

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010470.D
 Acq On : 21 May 2019 01:54
 Operator : SY/VA
 Sample : K2943-18
 Misc : 6.72G/5ML/MSVOA W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DB-1-4FT

Quant Time: May 21 07:25:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

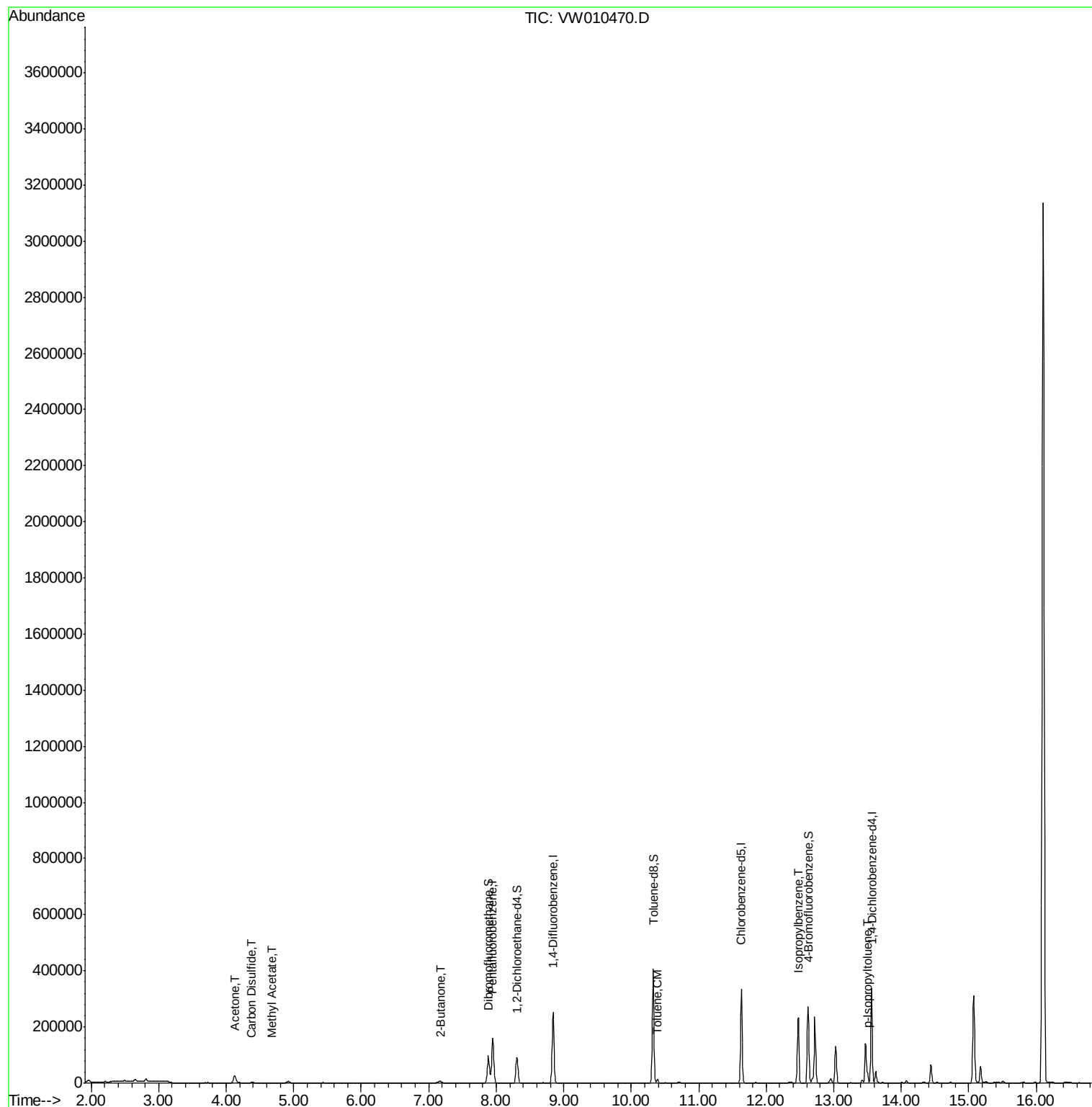
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	117261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	225971	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	195869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	85494	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	72084	59.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.12%	
35) Dibromofluoromethane	7.88	113	71393	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
50) Toluene-d8	10.32	98	275711	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
62) 4-Bromofluorobenzene	12.62	95	101092	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
Target Compounds						
16) Acetone	4.12	43	46522	188.306	ug/l	99
17) Carbon Disulfide	4.37	76	3971	1.075	ug/l	100
18) Methyl Acetate	4.68	43	2248	3.720	ug/l #	87
25) 2-Butanone	7.18	43	7879	22.285	ug/l	94
52) Toluene	10.39	92	6471	1.647	ug/l	98
73) Isopropylbenzene	12.48	105	10829	1.596	ug/l #	57
86) p-Isopropyltoluene	13.50	119	19487	3.065	ug/l #	77

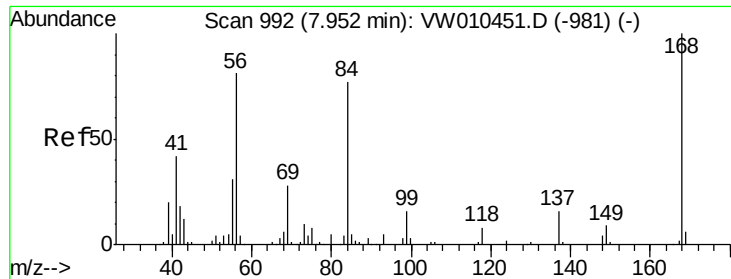
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010470.D

Acq: 21 May 2019 01:54

Instrument :

MSVOA_W

ClientSampleId :

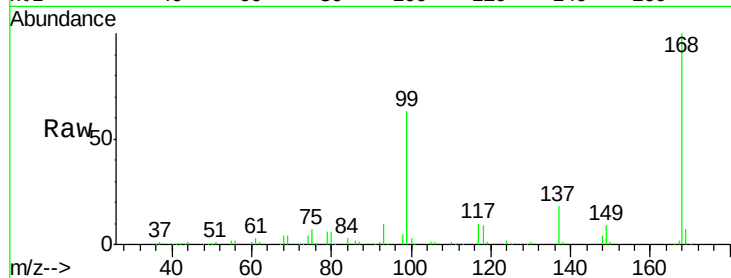
DB-1-4FT

Tot Ion:168 Resp: 117261

Ion Ratio Lower Upper

168 100

99 62.6 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

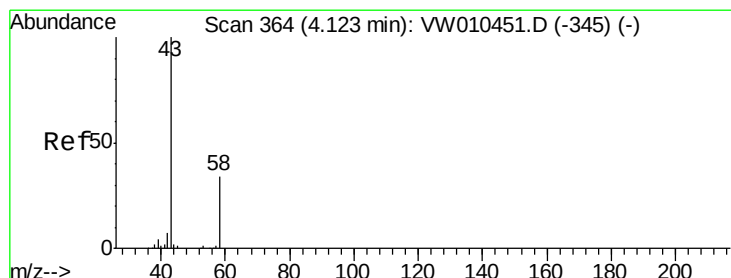
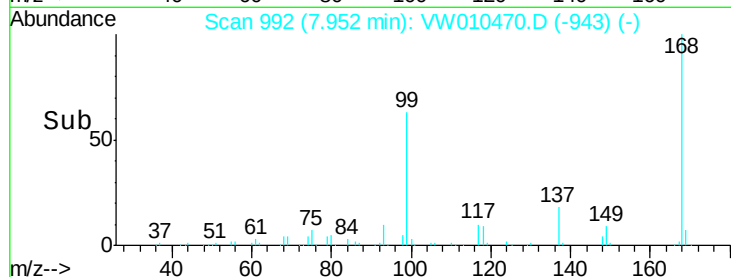
30000

20000

10000

0

Time-->



#16

Acetone

Concen: 188.306 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010470.D

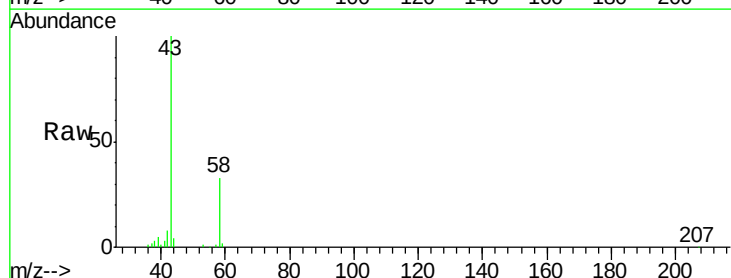
Acq: 21 May 2019 01:54

Tgt Ion: 43 Resp: 46522

Ion Ratio Lower Upper

43 100

58 33.1 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

20000

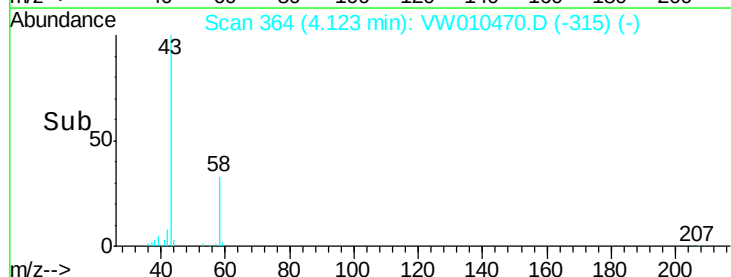
15000

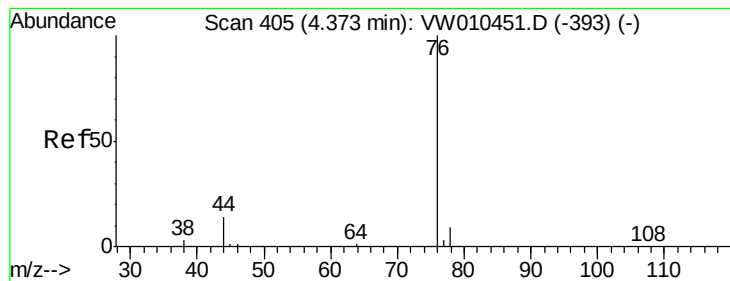
10000

5000

0

Time-->





#17

Carbon Disulfide

Concen: 1.075 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW010470.D

Acq: 21 May 2019 01:54

Instrument :

MSVOA_W

ClientSampled :

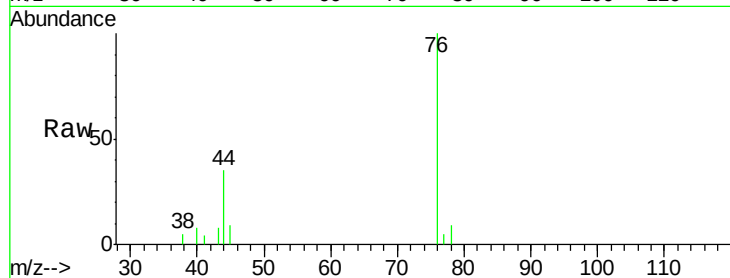
DB-1-4FT

Tot Ion: 76 Resp: 3971

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

1500

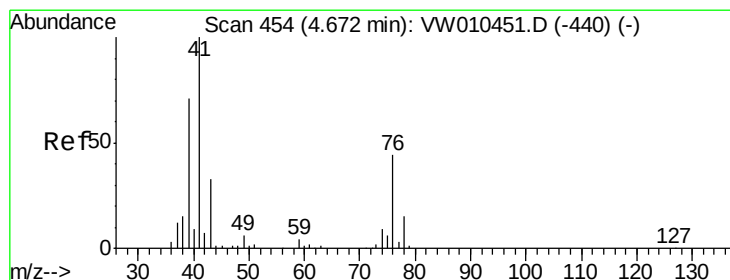
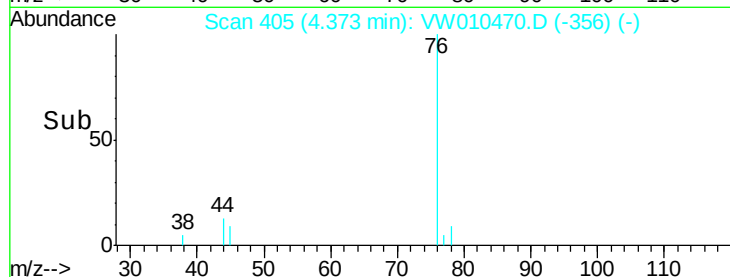
1000

500

0

4.30 4.35 4.40 4.45

Time-->



#18

Methyl Acetate

Concen: 3.720 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW010470.D

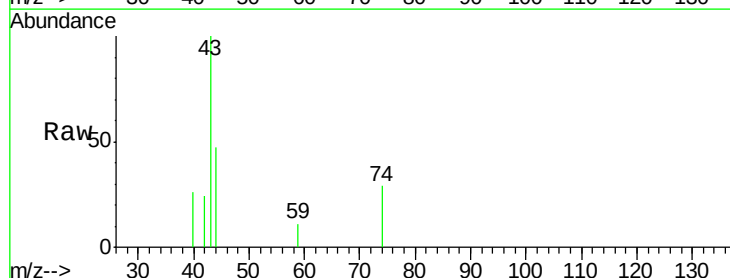
Acq: 21 May 2019 01:54

Tgt Ion: 43 Resp: 2248

Ion Ratio Lower Upper

43 100

74 20.1 21.6 32.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

600

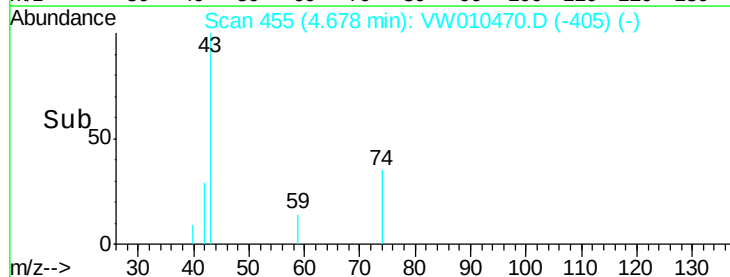
400

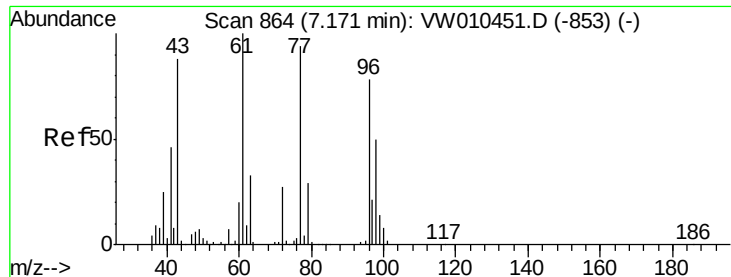
200

0

4.60 4.70 4.80

Time-->





#25

2-Butanone

Concen: 22.285 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010470.D

Acq: 21 May 2019 01:54

Instrument :

MSVOA_W

ClientSampleId :

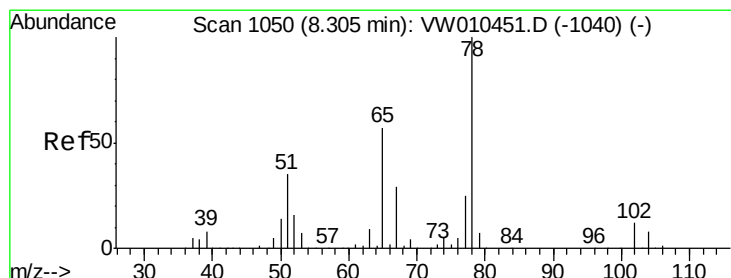
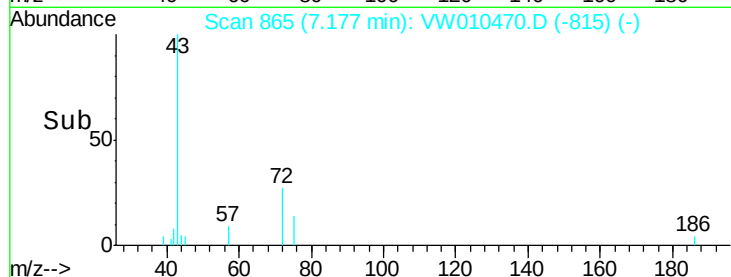
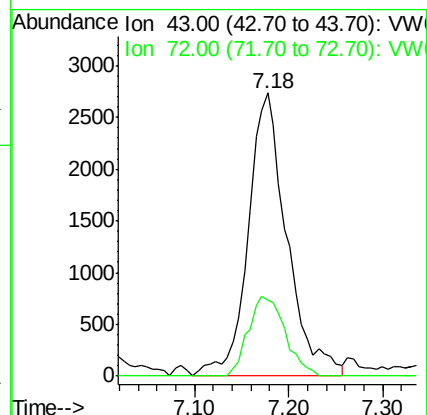
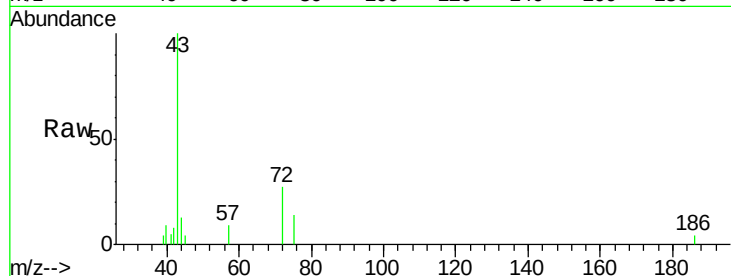
DB-1-4FT

Tot Ion: 43 Resp: 7879

Ion Ratio Lower Upper

43 100

72 26.8 24.1 36.1



#33

1,2-Dichloroethane-d4

Concen: 59.557 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010470.D

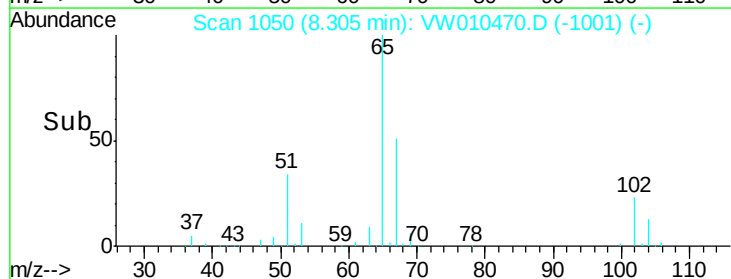
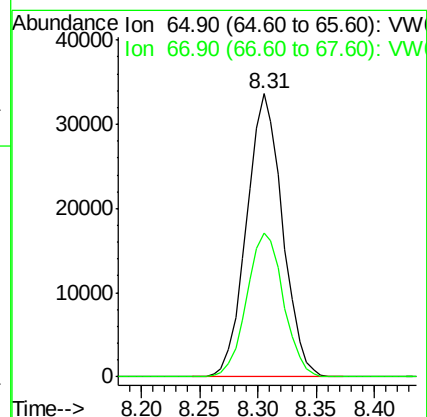
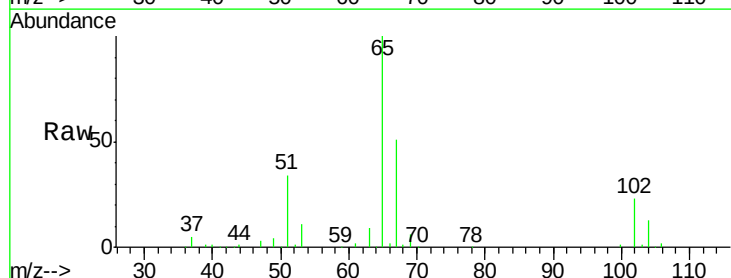
Acq: 21 May 2019 01:54

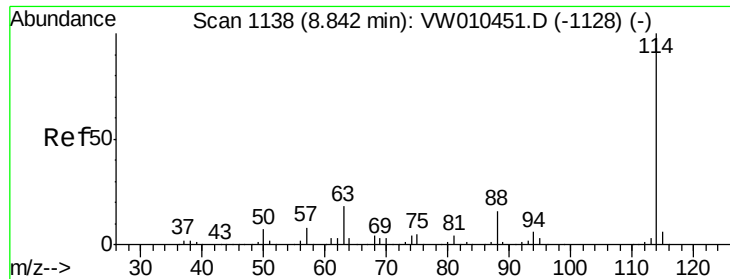
Tgt Ion: 65 Resp: 72084

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.6

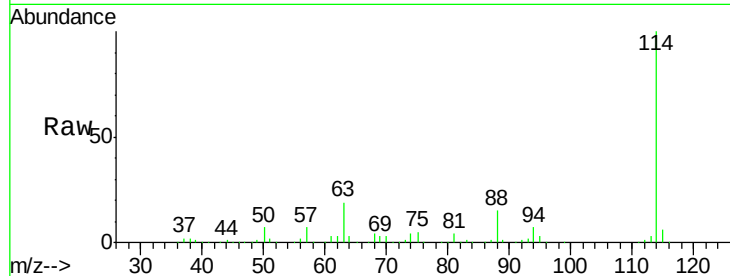




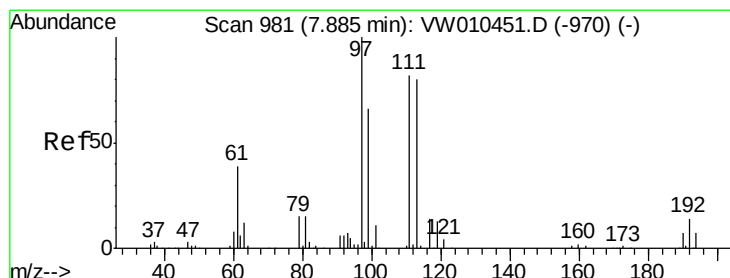
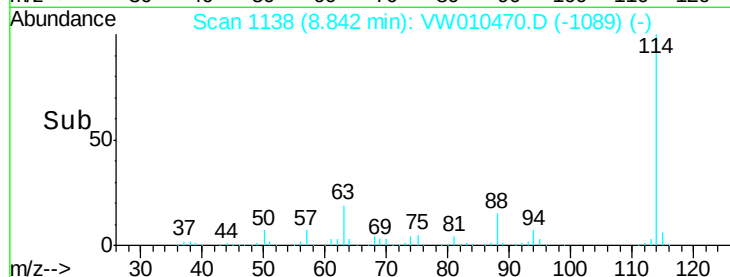
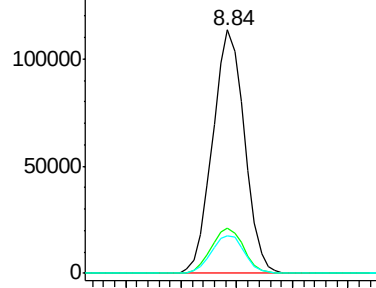
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW010470.D
Acq: 21 May 2019 01:54

Instrument :
MSVOA_W
ClientSampleId :
DB-1-4FT

Tot Ion:114 Resp: 225971
Ion Ratio Lower Upper
114 100
63 18.6 0.0 36.0
88 15.4 0.0 32.0

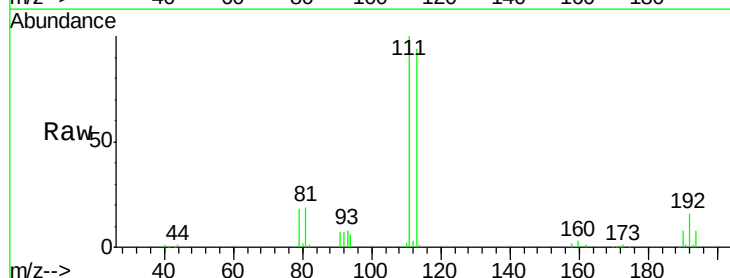


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

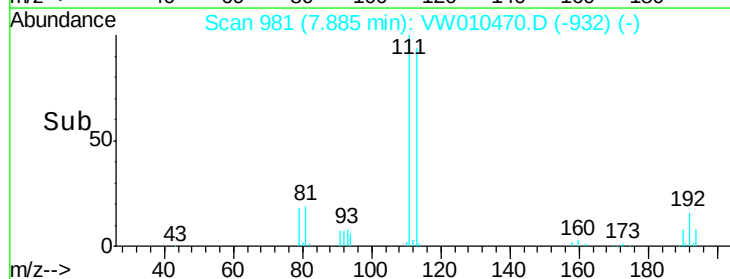
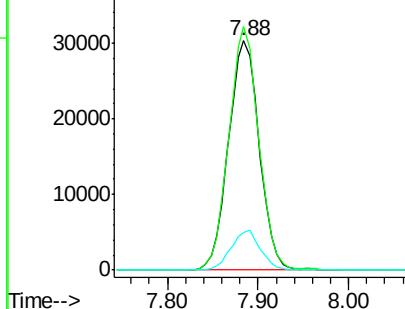


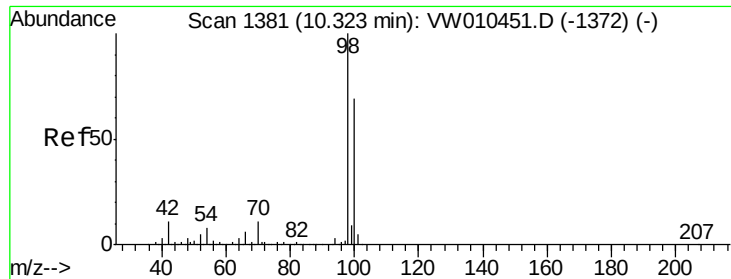
#35
Dibromofluoromethane
Concen: 52.068 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW010470.D
Acq: 21 May 2019 01:54

Tgt Ion:113 Resp: 71393
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.4
192 16.6 14.3 21.5



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

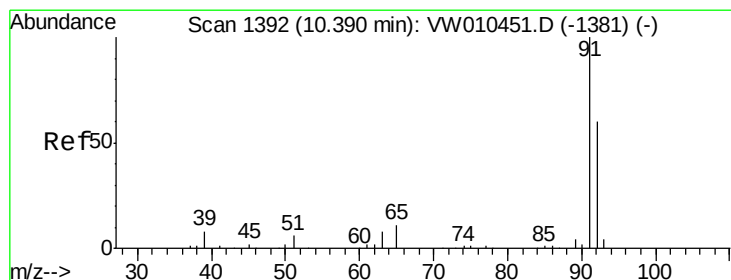
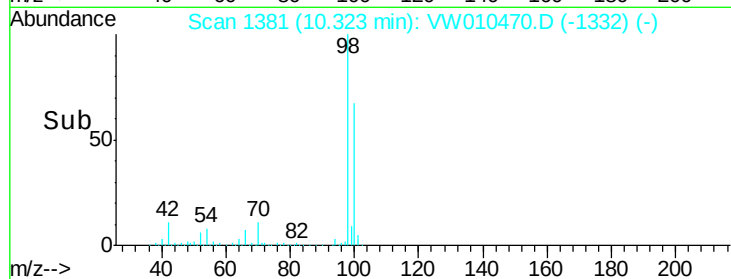
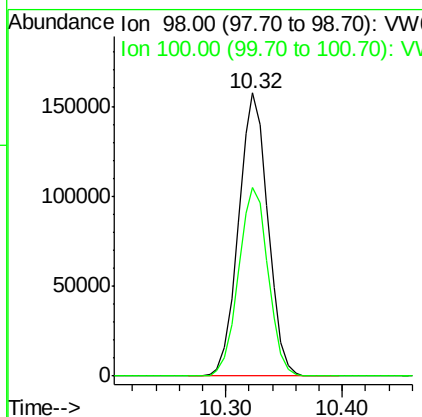
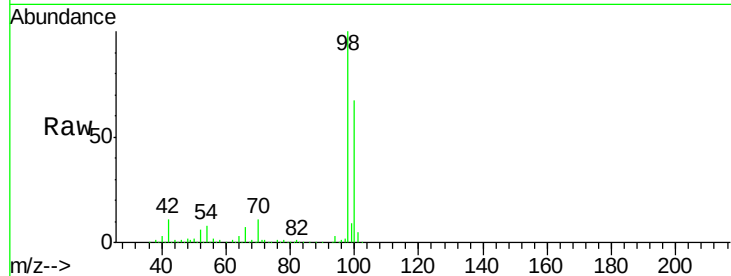




#50
Toluene-d8
Concen: 52.636 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010470.D
Acq: 21 May 2019 01:54

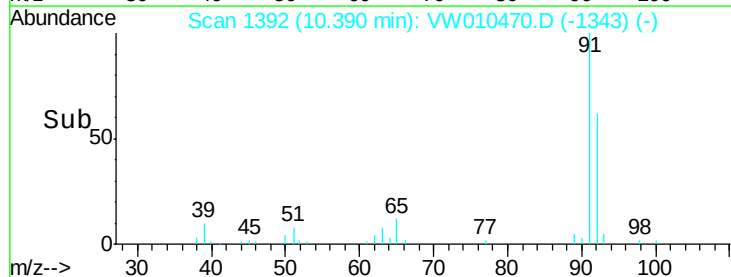
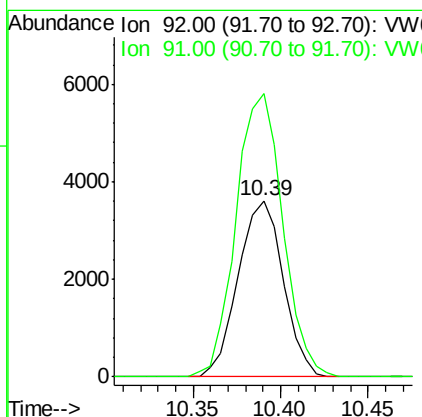
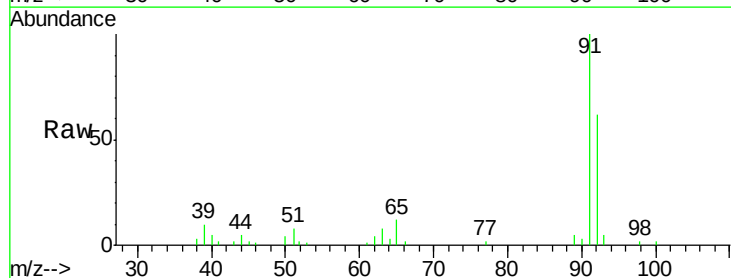
Instrument :
MSVOA_W
ClientSampleId :
DB-1-4FT

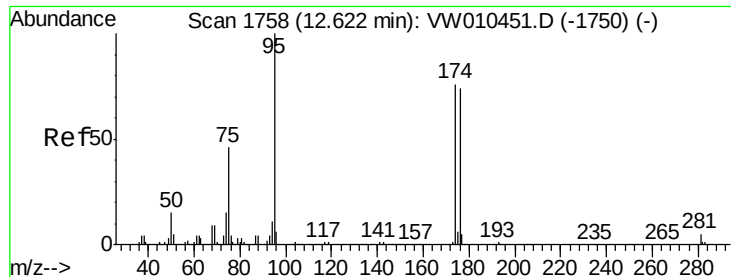
Tot Ion: 98 Resp: 275711
Ion Ratio Lower Upper
98 100
100 67.3 53.7 80.5



#52
Toluene
Concen: 1.647 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW010470.D
Acq: 21 May 2019 01:54

Tgt Ion: 92 Resp: 6471
Ion Ratio Lower Upper
92 100
91 166.6 135.4 203.0

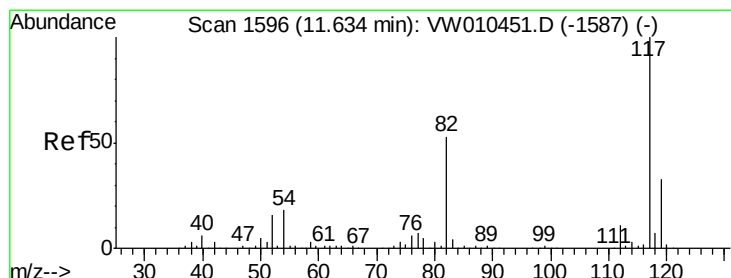
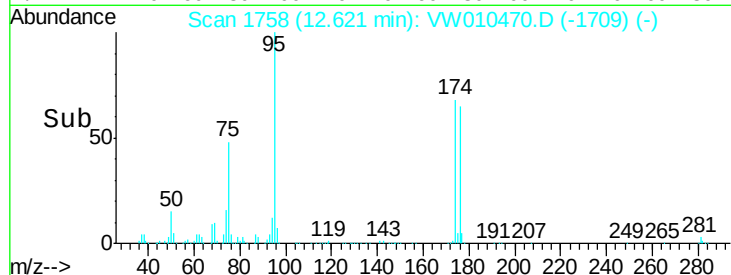
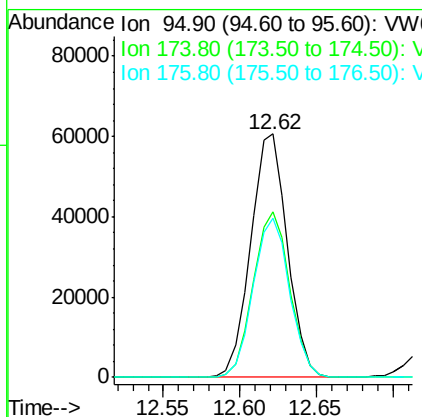
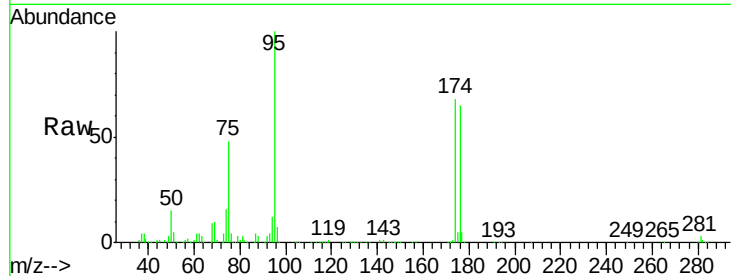




#62
4-Bromofluorobenzene
Concen: 48.452 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010470.D
Acq: 21 May 2019 01:54

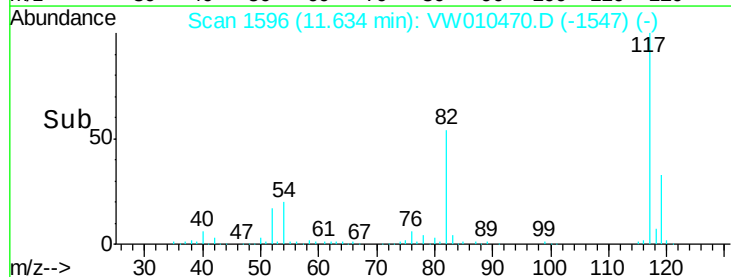
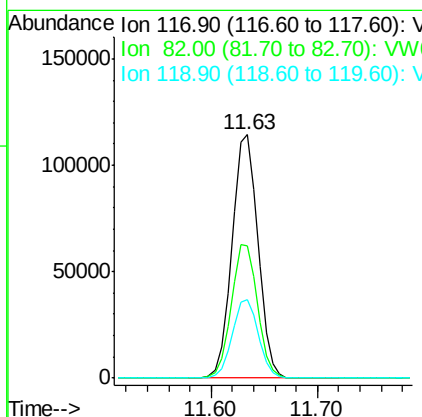
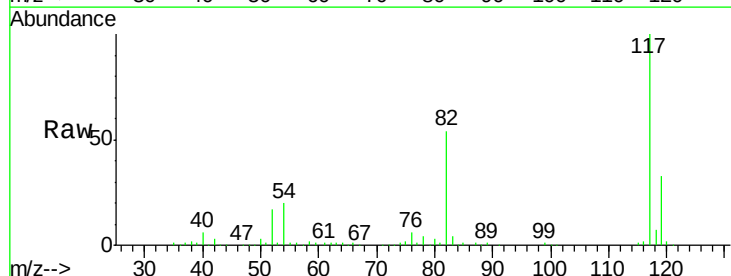
Instrument :
MSVOA_W
ClientSampleId :
DB-1-4FT

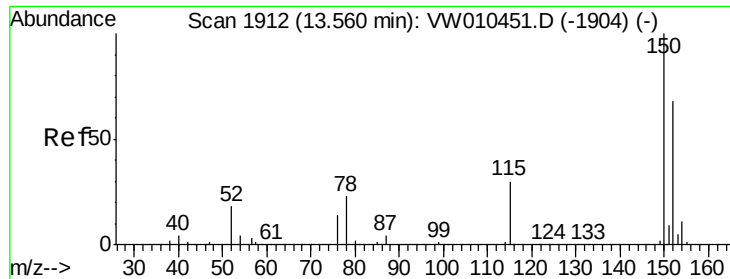
Tot Ion	95	Resp	101092
Ion Ratio	Lower	Upper	
95	100		
174	68.0	0.0	148.6
176	65.2	0.0	144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010470.D
Acq: 21 May 2019 01:54

Tgt Ion	117	Resp	195869
Ion Ratio	Lower	Upper	
117	100		
82	54.3	42.8	64.2
119	32.5	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010470.D

Acq: 21 May 2019 01:54

Instrument :

MSVOA_W

ClientSampleId :

DB-1-4FT

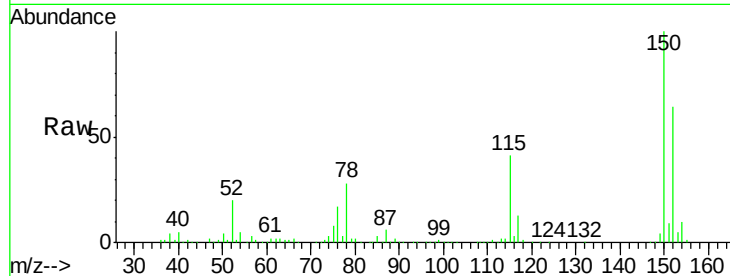
Tot Ion:152 Resp: 85494

Ion Ratio Lower Upper

152 100

115 63.7 30.3 91.0

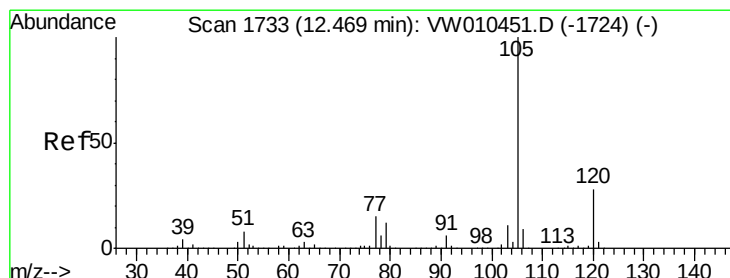
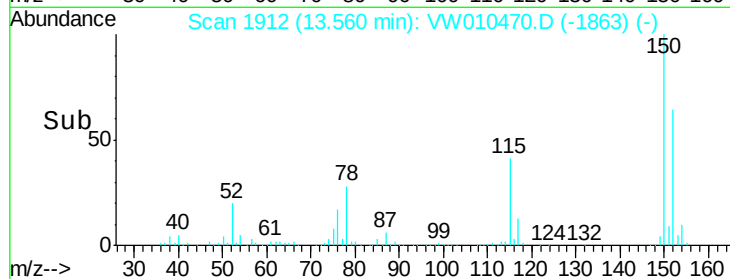
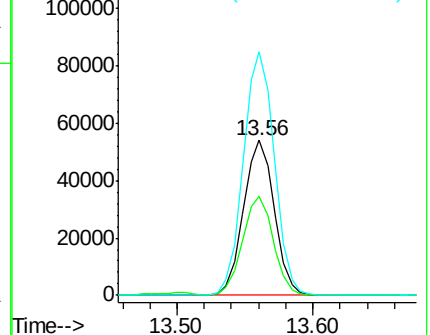
150 158.2 0.0 349.8



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



#73

Isopropylbenzene

Concen: 1.596 ug/l

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW010470.D

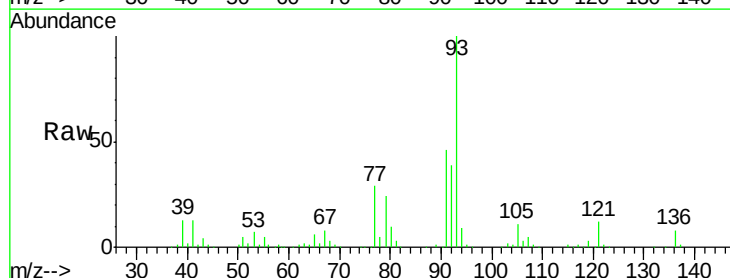
Acq: 21 May 2019 01:54

Tgt Ion:105 Resp: 10829

Ion Ratio Lower Upper

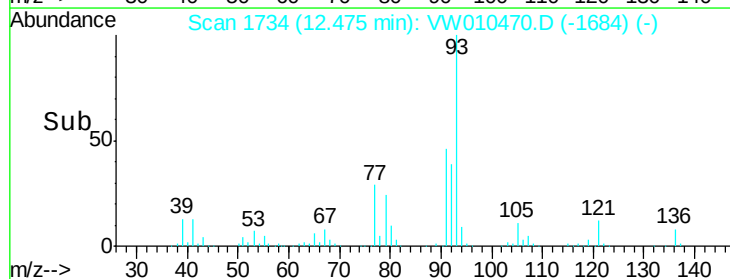
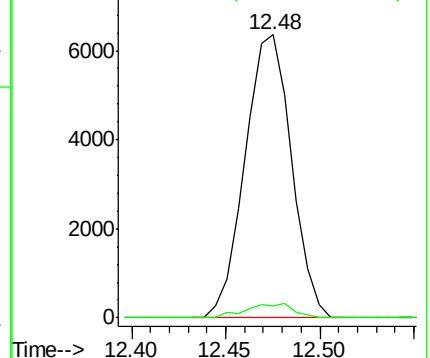
105 100

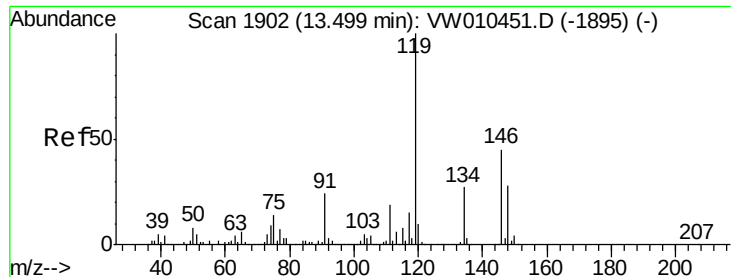
120 5.2 13.9 41.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#86

p-Isopropyltoluene

Concen: 3.065 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010470.D

Acq: 21 May 2019 01:54

Instrument :

MSVOA_W

ClientSampleId :

DB-1-4FT

Tot Ion:119 Resp: 19487

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

91 0.0 11.9 35.7#

