

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101419\
 Data File : VY000295.D
 Acq On : 14 Oct 2019 13:40
 Operator : SY/MD
 Sample : K5266-06RE
 Misc : 5.10g/5.00ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20190854-AMENDED-COMP-ARE

Quant Time: Oct 15 01:50:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

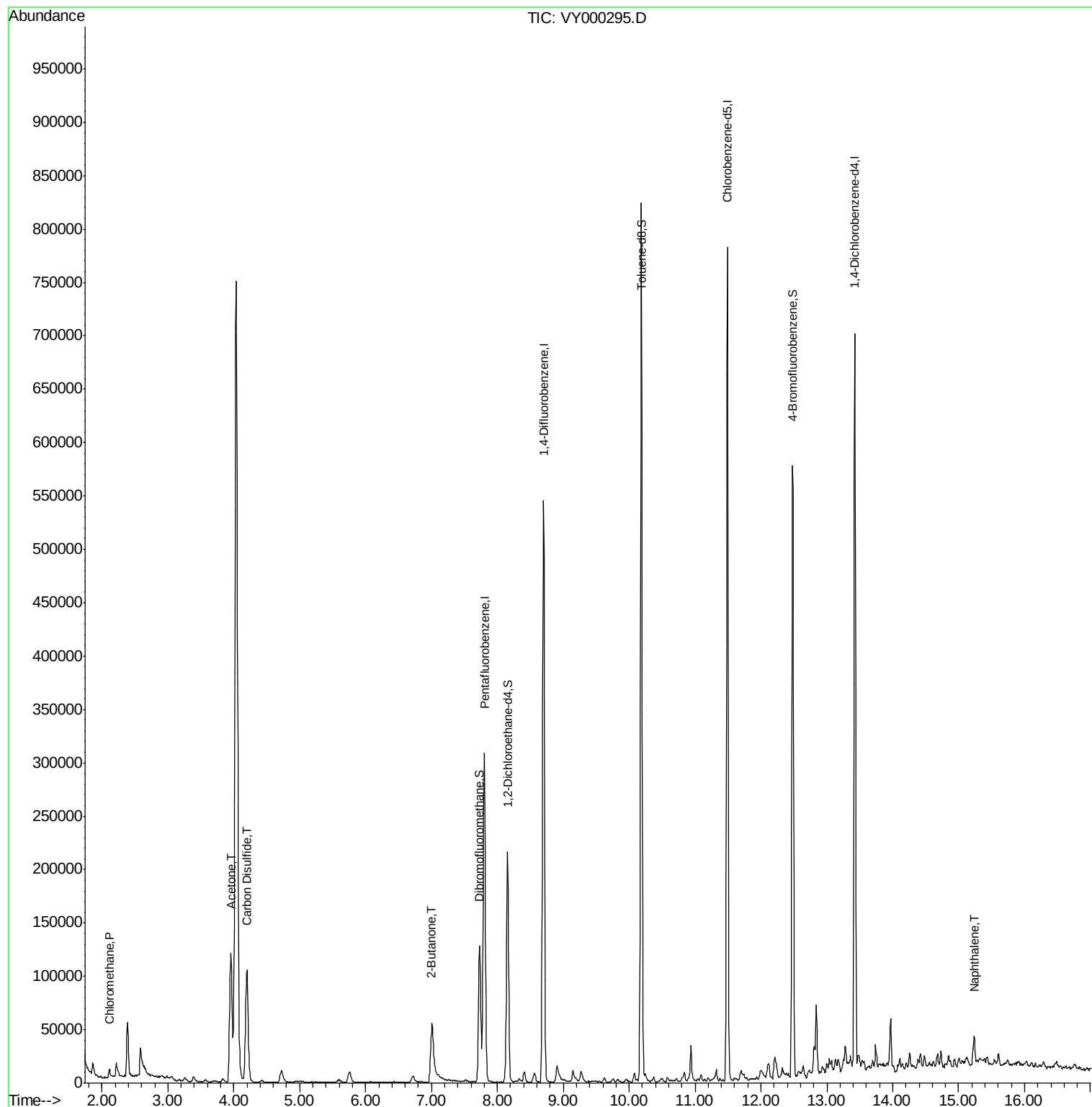
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	245854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	468111	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	401862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	167763	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	163732	63.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	126.26%	
35) Dibromofluoromethane	7.73	113	89223	31.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	63.20%	
50) Toluene-d8	10.19	98	541006	49.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.48	95	178893	43.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.70%	
Target Compounds						
3) Chloromethane	2.11	50	7134	2.375	ug/l	98
16) Acetone	3.96	43	202215	240.777	ug/l	94
17) Carbon Disulfide	4.20	76	213165	27.266	ug/l	98
25) 2-Butanone	7.00	43	58574	49.510	ug/l	94
95) Naphthalene	15.23	128	19085	2.367	ug/l	99

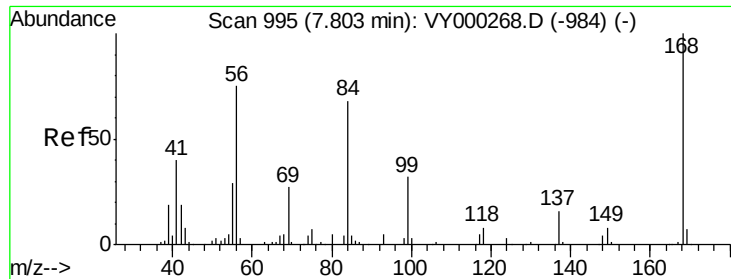
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VY000295.D
Acq On : 14 Oct 2019 13:40
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000295.D

Acq: 14 Oct 2019 13:40

Instrument :

MSVOA_Y

ClientSampleId :

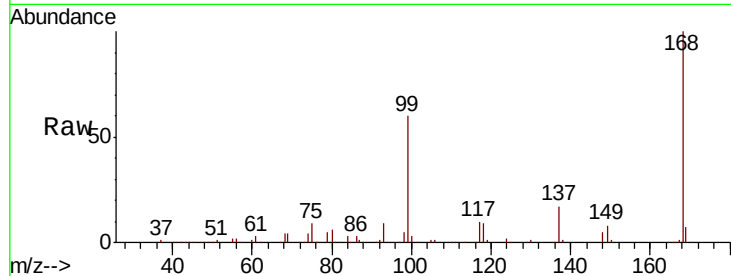
20190854-AMENDED-COMP-ARE

Tot Ion:168 Resp: 245854

Ion Ratio Lower Upper

168 100

99 59.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000268.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000295.D (-946) (-)

7.80

120000

100000

80000

60000

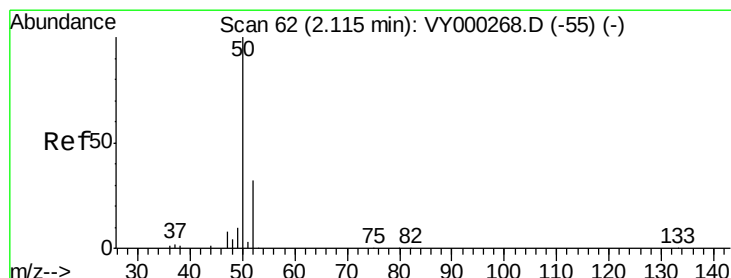
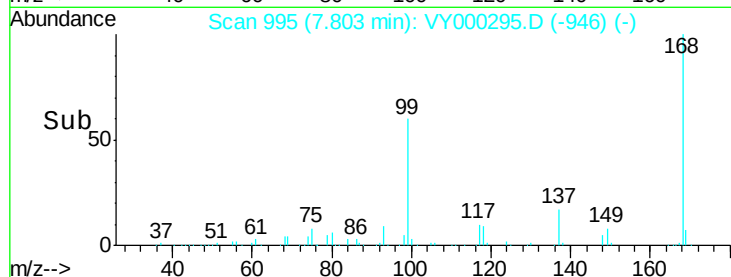
40000

20000

0

Time-->

7.70 7.80 7.90



#3

Chloromethane

Concen: 2.375 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000295.D

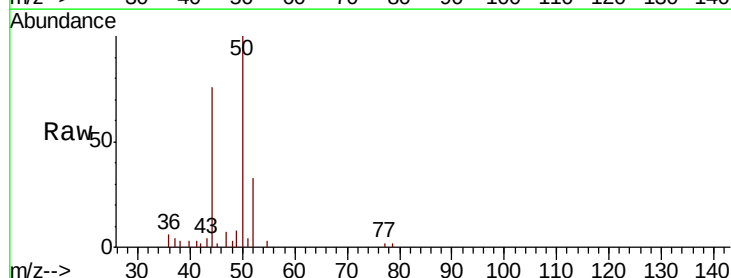
Acq: 14 Oct 2019 13:40

Tgt Ion: 50 Resp: 7134

Ion Ratio Lower Upper

50 100

52 32.6 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VY000268.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY000295.D (-13) (-)

2.11

5000

4000

3000

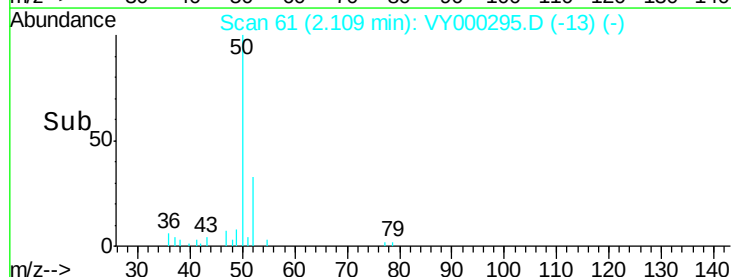
2000

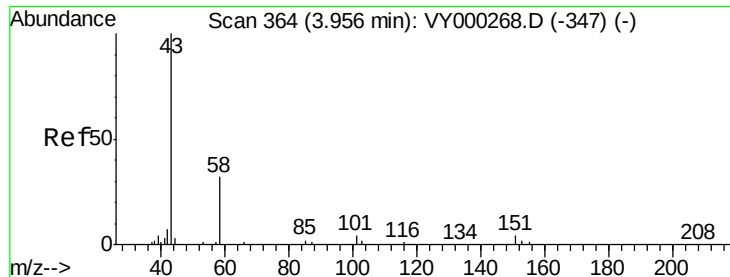
1000

0

Time-->

2.05 2.10 2.15





#16

Acetone

Concen: 240.777 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY000295.D

Acq: 14 Oct 2019 13:40

Instrument :

MSVOA_Y

ClientSampleId :

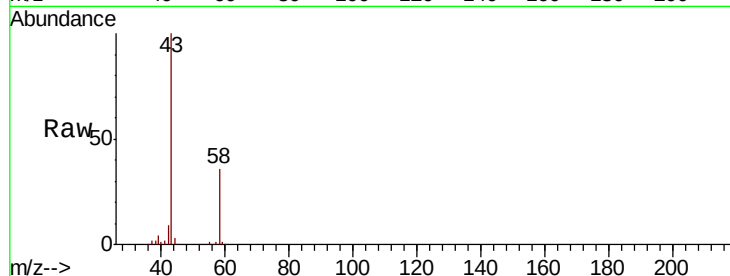
20190854-AMENDED-COMP-ARE

Tot Ion: 43 Resp: 202215

Ion Ratio Lower Upper

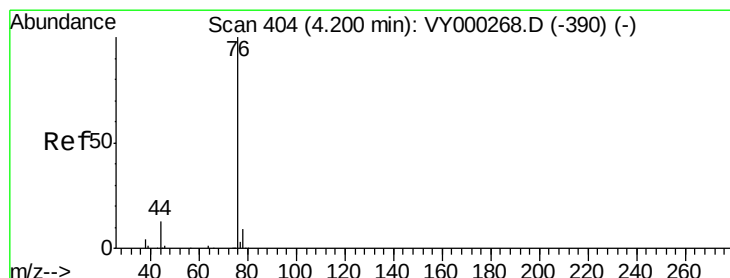
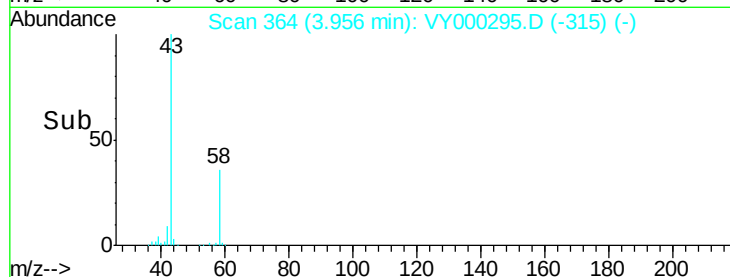
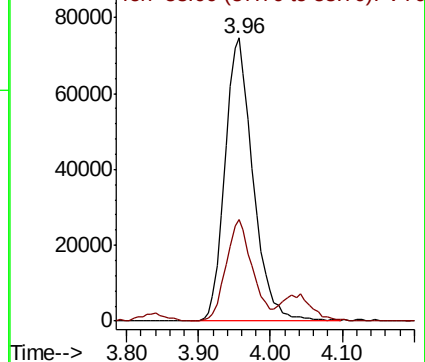
43 100

58 35.6 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#17

Carbon Disulfide

Concen: 27.266 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY000295.D

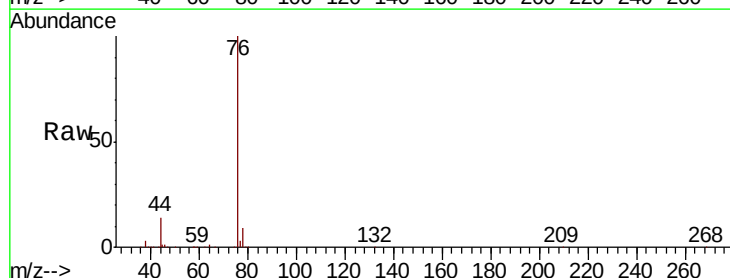
Acq: 14 Oct 2019 13:40

Tgt Ion: 76 Resp: 213165

Ion Ratio Lower Upper

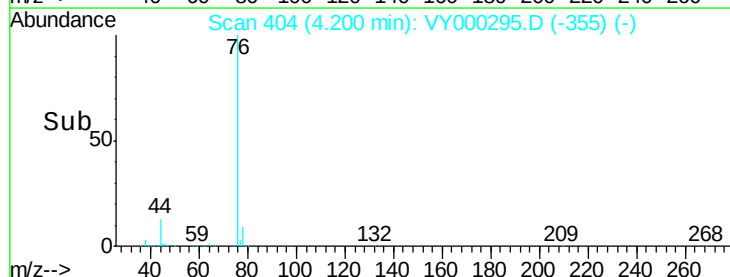
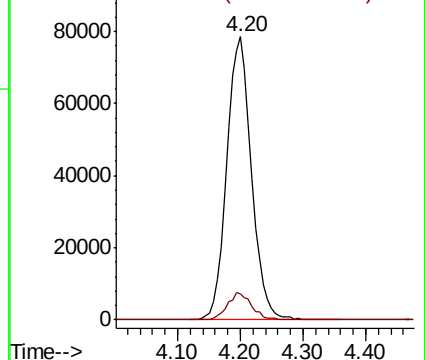
76 100

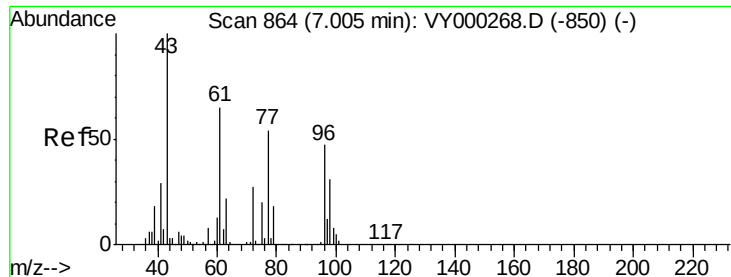
78 9.4 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0





#25

2-Butanone

Concen: 49.510 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY000295.D

Acq: 14 Oct 2019 13:40

Instrument :

MSVOA_Y

ClientSampleId :

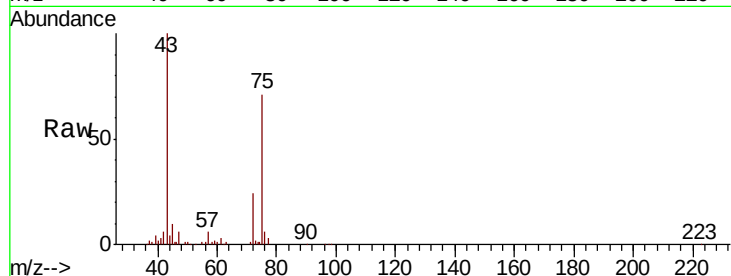
20190854-AMENDED-COMP-ARE

Tot Ion: 43 Resp: 58574

Ion Ratio Lower Upper

43 100

72 23.7 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

7.00

20000

15000

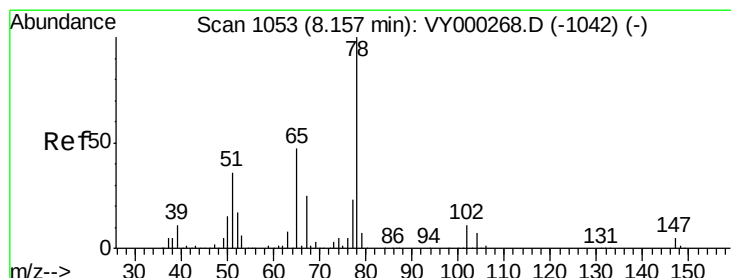
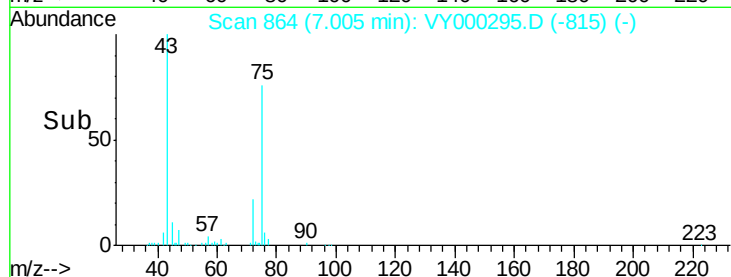
10000

5000

0

Time-->

6.90 7.00 7.10



#33

1,2-Dichloroethane-d4

Concen: 63.135 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VY000295.D

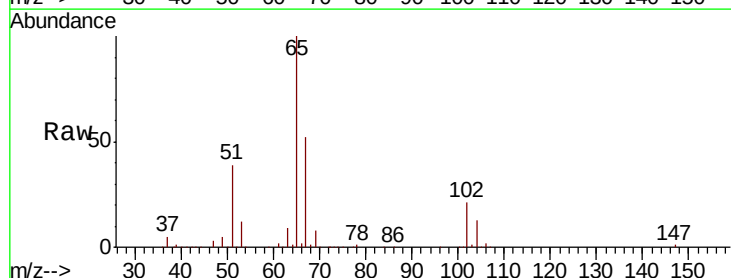
Acq: 14 Oct 2019 13:40

Tgt Ion: 65 Resp: 163732

Ion Ratio Lower Upper

65 100

67 53.4 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.16

80000

60000

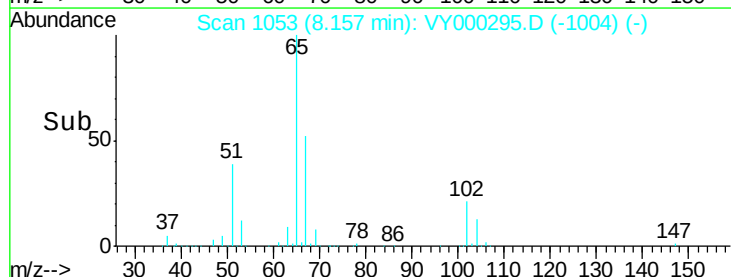
40000

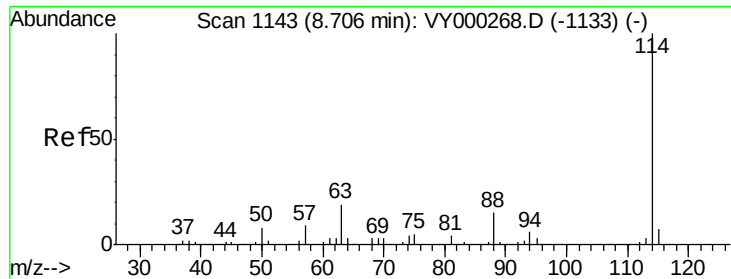
20000

0

Time-->

8.10 8.20 8.30





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY000295.D

Acq: 14 Oct 2019 13:40

Instrument :

MSVOA_Y

ClientSampleId :

20190854-AMENDED-COMP-ARE

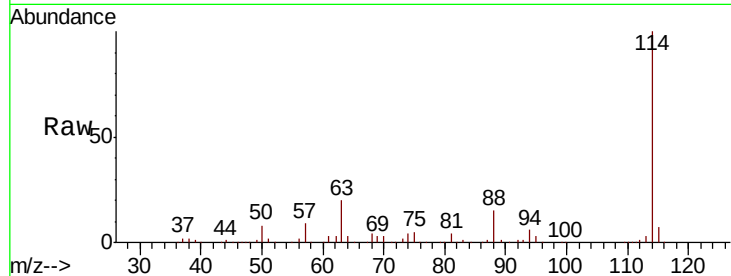
Tot Ion:114 Resp: 468111

Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.2

88 14.8 0.0 30.2



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

8.70

250000

200000

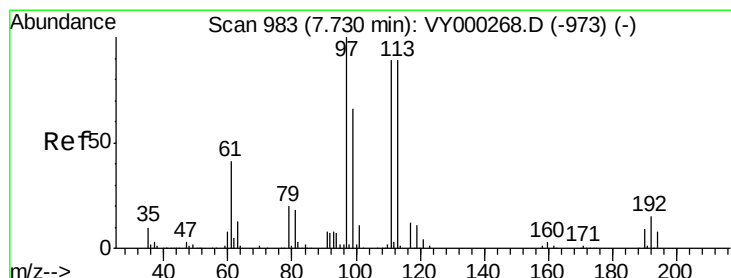
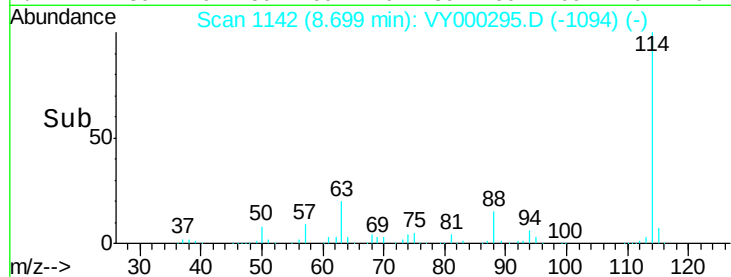
150000

100000

50000

0

Time-->



#35

Dibromofluoromethane

Concen: 31.598 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000295.D

Acq: 14 Oct 2019 13:40

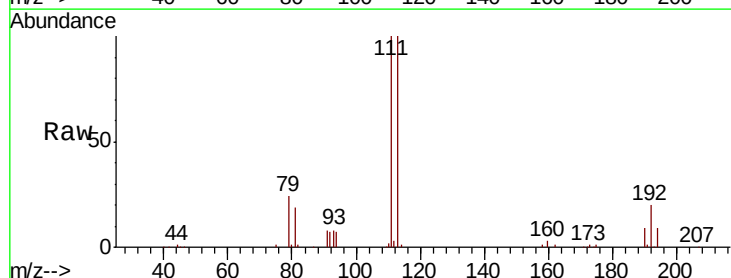
Tgt Ion:113 Resp: 89223

Ion Ratio Lower Upper

113 100

111 101.8 81.6 122.4

192 19.4 15.3 22.9



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

7.73

50000

40000

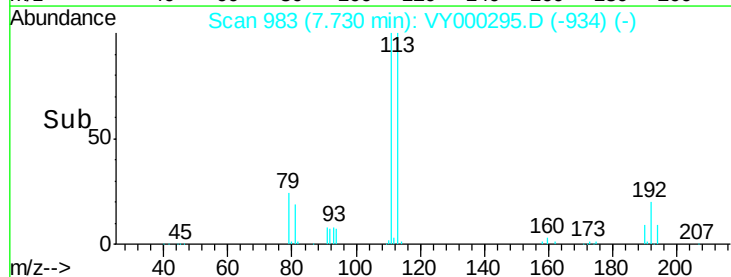
30000

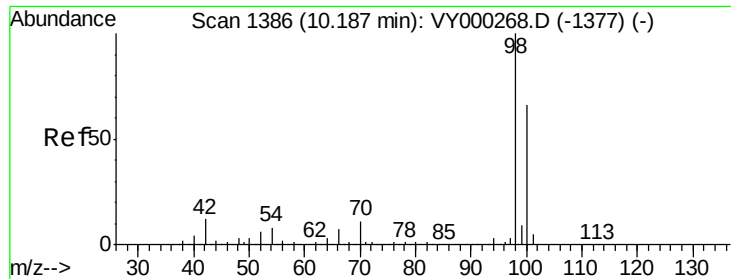
20000

10000

0

Time-->





#50

Toluene-d8

Concen: 49.807 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY000295.D

Acq: 14 Oct 2019 13:40

Instrument :

MSVOA_Y

ClientSampleId :

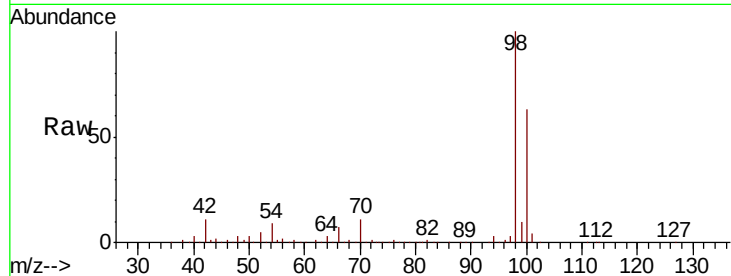
20190854-AMENDED-COMP-ARE

Tot Ion: 98 Resp: 541006

Ion Ratio Lower Upper

98 100

100 65.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY000268.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY000268.D (-1377) (-)

10.19

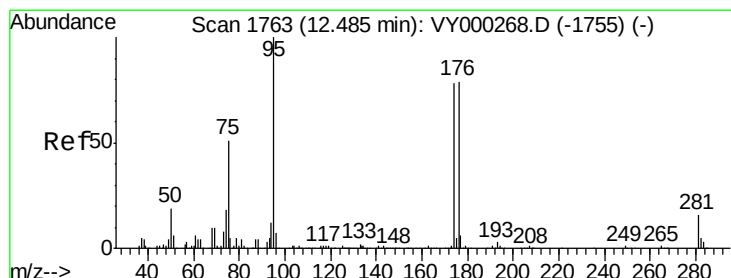
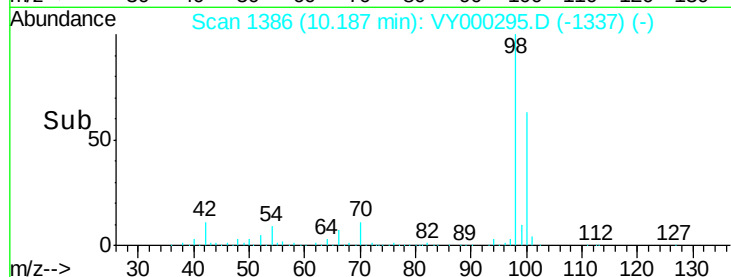
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.351 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000295.D

Acq: 14 Oct 2019 13:40

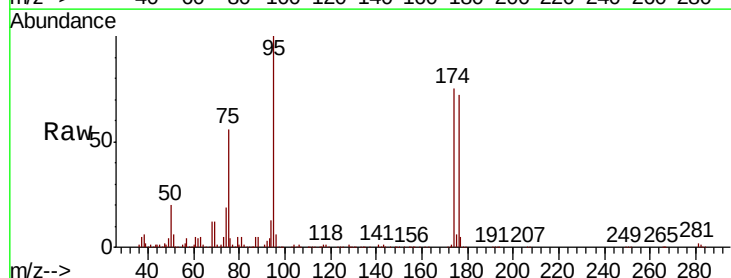
Tgt Ion: 95 Resp: 178893

Ion Ratio Lower Upper

95 100

174 77.3 0.0 159.6

176 75.9 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VY000268.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY000268.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY000268.D (-1755) (-)

12.48

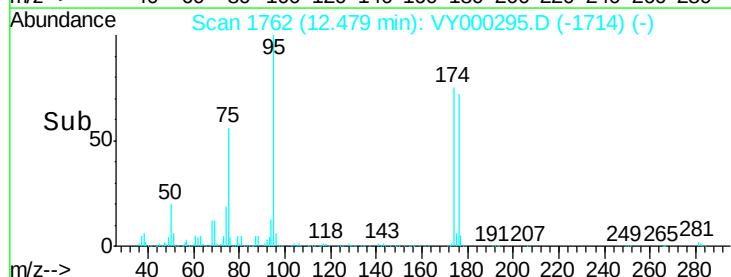
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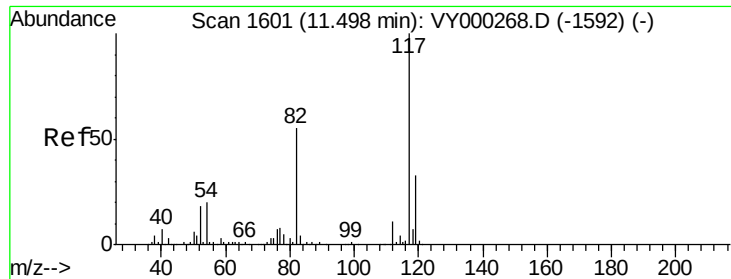
100000

50000

0

Time-->

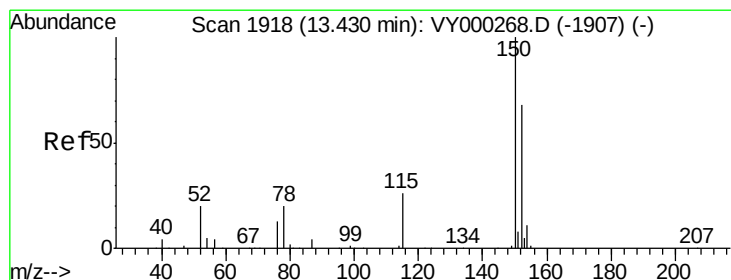
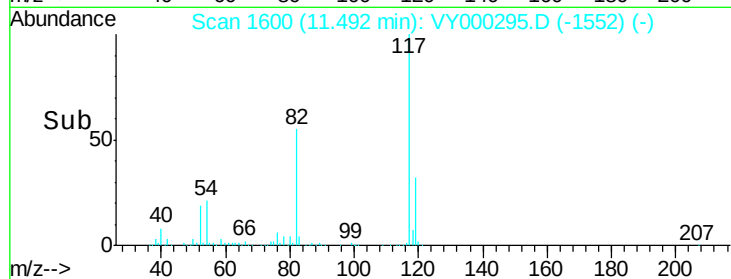
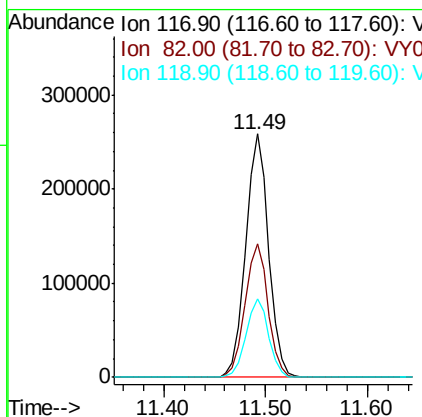
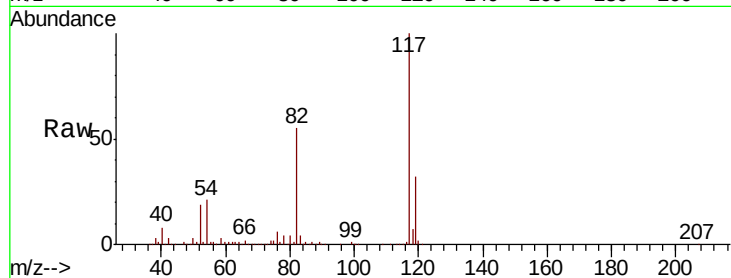




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000295.D
Acq: 14 Oct 2019 13:40

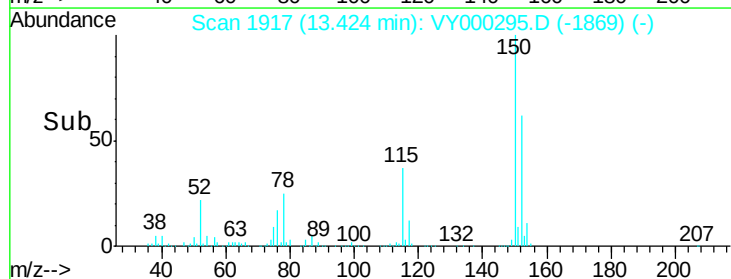
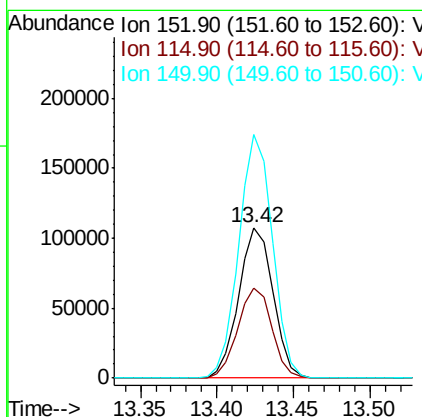
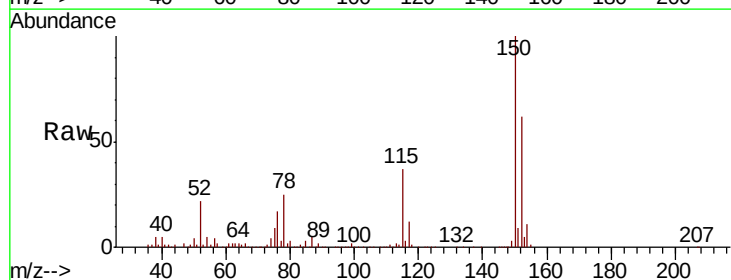
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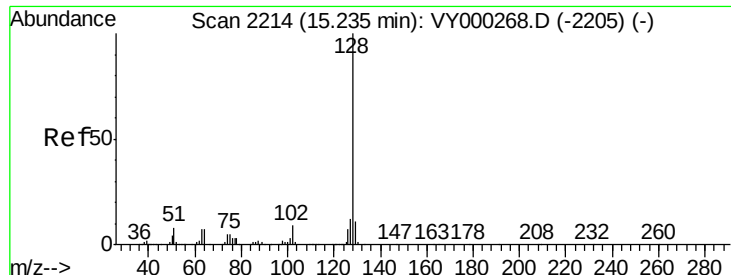
Tot Ion:117 Resp: 401862
Ion Ratio Lower Upper
117 100
82 54.8 43.7 65.5
119 32.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000295.D
Acq: 14 Oct 2019 13:40

Tgt Ion:152 Resp: 167763
Ion Ratio Lower Upper
152 100
115 59.3 29.3 88.0
150 158.8 0.0 348.4

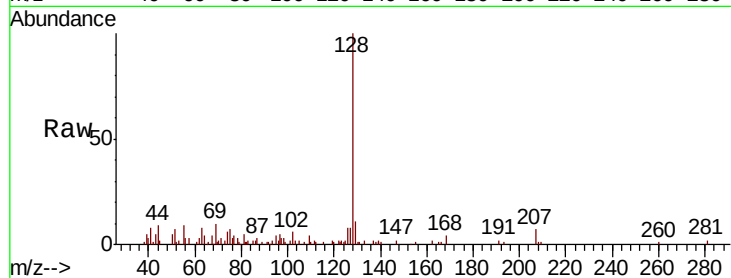




#95
Naphthalene
Concen: 2.367 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000295.D
Acq: 14 Oct 2019 13:40

Instrument :
MSVOA_Y
ClientSampleId :
20190854-AMENDED-COMP-ARE

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.6	14.4
129	10.0	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

