

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
 Data File : VU025301.D
 Acq On : 10 Jul 2018 20:08
 Operator : MD/SY
 Sample : J3898-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW009-180705

Manual Integrations
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 7/11/2018 5:05:57 PM

Quant Time: Jul 11 08:32:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	202086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	305686	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	285680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	158733	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	153571	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
35) Dibromofluoromethane	4.89	113	119849	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	
50) Toluene-d8	7.57	98	440583	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	10.31	95	169647	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.82	59	7081	10.34	ug/l #	92
16) Acetone	2.32	43	23338	19.15	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	1242	0.46	ug/l	73
39) Methylcyclohexane	6.42	83	4665	1.10	ug/l	99
40) Benzene	5.39	78	89985	9.19	ug/l	100
65) Chlorobenzene	9.12	112	3527545	494.29	ug/l	99
67) Ethyl Benzene	9.25	91	5008	0.41	ug/l	96
73) Isopropylbenzene	10.17	105	153291	12.64	ug/l	99
78) n-propylbenzene	10.59	91	163220	12.13	ug/l	99
83) tert-Butylbenzene	11.10	119	83485	8.10	ug/l	91
85) sec-Butylbenzene	11.33	105	148857	12.26	ug/l	100
89) n-Butylbenzene	11.89	91	18279m	2.07	ug/l	
95) Naphthalene	13.74	128	12567	3.44	ug/l #	55

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

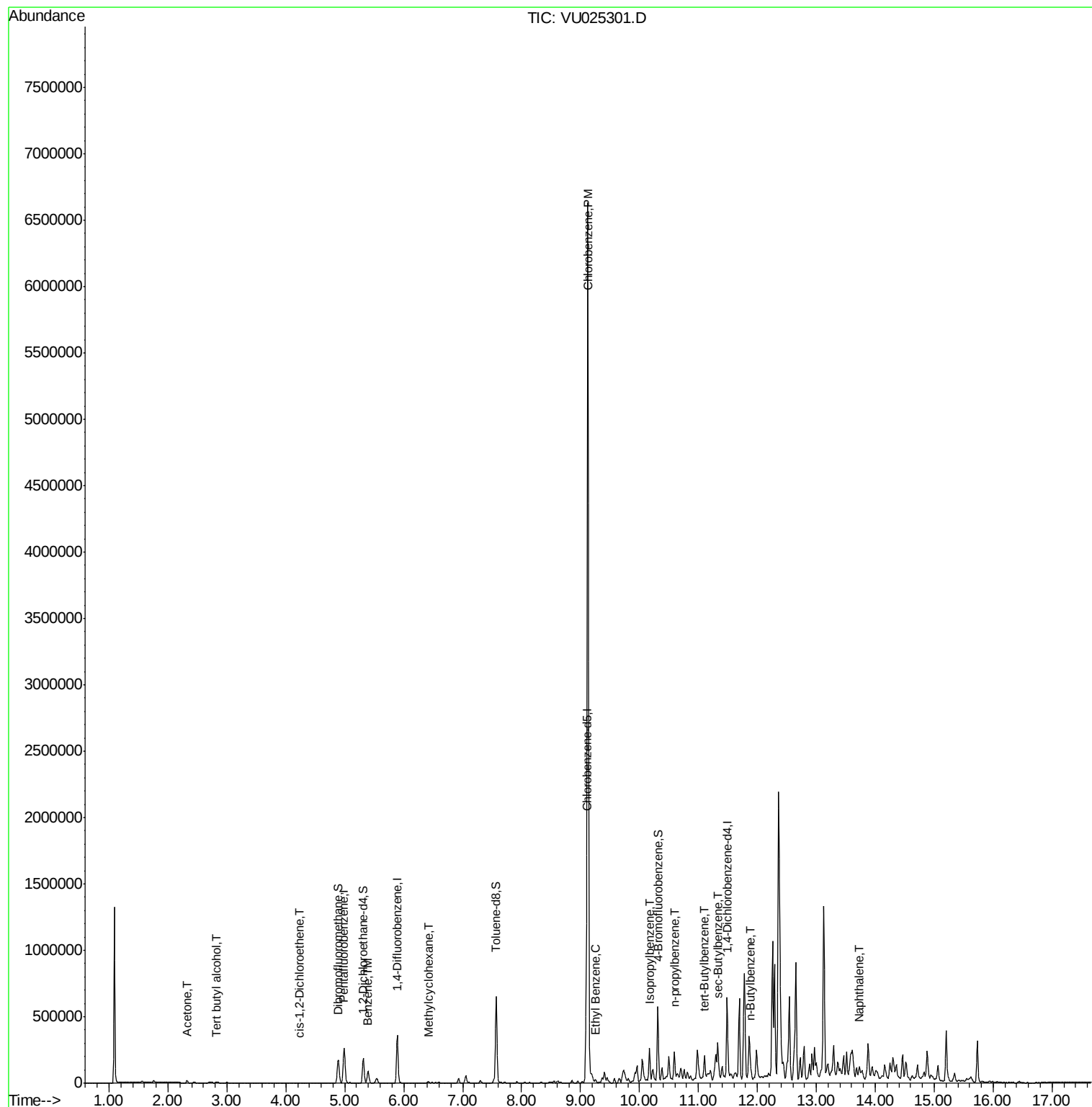
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025301.D
Acq On : 10 Jul 2018 20:08
Operator : MD/SY
Sample : J3898-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

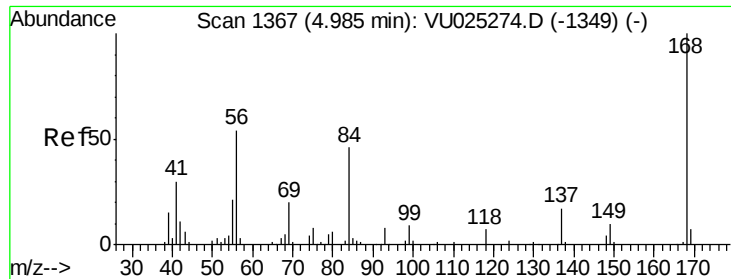
Instrument :
MSVOA_U
ClientSampleId :
SS038MW009-180705

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Quant Time: Jul 11 08:32:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 10 09:34:16 2018
Response via : Initial Calibration





#1

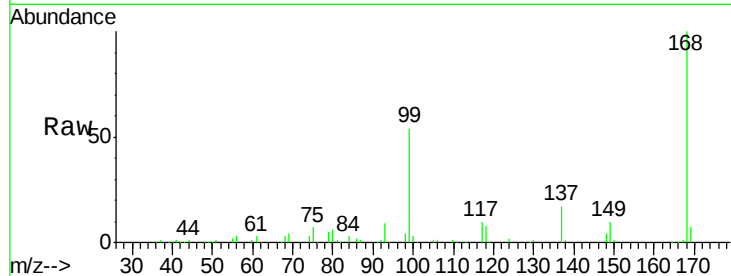
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VU025301.D
 Acq: 10 Jul 2018 20:08

Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW009-180705

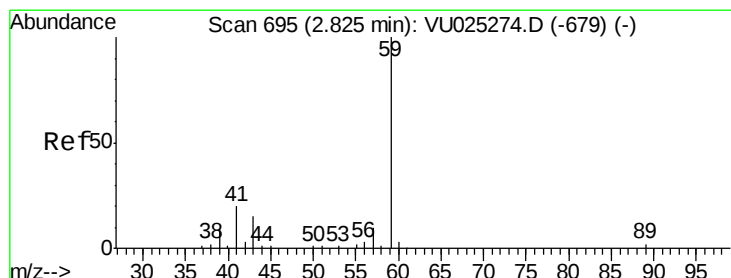
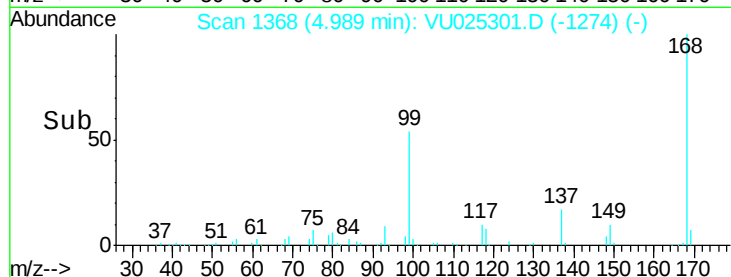
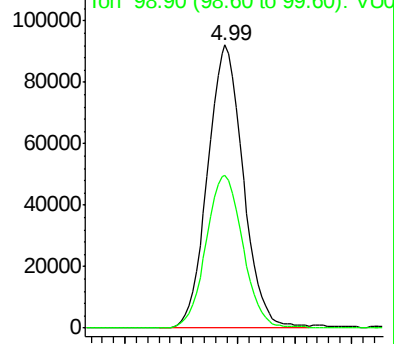
Tot Ion	Ratio	Lower	Upper
168	100		
99	54.1	42.8	64.2

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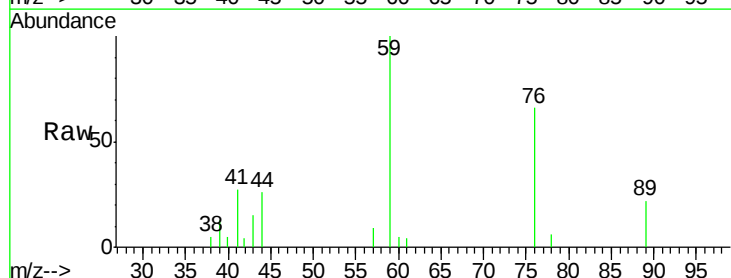
Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)



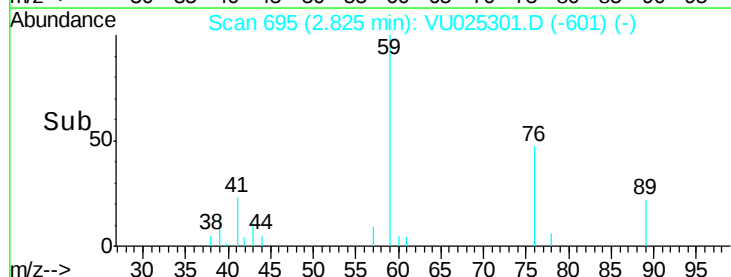
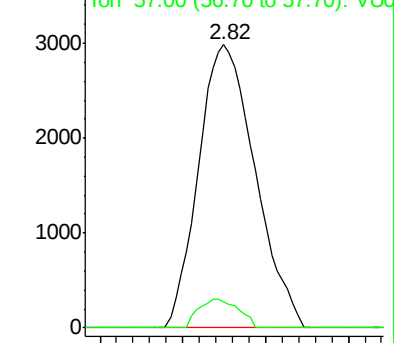
#11

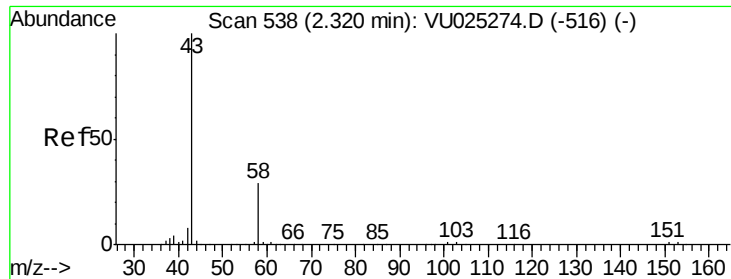
Tert butyl alcohol
 Concen: 10.34 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VU025301.D
 Acq: 10 Jul 2018 20:08

Tgt Ion	Ratio	Lower	Upper
59	100		
57	7.1	8.2	12.2



Abundance Ion 59.00 (58.70 to 59.70): VU025274.D (-679) (-)





#16

Acetone

Concen: 19.15 ug/l

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

Instrument :

MSVOA_U

ClientSampleId :

SS038MW009-180705

Tot Ion: 43 Resp: 23338

Ion Ratio Lower Upper

43 100

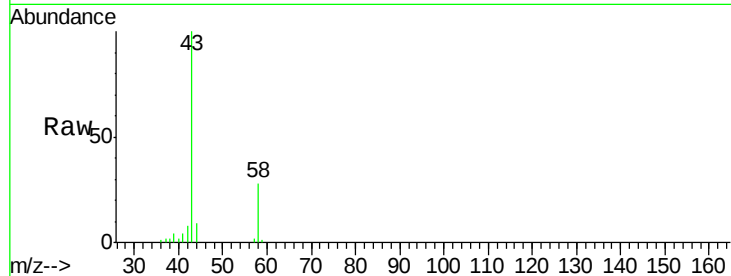
58 27.7 23.1 34.7

Manual Integrations

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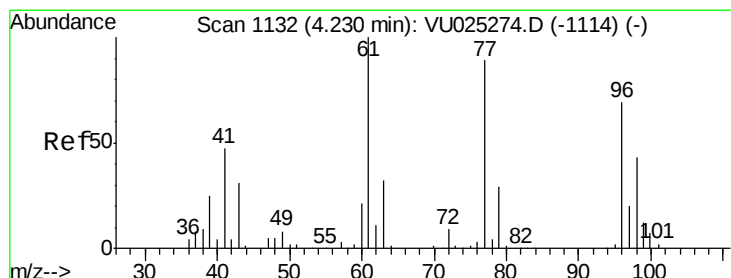
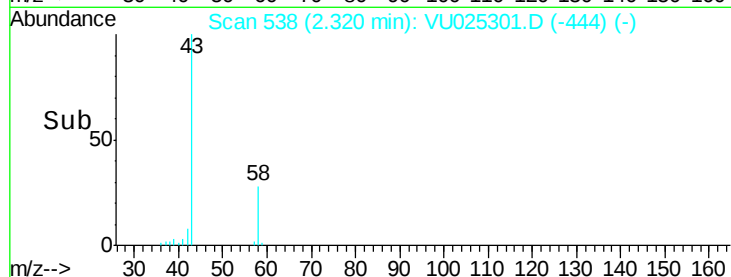
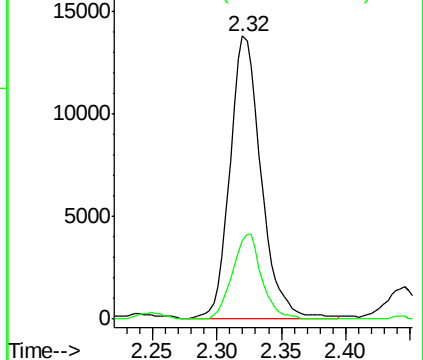
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#27

cis-1,2-Dichloroethene

Concen: 0.46 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

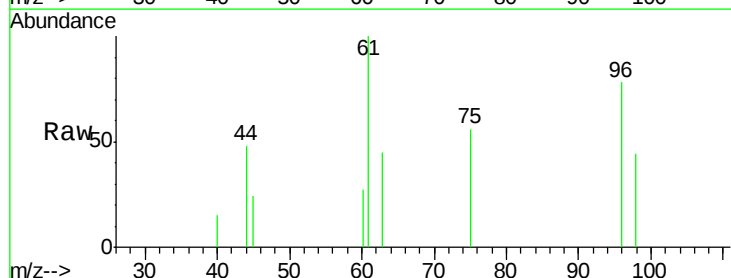
Tgt Ion: 96 Resp: 1242

Ion Ratio Lower Upper

96 100

61 123.6 0.0 299.8

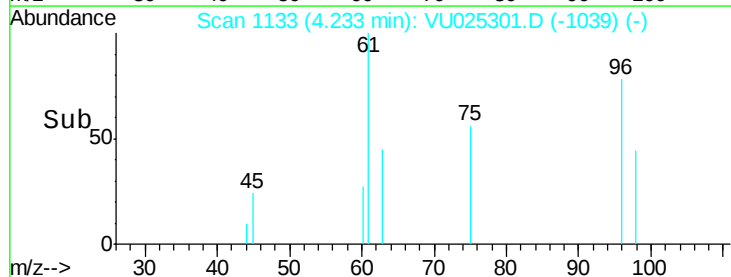
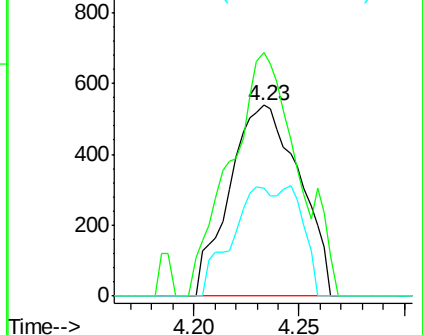
98 32.4 0.0 128.6

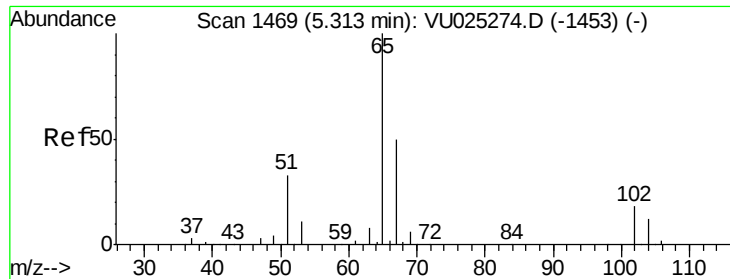


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





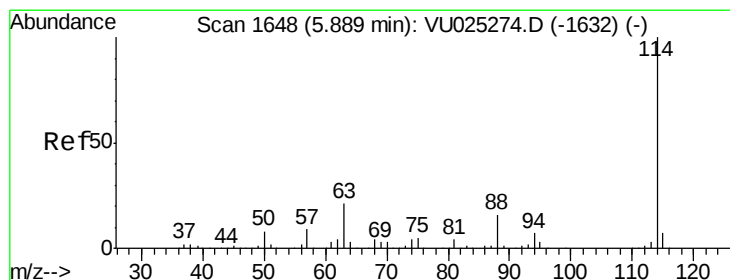
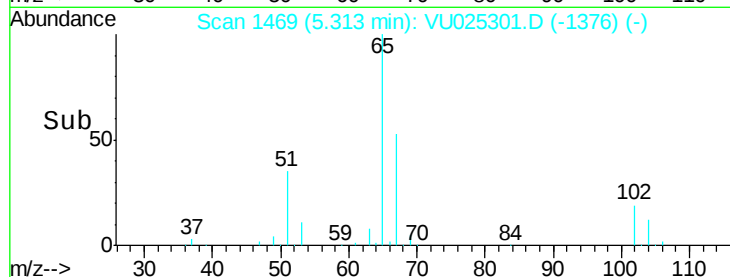
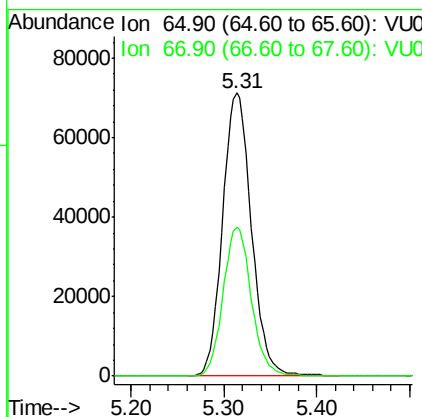
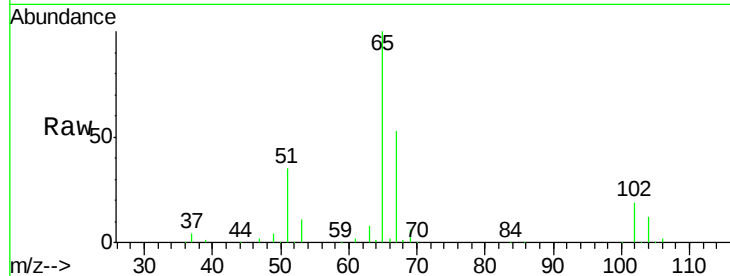
#33
 1,2-Dichloroethane-d4
 Concen: 48.91 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025301.D
 Acq: 10 Jul 2018 20:08

Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW009-180705

Tot Ion	Ratio	Resp	Lower	Upper
65	100	153571		
67	51.5	0.0	103.6	

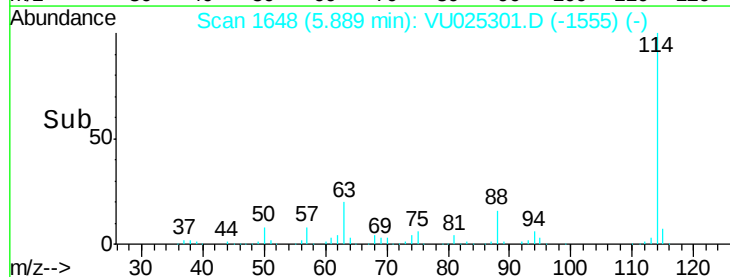
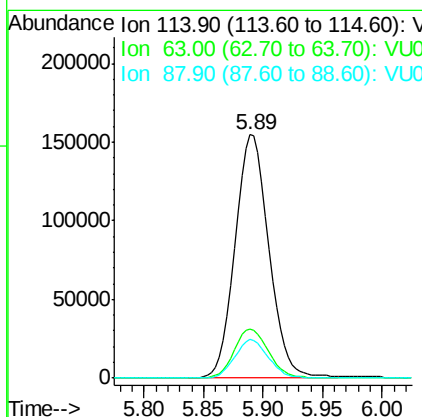
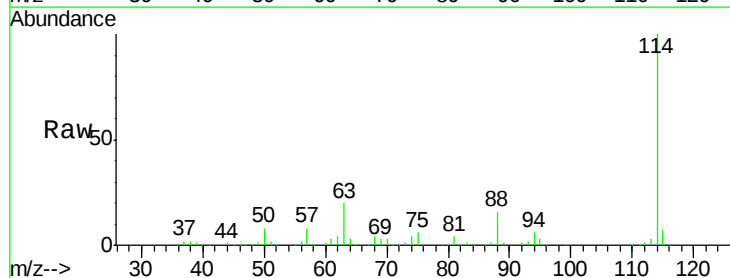
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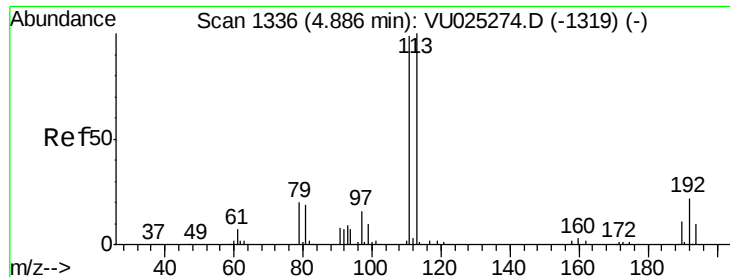
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025301.D
 Acq: 10 Jul 2018 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	305686		
63	20.3	0.0	41.6	
88	15.8	0.0	32.4	





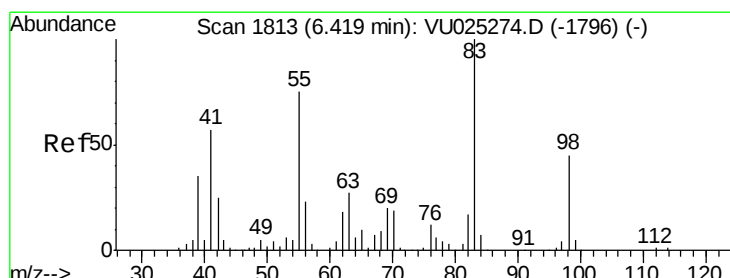
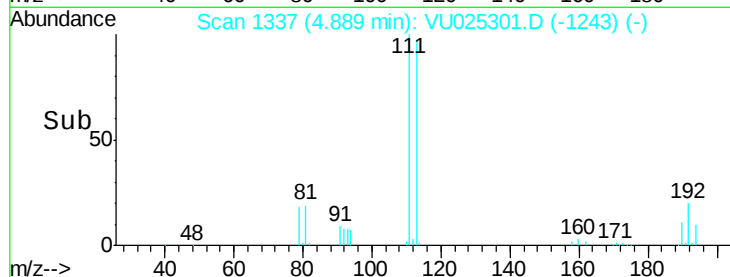
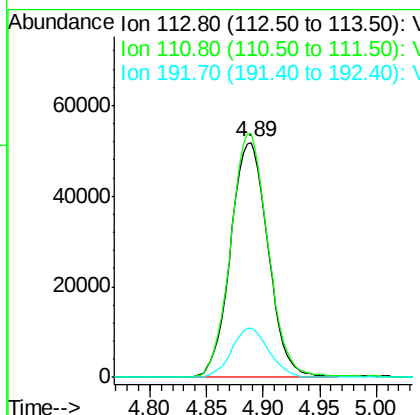
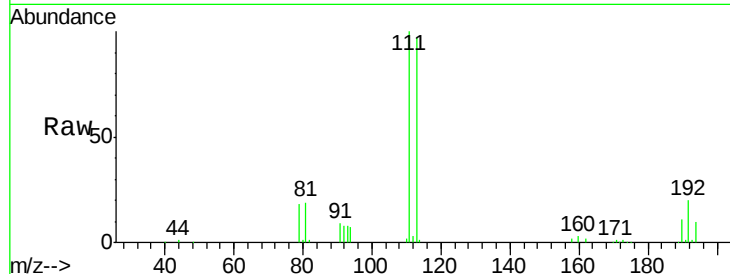
#35
Dibromofluoromethane
Concen: 46.48 ug/l
RT: 4.89 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU025301.D
Acq: 10 Jul 2018 20:08

Instrument :
MSVOA_U
ClientSampleId :
SS038MW009-180705

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.7	122.5
192	20.9	17.1	25.7

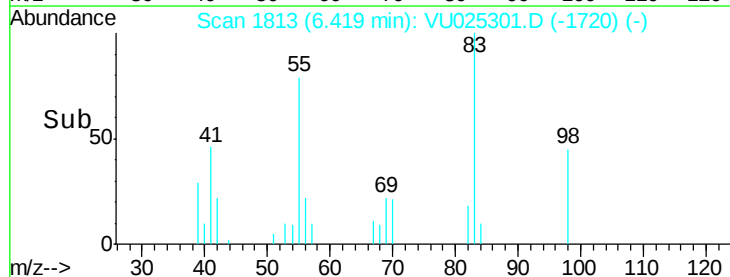
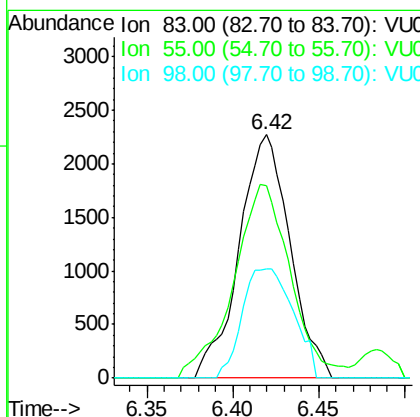
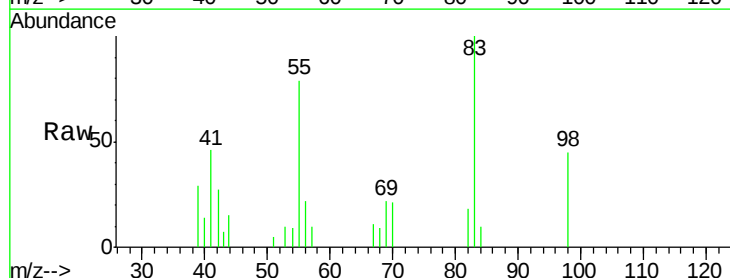
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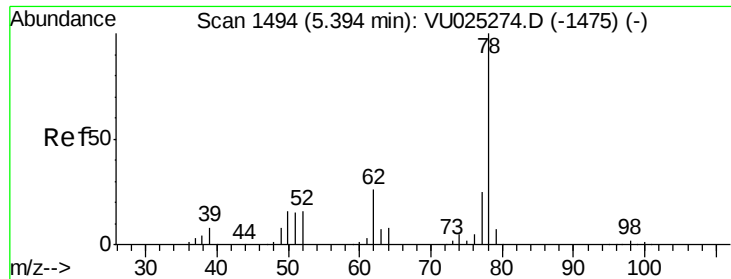
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#39
Methylcyclohexane
Concen: 1.10 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025301.D
Acq: 10 Jul 2018 20:08

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.1	60.0	90.0
98	44.8	36.1	54.1





#40

Benzene

Concen: 9.19 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

Instrument :

MSVOA_U

ClientSampleId :

SS038MW009-180705

Tot Ion: 78 Resp: 89985

Ion Ratio Lower Upper

78 100

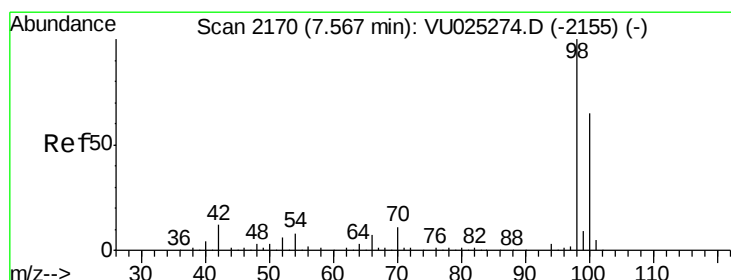
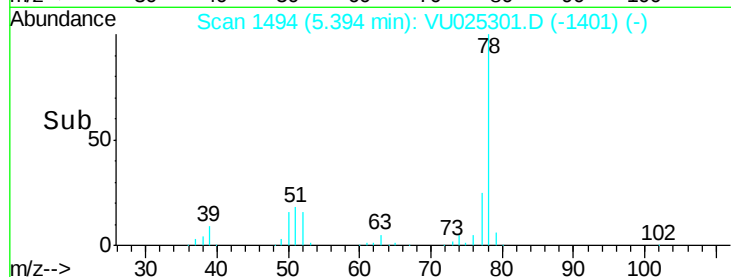
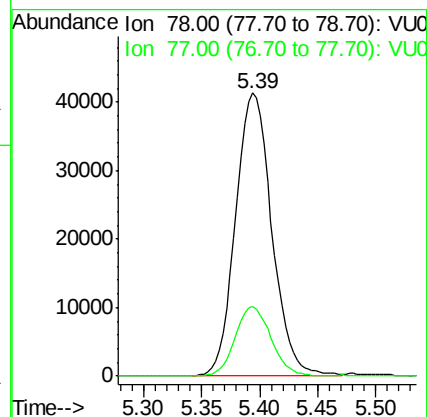
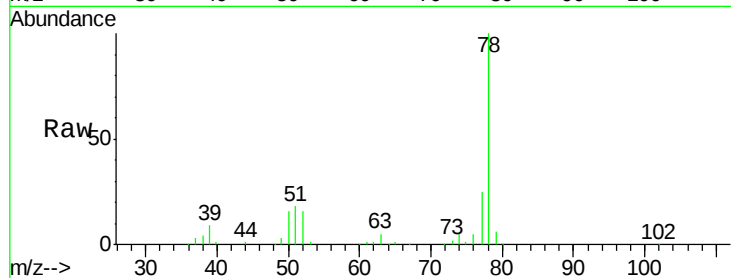
77 24.5 19.8 29.6

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#50

Toluene-d8

Concen: 49.89 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU025301.D

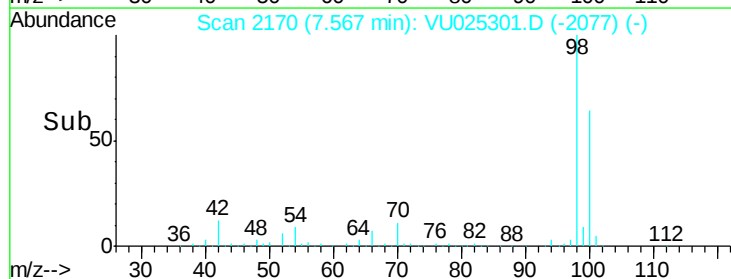
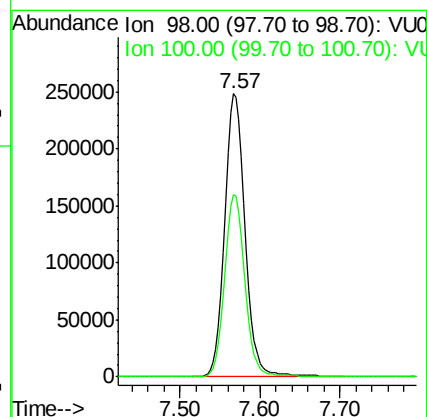
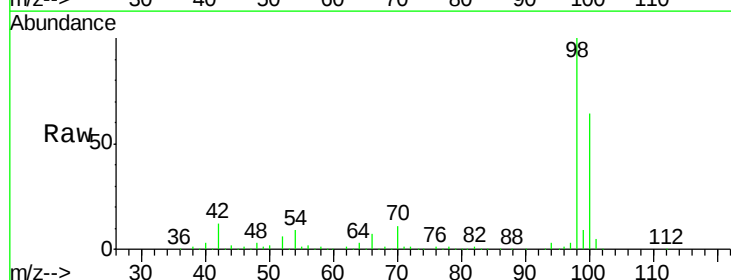
Acq: 10 Jul 2018 20:08

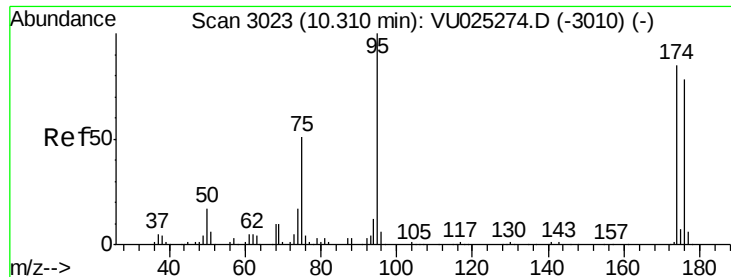
Tgt Ion: 98 Resp: 440583

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7





#62

4-Bromofluorobenzene

Concen: 47.72 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

Instrument :

MSVOA_U

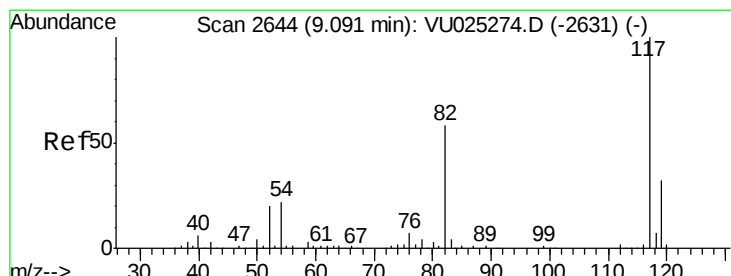
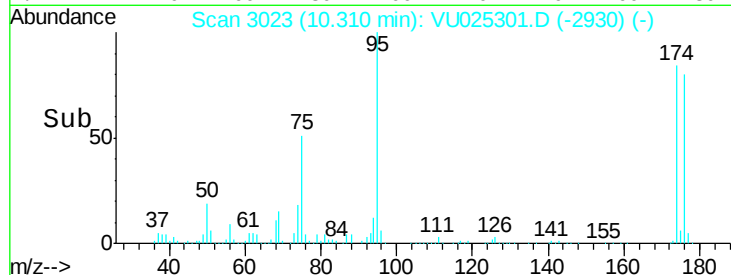
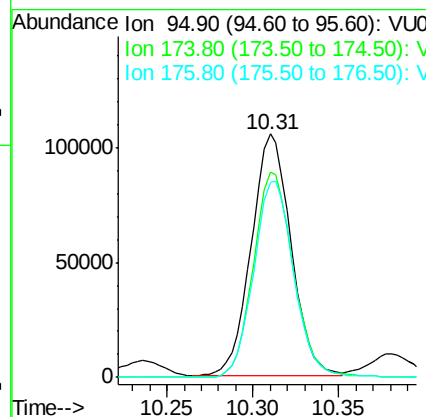
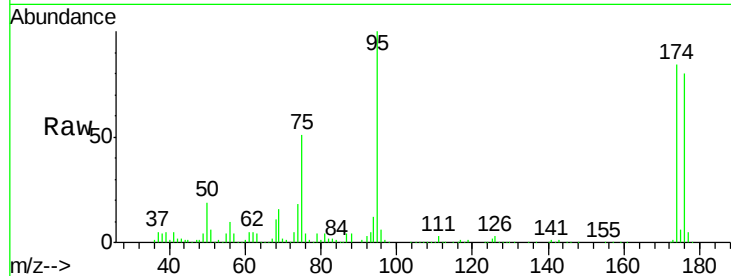
ClientSampleId :

SS038MW009-180705

Tot Ion:	95	Resp:	169647
Ion Ratio	Lower	Upper	
95	100		
174	85.1	0.0	172.2
176	81.7	0.0	162.6

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

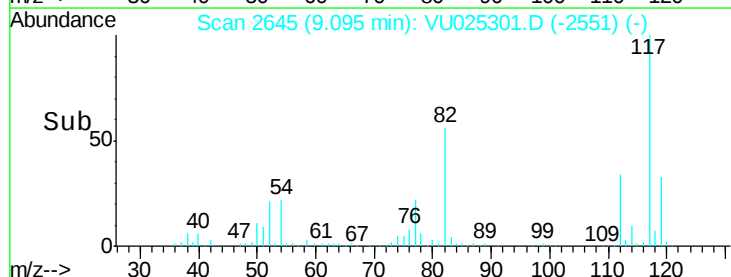
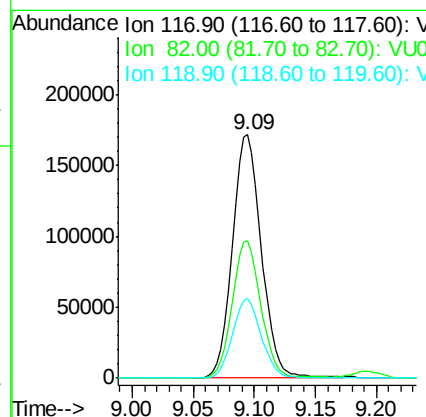
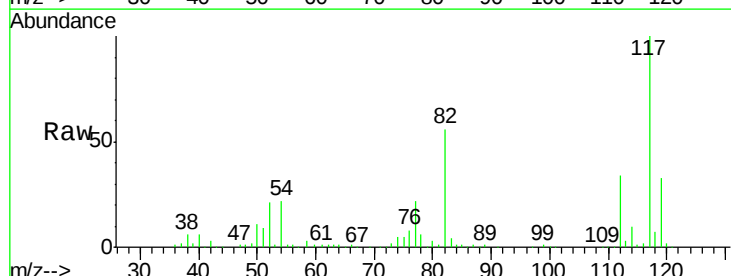
RT: 9.09 min Scan# 2645

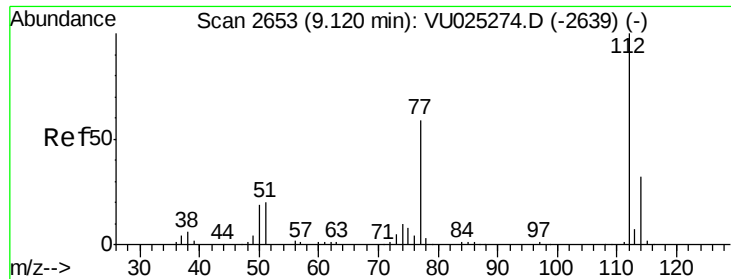
Delta R.T. 0.00 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

Tgt Ion:	117	Resp:	285680
Ion Ratio	Lower	Upper	
117	100		
82	56.3	46.0	69.0
119	32.6	26.0	39.0





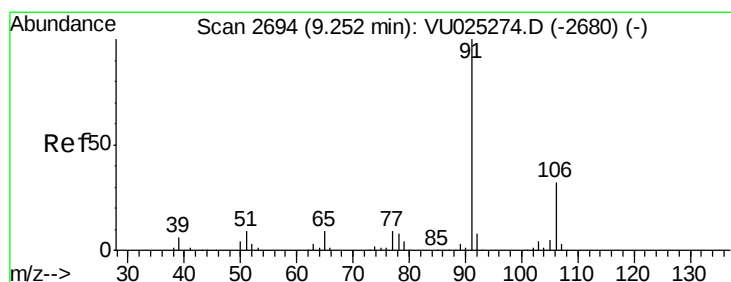
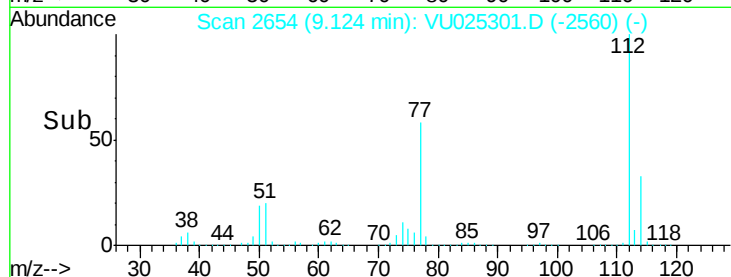
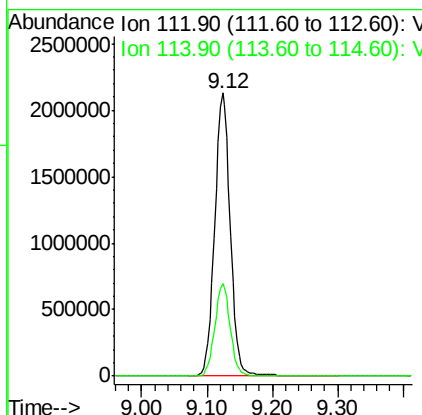
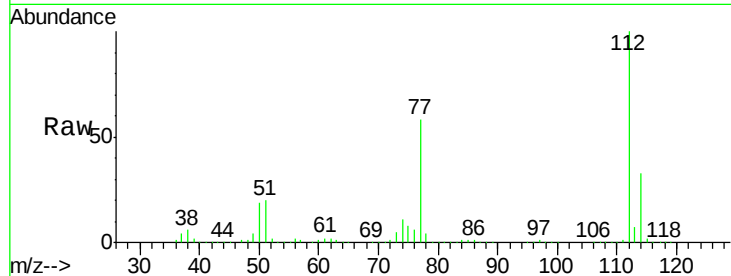
#65
Chlorobenzene
Concen: 494.29 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025301.D
Acq: 10 Jul 2018 20:08

Instrument :
MSVOA_U
ClientSampleId :
SS038MW009-180705

Tot Ion:112 Resp: 3527545
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.8

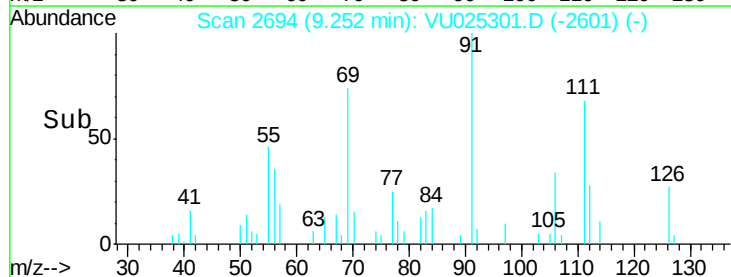
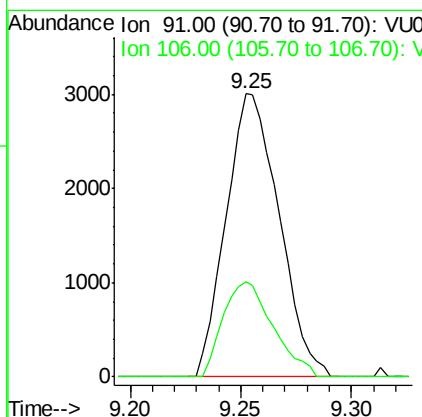
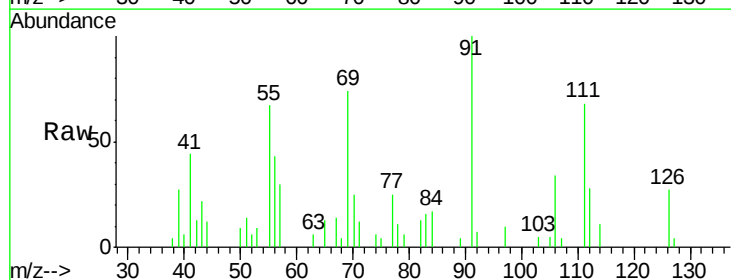
Manual Integrations
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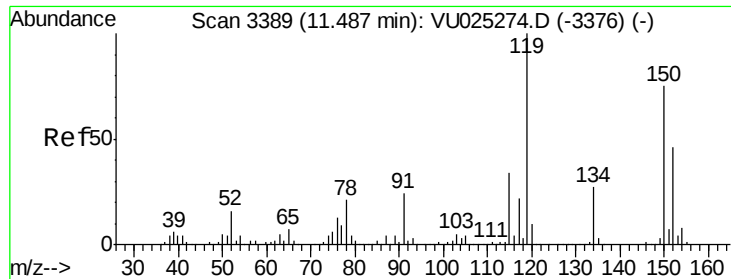
MMDadoda
7/11/2018 5:05:57 PM



#67
Ethyl Benzene
Concen: 0.41 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025301.D
Acq: 10 Jul 2018 20:08

Tgt Ion: 91 Resp: 5008
Ion Ratio Lower Upper
91 100
106 33.8 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

Instrument :

MSVOA_U

ClientSampleId :

SS038MW009-180705

Tot Ion:152 Resp: 158733

Ion Ratio Lower Upper

152 100

115 57.2 40.1 120.3

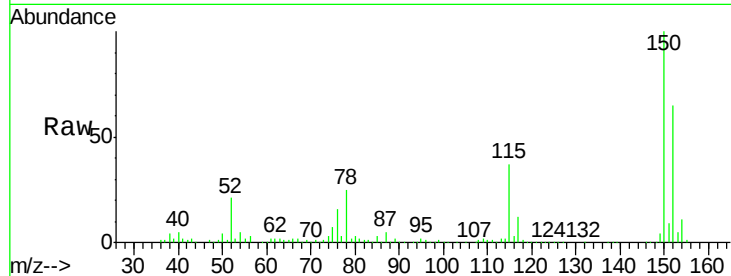
150 155.9 0.0 351.4

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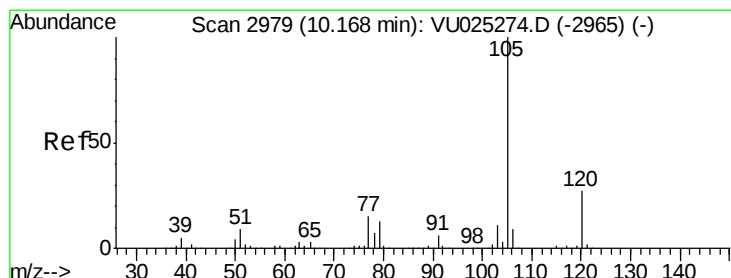
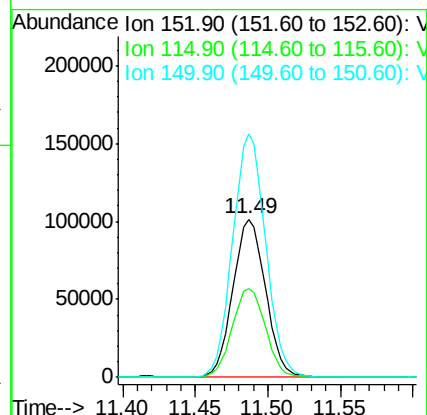
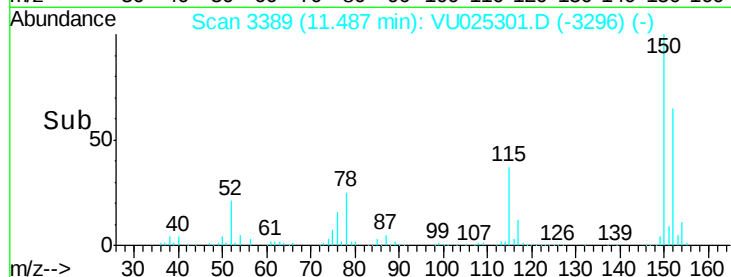
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 12.64 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025301.D

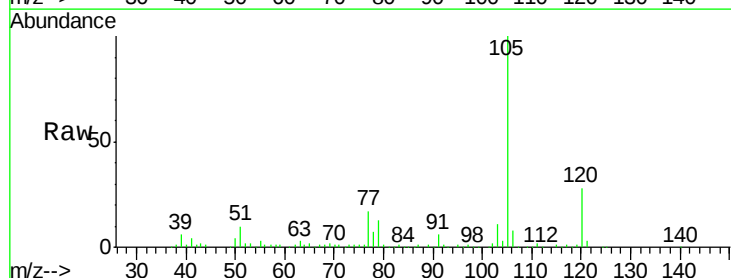
Acq: 10 Jul 2018 20:08

Tgt Ion:105 Resp: 153291

Ion Ratio Lower Upper

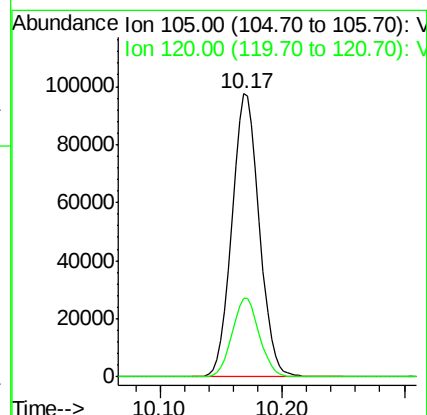
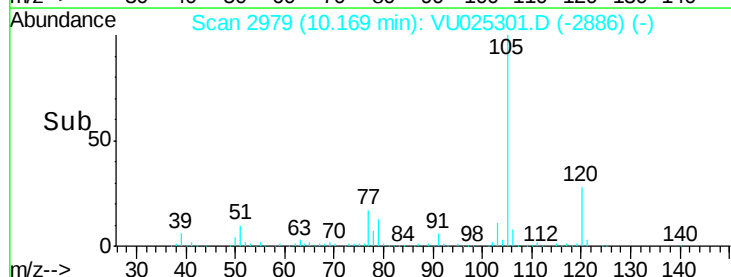
105 100

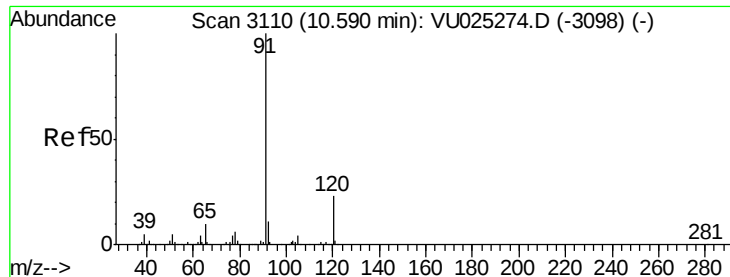
120 27.7 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 12.13 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

Instrument :

MSVOA_U

ClientSampleId :

SS038MW009-180705

Tot Ion: 91 Resp: 163220

Ion Ratio Lower Upper

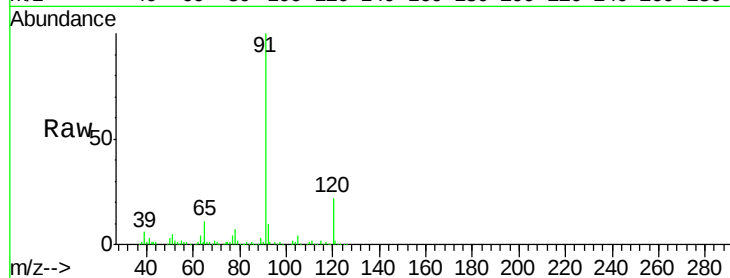
91 100

120 22.8 11.8 35.3

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Abundance Ion 91.00 (90.70 to 91.70): VU025274.D (-3098) (-)

Ion 120.00 (119.70 to 120.70): VU025274.D (-3098) (-)

120000

10.59

80000

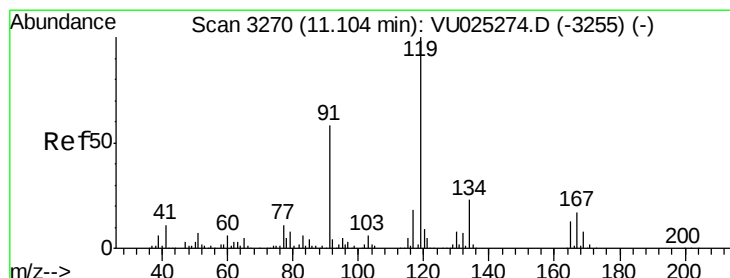
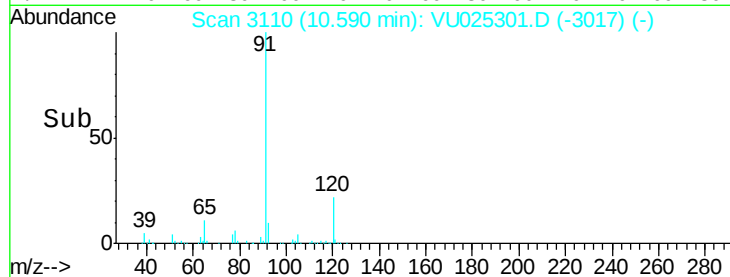
60000

40000

20000

0

Time--> 10.50 10.55 10.60 10.65



#83

tert-Butylbenzene

Concen: 8.10 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

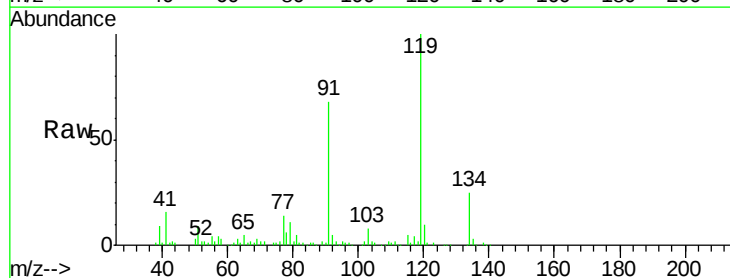
Tgt Ion: 119 Resp: 83485

Ion Ratio Lower Upper

119 100

91 68.2 29.7 89.1

134 24.4 11.5 34.5



Abundance Ion 119.00 (118.70 to 119.70): VU025274.D (-3255) (-)

Ion 91.00 (90.70 to 91.70): VU025274.D (-3255) (-)

Ion 134.00 (133.70 to 134.70): VU025274.D (-3255) (-)

60000

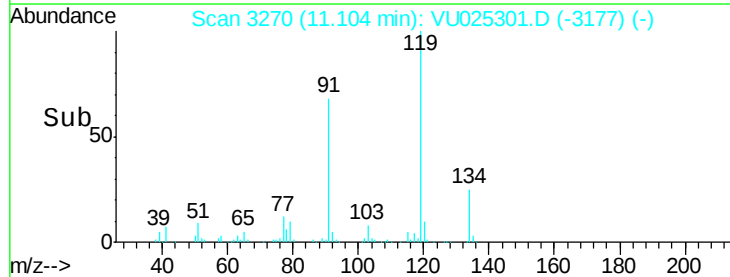
11.10

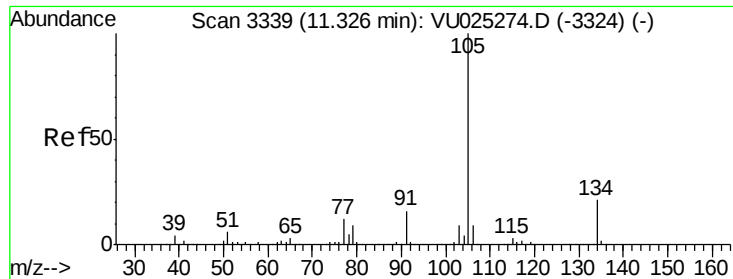
40000

20000

0

Time--> 11.05 11.10 11.15





#85

sec-Butylbenzene

Concen: 12.26 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

Instrument :

MSVOA_U

ClientSampleId :

SS038MW009-180705

Tot Ion: 105 Resp: 148857

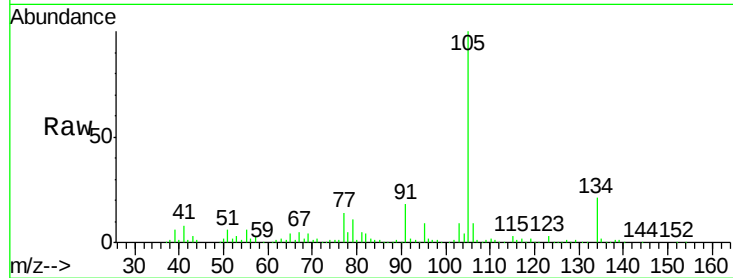
Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.8

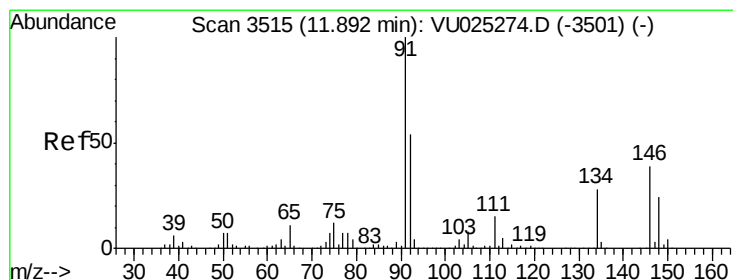
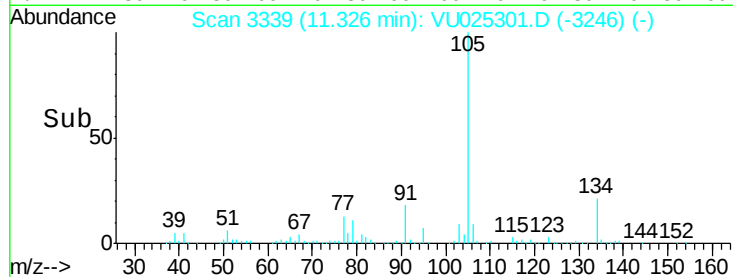
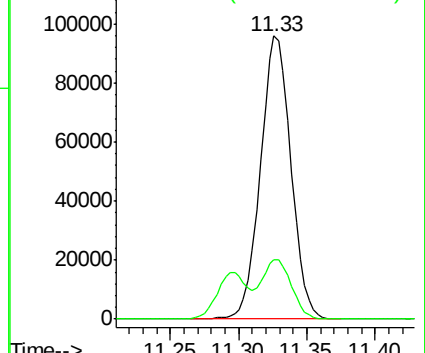
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 2.07 ug/l m

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025301.D

Acq: 10 Jul 2018 20:08

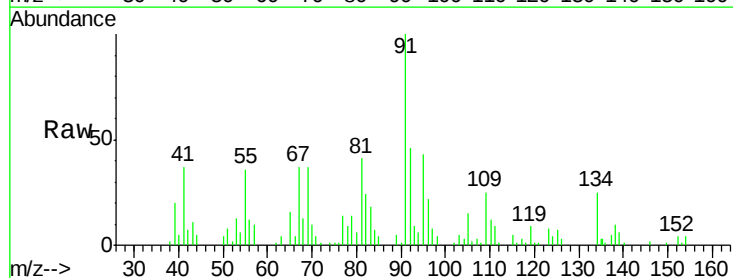
Tgt Ion: 91 Resp: 18279

Ion Ratio Lower Upper

91 100

92 53.0 26.5 79.5

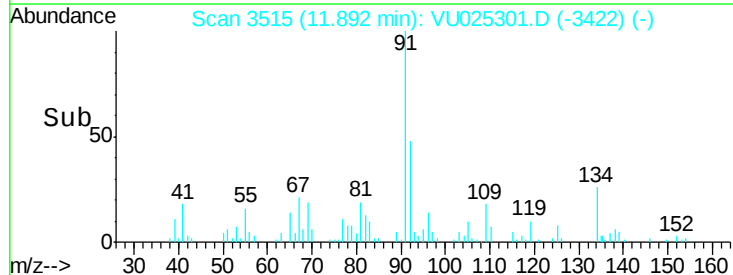
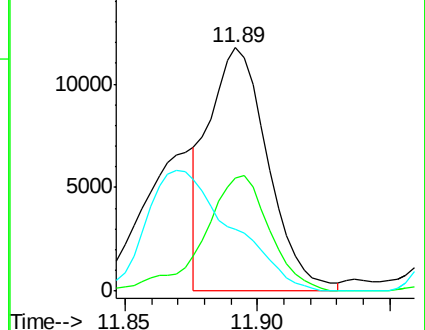
134 0.0 13.6 40.7#

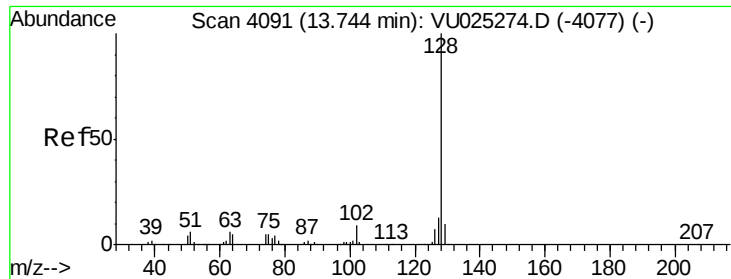


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#95
Naphthalene
Concen: 3.44 ug/l
RT: 13.74 min Scan# 4090
Delta R.T. -0.00 min
Lab File: VU025301.D
Acq: 10 Jul 2018 20:08

Instrument :
MSVOA_U
ClientSampleId :
SS038MW009-180705

Tot Ion	Ratio	Lower	Upper
128	100		
127	24.8	10.5	15.7#
129	34.7	8.3	12.5#

Manual Integrations
APPROVED

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