

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010319\
 Data File : VU029004.D
 Acq On : 03 Jan 2019 18:01
 Operator : MD/SY
 Sample : K1043-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 HB-1319-WS

Manual Integrations
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MMDadoda
 1/4/2019 9:51:24 AM

Quant Time: Jan 04 08:03:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	131977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	219040	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	195294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	79818	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	81782	50.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.26%	
35) Dibromofluoromethane	4.88	113	70366	49.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.12%	
50) Toluene-d8	7.56	98	270796	48.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.62%	
62) 4-Bromofluorobenzene	10.30	95	86742	43.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.12%	
Target Compounds						
					Qvalue	
16) Acetone	2.32	43	4362	4.244	ug/l	96
39) Methylcyclohexane	6.42	83	1337	0.497	ug/l #	87
40) Benzene	5.39	78	13727	2.010	ug/l	96
52) Toluene	7.64	92	69672	16.758	ug/l	98
67) Ethyl Benzene	9.25	91	35665	4.880	ug/l	98
68) m/p-Xylenes	9.37	106	59879	21.086	ug/l	99
69) o-Xylene	9.78	106	31161	11.388	ug/l	98
73) Isopropylbenzene	10.17	105	4496	0.761	ug/l	99
78) n-propylbenzene	10.59	91	15574	2.237	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	28031	5.682	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	113262	22.994	ug/l	99
85) sec-Butylbenzene	11.32	105	2932m	0.499	ug/l	
86) p-Isopropyltoluene	11.47	119	10514	2.098	ug/l	97
95) Naphthalene	13.74	128	32564	5.272	ug/l	98

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

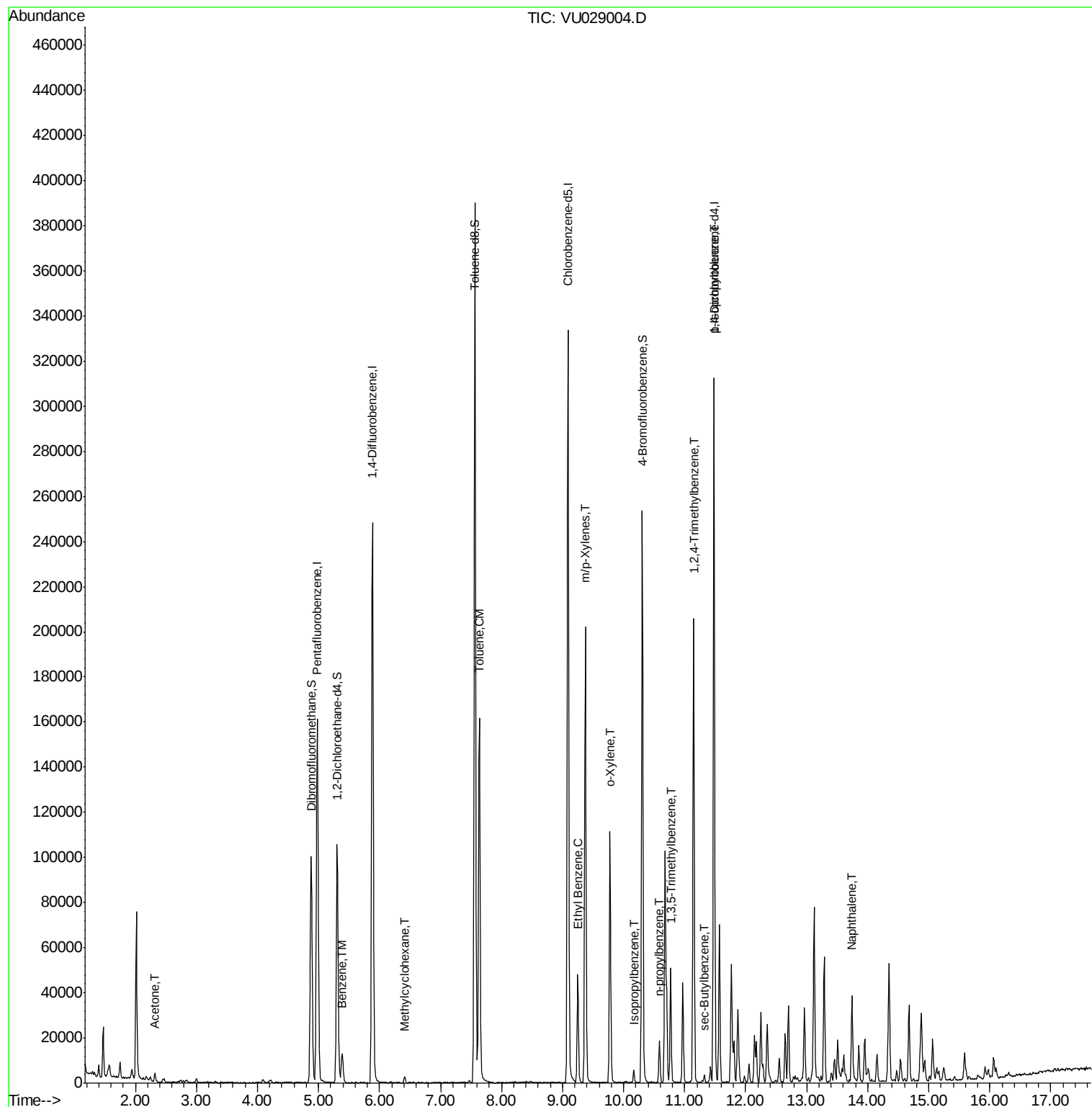
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU010319\
Data File : VU029004.D
Acq On : 03 Jan 2019 18:01
Operator : MD/SY
Sample : K1043-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

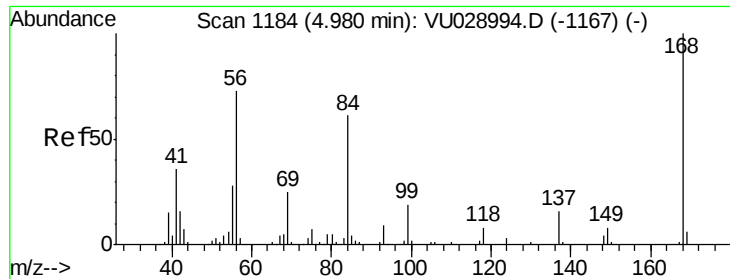
Instrument :
MSVOA_U
ClientSampleId :
HB-1319-WS

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Quant Time: Jan 04 08:03:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260
QLast Update : Fri Jan 04 02:22:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU029004.D

Acq: 03 Jan 2019 18:01

Instrument :

MSVOA_U

ClientSampleId :

HB-1319-WS

Tgt Ion:168 Resp: 131977

Ion Ratio Lower Upper

168 100

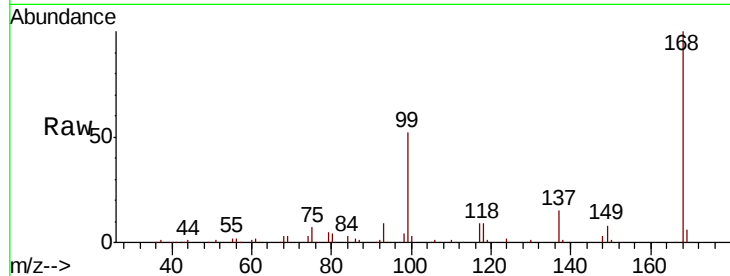
99 51.9 42.0 63.0

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Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

60000

40000

20000

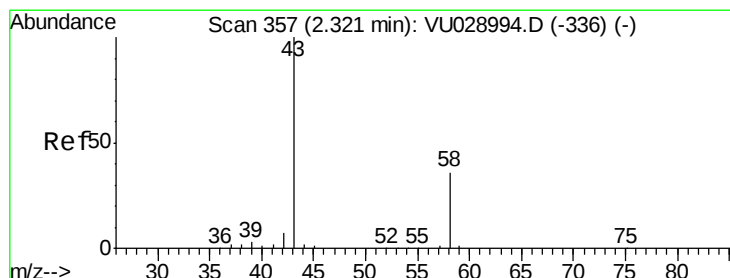
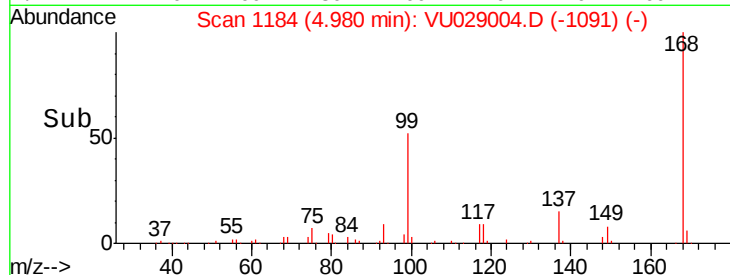
0

4.90

5.00

5.10

Time-->



#16

Acetone

Concen: 4.244 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029004.D

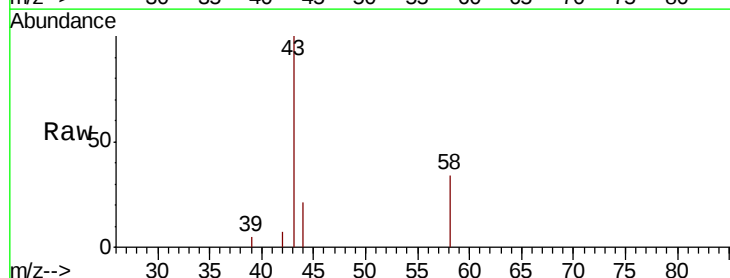
Acq: 03 Jan 2019 18:01

Tgt Ion: 43 Resp: 4362

Ion Ratio Lower Upper

43 100

58 33.6 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VU028994.D (-336) (-)

2.32

3000

2500

2000

1500

1000

500

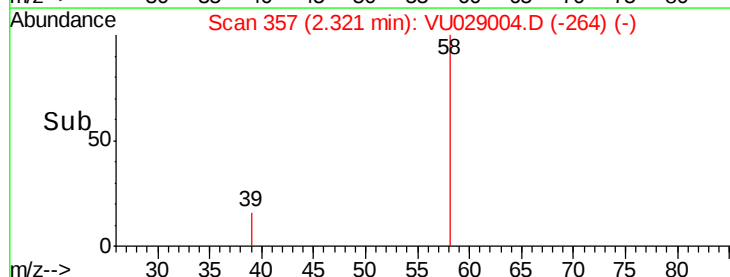
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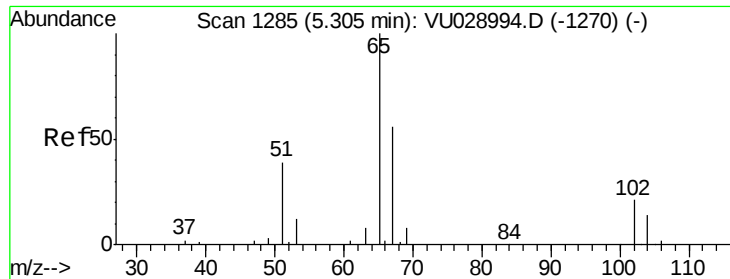
2.25

2.30

2.35

Time-->





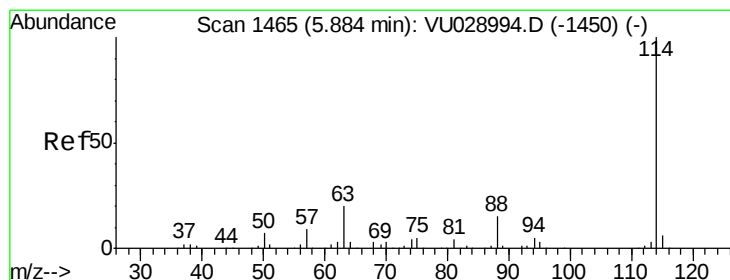
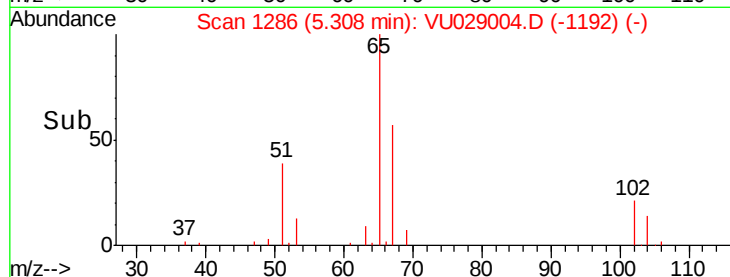
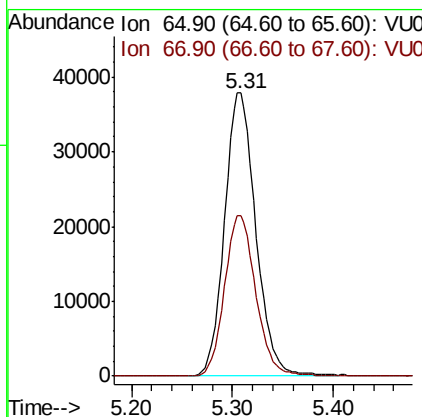
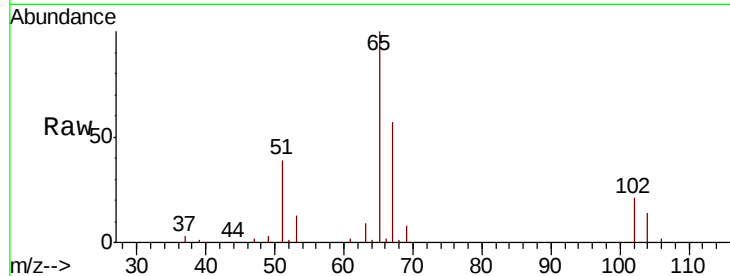
#33
 1,2-Dichloroethane-d4
 Concen: 50.127 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU029004.D
 Acq: 03 Jan 2019 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 HB-1319-WS

Tgt Ion: 65 Resp: 81782
 Ion Ratio Lower Upper
 65 100
 67 56.6 0.0 111.0

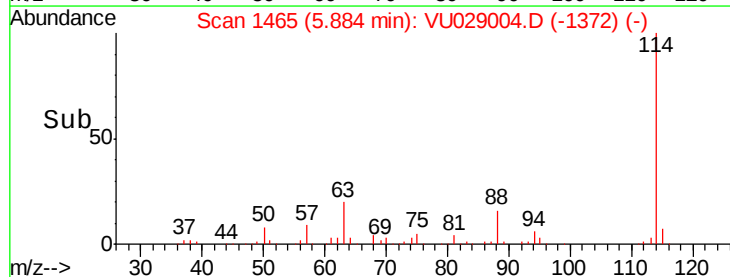
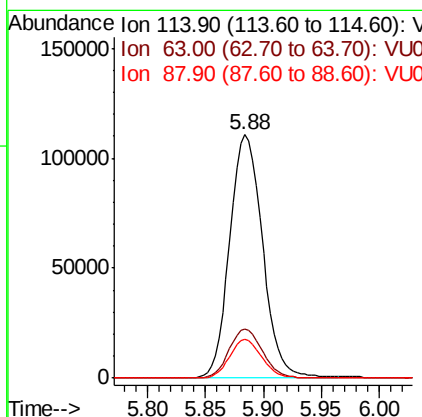
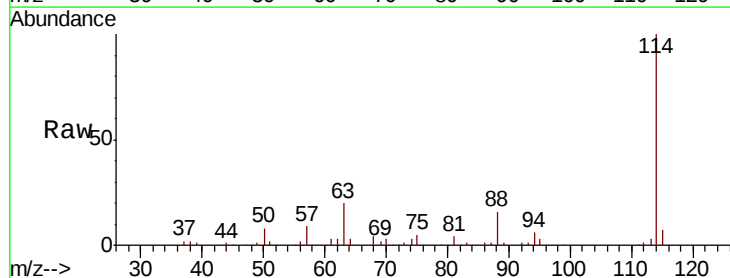
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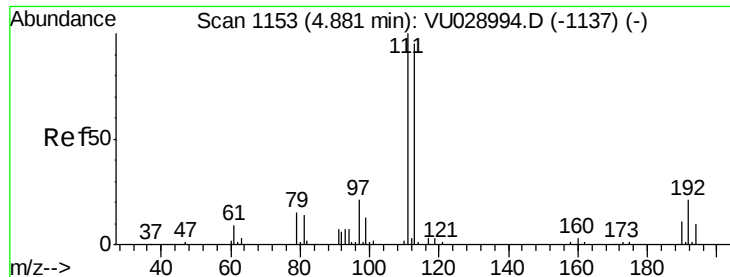
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU029004.D
 Acq: 03 Jan 2019 18:01

Tgt Ion: 114 Resp: 219040
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.2
 88 16.0 0.0 30.4





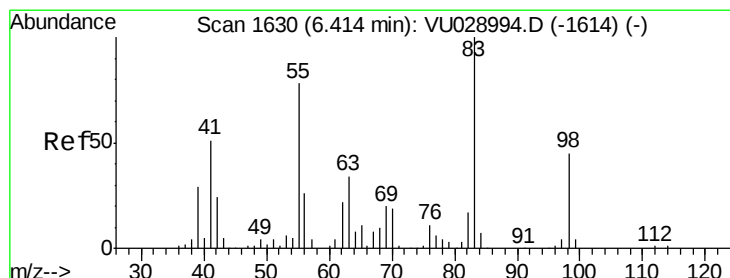
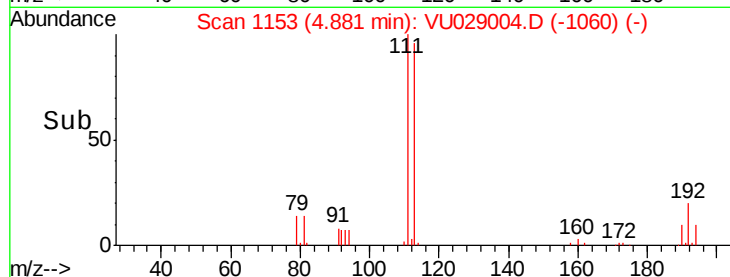
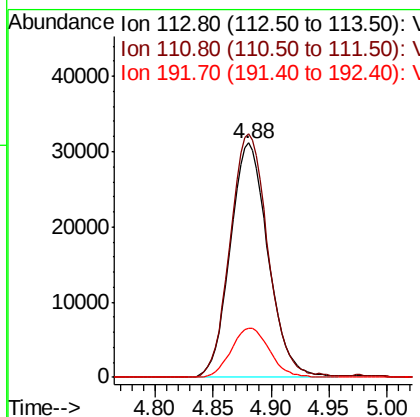
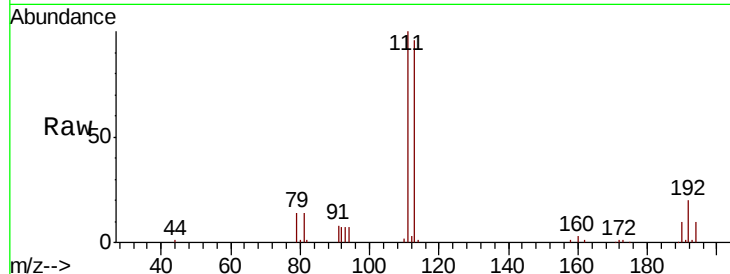
#35
 Dibromofluoromethane
 Concen: 49.558 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029004.D
 Acq: 03 Jan 2019 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 HB-1319-WS

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.4	122.2
192	21.3	16.8	25.2

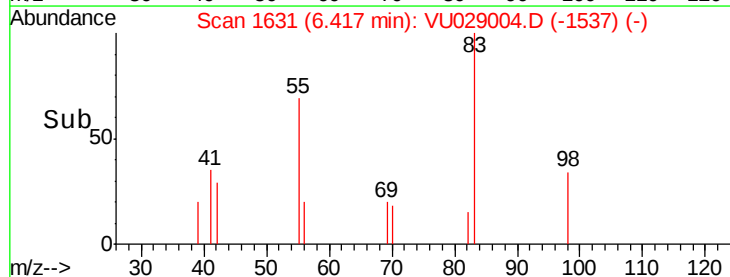
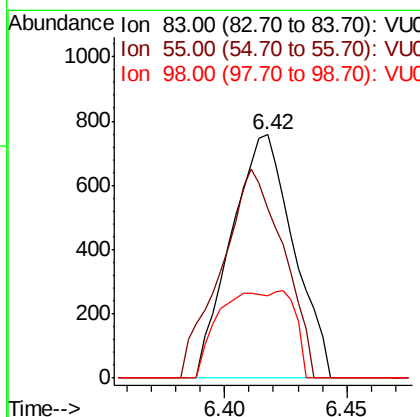
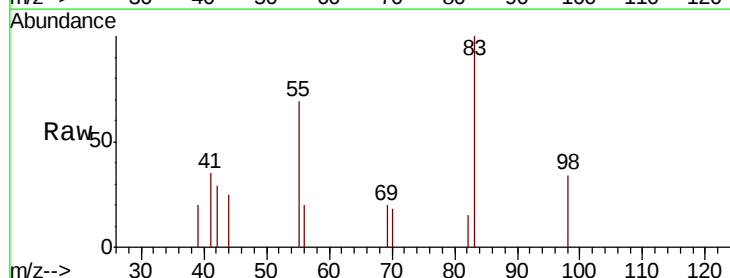
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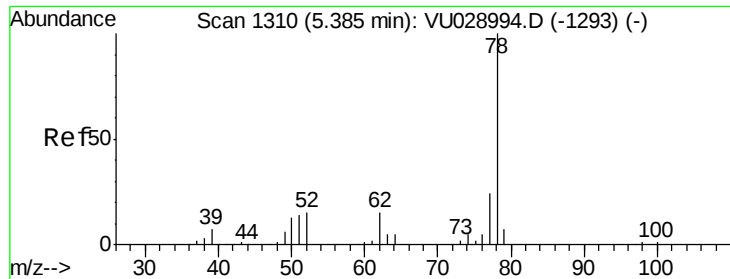
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#39
 Methylcyclohexane
 Concen: 0.497 ug/l
 RT: 6.42 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU029004.D
 Acq: 03 Jan 2019 18:01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	69.4	62.4	93.6
98	34.0	36.2	54.2#





#40

Benzene

Concen: 2.010 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU029004.D

Acq: 03 Jan 2019 18:01

Instrument :

MSVOA_U

ClientSampleId :

HB-1319-WS

Tgt Ion: 78 Resp: 13727

Ion Ratio Lower Upper

78 100

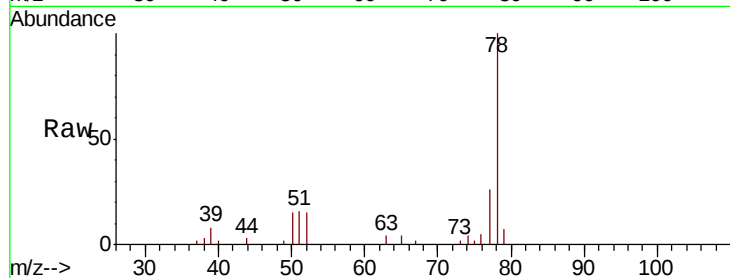
77 25.8 18.9 28.3

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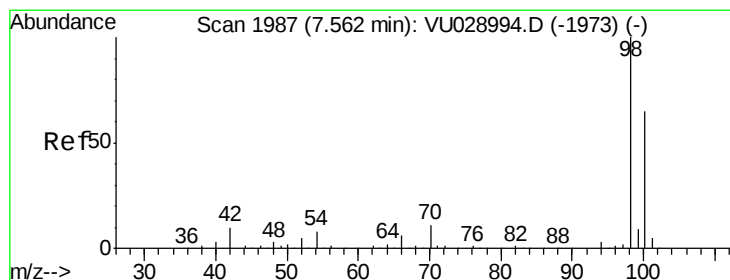
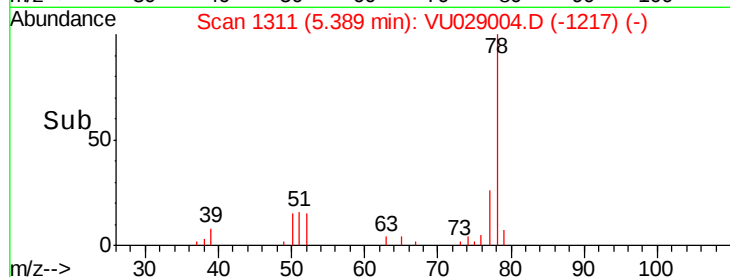
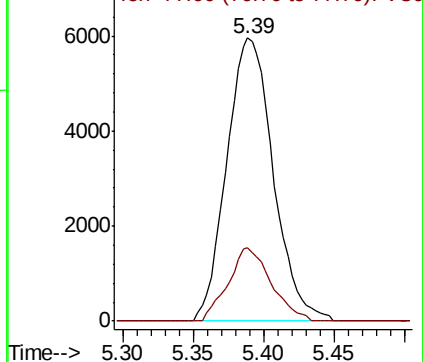
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Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#50

Toluene-d8

Concen: 48.309 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VU029004.D

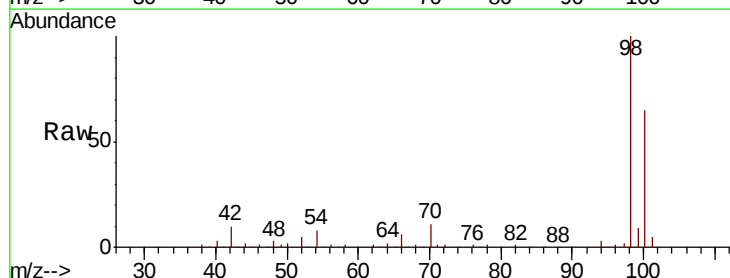
Acq: 03 Jan 2019 18:01

Tgt Ion: 98 Resp: 270796

Ion Ratio Lower Upper

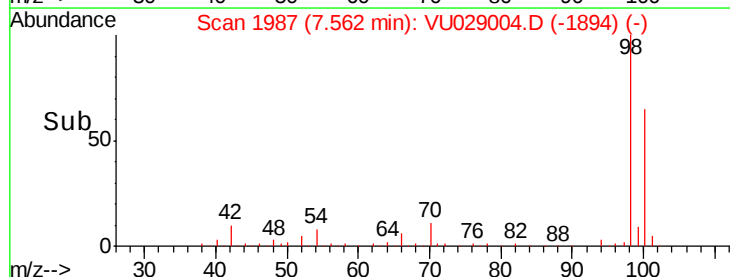
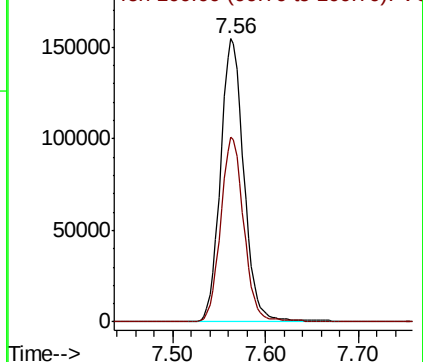
98 100

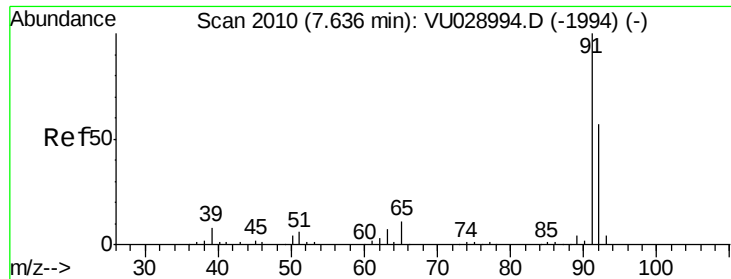
100 64.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#52

Toluene

Concen: 16.758 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029004.D

Acq: 03 Jan 2019 18:01

Instrument :

MSVOA_U

ClientSampleId :

HB-1319-WS

Tgt Ion: 92 Resp: 69672

Ion Ratio Lower Upper

92 100

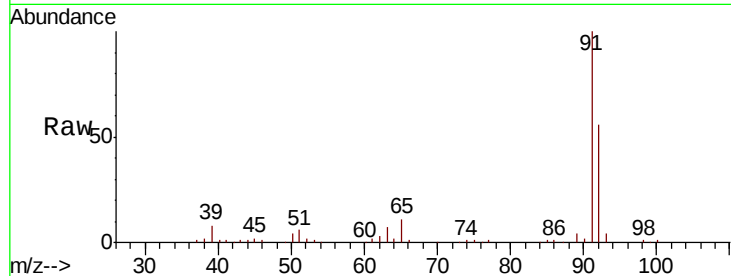
91 177.1 139.8 209.8

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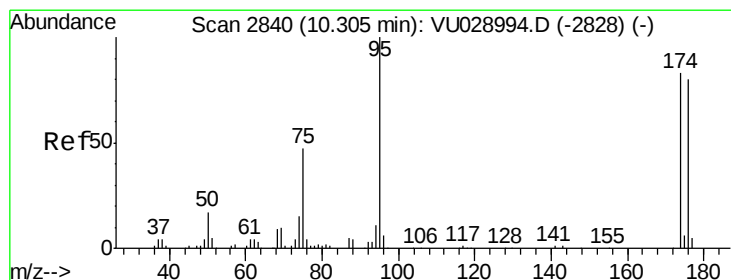
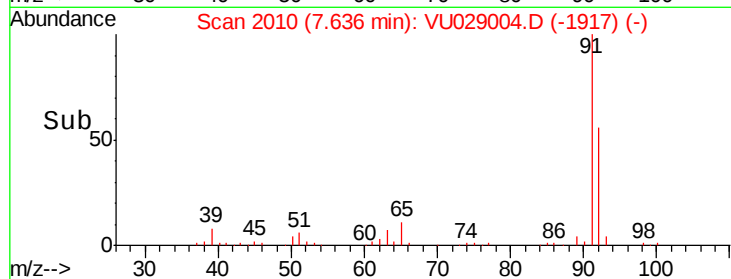
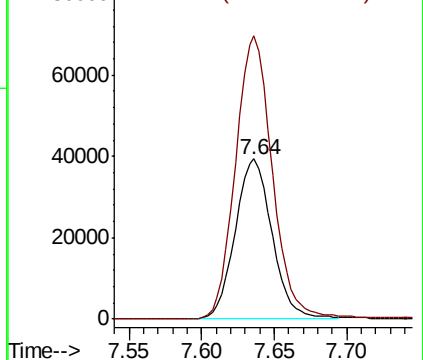
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Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#62

4-Bromofluorobenzene

Concen: 43.058 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU029004.D

Acq: 03 Jan 2019 18:01

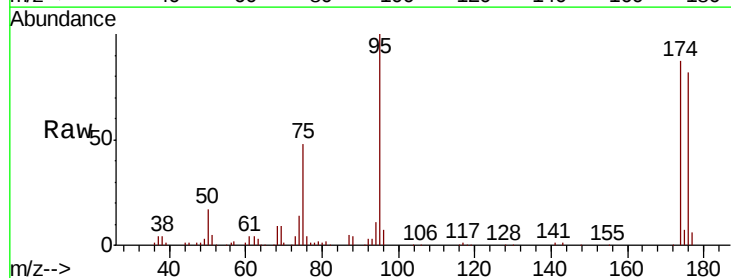
Tgt Ion: 95 Resp: 86742

Ion Ratio Lower Upper

95 100

174 85.9 0.0 170.6

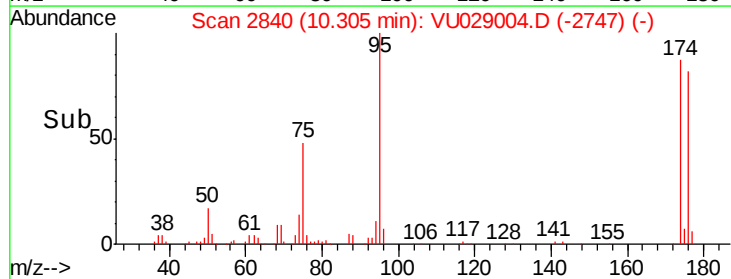
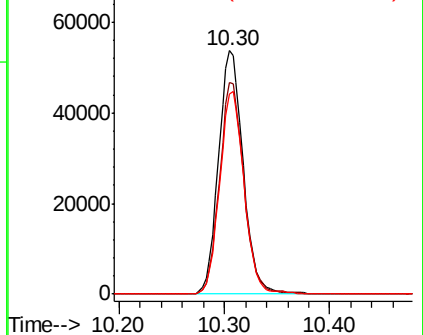
176 82.7 0.0 165.0

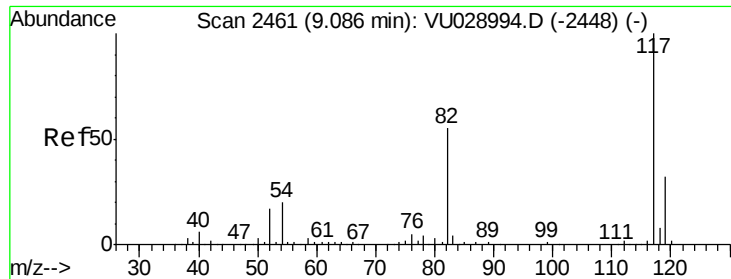


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





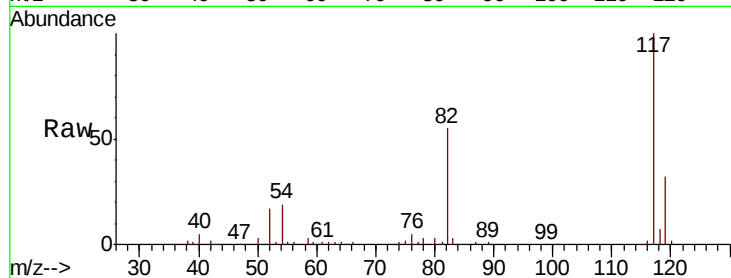
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU029004.D
Acq: 03 Jan 2019 18:01

Instrument :
MSVOA_U
ClientSampleId :
HB-1319-WS

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.1	43.9	65.9
119	31.5	26.0	39.0

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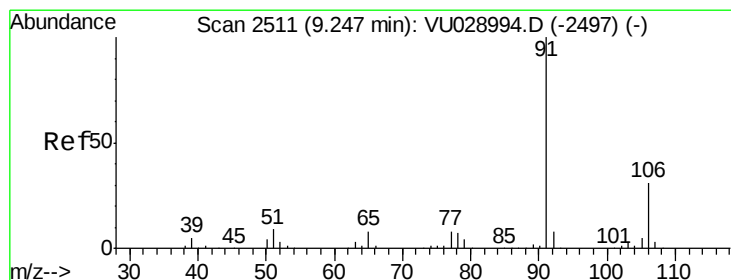
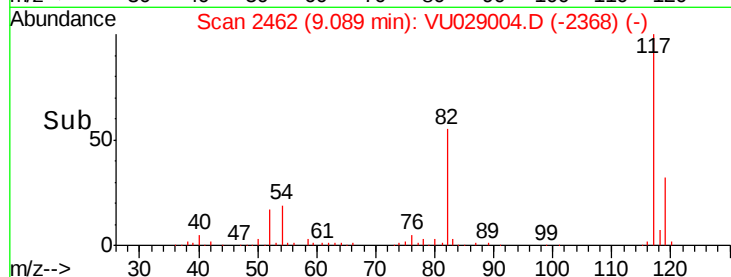
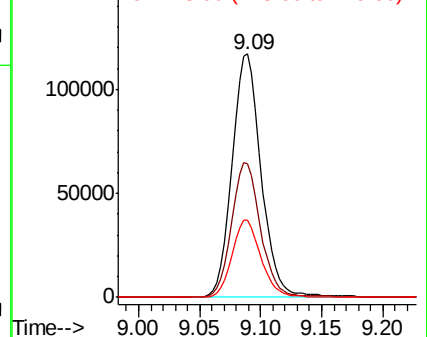


Abundance

Ion 116.90 (116.60 to 117.60): V

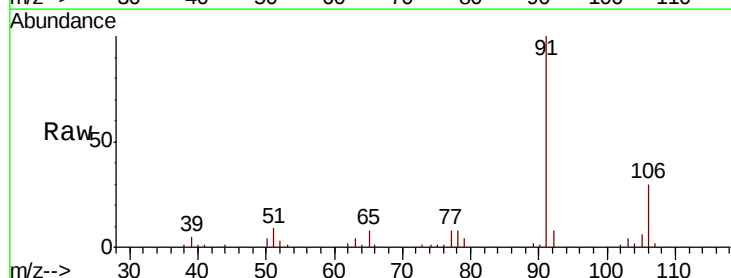
Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V



#67
Ethyl Benzene
Concen: 4.880 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU029004.D
Acq: 03 Jan 2019 18:01

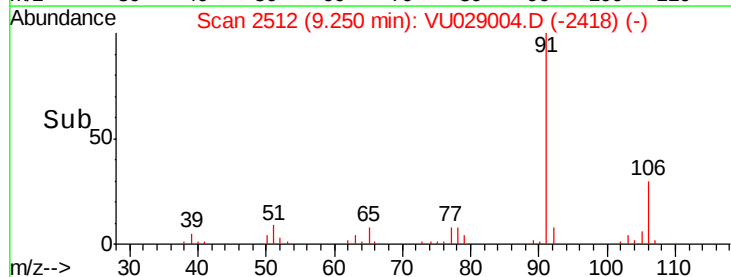
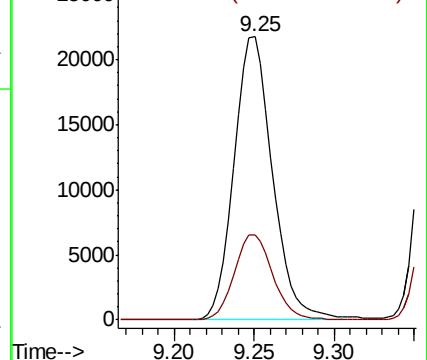
Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	25.0	37.4

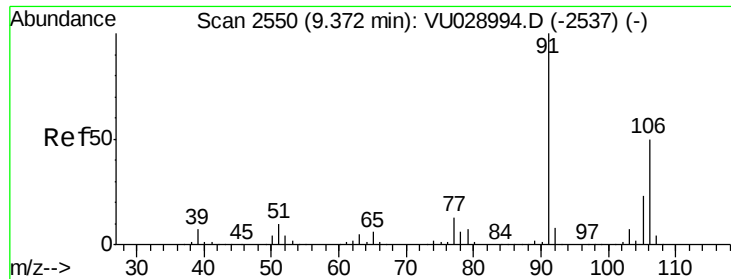


Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





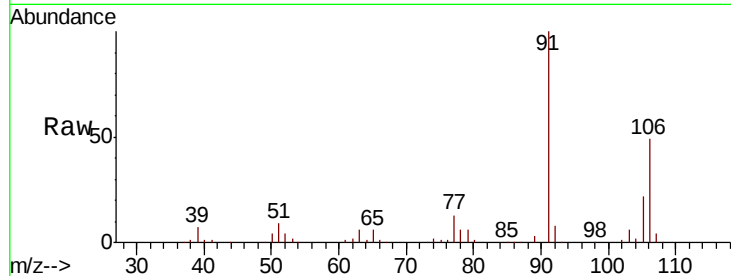
#68
m/p-Xylenes
Concen: 21.086 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029004.D
Acq: 03 Jan 2019 18:01

Instrument :
MSVOA_U
ClientSampleId :
HB-1319-WS

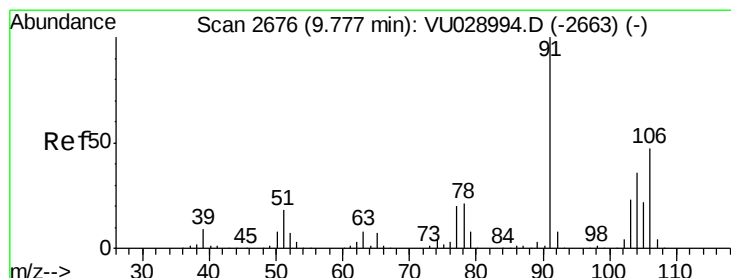
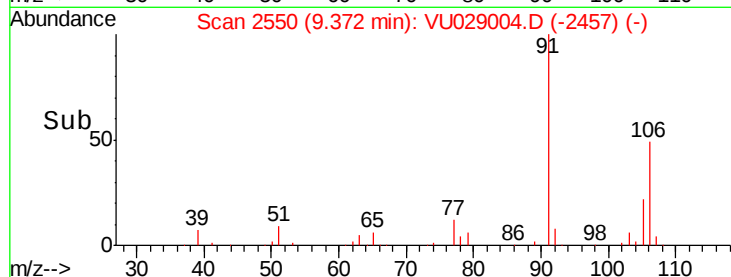
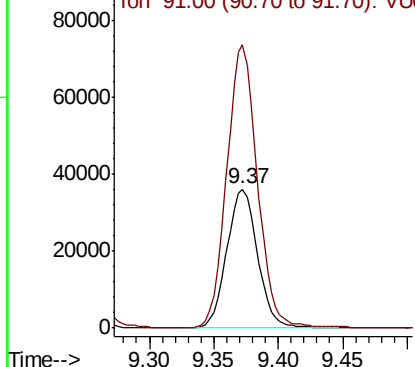
Tgt Ion:106 Resp: 59879
Ion Ratio Lower Upper
106 100
91 200.8 161.7 242.5

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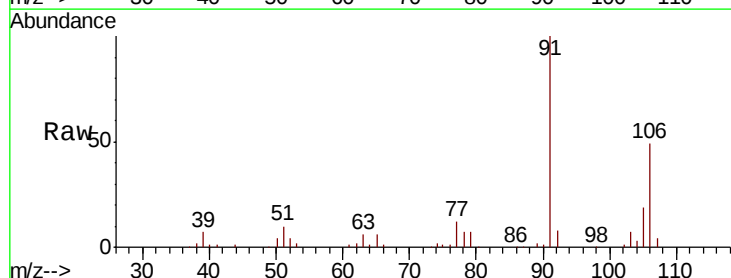


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

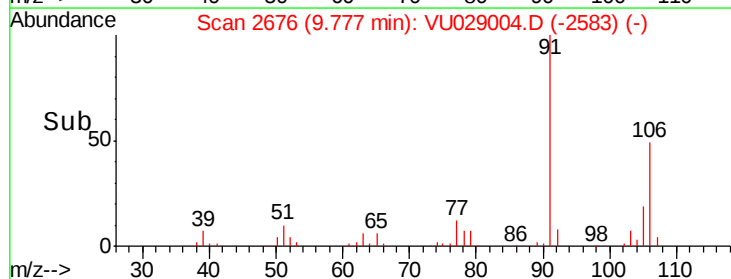
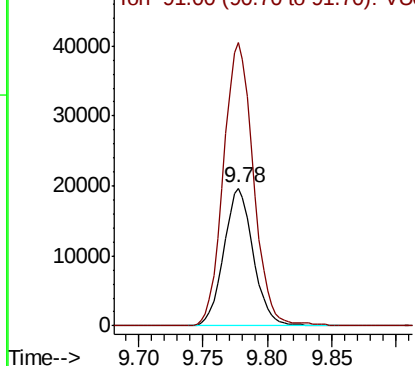


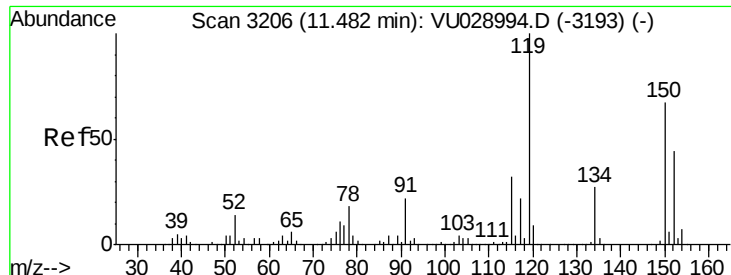
#69
o-Xylene
Concen: 11.388 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU029004.D
Acq: 03 Jan 2019 18:01

Tgt Ion:106 Resp: 31161
Ion Ratio Lower Upper
106 100
91 209.7 106.1 318.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU029004.D

Acq: 03 Jan 2019 18:01

Instrument :

MSVOA_U

ClientSampled :

HB-1319-WS

Tgt Ion:152 Resp: 79818

Ion Ratio Lower Upper

152 100

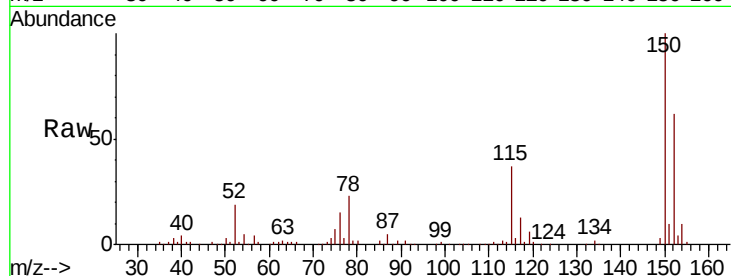
115 58.3 40.1 120.3

150 158.4 0.0 345.2

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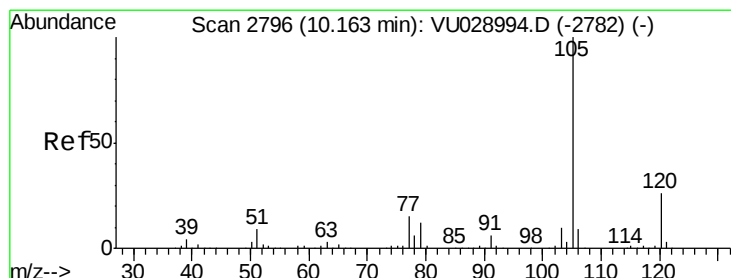
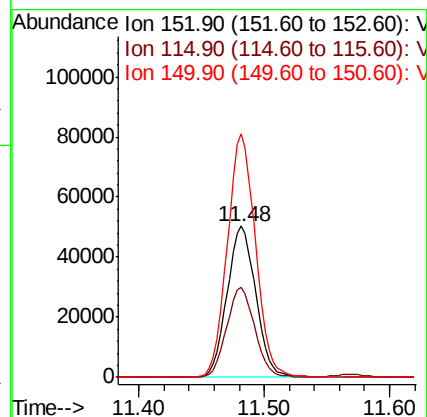
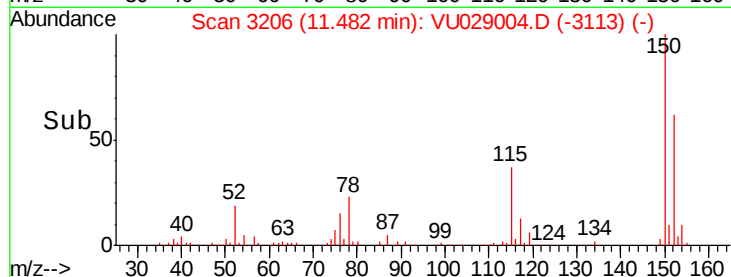
1/4/2019 9:51:24 AM



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: 0.761 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU029004.D

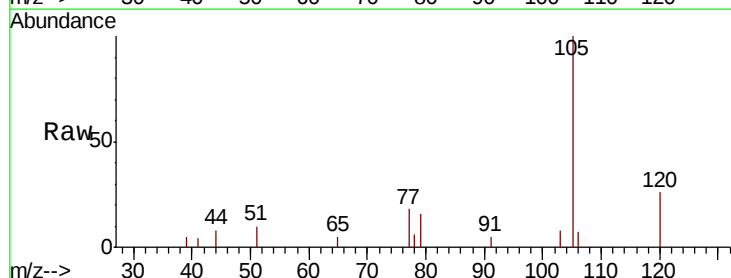
Acq: 03 Jan 2019 18:01

Tgt Ion:105 Resp: 4496

Ion Ratio Lower Upper

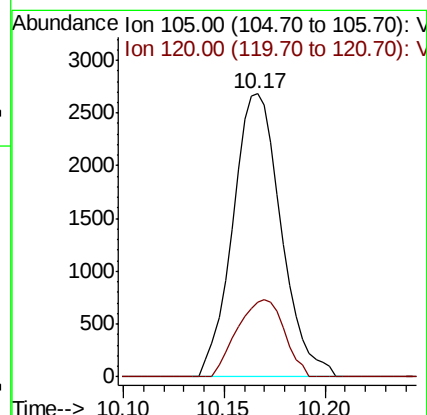
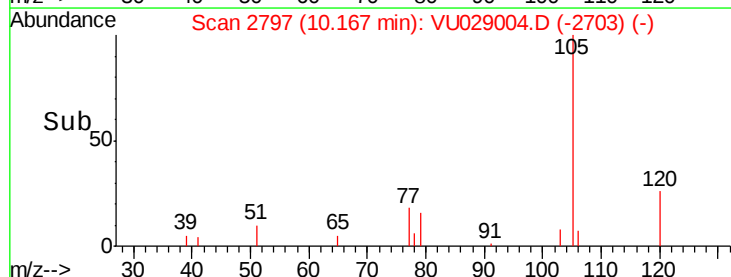
105 100

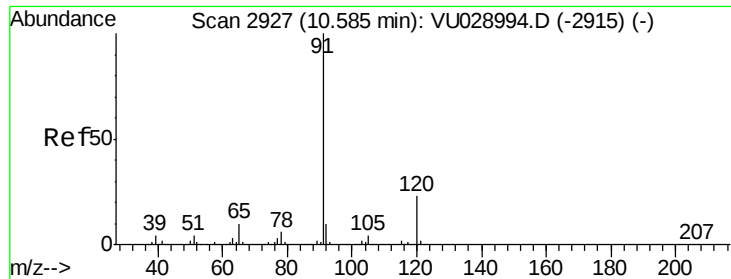
120 26.7 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 2.237 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU029004.D

Acq: 03 Jan 2019 18:01

Instrument :

MSVOA_U

ClientSampleId :

HB-1319-WS

Tgt Ion: 91 Resp: 15574

Ion Ratio Lower Upper

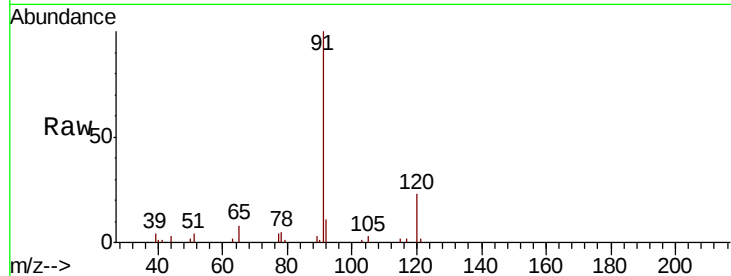
91 100

120 23.2 11.3 33.9

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Abundance Ion 91.00 (90.70 to 91.70): VU028994.D (-2915) (-)

Ion 120.00 (119.70 to 120.70): VU028994.D (-2915) (-)

15000

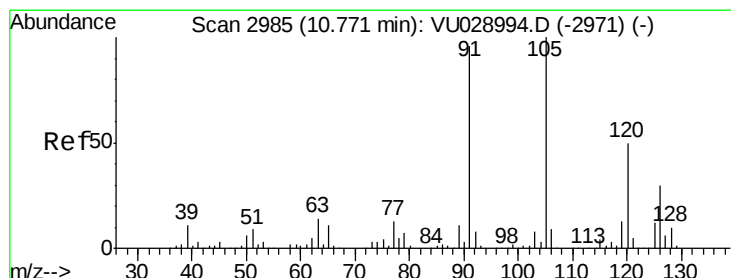
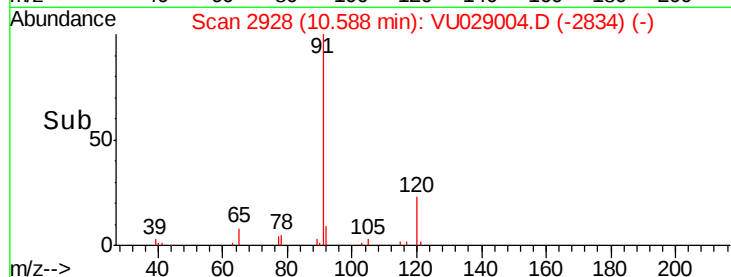
10000

5000

0

10.55 10.60 10.65

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 5.682 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU029004.D

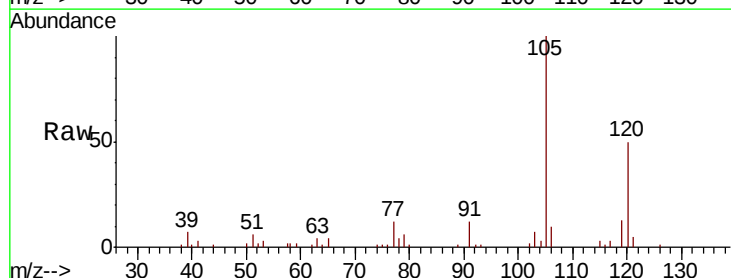
Acq: 03 Jan 2019 18:01

Tgt Ion: 105 Resp: 28031

Ion Ratio Lower Upper

105 100

120 49.5 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VU028994.D (-2971) (-)

Ion 120.00 (119.70 to 120.70): VU028994.D (-2971) (-)

30000

25000

20000

15000

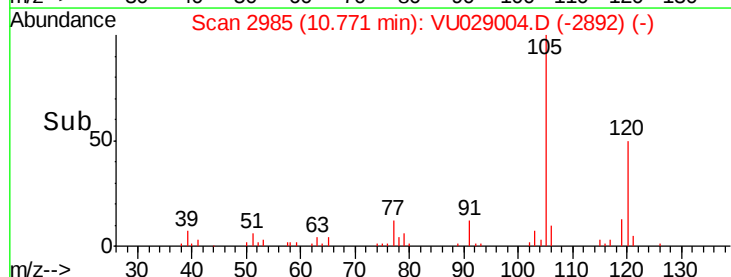
10000

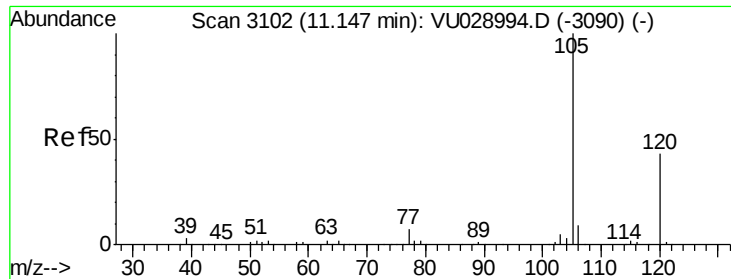
5000

0

10.70 10.75 10.80 10.85

Time-->





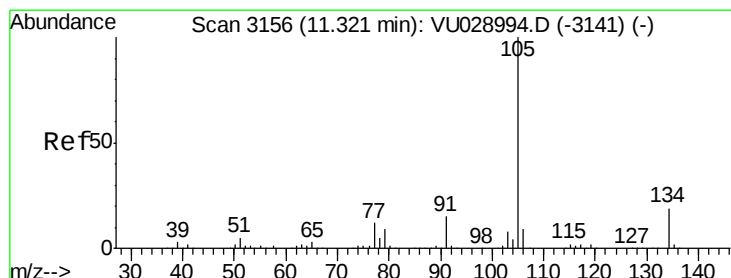
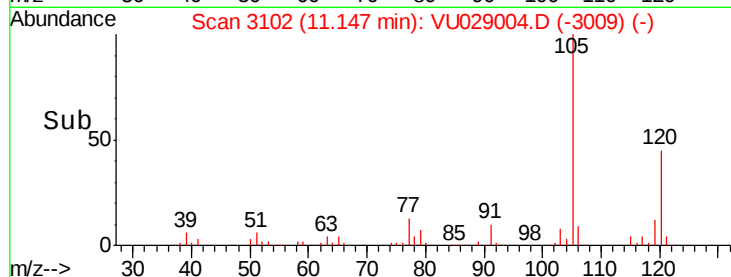
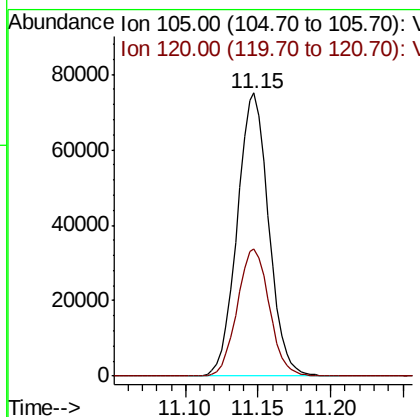
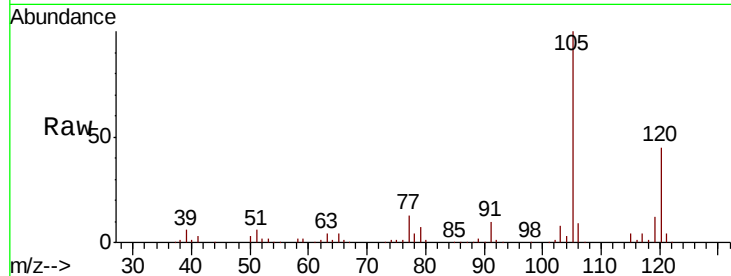
#84
 1,2,4-Trimethylbenzene
 Concen: 22.994 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU029004.D
 Acq: 03 Jan 2019 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 HB-1319-WS

Tgt Ion:105 Resp: 113262
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.1 69.3

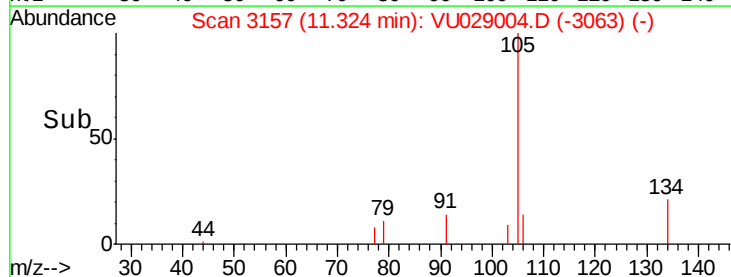
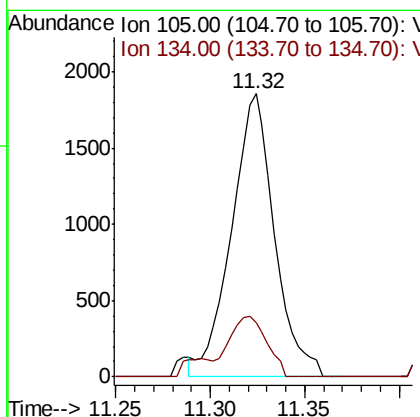
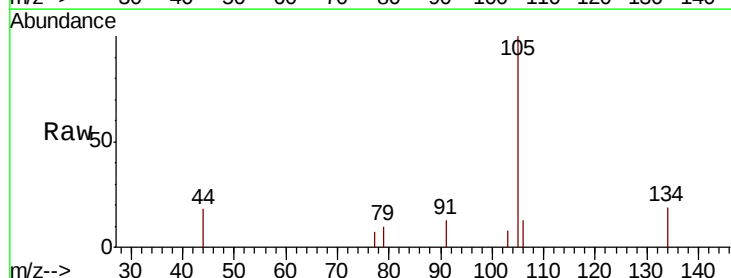
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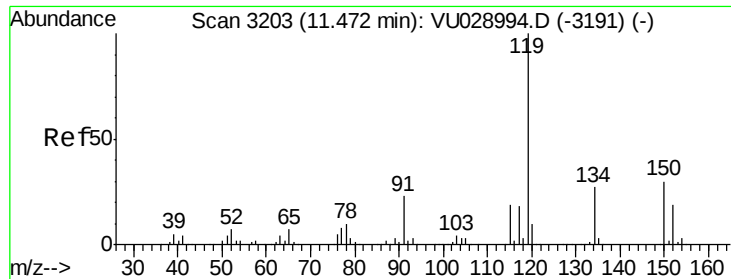
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#85
 sec-Butylbenzene
 Concen: 0.499 ug/l m
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU029004.D
 Acq: 03 Jan 2019 18:01

Tgt Ion:105 Resp: 2932
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.7 29.1#





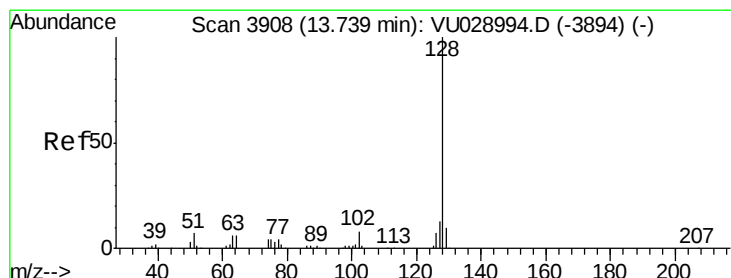
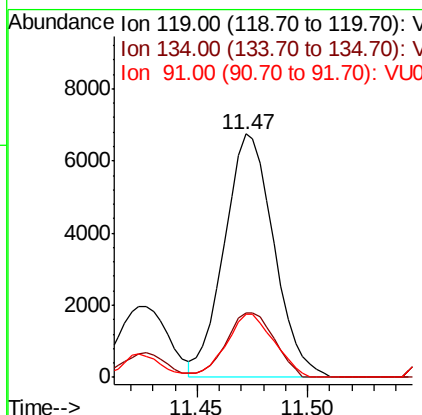
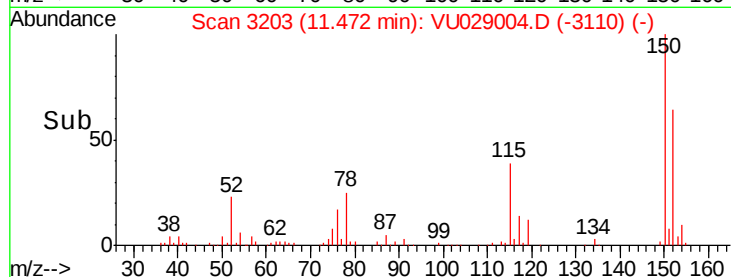
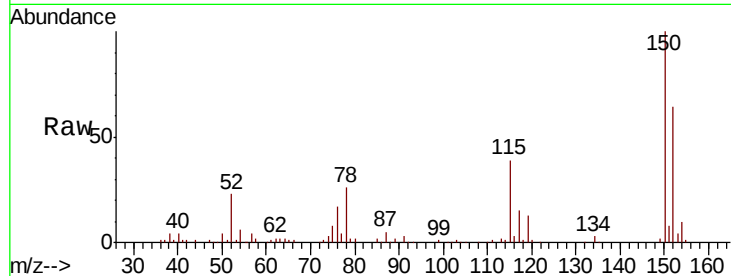
#86
p-Isopropyltoluene
Concen: 2.098 ug/l
RT: 11.47 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VU029004.D
Acq: 03 Jan 2019 18:01

Instrument :
MSVOA_U
ClientSampled :
HB-1319-WS

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.5	40.4
91	25.0	11.3	33.8

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#95
Naphthalene
Concen: 5.272 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029004.D
Acq: 03 Jan 2019 18:01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.1	15.1
129	11.5	8.5	12.7

