

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
 Data File : VU024697.D
 Acq On : 18 Jun 2018 17:25
 Operator : MD/SY
 Sample : J3463-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 T11-MW-14-8.0-061218

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:55:04 PM

Quant Time: Jun 19 06:55:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	195637	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	317810	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	285255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	150407	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	139048	43.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.08%	
35) Dibromofluoromethane	4.89	113	124776	47.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.62%	
50) Toluene-d8	7.57	98	457877	47.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.18%	
62) 4-Bromofluorobenzene	10.31	95	158800	41.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.14%	
Target Compounds						
16) Acetone	2.32	43	65560	38.20	ug/l	96
19) Methyl tert-butyl Ether	3.01	73	5380	0.64	ug/l	100
25) 2-Butanone	4.27	43	44150	19.15	ug/l	99
51) 4-Methyl-2-Pentanone	7.47	43	12536	2.84	ug/l	98
73) Isopropylbenzene	10.17	105	17059	1.48	ug/l	94
78) n-propylbenzene	10.59	91	23917	1.76	ug/l	98
83) tert-Butylbenzene	11.10	119	3185	0.33	ug/l	86
84) 1,2,4-Trimethylbenzene	11.16	105	2512	0.25	ug/l	69
85) sec-Butylbenzene	11.33	105	20316	1.69	ug/l	97
89) n-Butylbenzene	11.89	91	5202m	0.54	ug/l	
95) Naphthalene	13.75	128	27132	3.10	ug/l #	91

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

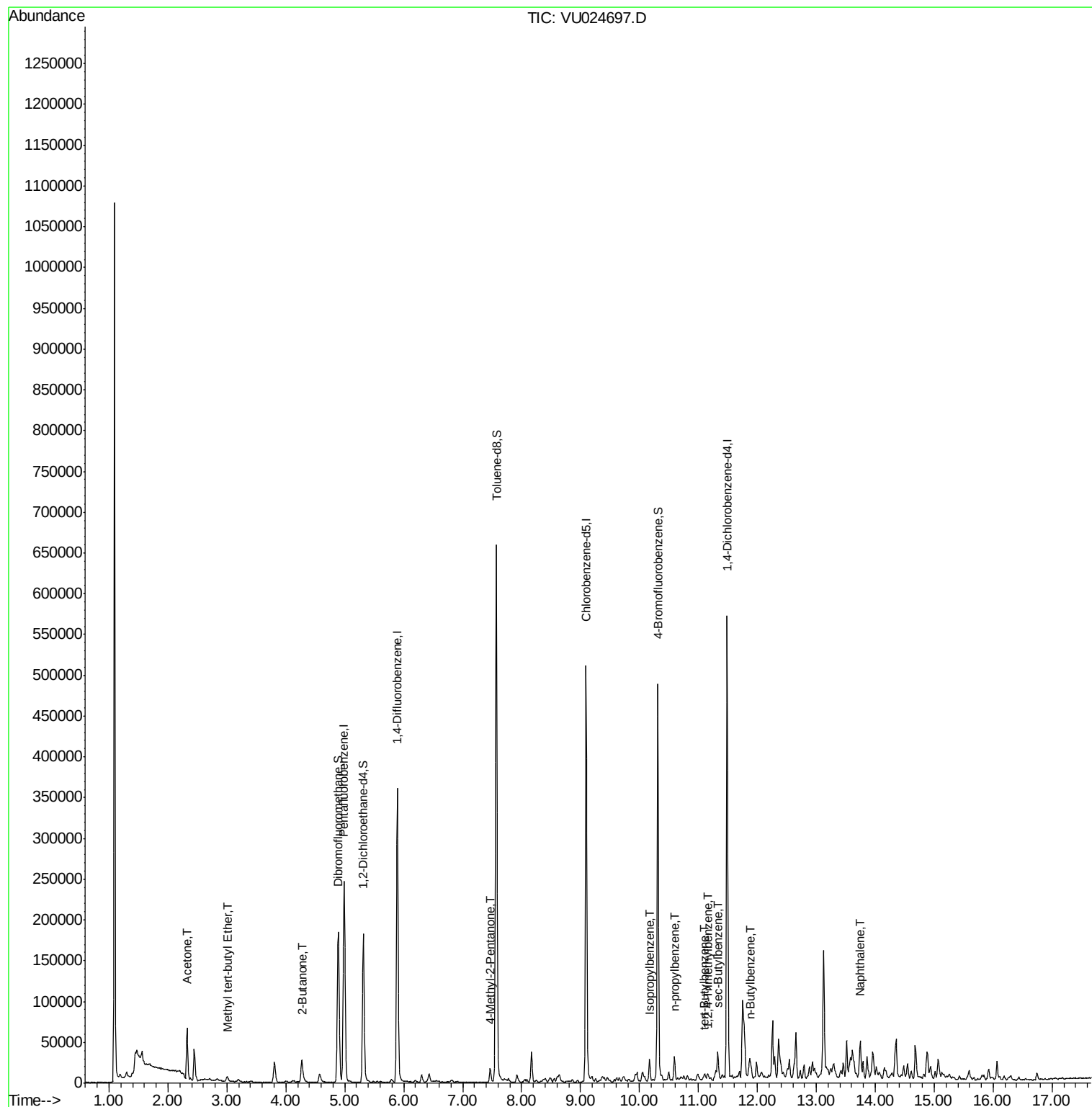
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061818\
Data File : VU024697.D
Acq On : 18 Jun 2018 17:25
Operator : MD/SY
Sample : J3463-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

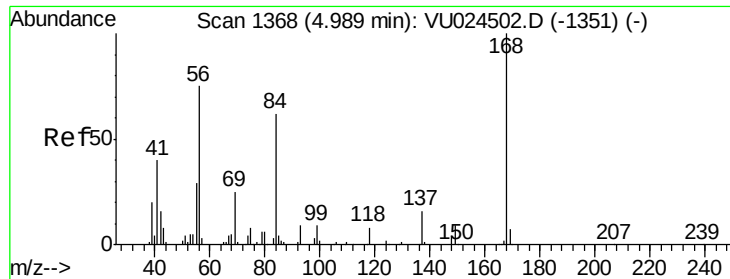
Instrument :
MSVOA_U
ClientSampleId :
T11-MW-14-8.0-061218

Manual Integrations
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6/19/2018 1:55:04 PM

Quant Time: Jun 19 06:55:22 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024697.D

Acq: 18 Jun 2018 17:25

Instrument :

MSVOA_U

ClientSampleId :

T11-MW-14-8.0-061218

Tot Ion:168 Resp: 195637

Ion Ratio Lower Upper

168 100

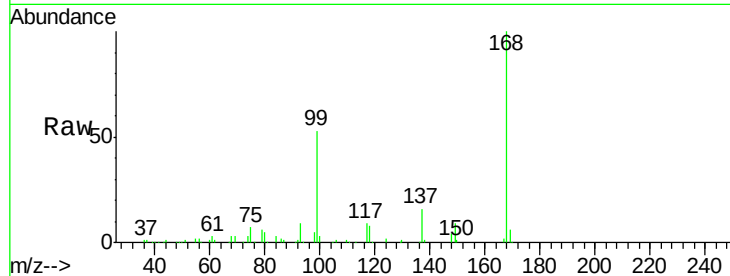
99 52.7 43.2 64.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

4.99

80000

60000

40000

20000

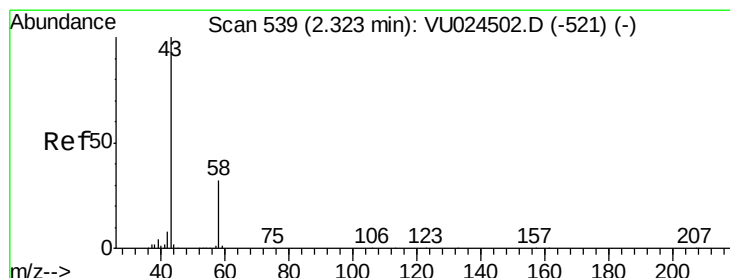
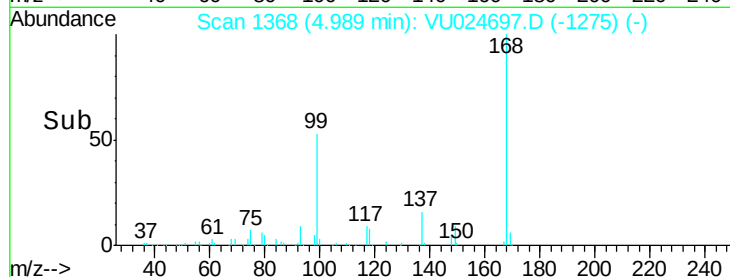
0

4.90

5.00

5.10

Time-->



#16

Acetone

Concen: 38.20 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024697.D

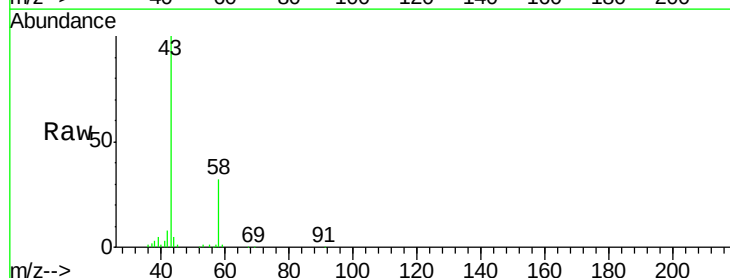
Acq: 18 Jun 2018 17:25

Tgt Ion: 43 Resp: 65560

Ion Ratio Lower Upper

43 100

58 32.7 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

40000

30000

20000

10000

0

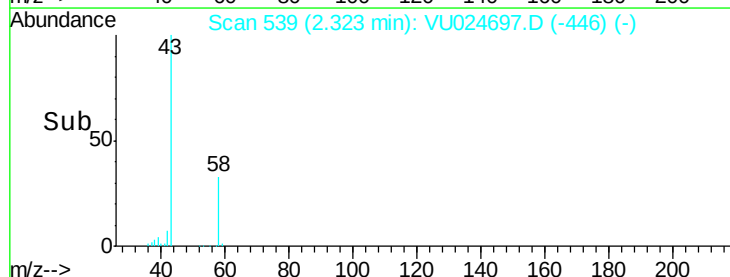
2.25

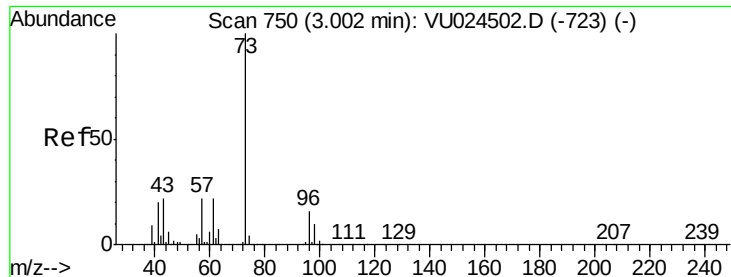
2.30

2.35

2.40

Time-->





#19

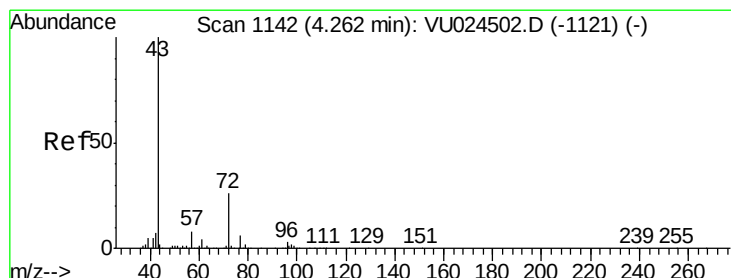
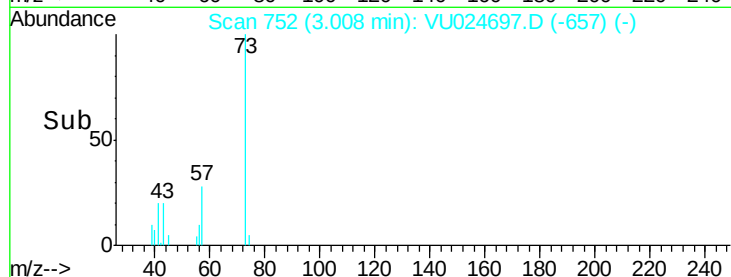
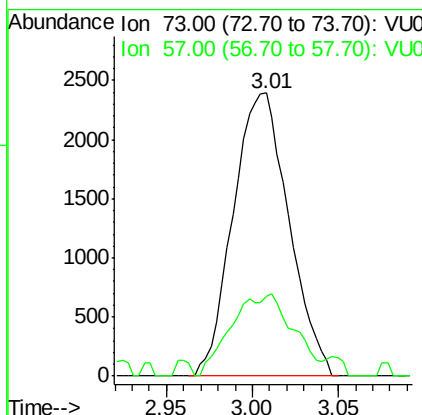
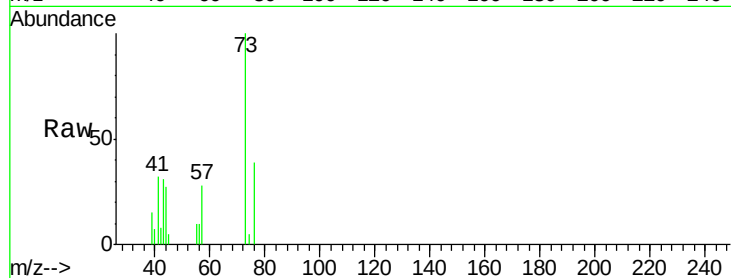
Methyl tert-butyl Ether
 Concen: 0.64 ug/l
 RT: 3.01 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: VU024697.D
 Acq: 18 Jun 2018 17:25

Instrument :
 MSVOA_U
 ClientSampleId :
 T11-MW-14-8.0-061218

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.8	28.2

Manual Integrations
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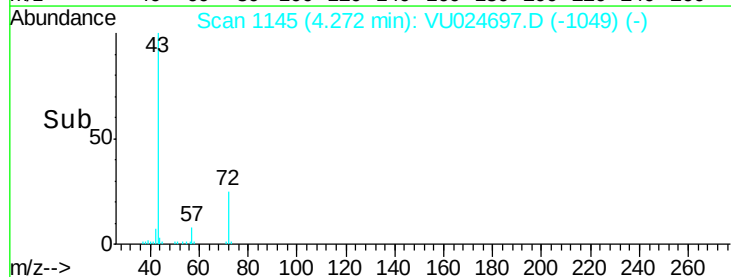
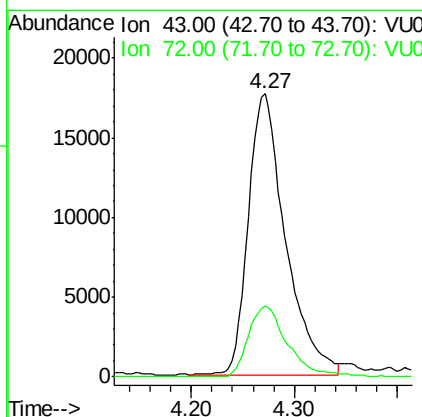
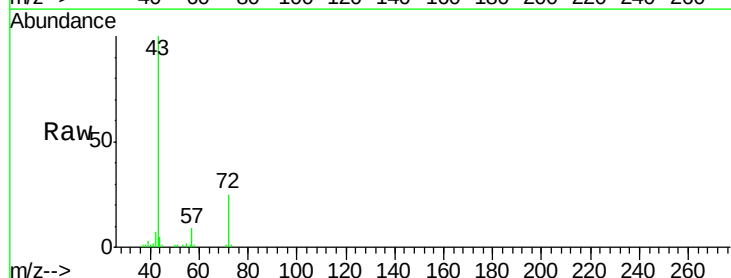
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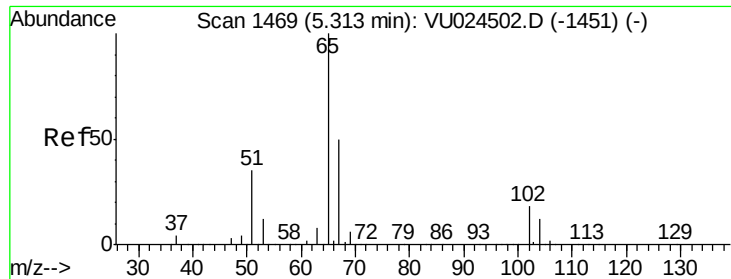


#25

2-Butanone
 Concen: 19.15 ug/l
 RT: 4.27 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VU024697.D
 Acq: 18 Jun 2018 17:25

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.0	19.6	29.4





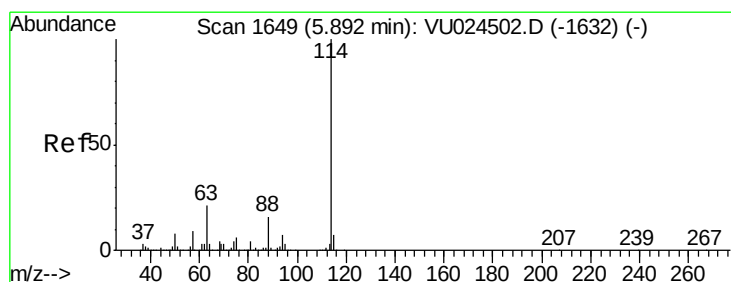
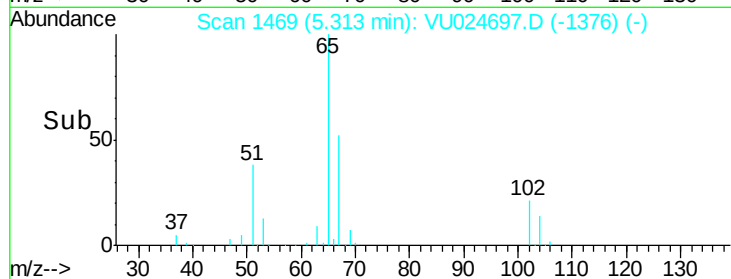
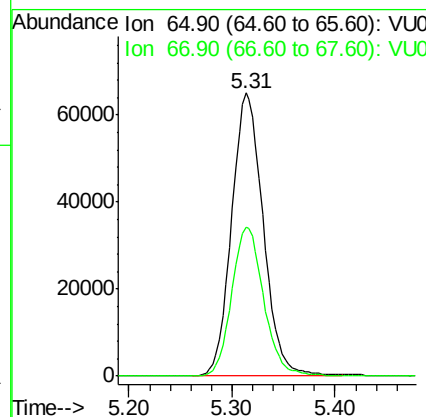
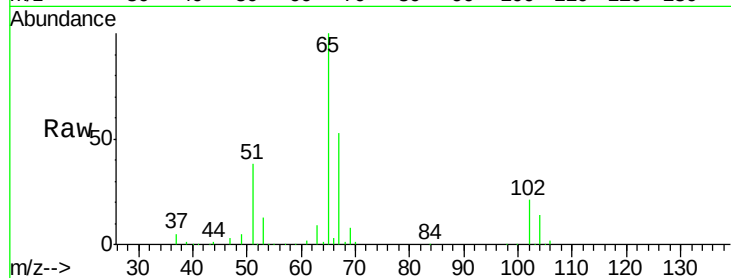
#33
 1,2-Dichloroethane-d4
 Concen: 43.54 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024697.D
 Acq: 18 Jun 2018 17:25

Instrument :
 MSVOA_U
 ClientSampleId :
 T11-MW-14-8.0-061218

Tot Ion	Ratio	Resp	Lower	Upper
65	100	139048		
67	53.3	0.0	107.0	

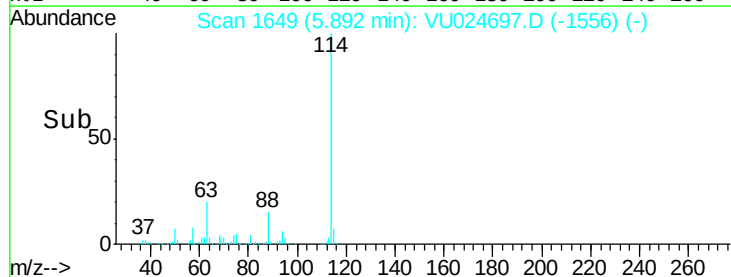
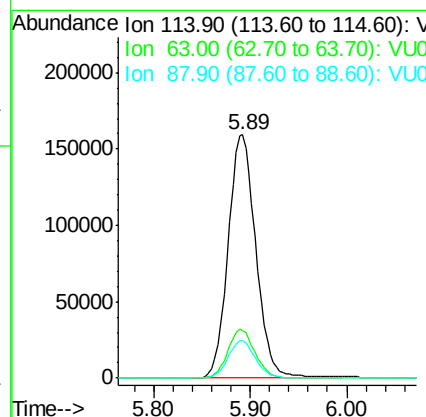
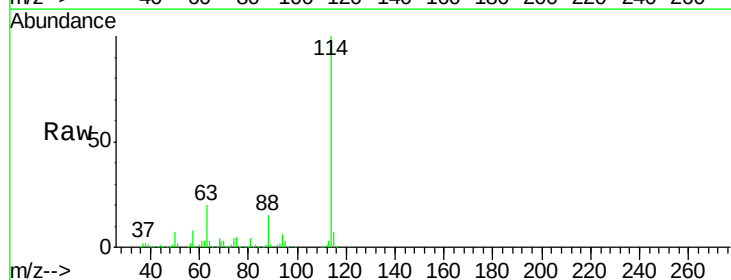
Manual Integrations
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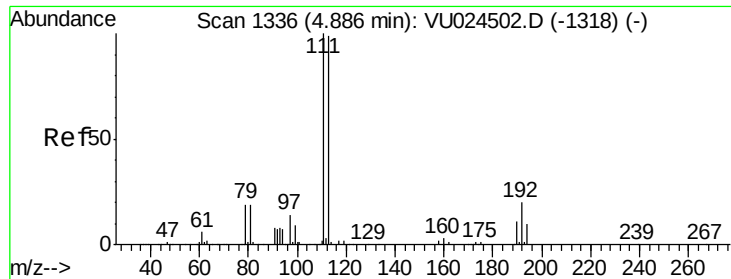
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024697.D
 Acq: 18 Jun 2018 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	317810		
63	19.7	0.0	45.4	
88	15.4	0.0	31.0	





#35

Dibromofluoromethane

Concen: 47.31 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024697.D

Acq: 18 Jun 2018 17:25

Instrument :

MSVOA_U

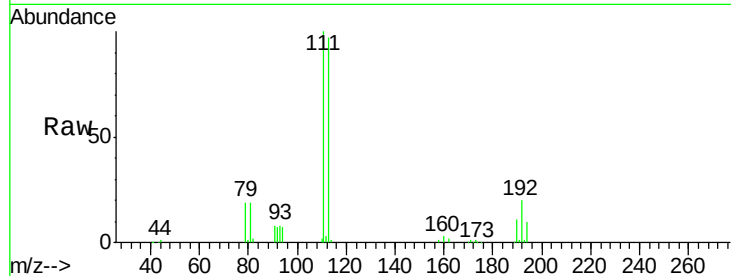
ClientSampleId :

T11-MW-14-8.0-061218

Tot Ion:	113	Resp:	124776
Ion Ratio	Lower	Upper	
113	100		
111	102.9	82.2	123.4
192	21.6	16.2	24.4

Manual Integrations
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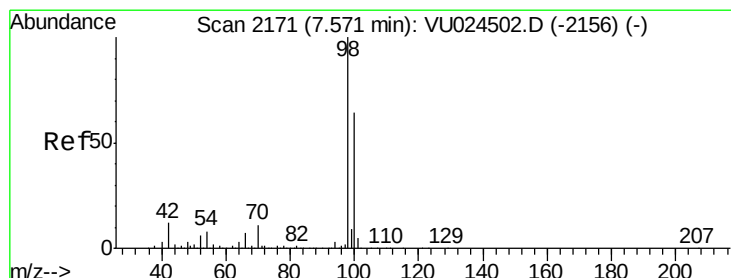
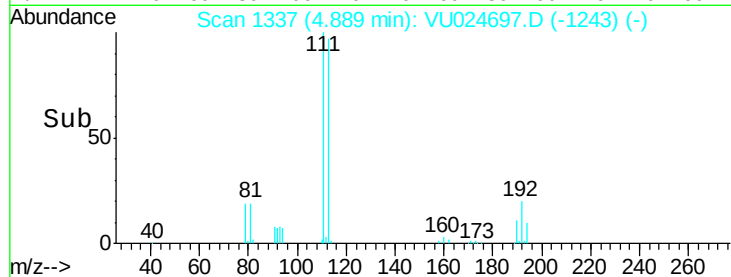
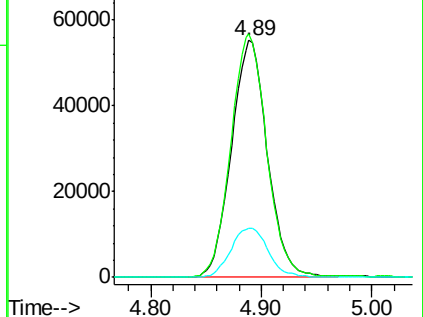
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 47.59 ug/l

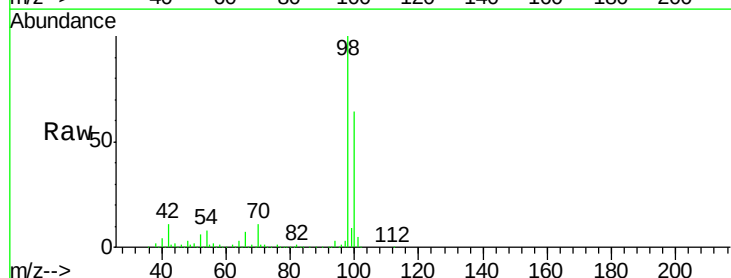
RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU024697.D

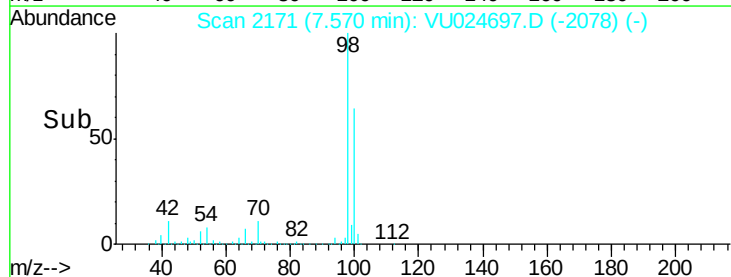
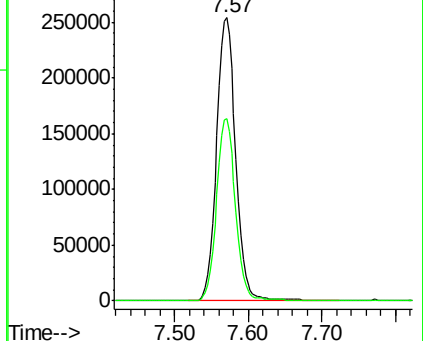
Acq: 18 Jun 2018 17:25

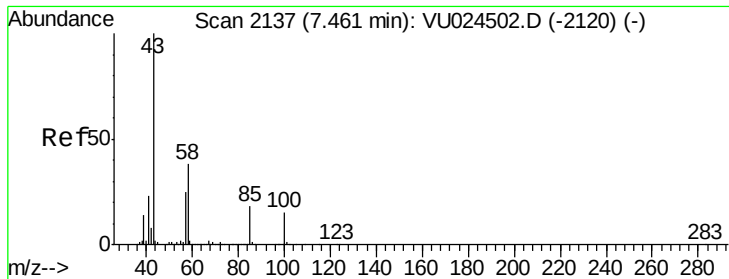
Tgt Ion:	98	Resp:	457877
Ion Ratio	Lower	Upper	
98	100		
100	63.8	51.1	76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#51

4-Methyl-2-Pentanone

Concen: 2.84 ug/l

RT: 7.47 min Scan# 2139

Delta R.T. 0.01 min

Lab File: VU024697.D

Acq: 18 Jun 2018 17:25

Instrument :

MSVOA_U

ClientSampleId :

T11-MW-14-8.0-061218

Tot Ion: 43 Resp: 12536

Ion Ratio Lower Upper

43 100

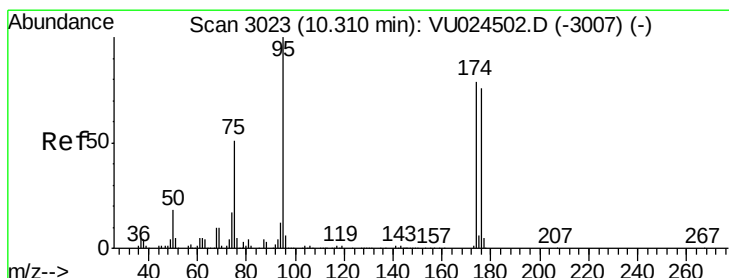
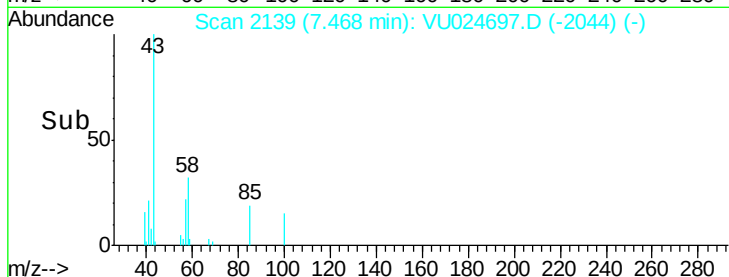
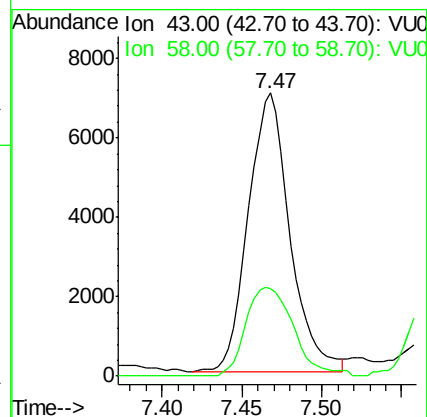
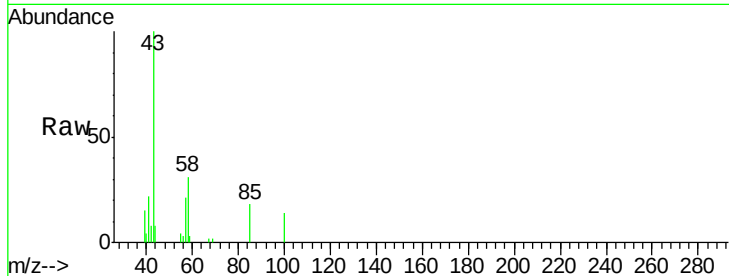
58 36.4 30.0 45.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 41.57 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024697.D

Acq: 18 Jun 2018 17:25

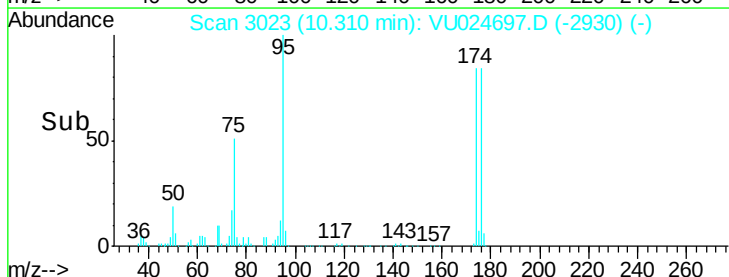
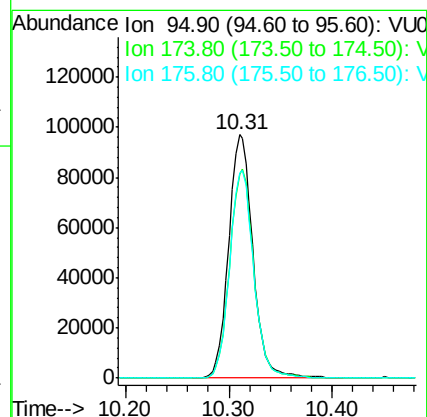
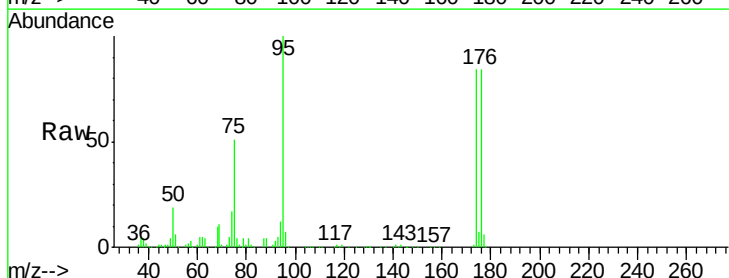
Tgt Ion: 95 Resp: 158800

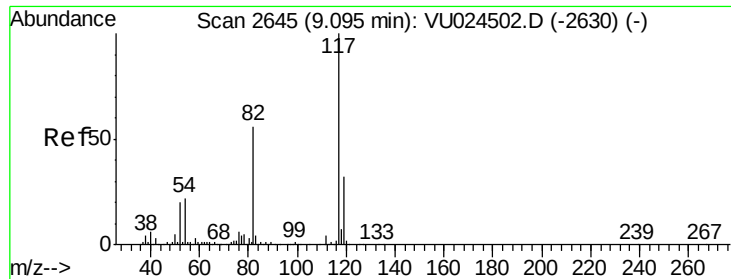
Ion Ratio Lower Upper

95 100

174 85.6 0.0 165.8

176 84.9 0.0 159.4





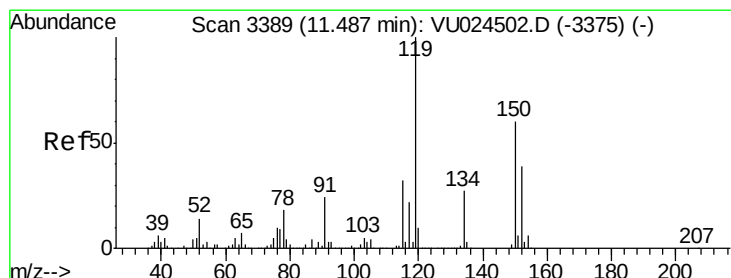
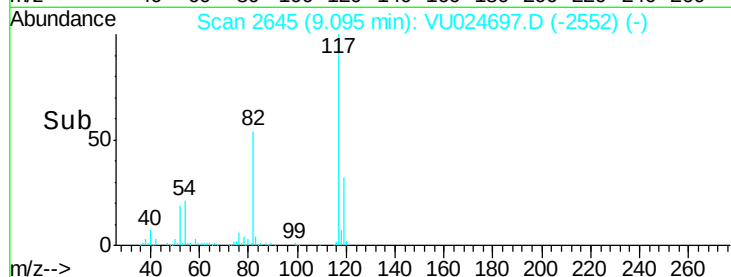
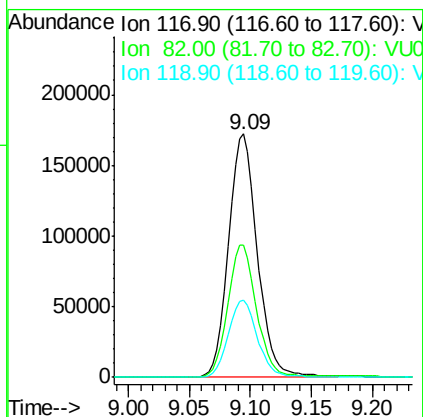
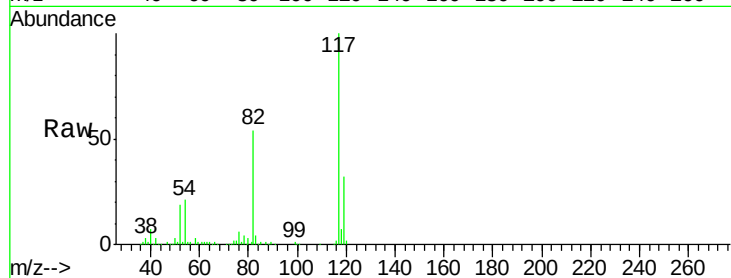
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024697.D
Acq: 18 Jun 2018 17:25

Instrument :
MSVOA_U
ClientSampleId :
T11-MW-14-8.0-061218

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	54.1	44.3	66.5
119	31.8	25.4	38.2

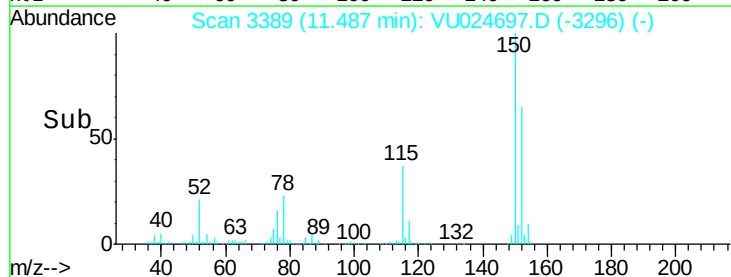
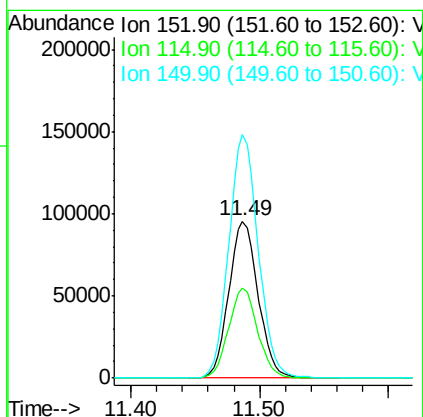
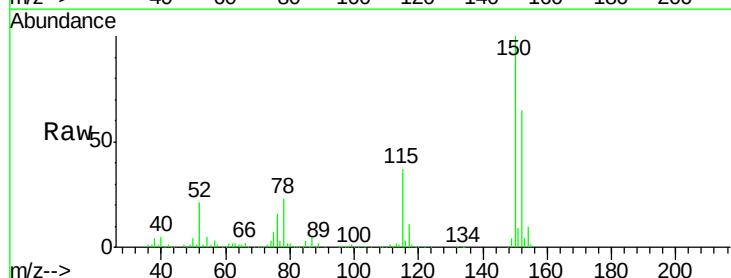
Manual Integrations
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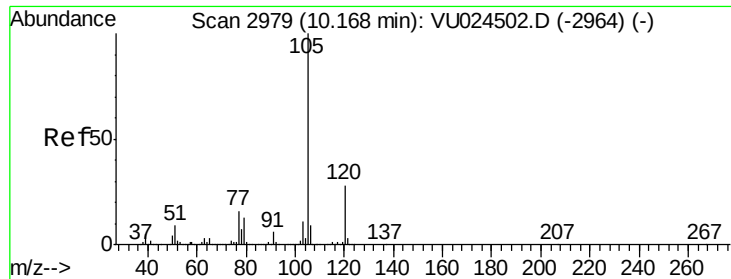
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024697.D
Acq: 18 Jun 2018 17:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
115	56.6	43.0	129.0
150	155.6	0.0	354.0





#73

Isopropylbenzene

Concen: 1.48 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024697.D

Acq: 18 Jun 2018 17:25

Instrument :

MSVOA_U

ClientSampleId :

T11-MW-14-8.0-061218

Tot Ion: 105 Resp: 17059

Ion Ratio Lower Upper

105 100

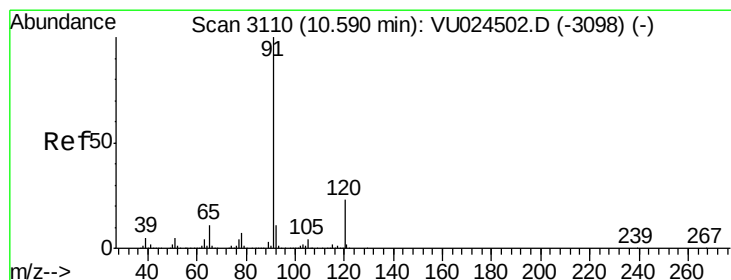
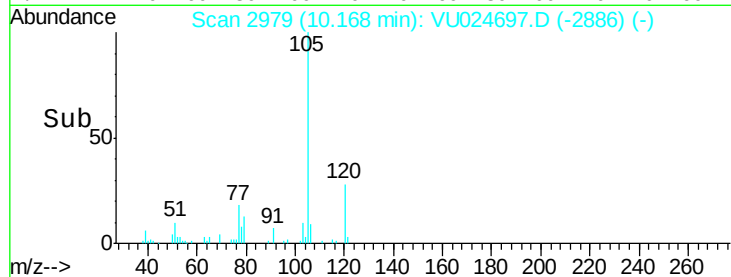
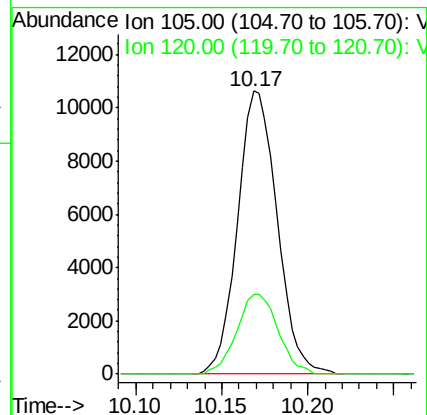
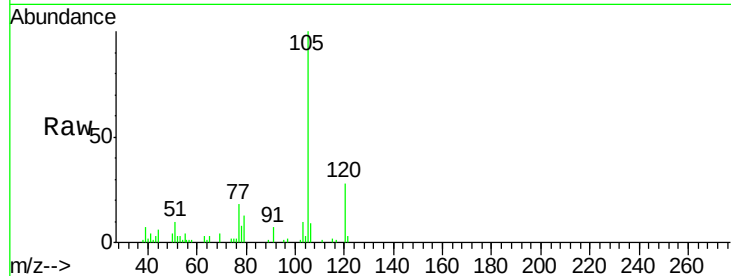
120 29.5 13.2 39.6

Manual Integrations

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6/19/2018 1:55:04 PM



#78

n-propylbenzene

Concen: 1.76 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU024697.D

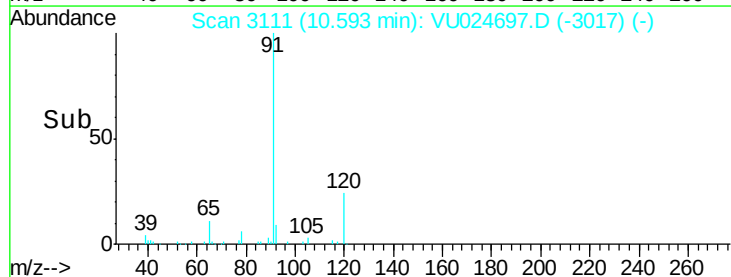
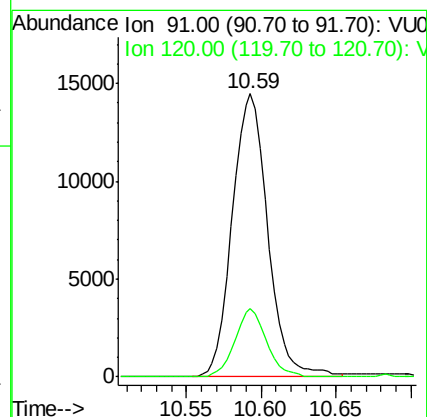
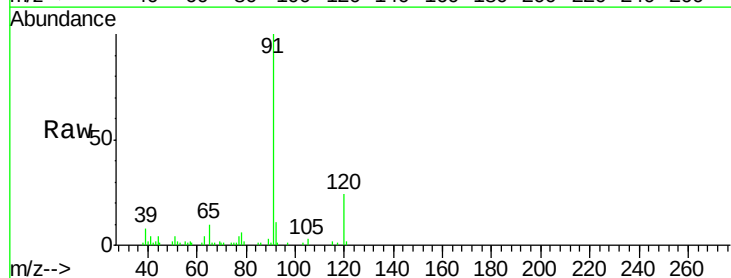
Acq: 18 Jun 2018 17:25

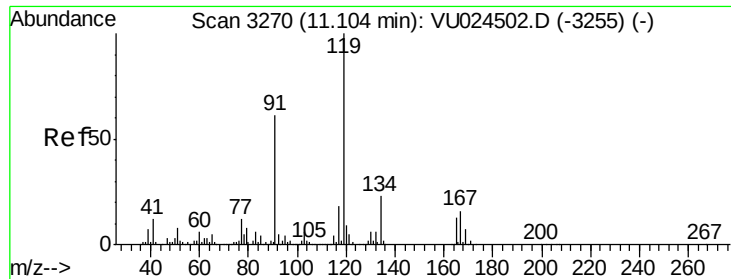
Tgt Ion: 91 Resp: 23917

Ion Ratio Lower Upper

91 100

120 21.3 11.2 33.5





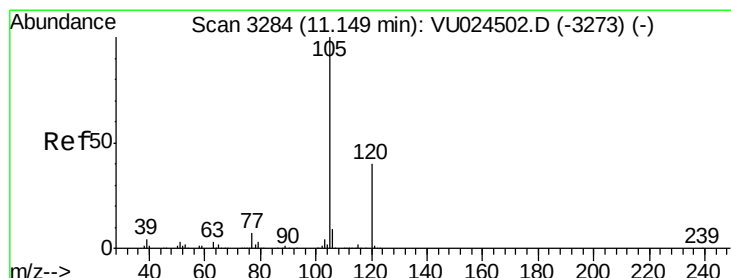
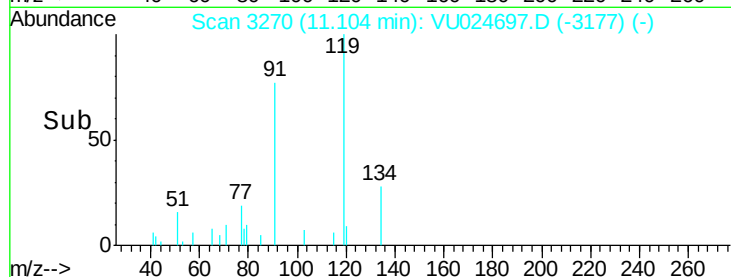
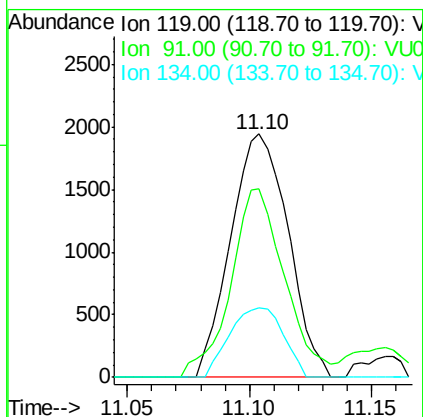
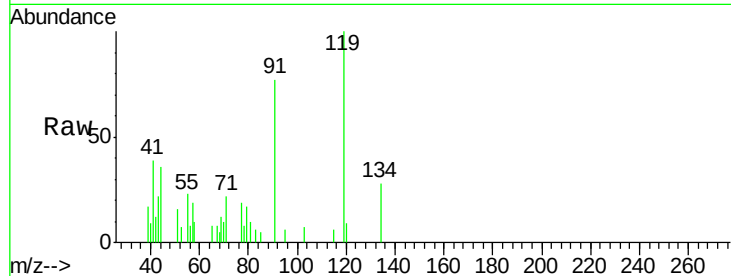
#83
 tert-Butylbenzene
 Concen: 0.33 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024697.D
 Acq: 18 Jun 2018 17:25

Instrument :
 MSVOA_U
 ClientSampleId :
 T11-MW-14-8.0-061218

Tot Ion	Ratio	Resp	Lower	Upper
119	100	3185		
91	72.3		29.7	89.1
134	26.7		11.6	34.7

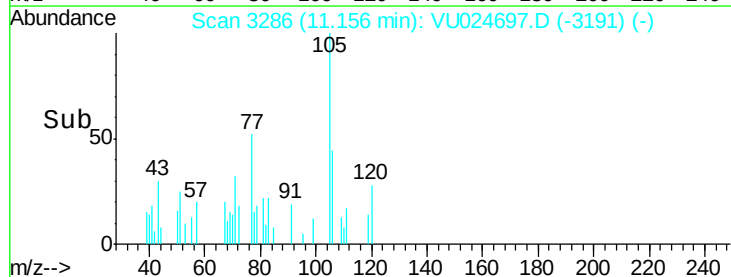
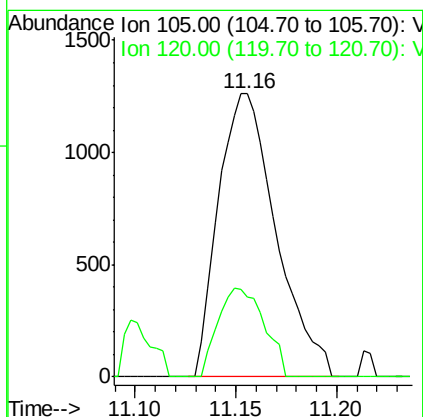
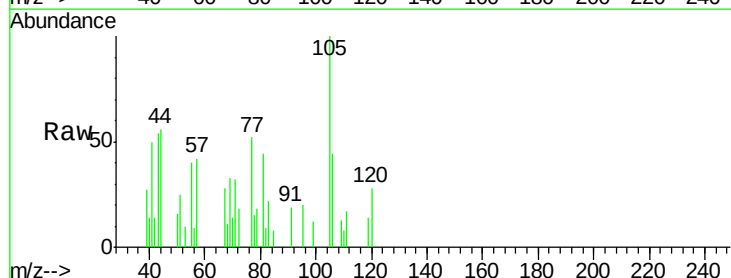
Manual Integrations
 APPROVED

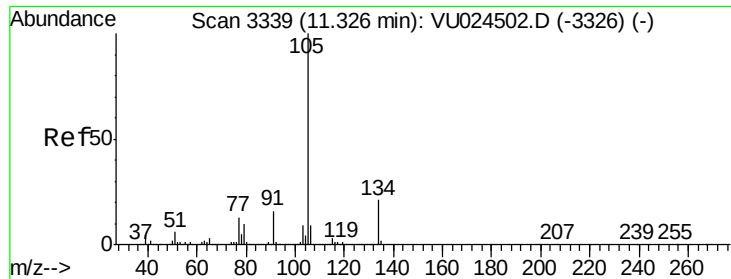
MMDadoda
 6/19/2018 1:55:04 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 0.25 ug/l
 RT: 11.16 min Scan# 3286
 Delta R.T. 0.01 min
 Lab File: VU024697.D
 Acq: 18 Jun 2018 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	2512		
120	25.0		22.6	67.8





#85

sec-Butylbenzene

Concen: 1.69 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU024697.D

Acq: 18 Jun 2018 17:25

Instrument :

MSVOA_U

ClientSampleId :

T11-MW-14-8.0-061218

Tot Ion: 105 Resp: 20316

Ion Ratio Lower Upper

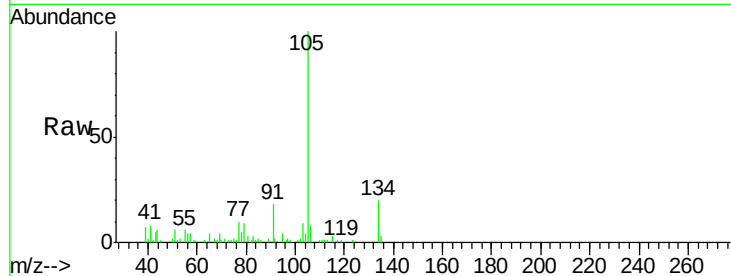
105 100

134 20.6 9.7 29.1

Manual Integrations
APPROVED

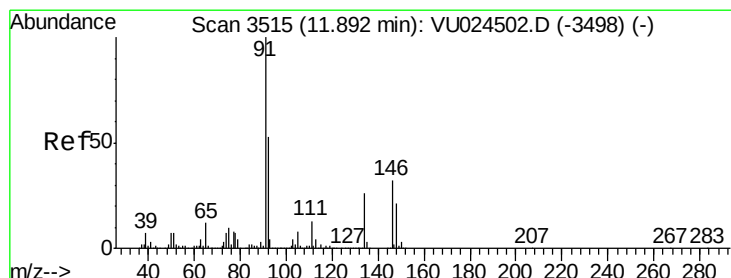
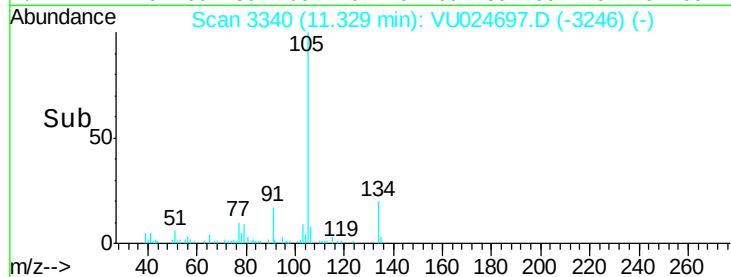
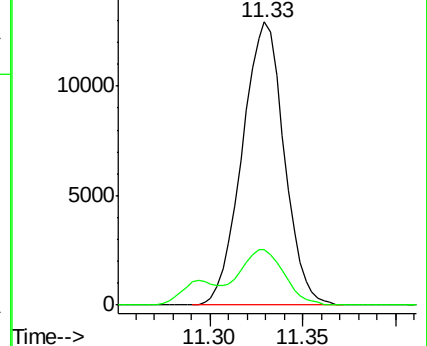
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 0.54 ug/l m

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU024697.D

Acq: 18 Jun 2018 17:25

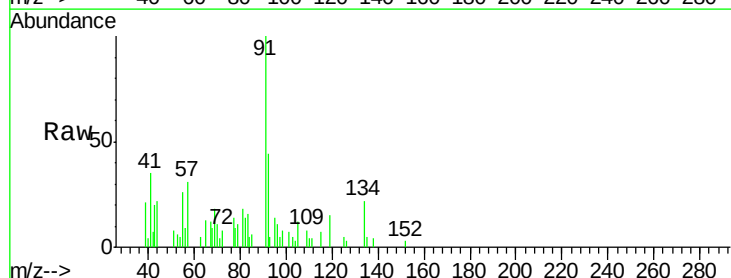
Tgt Ion: 91 Resp: 5202

Ion Ratio Lower Upper

91 100

92 46.9 25.6 76.8

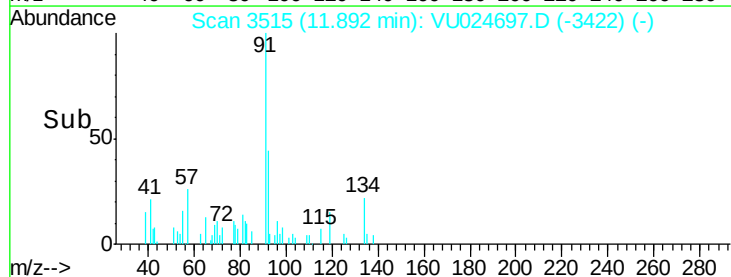
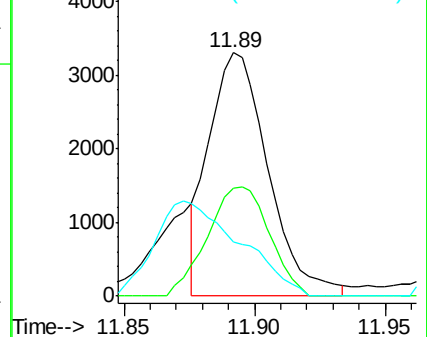
134 0.0 12.3 36.8#

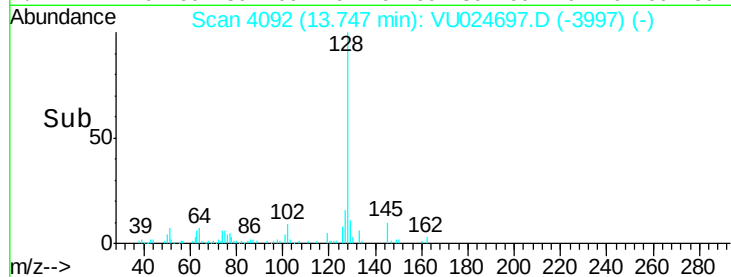
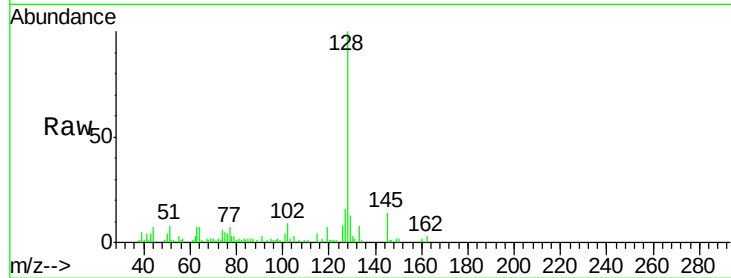
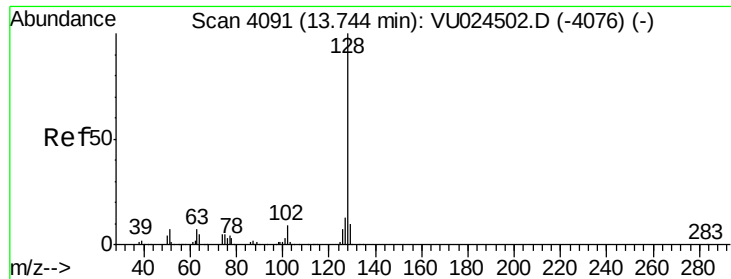


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#95
Naphthalene
Concen: 3.10 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU024697.D
Acq: 18 Jun 2018 17:25

Instrument :
MSVOA_U
ClientSampleId :
T11-MW-14-8.0-061218

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.1	10.6	16.0#
129	14.8	8.6	12.8#

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:55:04 PM

