

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011619\
 Data File : VU029206.D
 Acq On : 16 Jan 2019 13:53
 Operator : JC/SP
 Sample : K1147-24
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-8

Manual Integrations
 APPROVED

MMDadoda
 1/17/2019 9:43:40 AM

Quant Time: Jan 17 01:27:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	108746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	187741	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	180120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	78543	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	74966	55.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.54%	
35) Dibromofluoromethane	4.88	113	64457	52.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.92%	
50) Toluene-d8	7.56	98	246659	51.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.68%	
62) 4-Bromofluorobenzene	10.30	95	78362	45.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.76%	
Target Compounds						
					Qvalue	
16) Acetone	2.32	43	5022	5.930	ug/l	97
20) Methylene Chloride	2.70	84	147175	102.358	ug/l	97
43) Isopropyl Acetate	5.55	43	7921	2.507	ug/l	96
67) Ethyl Benzene	9.25	91	519016	76.997	ug/l	100
68) m/p-Xylenes	9.37	106	1041030	397.474	ug/l	100
69) o-Xylene	9.78	106	502738	199.214	ug/l	99
73) Isopropylbenzene	10.17	105	18015	3.099	ug/l	99
78) n-propylbenzene	10.58	91	110945	16.194	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	464715	95.723	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	2636762	543.999	ug/l	99
85) sec-Butylbenzene	11.32	105	12907m	2.230	ug/l	
86) p-Isopropyltoluene	11.48	119	7294m	1.479	ug/l	
95) Naphthalene	13.74	128	37058	6.097	ug/l	99

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

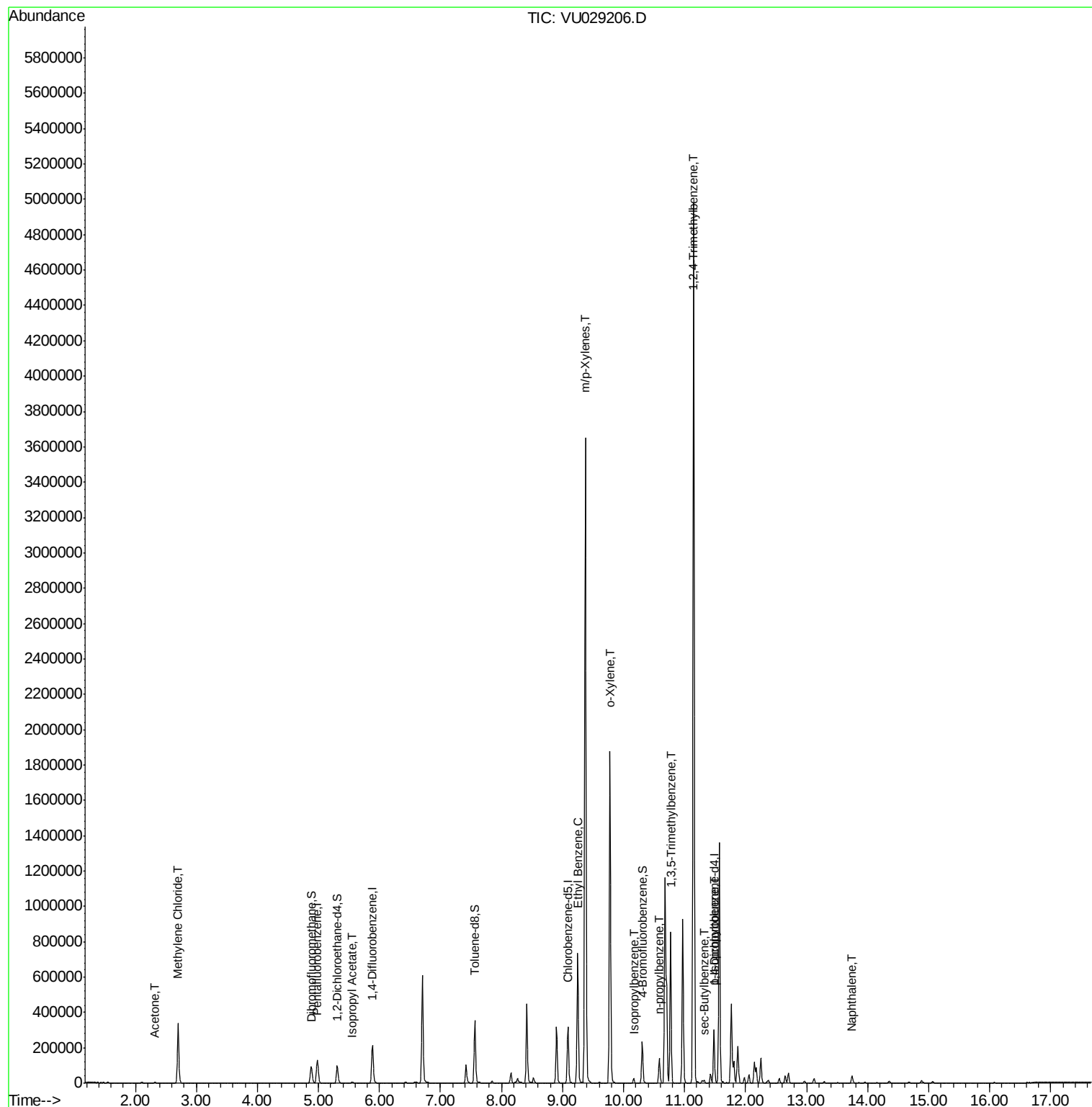
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU011619\
Data File : VU029206.D
Acq On : 16 Jan 2019 13:53
Operator : JC/SP
Sample : K1147-24
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

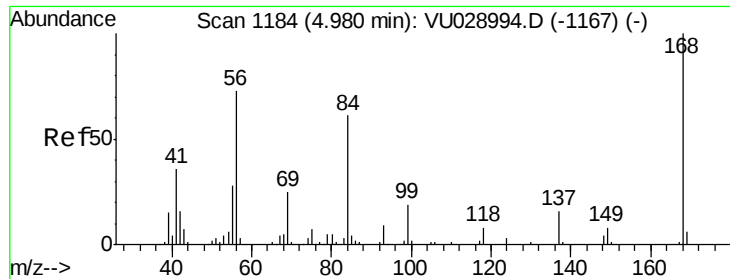
Instrument :
MSVOA_U
ClientSampleId :
TP-8

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Quant Time: Jan 17 01:27:54 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 12 01:33:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU029206.D

Acq: 16 Jan 2019 13:53

Instrument :

MSVOA_U

ClientSampled :

TP-8

Tot Ion:168 Resp: 108746

Ion Ratio Lower Upper

168 100

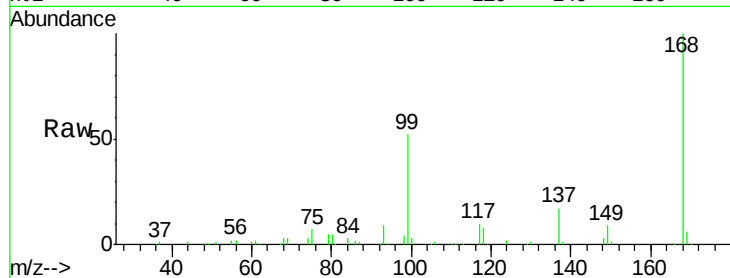
99 52.0 42.0 63.0

Manual Integrations

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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

50000

40000

30000

20000

10000

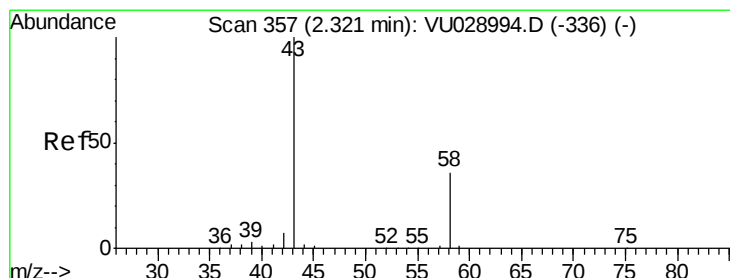
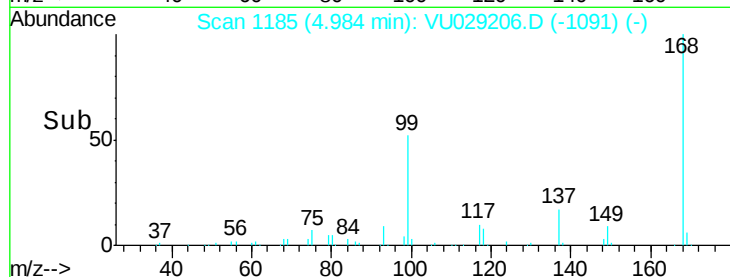
0

4.90

5.00

5.10

Time-->



#16

Acetone

Concen: 5.930 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU029206.D

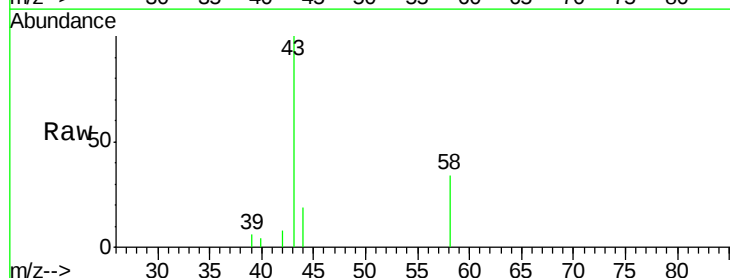
Acq: 16 Jan 2019 13:53

Tgt Ion: 43 Resp: 5022

Ion Ratio Lower Upper

43 100

58 33.8 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

2000

1000

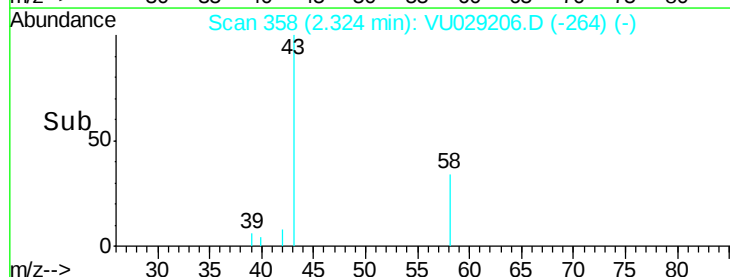
0

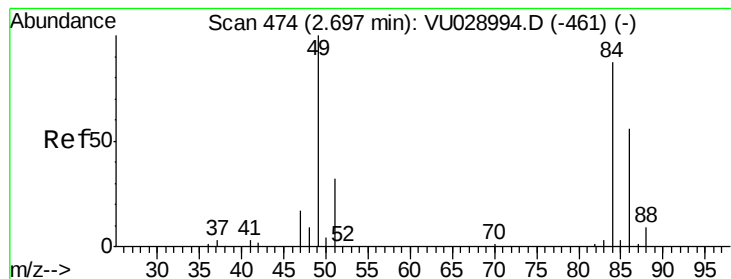
2.25

2.30

2.35

Time-->





#20

Methvlene Chloride

Concen: 102.358 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU029206.D

Acq: 16 Jan 2019 13:53

Instrument :

MSVOA_U

ClientSampleId :

TP-8

Tot Ion: 84 Resp: 147175

Ion Ratio Lower Upper

84 100

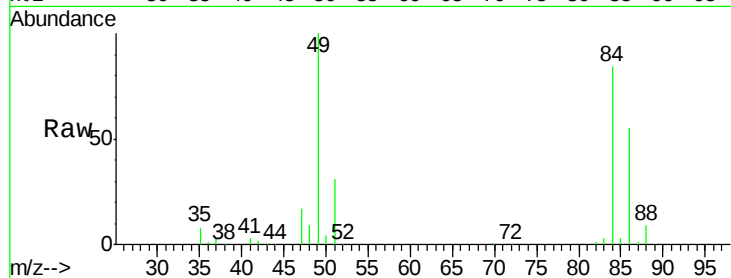
49 119.3 91.9 137.9

51 37.5 29.2 43.8

86 65.6 51.8 77.6

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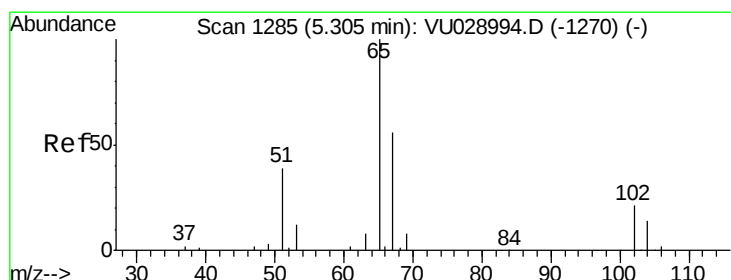
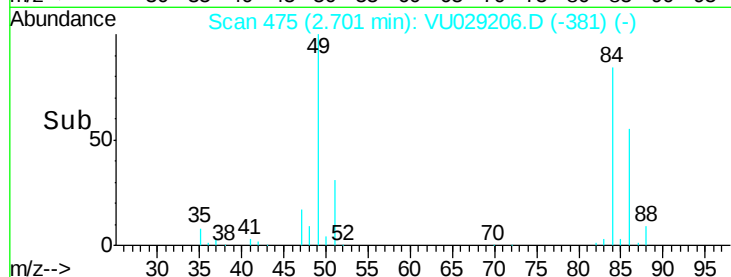
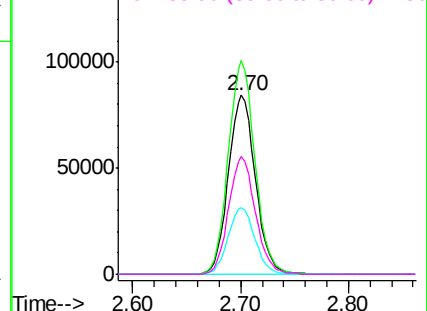
Abundance

Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#33

1,2-Dichloroethane-d4

Concen: 55.765 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU029206.D

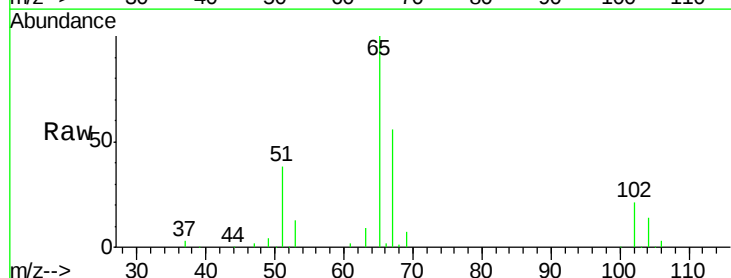
Acq: 16 Jan 2019 13:53

Tgt Ion: 65 Resp: 74966

Ion Ratio Lower Upper

65 100

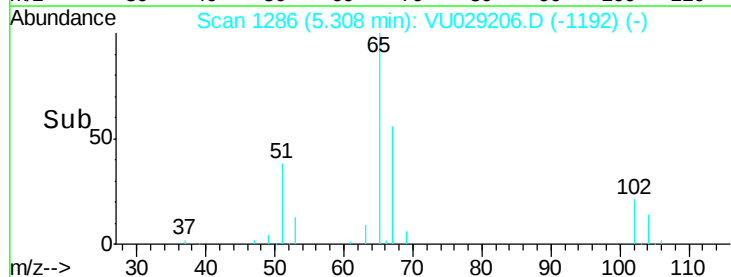
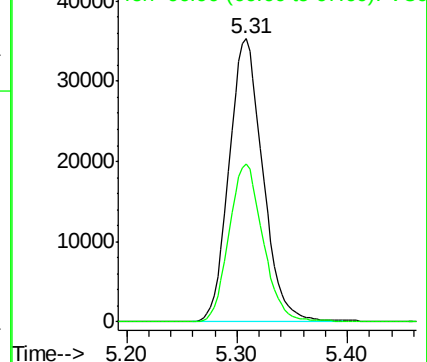
67 56.2 0.0 111.0



Abundance

Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0





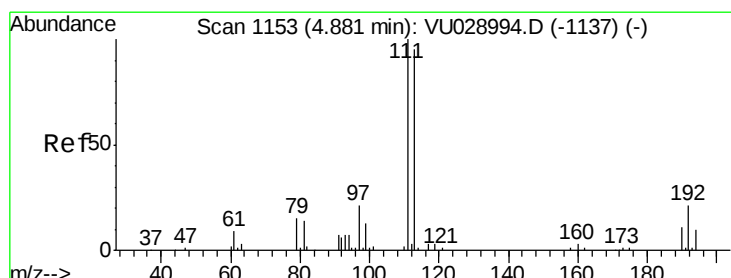
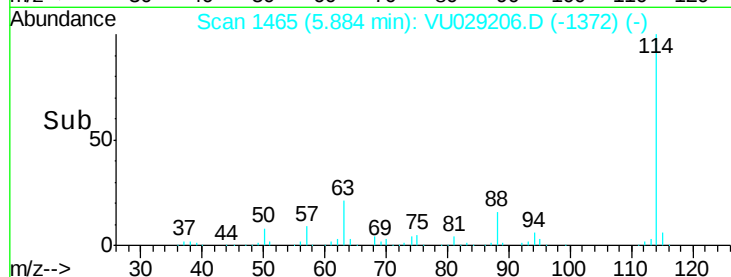
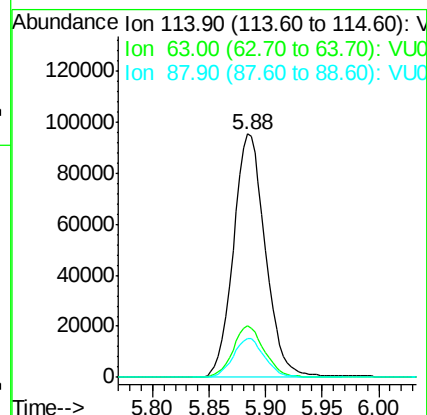
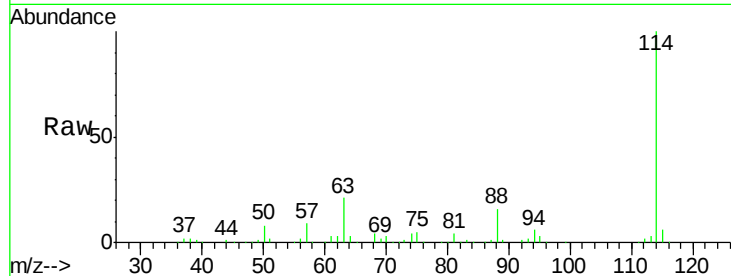
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029206.D
 Acq: 16 Jan 2019 13:53

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-8

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	21.0	0.0	40.2
88	15.9	0.0	30.4

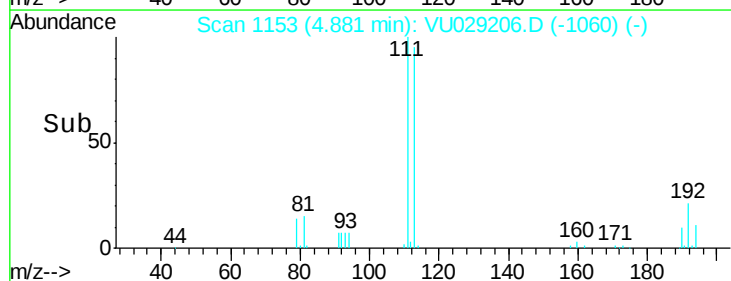
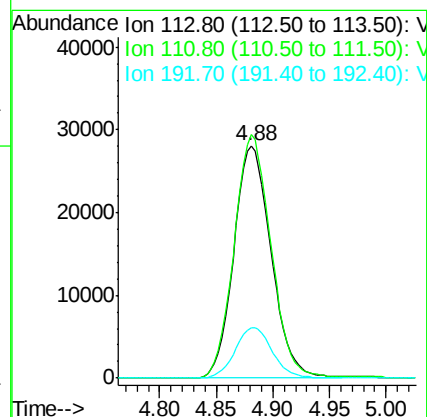
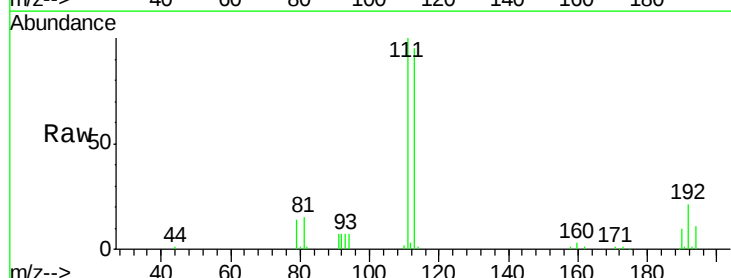
Manual Integrations
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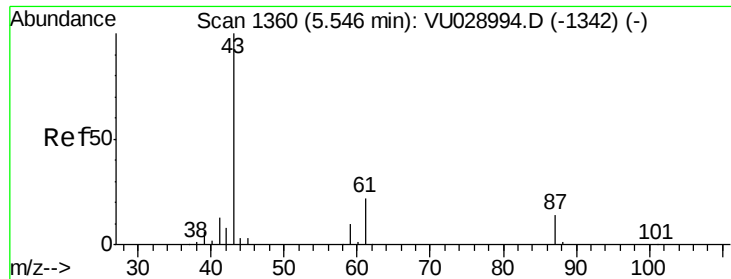
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#35
 Dibromofluoromethane
 Concen: 52.964 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029206.D
 Acq: 16 Jan 2019 13:53

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	103.4	81.4	122.2
192	21.5	16.8	25.2





#43

Isopropyl Acetate

Concen: 2.507 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VU029206.D

Acq: 16 Jan 2019 13:53

Instrument :

MSVOA_U

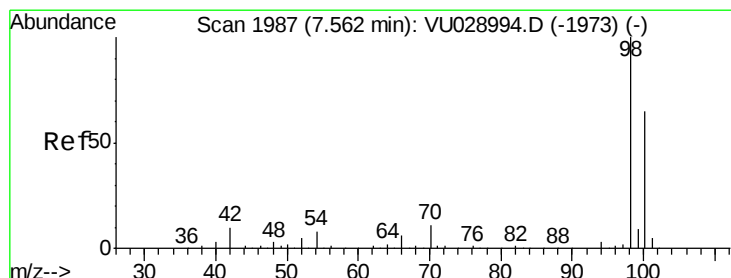
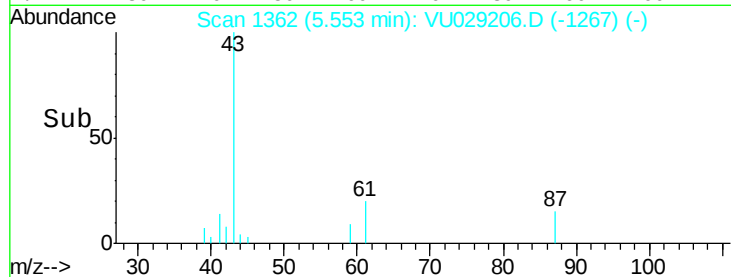
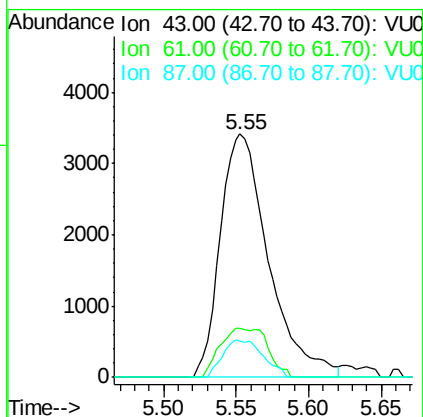
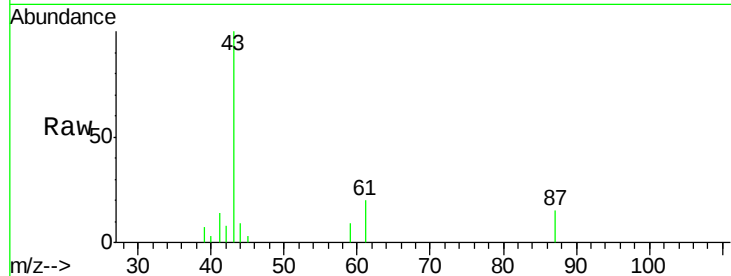
ClientSampleId :

TP-8

Tot Ion:	43	Resp:	7921
Ion	Ratio	Lower	Upper
43	100		
61	19.8	17.8	26.6
87	12.7	11.3	16.9

Manual Integrations
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#50

Toluene-d8

Concen: 51.339 ug/l

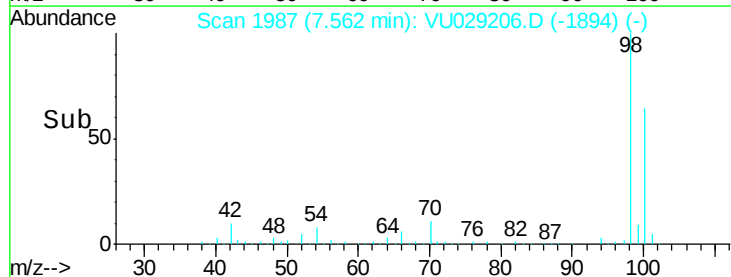
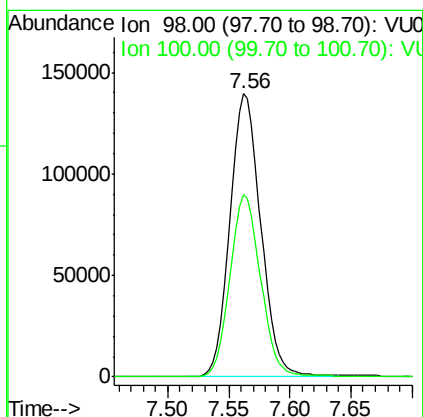
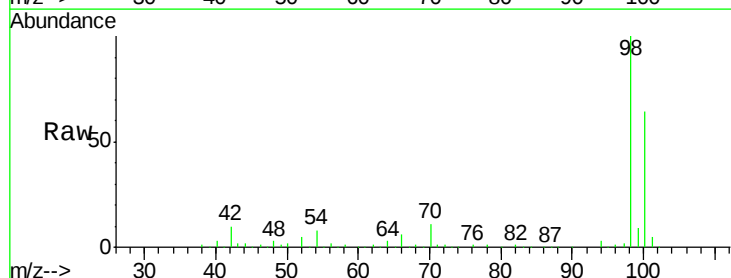
RT: 7.56 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VU029206.D

Acq: 16 Jan 2019 13:53

Tgt Ion:	98	Resp:	246659
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.6	77.4





#62

4-Bromofluorobenzene

Concen: 45.384 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029206.D

Acq: 16 Jan 2019 13:53

Instrument :

MSVOA_U

ClientSampleId :

TP-8

Tot Ion: 95 Resp: 78362

Ion Ratio Lower Upper

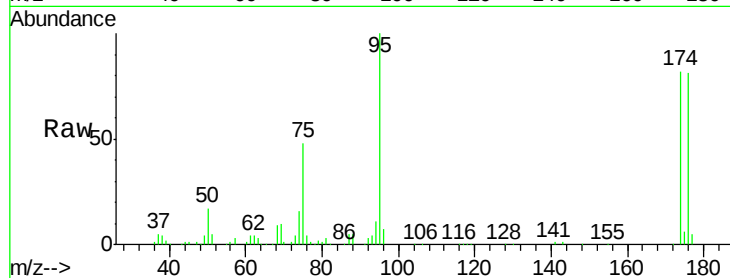
95 100

174 85.1 0.0 170.6

176 83.1 0.0 165.0

Manual Integrations
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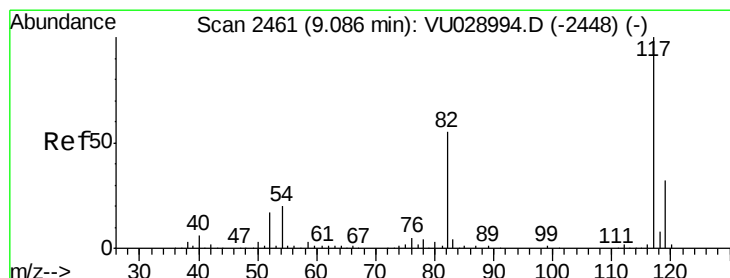
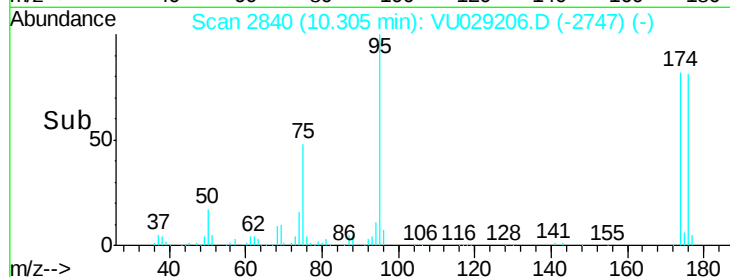
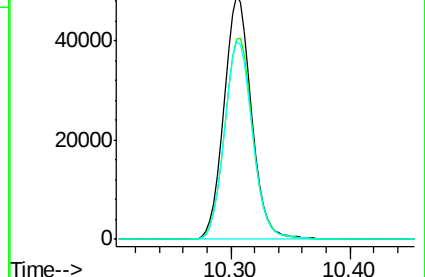
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Abundance Ion 94.90 (94.60 to 95.60): VU028994.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028994.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028994.D (-2828) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VU029206.D

Acq: 16 Jan 2019 13:53

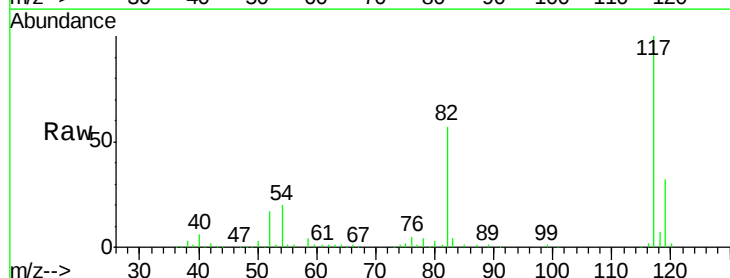
Tgt Ion: 117 Resp: 180120

Ion Ratio Lower Upper

117 100

82 57.0 43.9 65.9

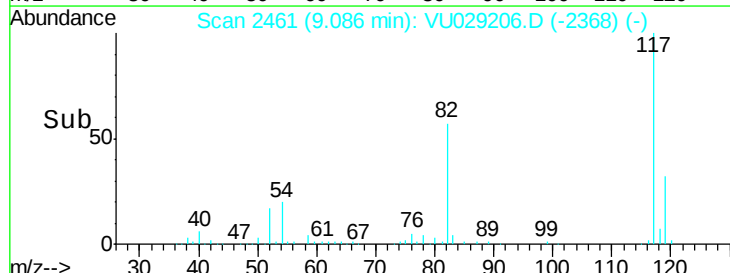
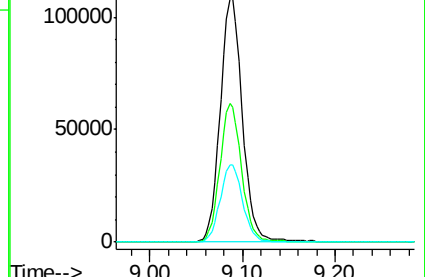
119 31.8 26.0 39.0

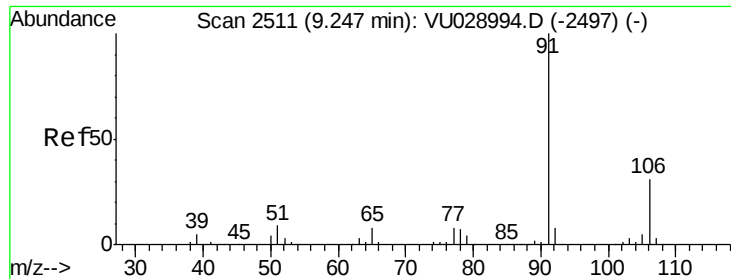


Abundance Ion 116.90 (116.60 to 117.60): VU028994.D (-2448) (-)

Ion 82.00 (81.70 to 82.70): VU028994.D (-2448) (-)

Ion 118.90 (118.60 to 119.60): VU028994.D (-2448) (-)





#67

Ethyl Benzene

Concen: 76.997 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU029206.D

Acq: 16 Jan 2019 13:53

Instrument :

MSVOA_U

ClientSampled :

TP-8

Tot Ion: 91 Resp: 519016

Ion Ratio Lower Upper

91 100

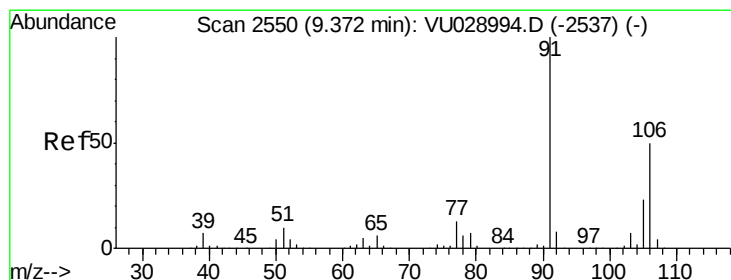
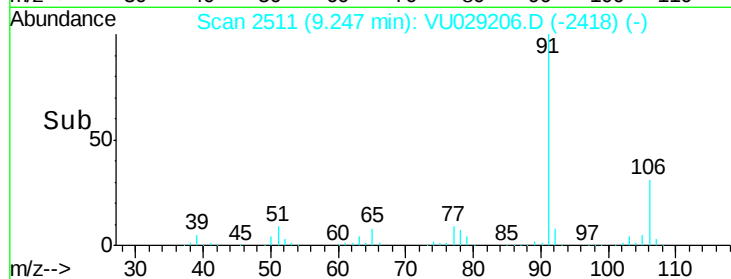
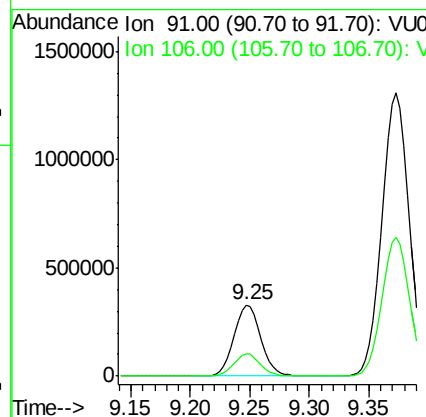
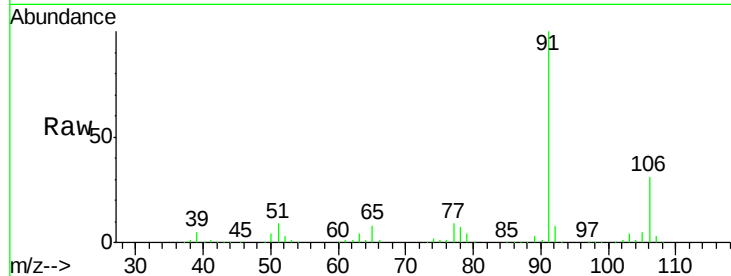
106 31.5 25.0 37.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 397.474 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU029206.D

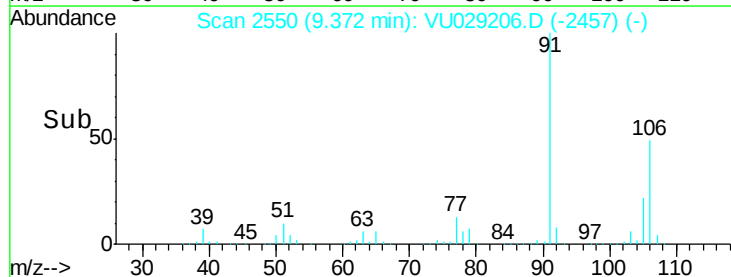
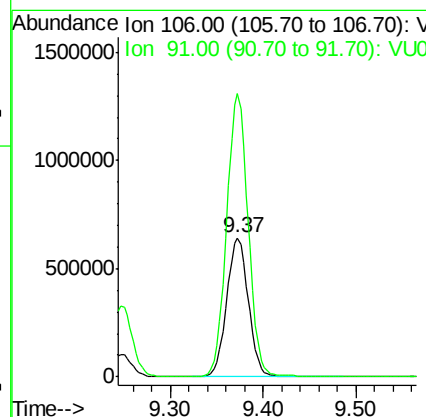
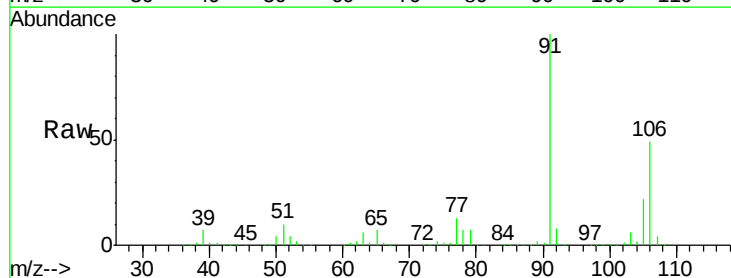
Acq: 16 Jan 2019 13:53

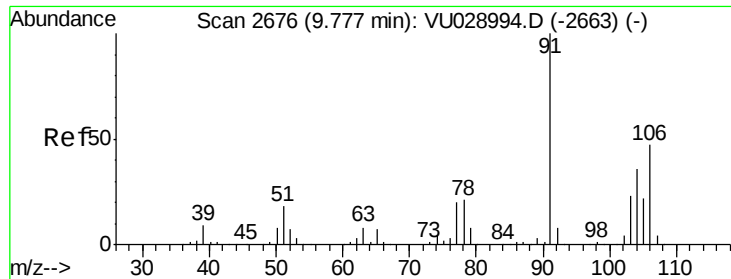
Tgt Ion: 106 Resp: 1041030

Ion Ratio Lower Upper

106 100

91 202.4 161.7 242.5





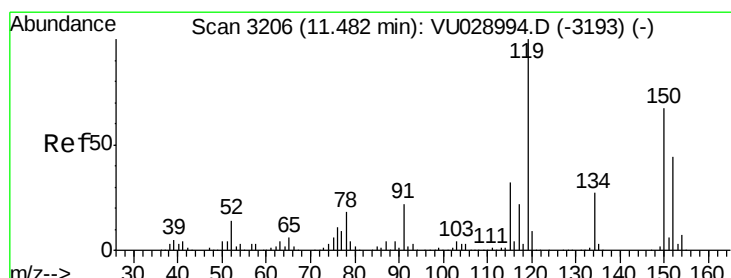
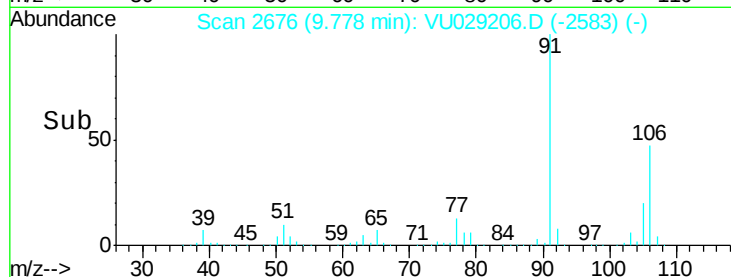
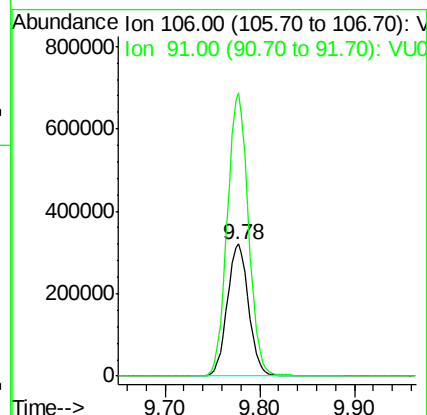
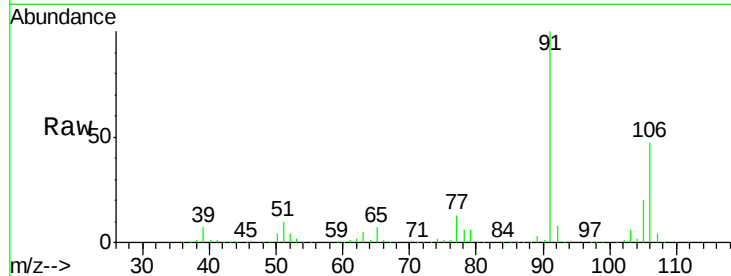
#69
o-Xylene
Concen: 199.214 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029206.D
Acq: 16 Jan 2019 13:53

Instrument :
MSVOA_U
ClientSampled :
TP-8

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.2	106.1	318.3

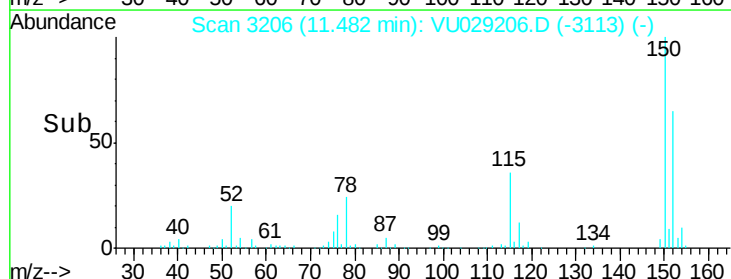
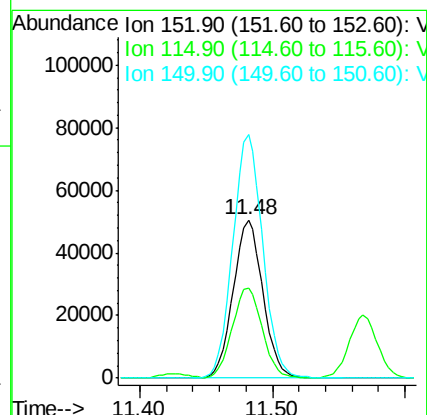
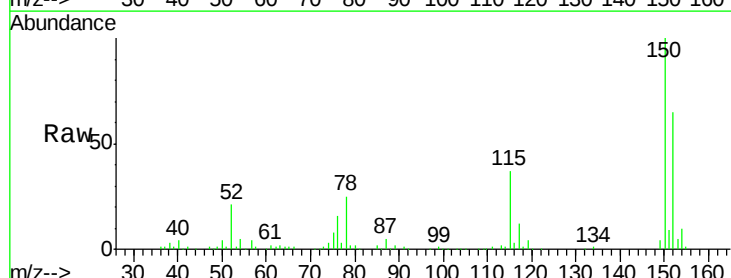
Manual Integrations
APPROVED

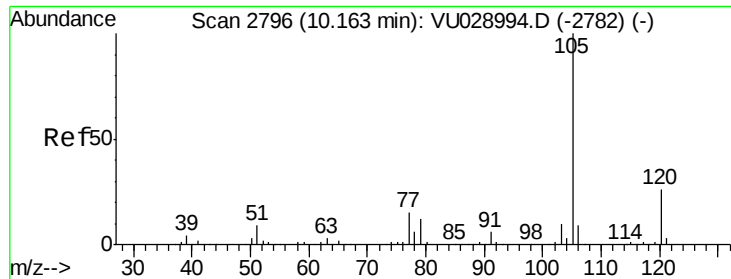
MMDadoda
1/17/2019 9:43:40 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU029206.D
Acq: 16 Jan 2019 13:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	40.1	120.3
150	154.8	0.0	345.2





#73

Isopropylbenzene

Concen: 3.099 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU029206.D

Acq: 16 Jan 2019 13:53

Instrument :

MSVOA_U

ClientSampled :

TP-8

Tot Ion: 105 Resp: 18015

Ion Ratio Lower Upper

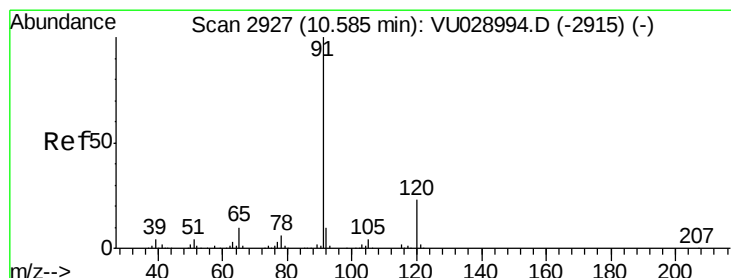
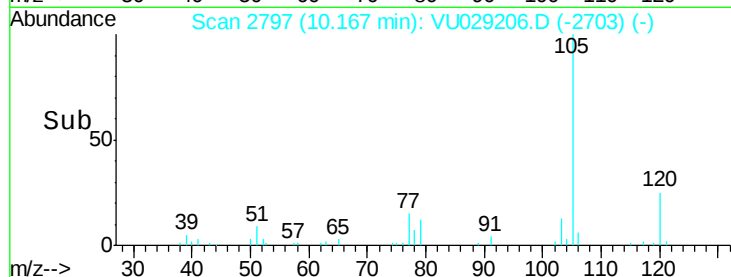
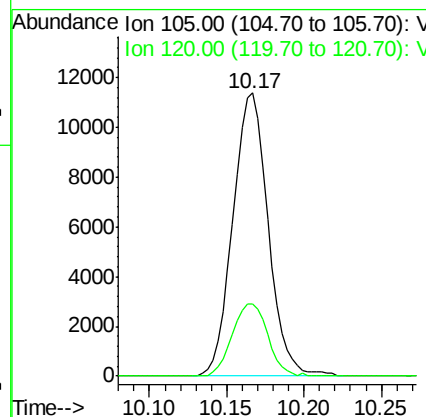
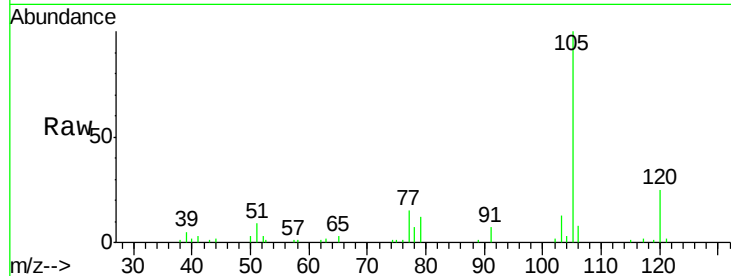
105 100

120 25.5 13.2 39.5

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#78

n-propylbenzene

Concen: 16.194 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029206.D

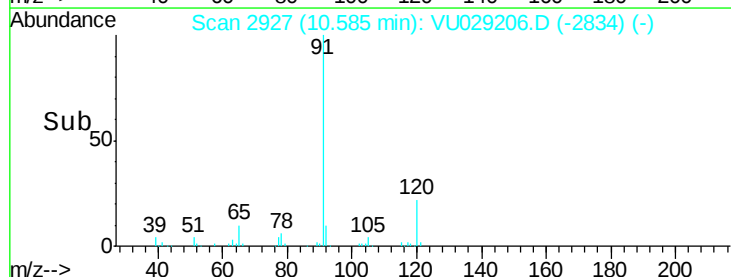
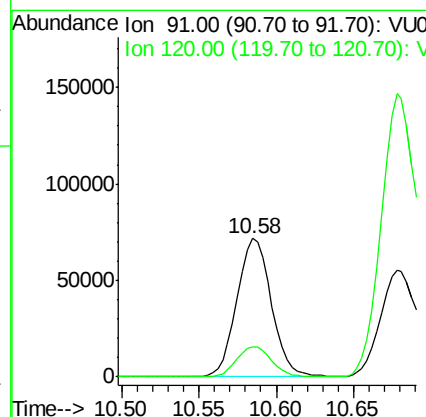
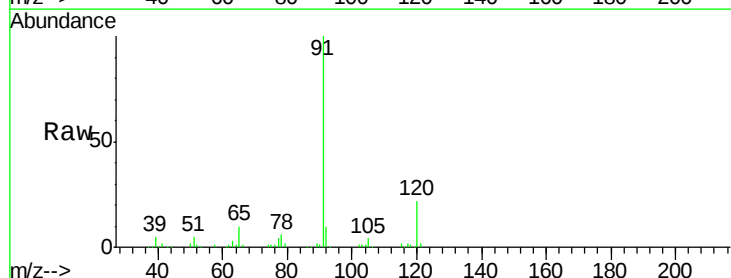
Acq: 16 Jan 2019 13:53

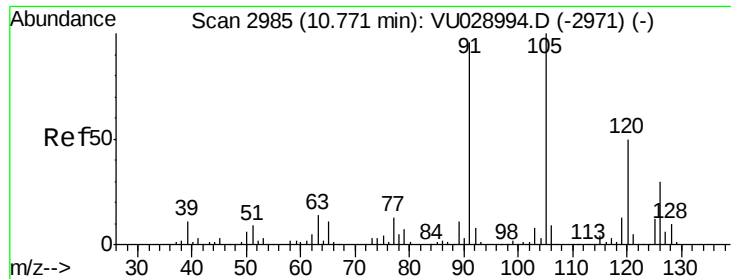
Tgt Ion: 91 Resp: 110945

Ion Ratio Lower Upper

91 100

120 22.1 11.3 33.9





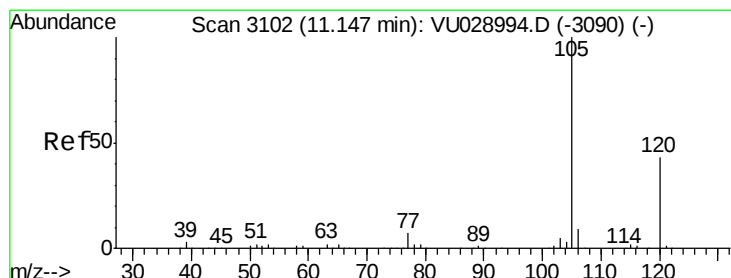
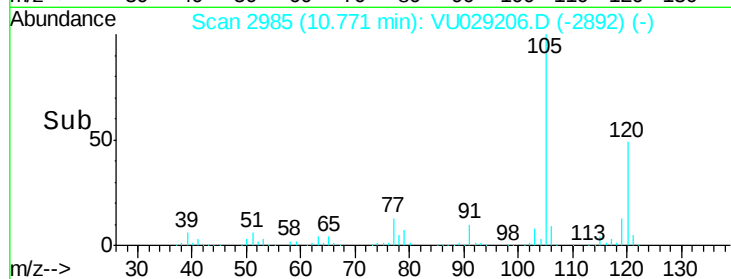
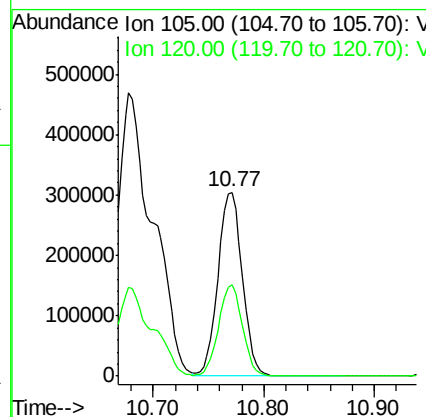
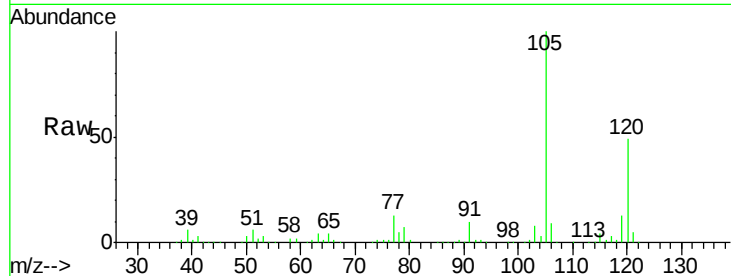
#80
 1,3,5-Trimethylbenzene
 Concen: 95.723 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU029206.D
 Acq: 16 Jan 2019 13:53

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-8

Tot Ion:105 Resp: 464715
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.8 74.4

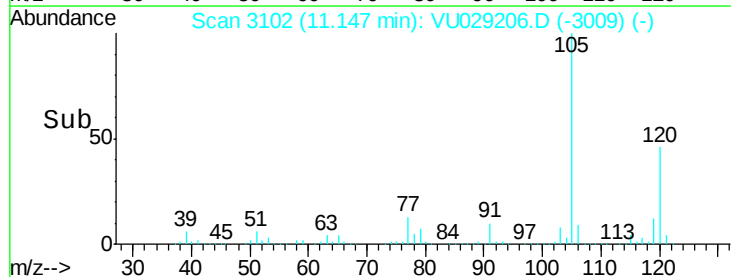
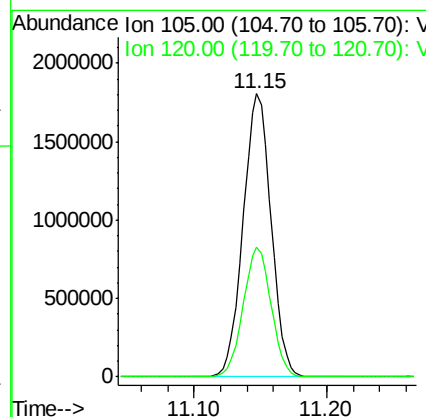
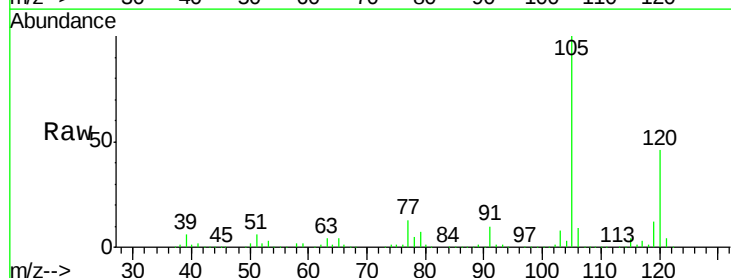
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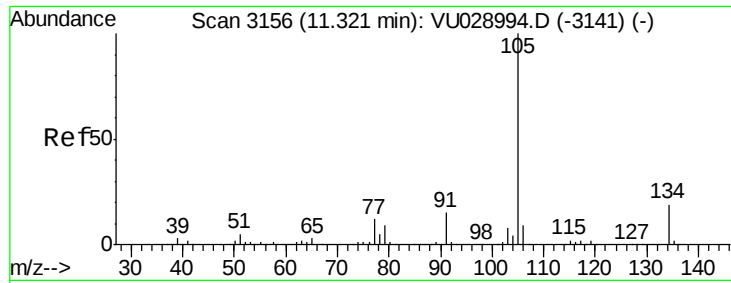
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#84
 1,2,4-Trimethylbenzene
 Concen: 543.999 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU029206.D
 Acq: 16 Jan 2019 13:53

Tgt Ion:105 Resp: 2636762
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.1 69.3





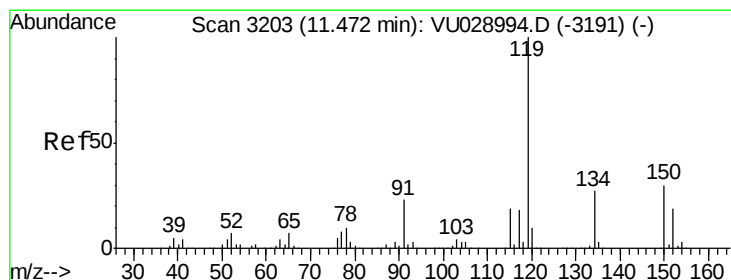
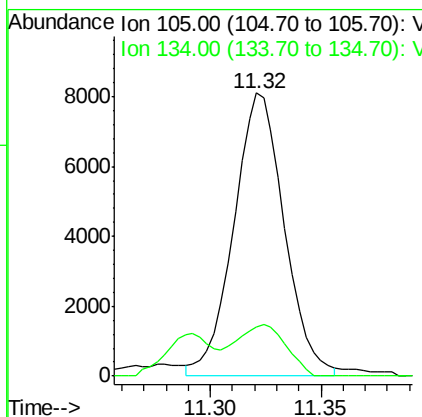
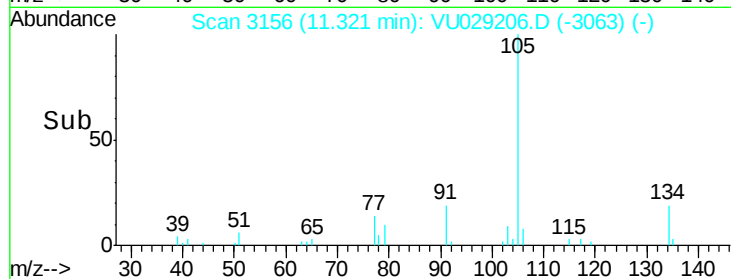
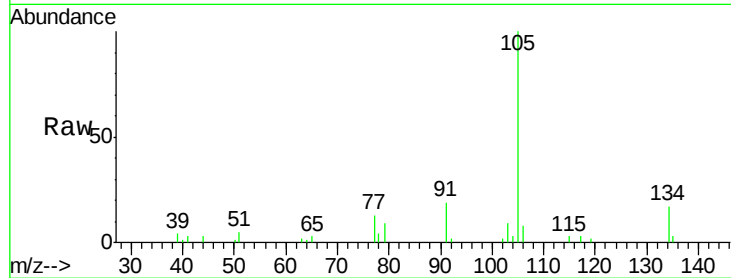
#85
 sec-Butylbenzene
 Concen: 2.230 ug/l m
 RT: 11.32 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU029206.D
 Acq: 16 Jan 2019 13:53

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-8

Tot Ion:105 Resp: 12907
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.7 29.1#

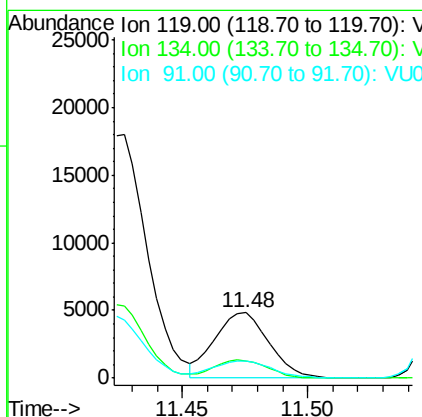
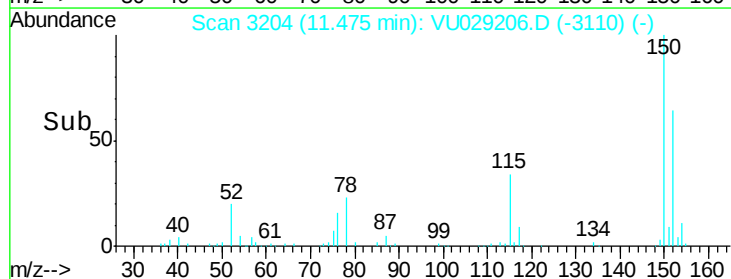
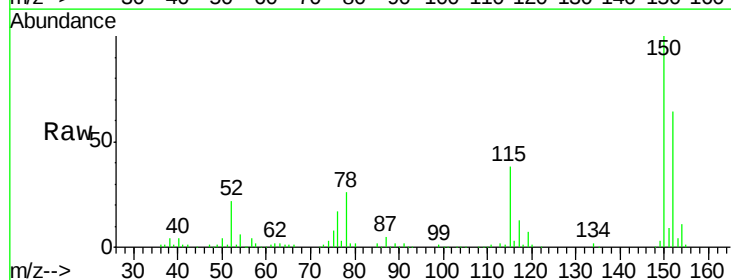
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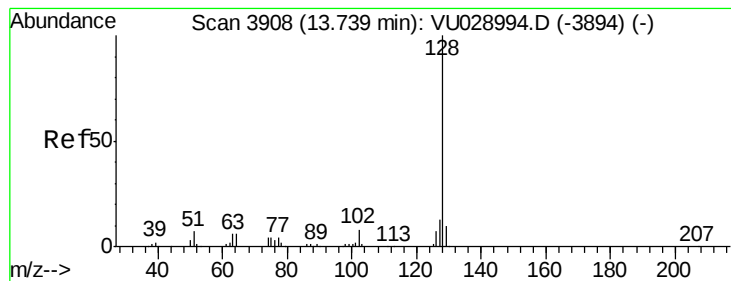
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#86
 p-Isopropyltoluene
 Concen: 1.479 ug/l m
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU029206.D
 Acq: 16 Jan 2019 13:53

Tgt Ion:119 Resp: 7294
 Ion Ratio Lower Upper
 119 100
 134 107.5 13.5 40.4#
 91 93.0 11.3 33.8#





#95

Naphthalene

Concen: 6.097 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU029206.D

Acq: 16 Jan 2019 13:53

Instrument :

MSVOA_U

ClientSampleId :

TP-8

Tot Ion:	128	Resp:	37058
Ion Ratio		Lower	Upper
128	100		
127	13.2	10.1	15.1
129	10.4	8.5	12.7

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