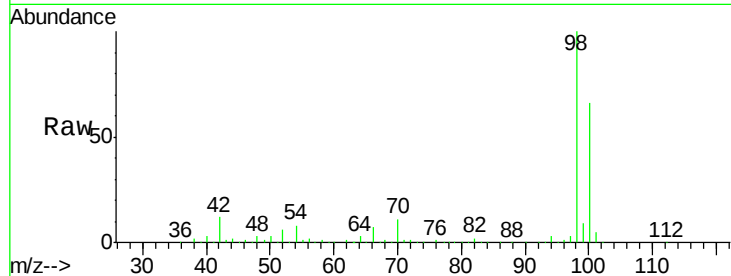




#50
Toluene-d8
Concen: 55.085 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001567.D
Acq: 07 Feb 2020 20:06

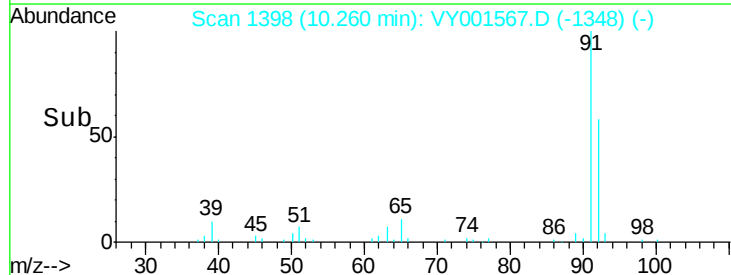
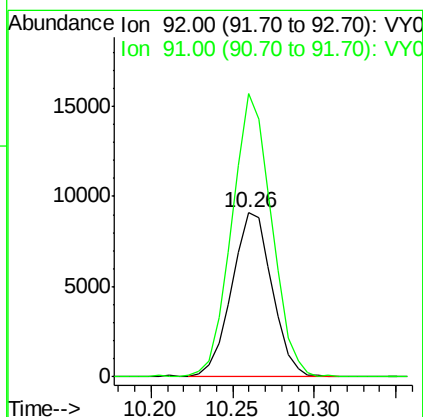
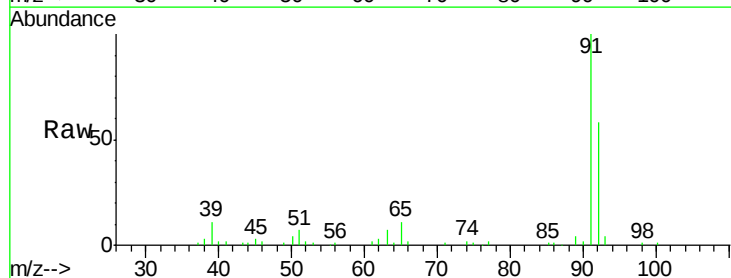
Instrument :
MSVOA_Y
ClientSampled :
TP-5

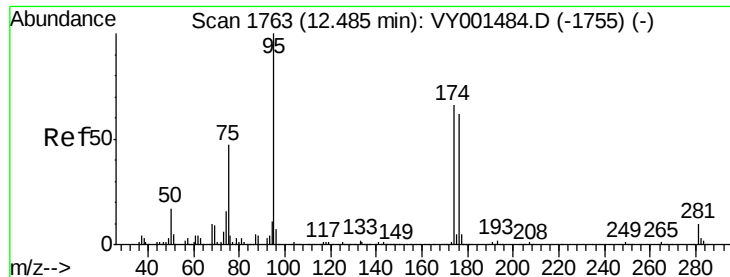
Tot Ion: 98 Resp: 381723
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.6



#52
Toluene
Concen: 2.986 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VY001567.D
Acq: 07 Feb 2020 20:06

Tgt Ion: 92 Resp: 15700
Ion Ratio Lower Upper
92 100
91 169.9 136.6 204.8

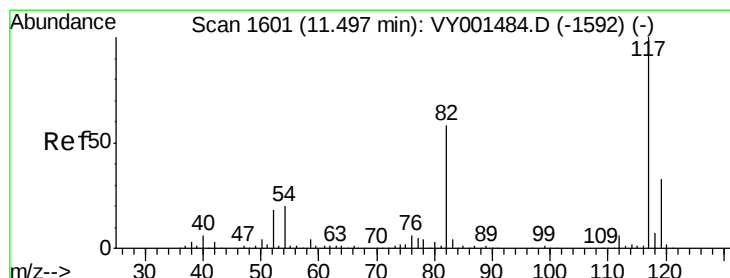
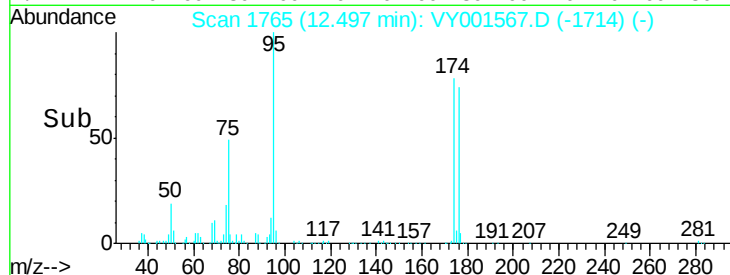
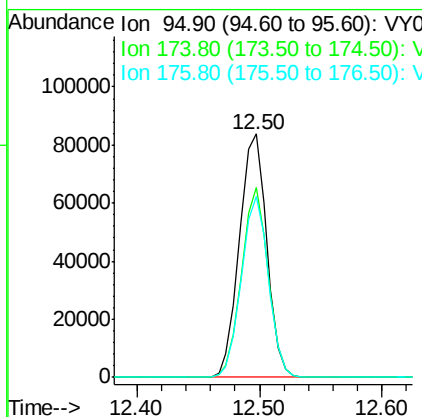
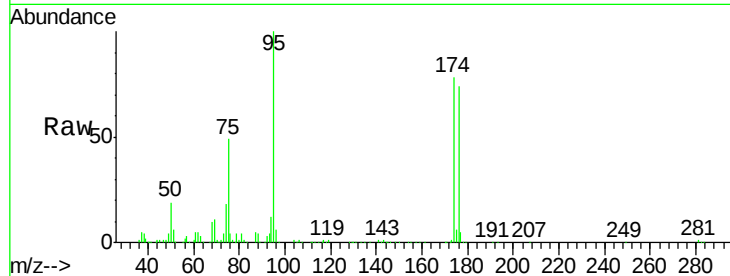




#62
4-Bromofluorobenzene
Concen: 47.555 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.01 min
Lab File: VY001567.D
Acq: 07 Feb 2020 20:06

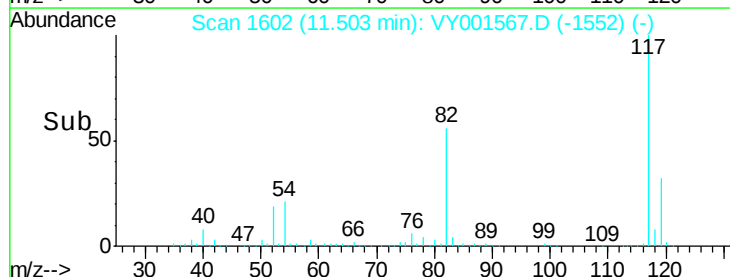
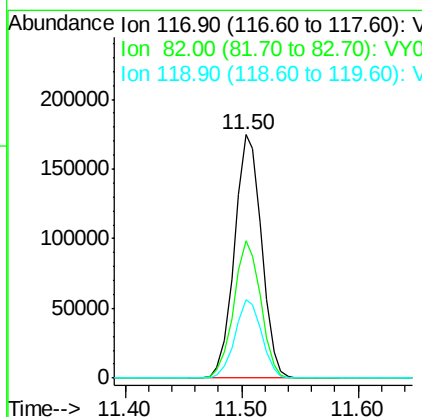
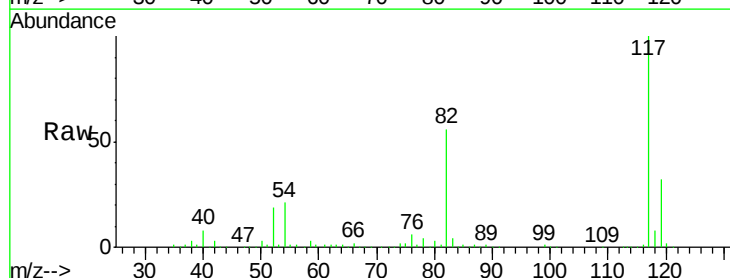
Instrument :
MSVOA_Y
ClientSampled :
TP-5

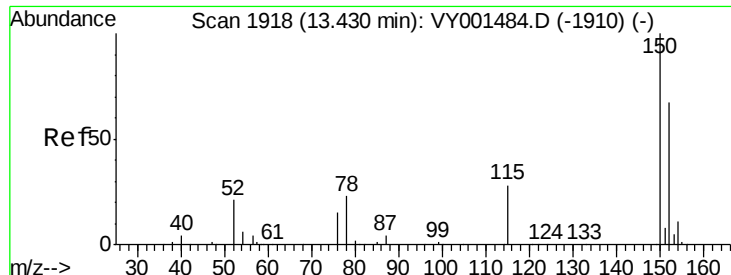
Tot Ion: 95 Resp: 129822
Ion Ratio Lower Upper
95 100
174 75.7 0.0 141.4
176 73.1 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001567.D
Acq: 07 Feb 2020 20:06

Tgt Ion: 117 Resp: 282150
Ion Ratio Lower Upper
117 100
82 56.3 46.1 69.1
119 32.3 26.1 39.1





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.01 min
 Lab File: VY001567.D
 Acq: 07 Feb 2020 20:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.9	31.4	94.3
150	157.0	0.0	346.8

