

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027271.D
 Acq On : 28 Sep 2018 15:05
 Operator : MD/SY
 Sample : J5041-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0257

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 1:07:50 PM

Quant Time: Oct 02 06:55:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	108807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	175939	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	171490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	90264	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	103223	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
35) Dibromofluoromethane	4.88	113	71406	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
50) Toluene-d8	7.57	98	304945	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
62) 4-Bromofluorobenzene	10.31	95	102116	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.00	56	1409115	436.161	ug/l	97
39) Methylcyclohexane	6.42	83	1260659	494.041	ug/l	98
40) Benzene	5.39	78	10503	1.471	ug/l	100
67) Ethyl Benzene	9.25	91	265095	35.454	ug/l	99
68) m/p-Xylenes	9.38	106	16281	6.797	ug/l	99
69) o-Xylene	9.78	106	1400	0.528	ug/l	81
73) Isopropylbenzene	10.17	105	627829	91.437	ug/l	99
78) n-propylbenzene	10.59	91	956772	117.765	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	13092	2.310	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	4265567	739.495	ug/l	99
85) sec-Butylbenzene	11.32	105	112107m	16.389	ug/l	
86) p-Isopropyltoluene	11.48	119	66231	11.055	ug/l	97
89) n-Butylbenzene	11.89	91	64936	12.329	ug/l #	78
95) Naphthalene	13.74	128	1487945	194.073	ug/l	99

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

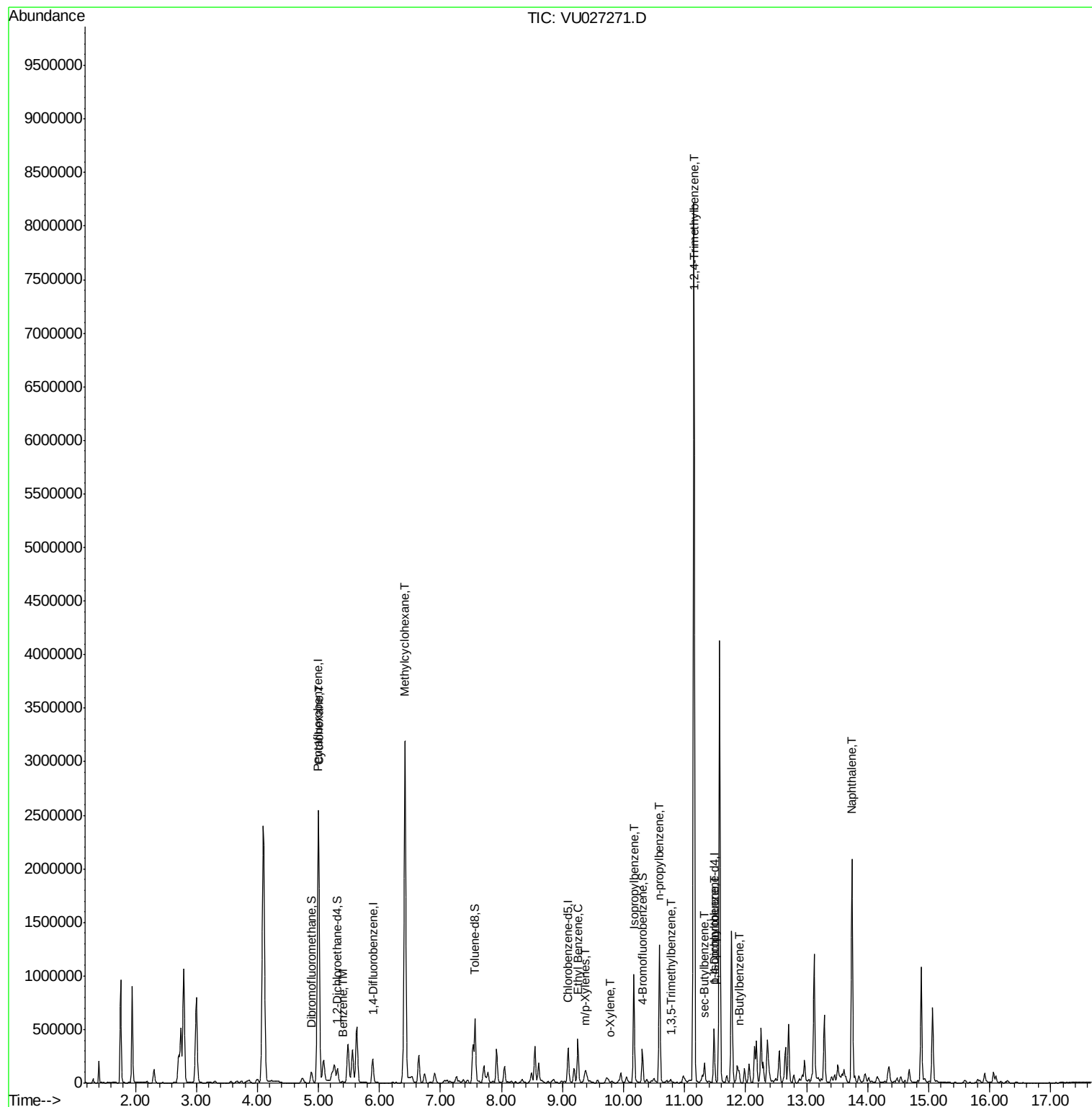
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092818\
Data File : VU027271.D
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Operator : MD/SY
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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

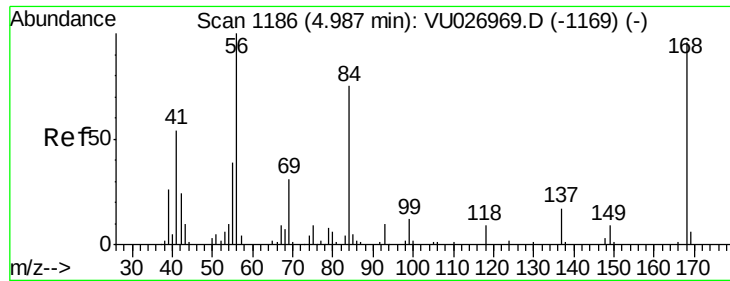
Instrument :
MSVOA_U
ClientSampleId :
S13-0257

Manual Integrations
APPROVED

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Quant Time: Oct 02 06:55:45 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027271.D

Acq: 28 Sep 2018 15:05

Instrument :

MSVOA_U

ClientSampled :

S13-0257

Tot Ion:168 Resp: 108807

Ion Ratio Lower Upper

168 100

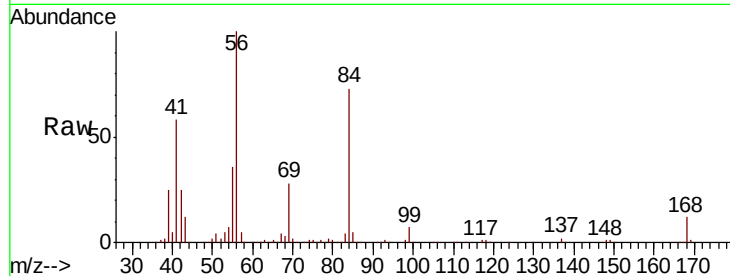
99 61.5 48.1 72.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

50000

40000

30000

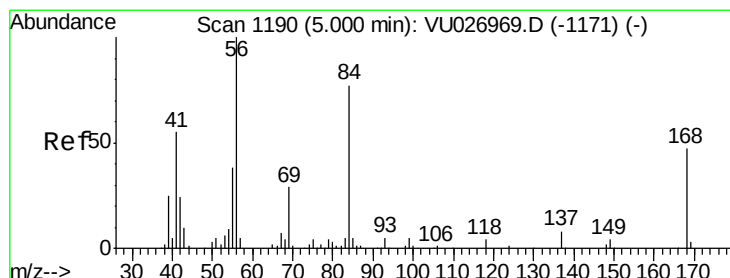
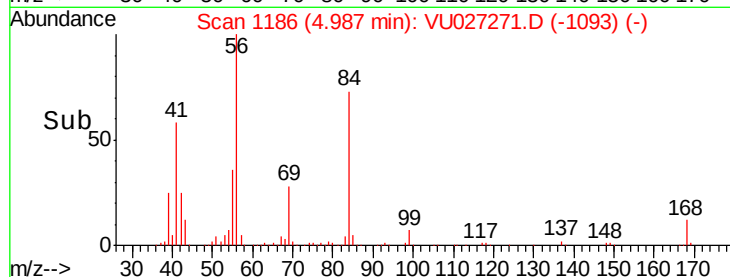
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#31

Cyclohexane

Concen: 436.161 ug/l

RT: 5.00 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VU027271.D

Acq: 28 Sep 2018 15:05

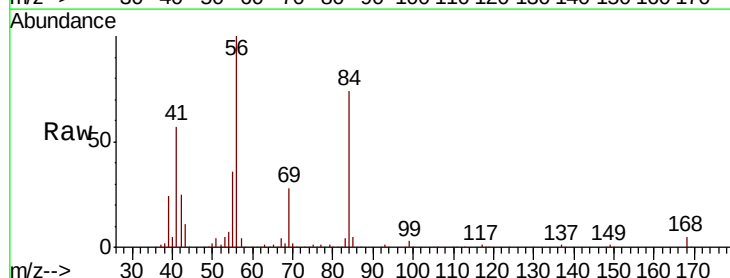
Tgt Ion: 56 Resp: 1409115

Ion Ratio Lower Upper

56 100

69 28.0 23.0 34.4

84 74.2 61.4 92.2



Abundance Ion 56.00 (55.70 to 56.70): VU026969.D (-1171) (-)

Ion 69.00 (68.70 to 69.70): VU026969.D (-1171) (-)

Ion 84.00 (83.70 to 84.70): VU026969.D (-1171) (-)

5.00

800000

600000

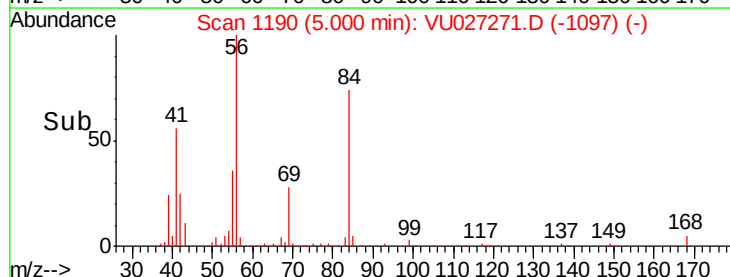
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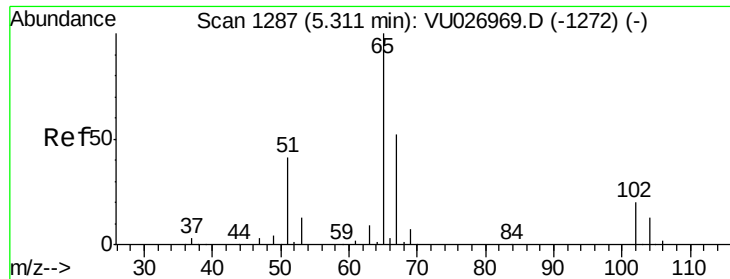
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0

4.90 4.95 5.00 5.05

Time-->





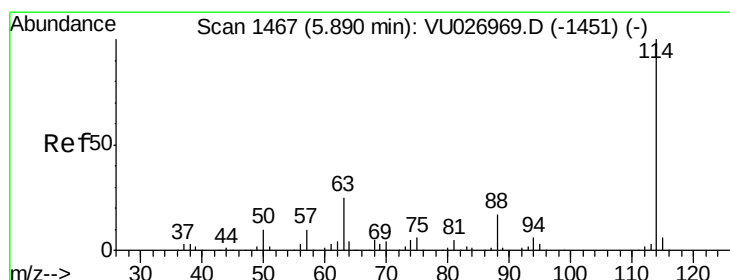
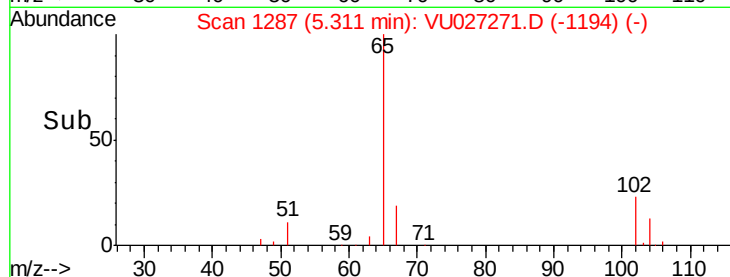
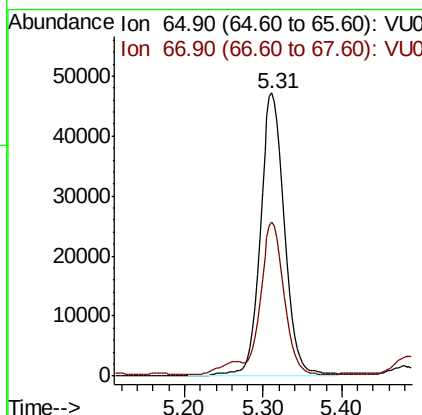
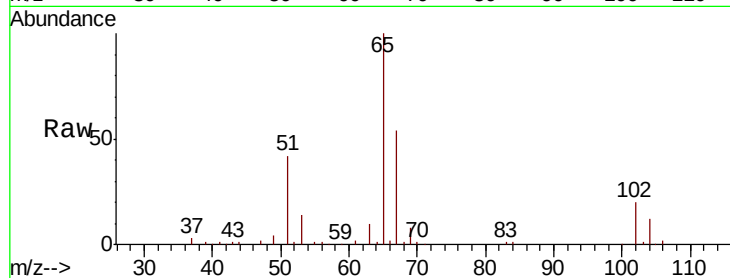
#33
 1,2-Dichloroethane-d4
 Concen: 47.135 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027271.D
 Acq: 28 Sep 2018 15:05

Instrument :
 MSVOA_U
 ClientSampled :
 S13-0257

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	105.6

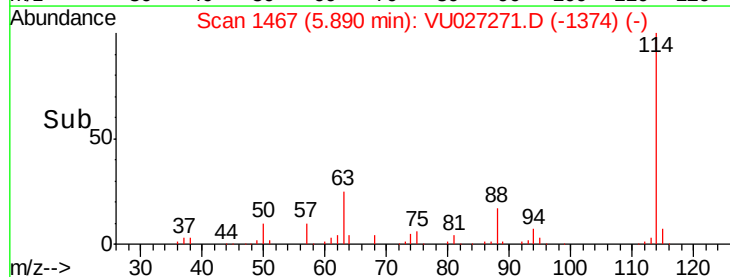
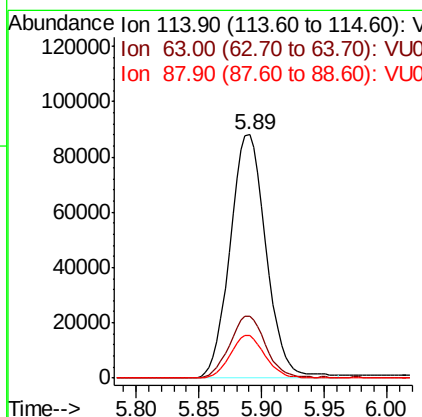
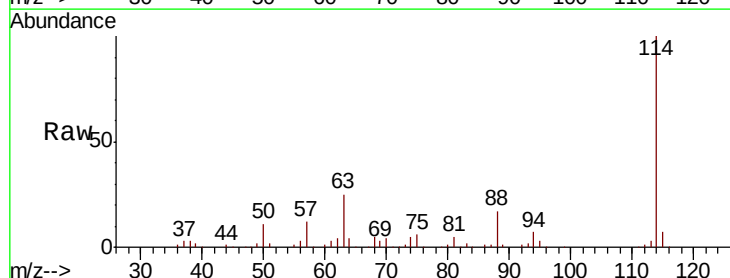
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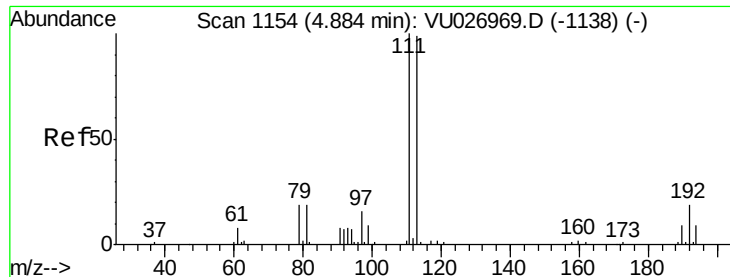
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027271.D
 Acq: 28 Sep 2018 15:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.3	0.0	49.2
88	17.3	0.0	33.8





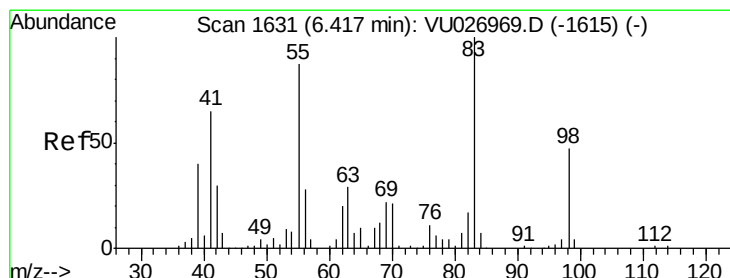
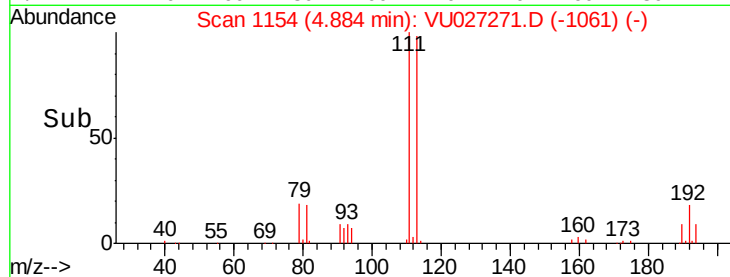
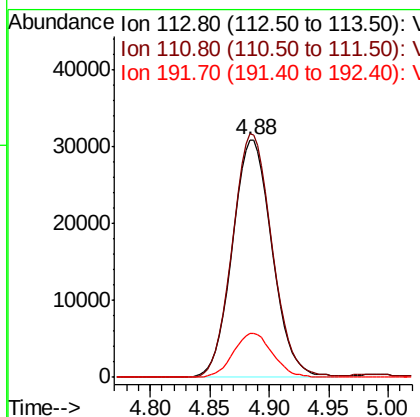
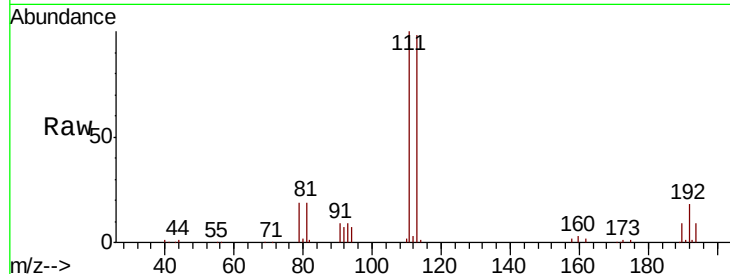
#35
 Dibromofluoromethane
 Concen: 46.822 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027271.D
 Acq: 28 Sep 2018 15:05

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0257

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	18.2	15.2	22.8

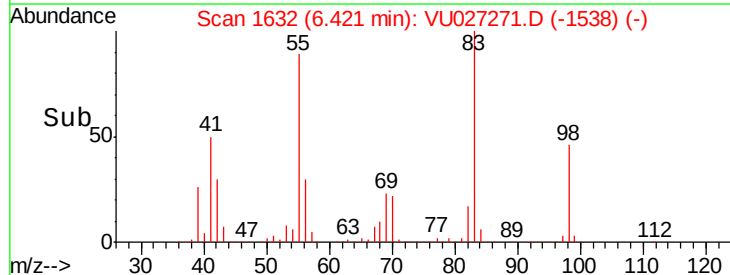
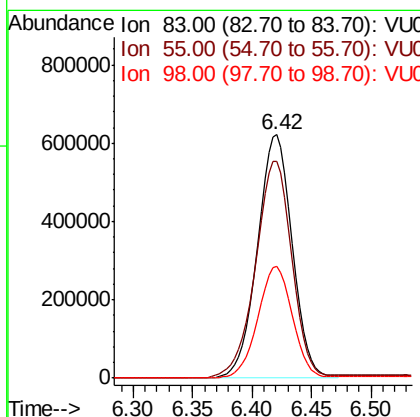
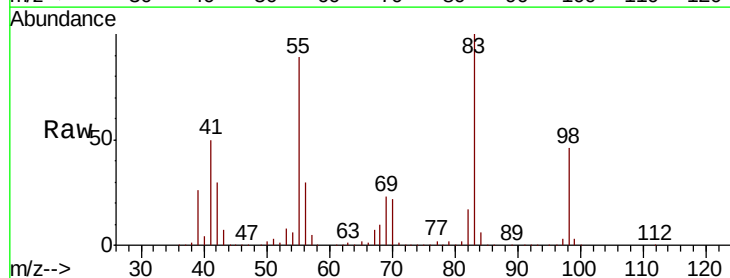
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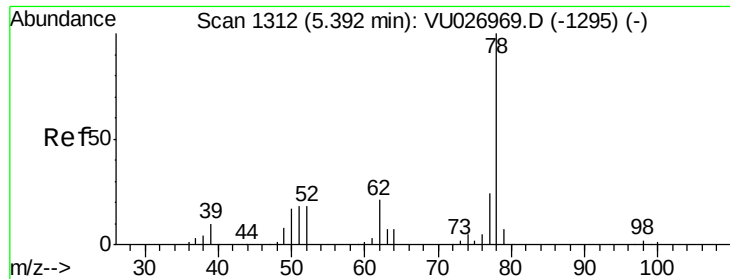
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 10/2/2018 1:07:50 PM



#39
 Methylcyclohexane
 Concen: 494.041 ug/l
 RT: 6.42 min Scan# 1632
 Delta R.T. 0.00 min
 Lab File: VU027271.D
 Acq: 28 Sep 2018 15:05

Tgt Ion	Ratio	Lower	Upper
83	100		
55	89.2	69.9	104.9
98	45.7	37.5	56.3





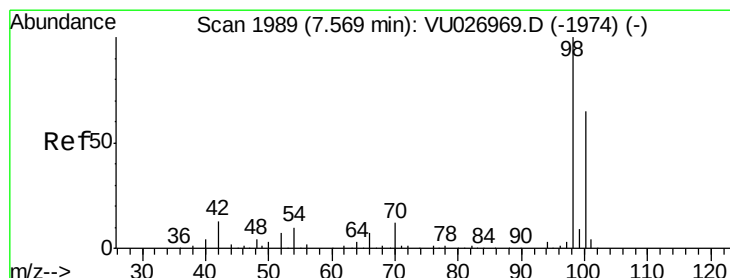
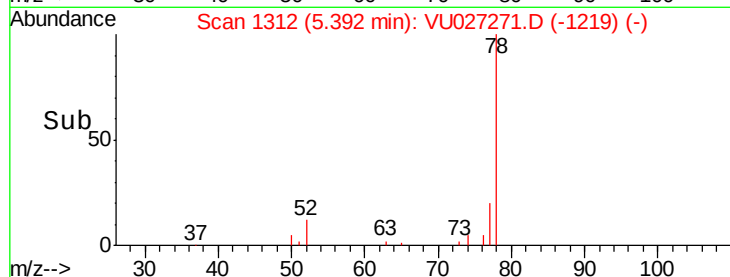
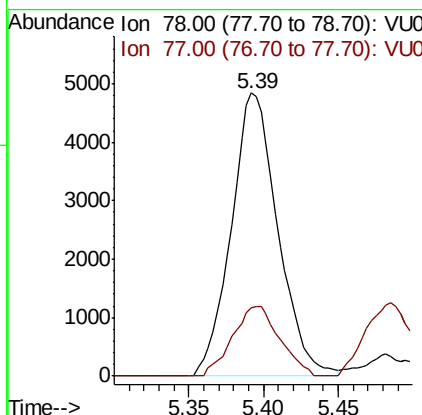
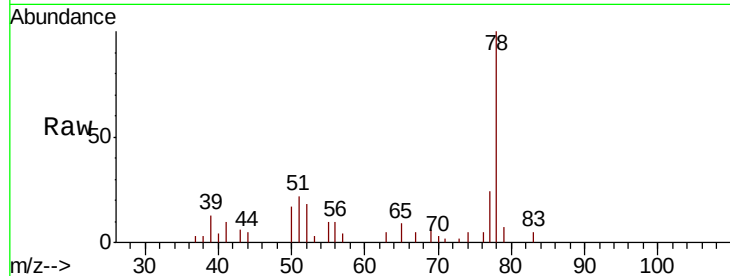
#40
Benzene
Concen: 1.471 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027271.D
Acq: 28 Sep 2018 15:05

Instrument :
MSVOA_U
ClientSampled :
S13-0257

Tot Ion: 78 Resp: 10503
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.0

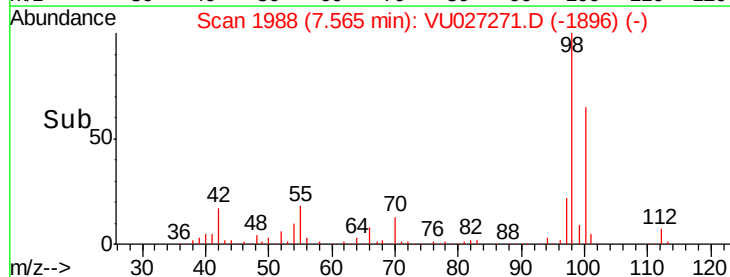
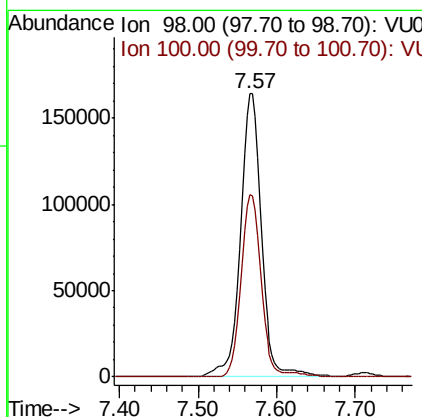
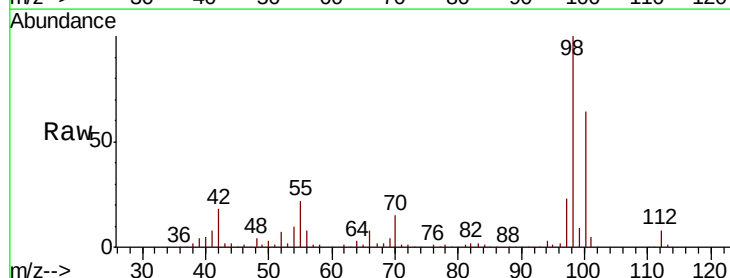
Manual Integrations
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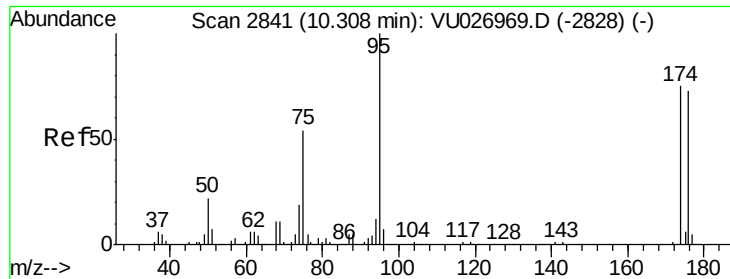
MMDadoda
10/2/2018 1:07:50 PM



#50
Toluene-d8
Concen: 52.468 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027271.D
Acq: 28 Sep 2018 15:05

Tgt Ion: 98 Resp: 304945
Ion Ratio Lower Upper
98 100
100 62.1 52.1 78.1





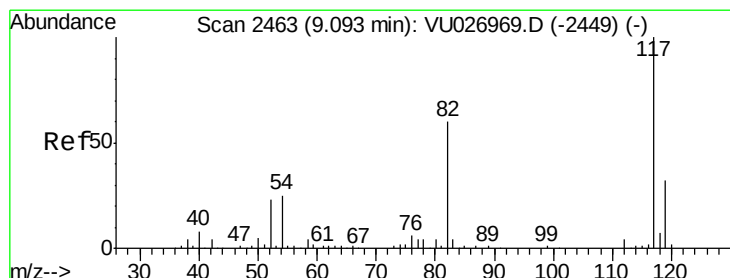
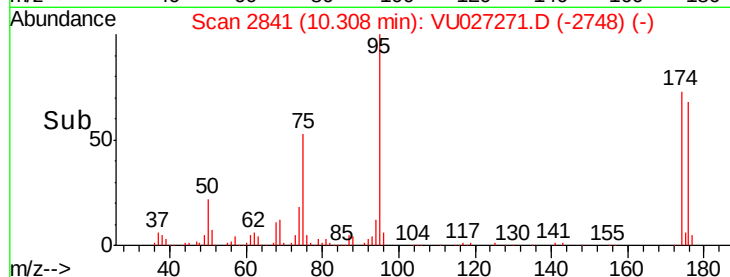
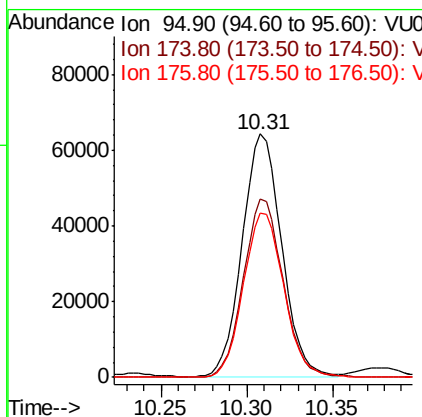
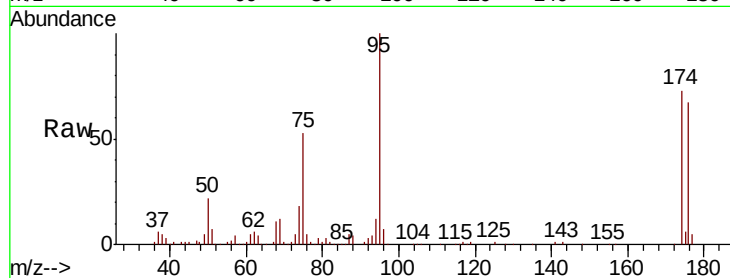
#62
4-Bromofluorobenzene
Concen: 51.204 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027271.D
Acq: 28 Sep 2018 15:05

Instrument :
MSVOA_U
ClientSampled :
S13-0257

Tot Ion	Ratio	Resp	Lower	Upper
95	100	102116		
174	74.0	0.0	150.2	
176	69.7	0.0	145.2	

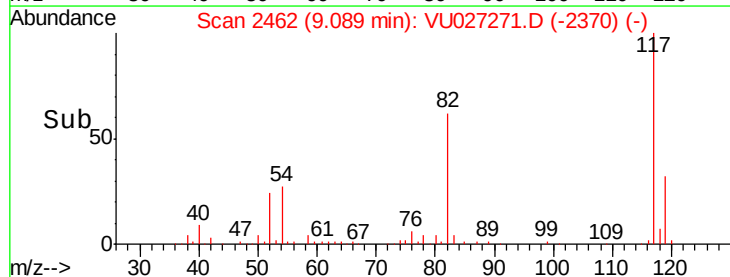
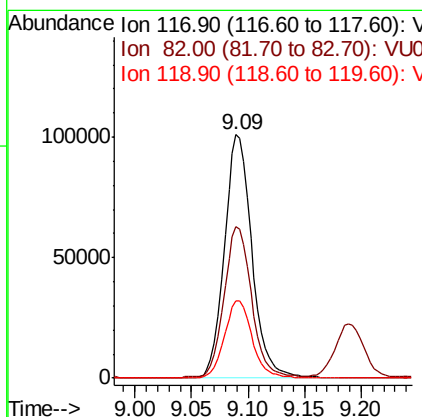
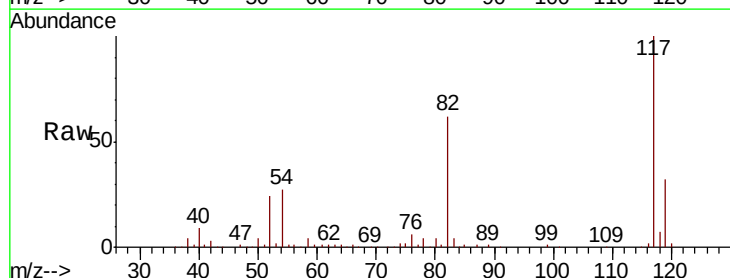
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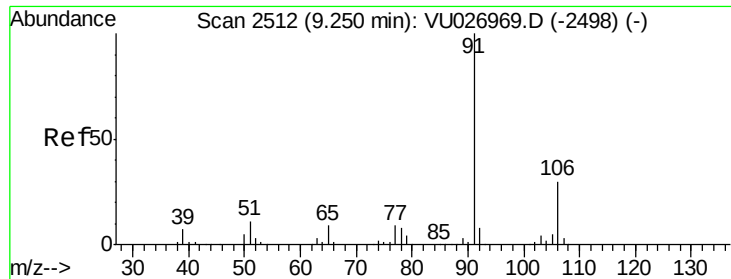
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027271.D
Acq: 28 Sep 2018 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	171490		
82	61.9	48.0	72.0	
119	31.6	25.8	38.8	





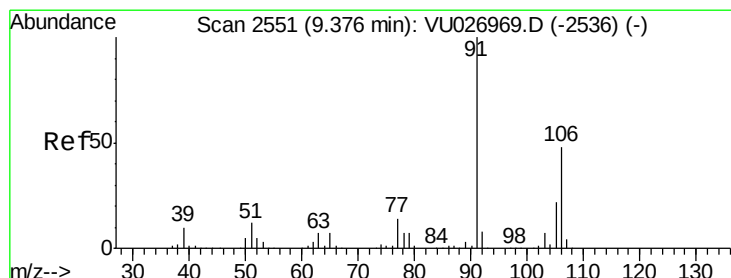
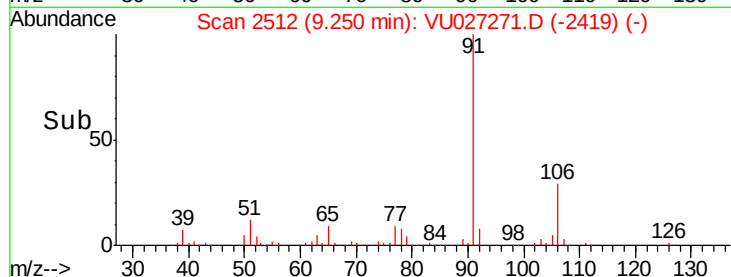
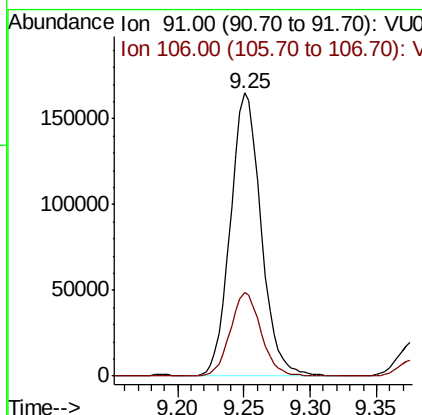
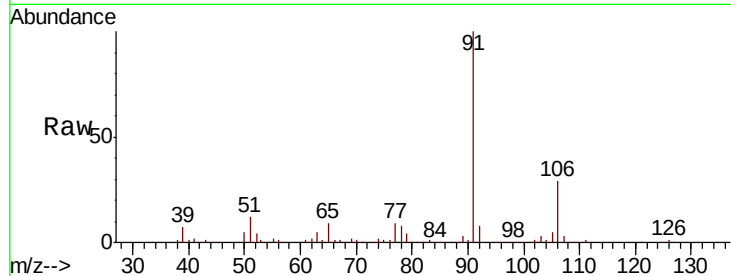
#67
Ethyl Benzene
Concen: 35.454 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027271.D
Acq: 28 Sep 2018 15:05

Instrument :
MSVOA_U
ClientSampleId :
S13-0257

Tot Ion	91	Resp	265095
Ion Ratio	100	Lower	Upper
106	29.5	23.8	35.8

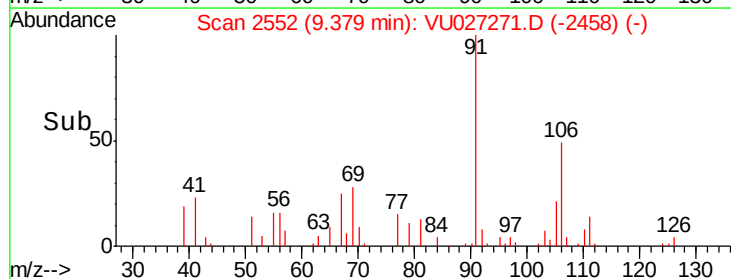
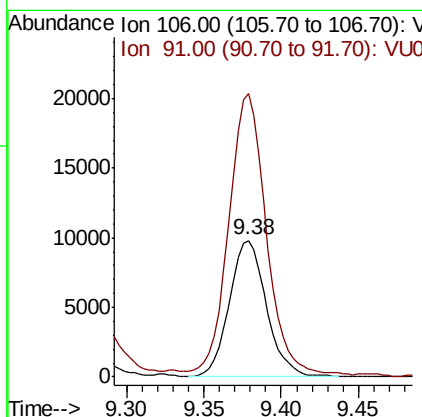
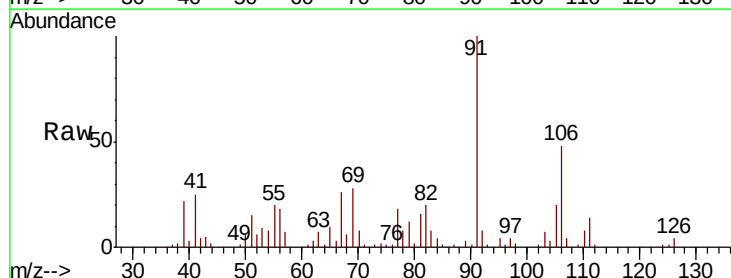
Manual Integrations
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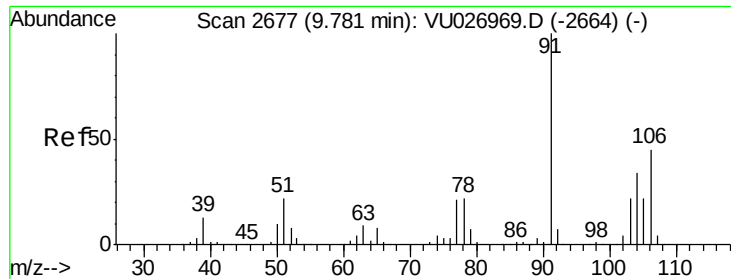
MMDadoda
10/2/2018 1:07:50 PM



#68
m/p-Xylenes
Concen: 6.797 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU027271.D
Acq: 28 Sep 2018 15:05

Tgt Ion	106	Resp	16281
Ion Ratio	100	Lower	Upper
91	207.1	166.5	249.7





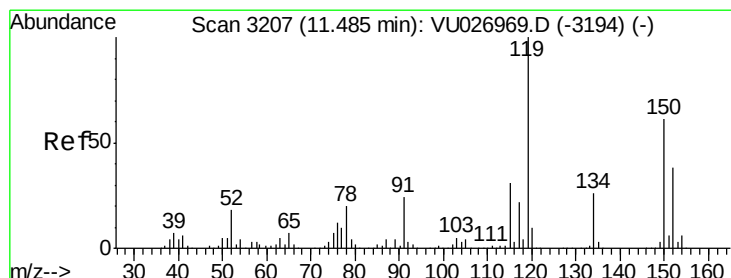
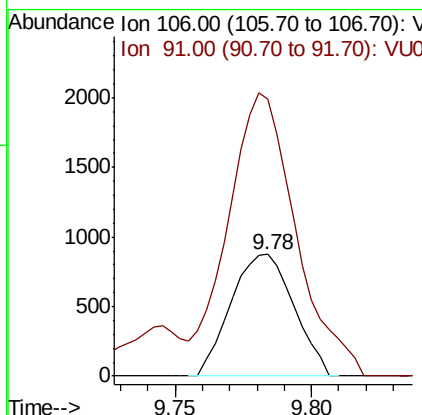
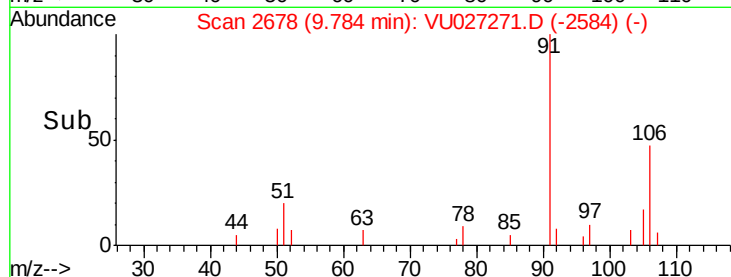
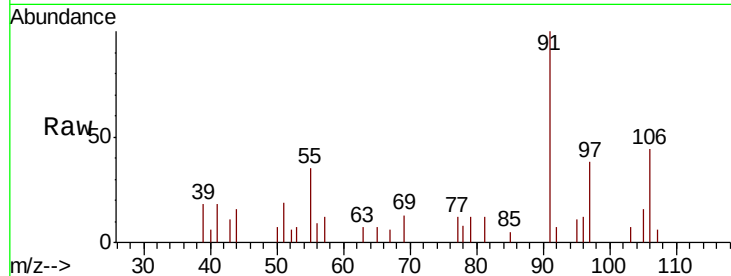
#69
o-Xylene
Concen: 0.528 ug/l
RT: 9.78 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VU027271.D
Acq: 28 Sep 2018 15:05

Instrument :
MSVOA_U
ClientSampled :
S13-0257

Tot Ion:106 Resp: 1400
Ion Ratio Lower Upper
106 100
91 251.1 110.2 330.6

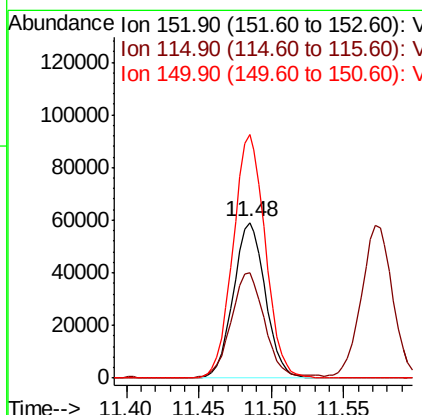
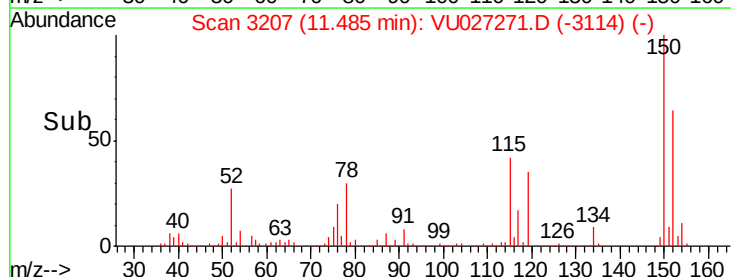
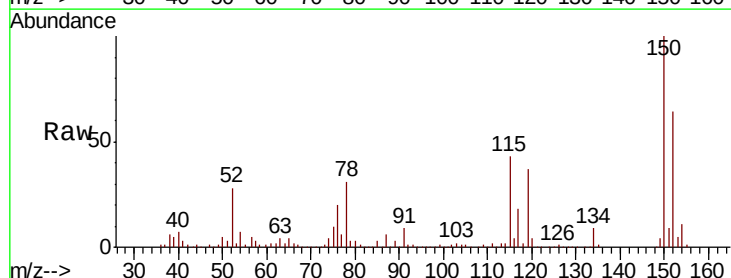
Manual Integrations
APPROVED

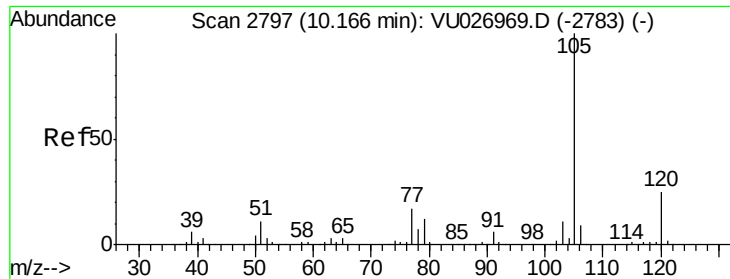
MMDadoda
10/2/2018 1:07:50 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027271.D
Acq: 28 Sep 2018 15:05

Tgt Ion:152 Resp: 90264
Ion Ratio Lower Upper
152 100
115 70.1 44.9 134.5
150 157.8 0.0 355.8





#73

Isopropylbenzene

Concen: 91.437 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027271.D

Acq: 28 Sep 2018 15:05

Instrument :

MSVOA_U

ClientSampleId :

S13-0257

Tot Ion: 105 Resp: 627829

Ion Ratio Lower Upper

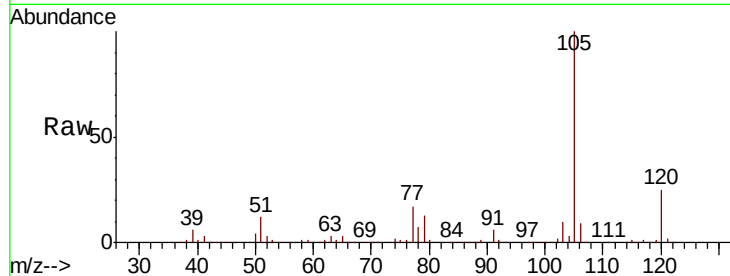
105 100

120 25.3 12.8 38.4

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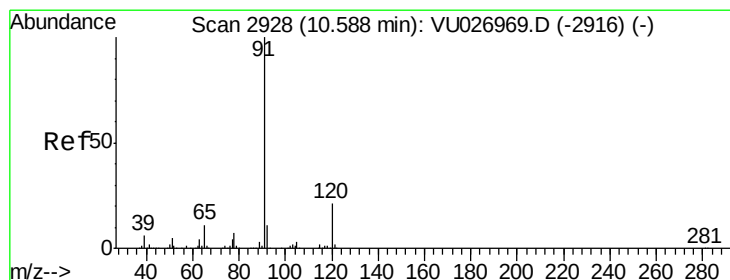
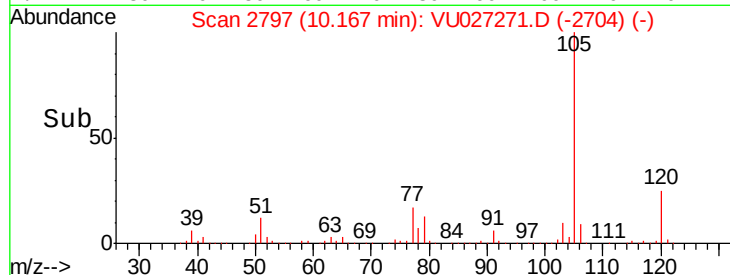
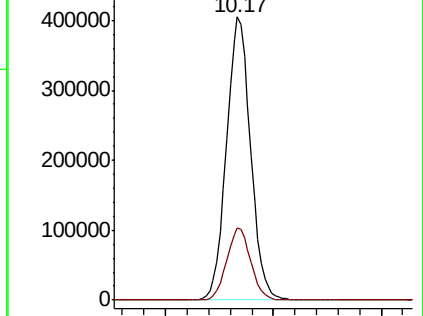
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 117.765 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027271.D

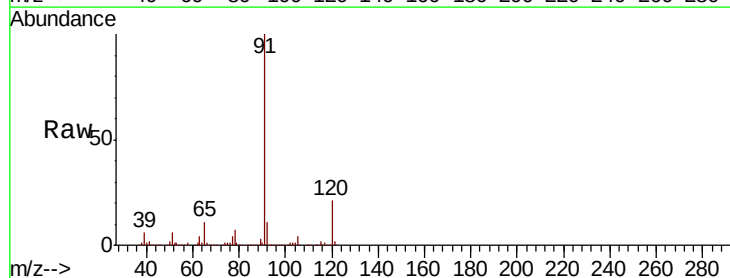
Acq: 28 Sep 2018 15:05

Tgt Ion: 91 Resp: 956772

Ion Ratio Lower Upper

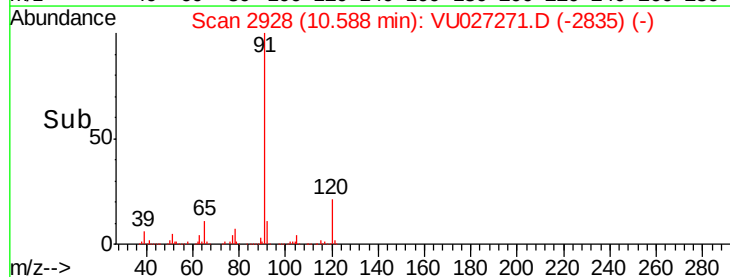
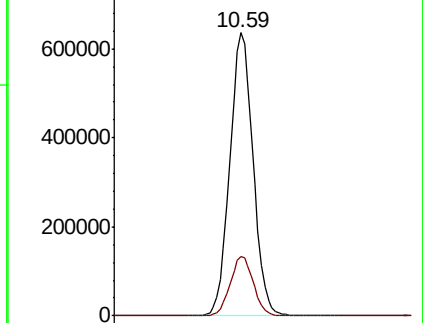
91 100

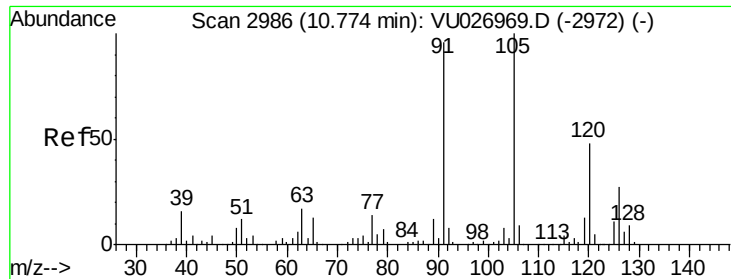
120 20.9 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





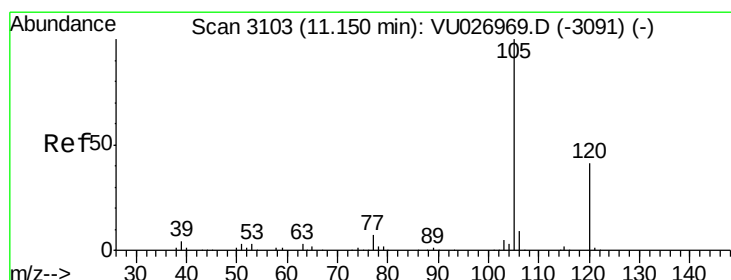
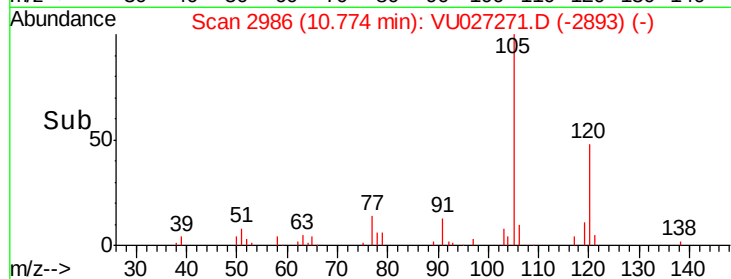
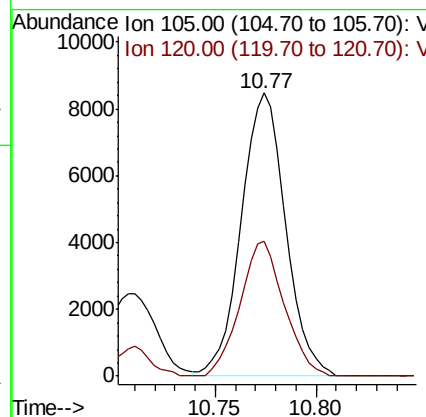
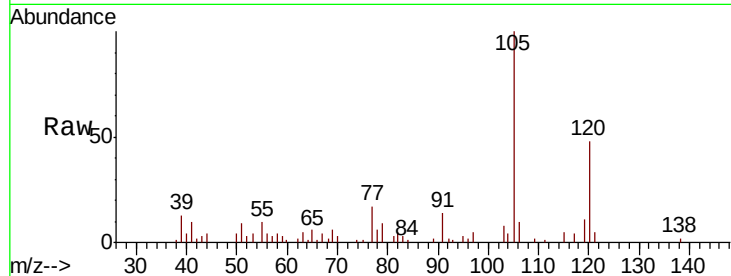
#80
 1,3,5-Trimethylbenzene
 Concen: 2.310 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027271.D
 Acq: 28 Sep 2018 15:05

Instrument :
 MSVOA_U
 ClientSampled :
 S13-0257

Tot Ion:105 Resp: 13092
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.9 71.7

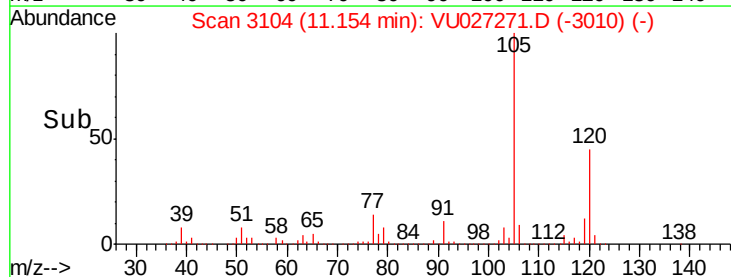
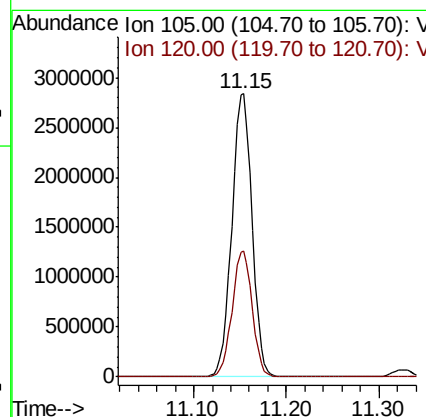
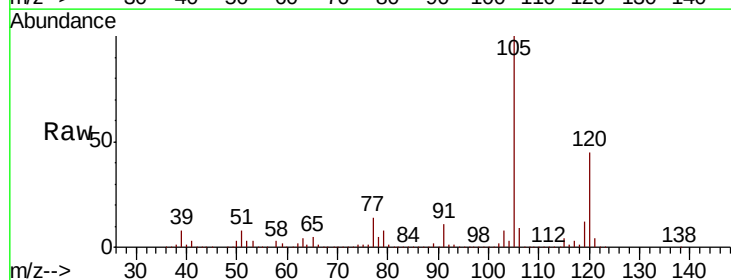
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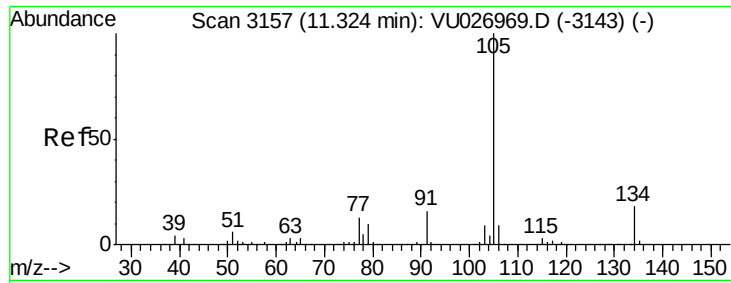
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#84
 1,2,4-Trimethylbenzene
 Concen: 739.495 ug/l
 RT: 11.15 min Scan# 3104
 Delta R.T. 0.00 min
 Lab File: VU027271.D
 Acq: 28 Sep 2018 15:05

Tgt Ion:105 Resp: 4265567
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.4 67.2





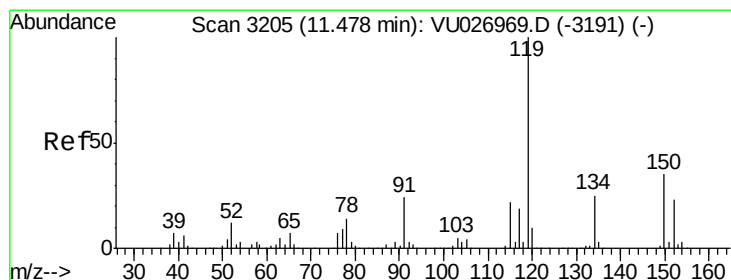
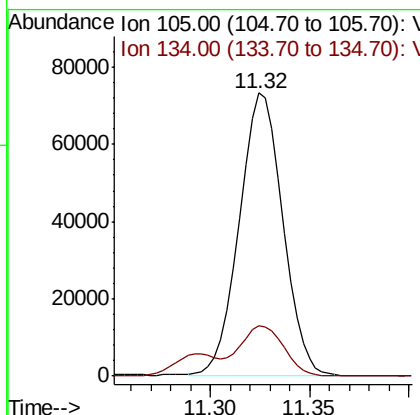
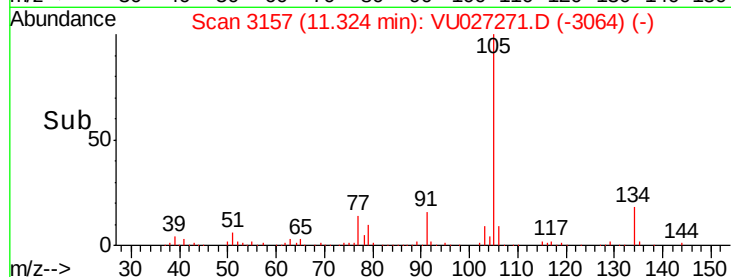
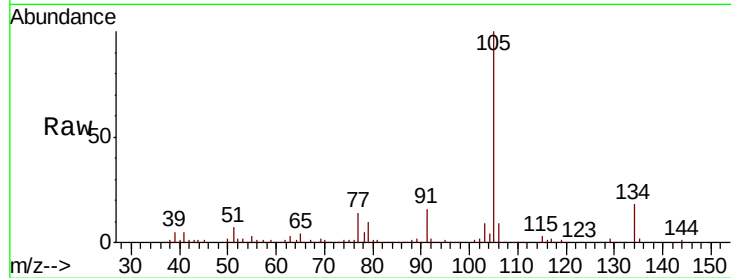
#85
 sec-Butylbenzene
 Concen: 16.389 ug/l m
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027271.D
 Acq: 28 Sep 2018 15:05

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0257

Tot Ion	Ratio	Lower	Upper
105	100		
134	0.0	9.4	28.2#

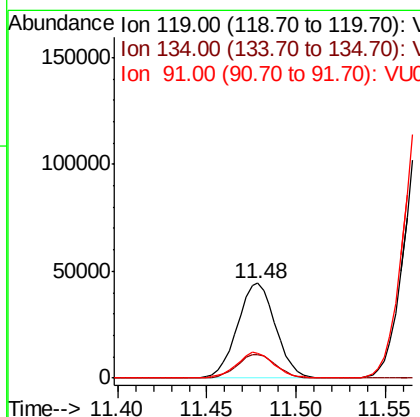
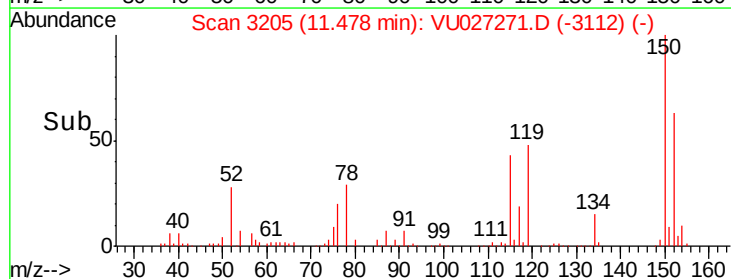
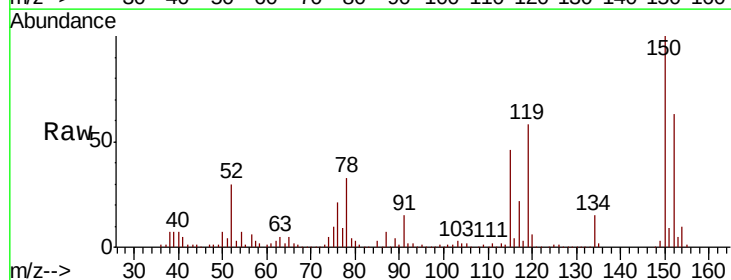
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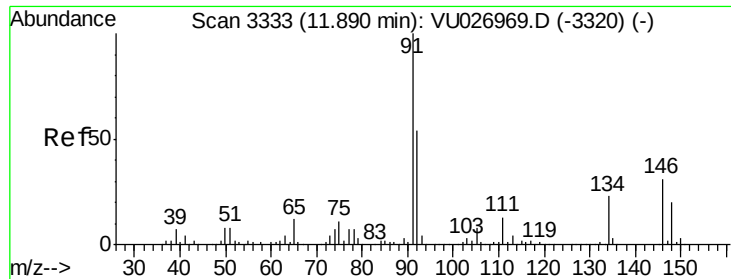
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#86
 p-Isopropyltoluene
 Concen: 11.055 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027271.D
 Acq: 28 Sep 2018 15:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.8	38.3
91	27.0	12.3	36.8





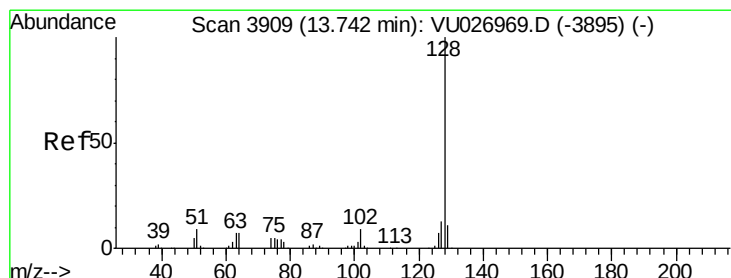
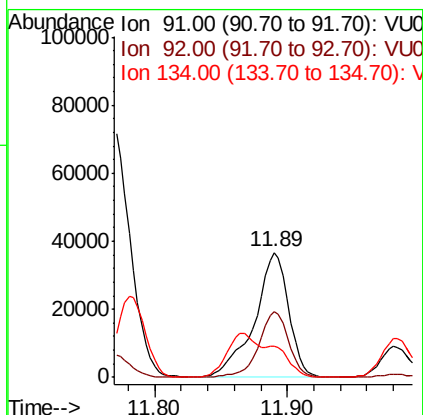
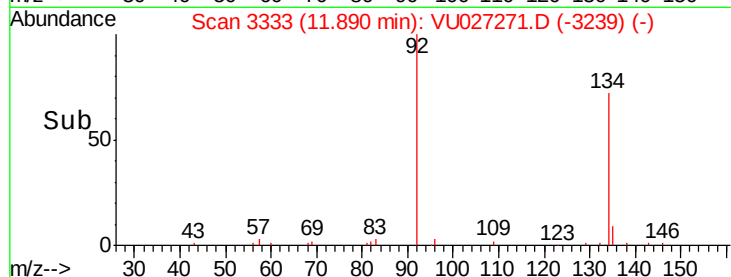
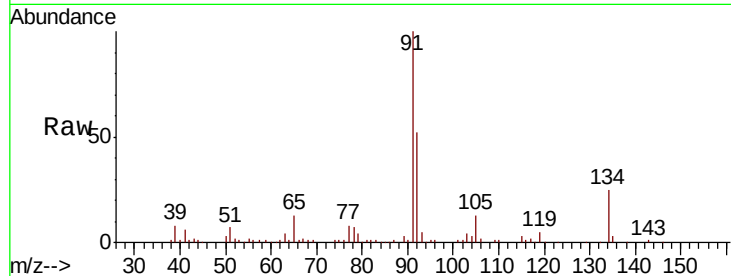
#89
n-Butylbenzene
Concen: 12.329 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027271.D
Acq: 28 Sep 2018 15:05

Instrument :
MSVOA_U
ClientSampleId :
S13-0257

Tot Ion	Ratio	Lower	Upper
91	100		
92	46.4	27.1	81.2
134	0.0	11.7	35.0#

Manual Integrations
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#95
Naphthalene
Concen: 194.073 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027271.D
Acq: 28 Sep 2018 15:05

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	11.1	8.6	12.8

