

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
 Data File : VU025300.D
 Acq On : 10 Jul 2018 19:44
 Operator : MD/SY
 Sample : J3898-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW013-180705

Manual Integrations
 APPROVED

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 7/11/2018 5:05:56 PM

Quant Time: Jul 11 08:28:52 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	207196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	308680	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	291067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	154886	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	154910	48.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.24%	
35) Dibromofluoromethane	4.89	113	121744	46.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.50%	
50) Toluene-d8	7.57	98	445124	49.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	10.31	95	167088	46.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.08%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.40	62	91063	38.65	ug/l	99
11) Tert butyl alcohol	2.82	59	3301	4.70	ug/l #	73
27) cis-1,2-Dichloroethene	4.23	96	68916	24.82	ug/l	90
39) Methylcyclohexane	6.42	83	6547	1.53	ug/l	97
40) Benzene	5.39	78	56107	5.67	ug/l	95
65) Chlorobenzene	9.12	112	1217031	167.38	ug/l	99
73) Isopropylbenzene	10.17	105	59897	5.06	ug/l	99
78) n-propylbenzene	10.59	91	17352	1.32	ug/l	95
83) tert-Butylbenzene	11.10	119	40807	4.06	ug/l	88
85) sec-Butylbenzene	11.33	105	94653	7.99	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	5257	2.43	ug/l	87
89) n-Butylbenzene	11.90	91	2604m	0.30	ug/l	
91) 1,2-Dichlorobenzene	11.88	146	5888	1.05	ug/l	98

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

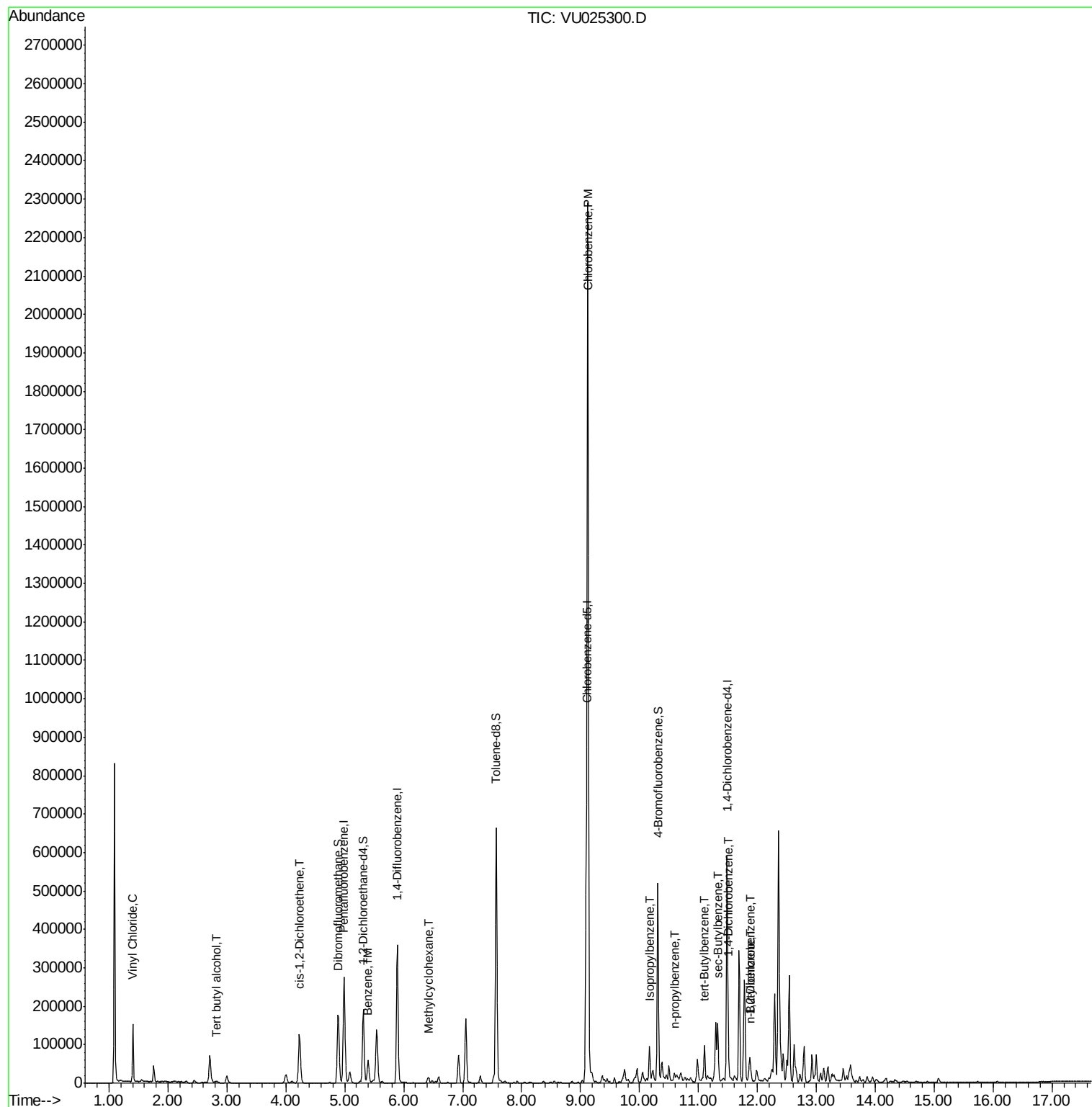
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025300.D
Acq On : 10 Jul 2018 19:44
Operator : MD/SY
Sample : J3898-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

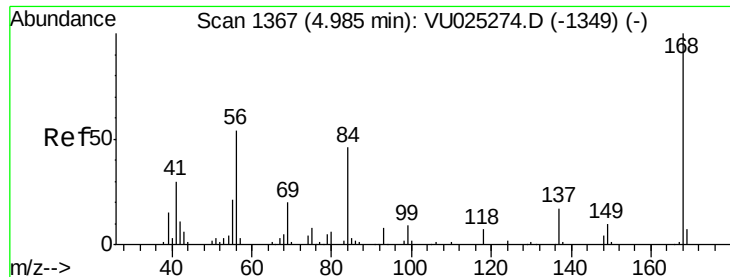
Instrument :
MSVOA_U
ClientSampleId :
SS038MW013-180705

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Quant Time: Jul 11 08:28:52 2018
Quant Method : Z:\V0ASRV\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: VU025300.D

Acq: 10 Jul 2018 19:44

Instrument :

MSVOA_U

ClientSampleId :

SS038MW013-180705

Tot Ion:168 Resp: 207196

Ion Ratio Lower Upper

168 100

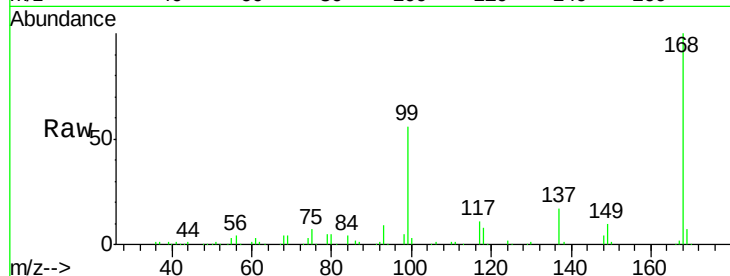
99 56.4 42.8 64.2

Manual Integrations

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

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

100000

80000

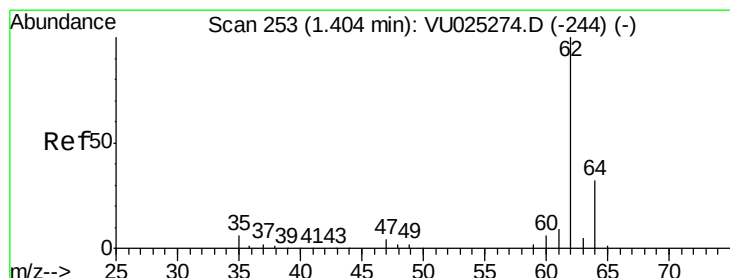
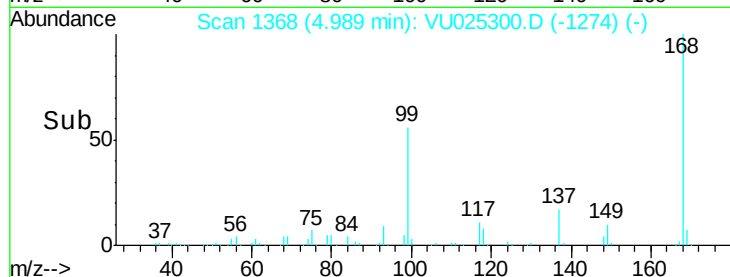
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 38.65 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025300.D

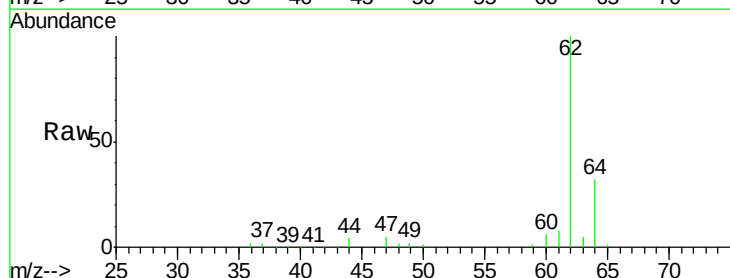
Acq: 10 Jul 2018 19:44

Tgt Ion: 62 Resp: 91063

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU025274.D (-244) (-)

Ion 63.90 (63.60 to 64.60): VU025274.D (-244) (-)

1.40

100000

80000

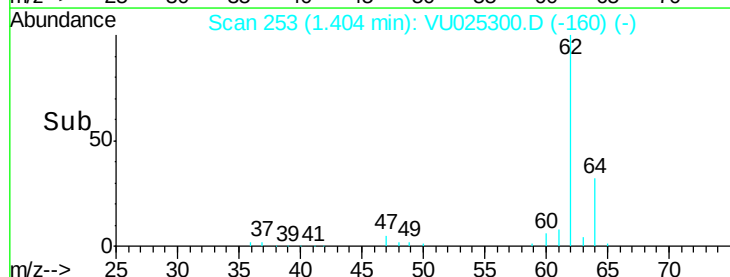
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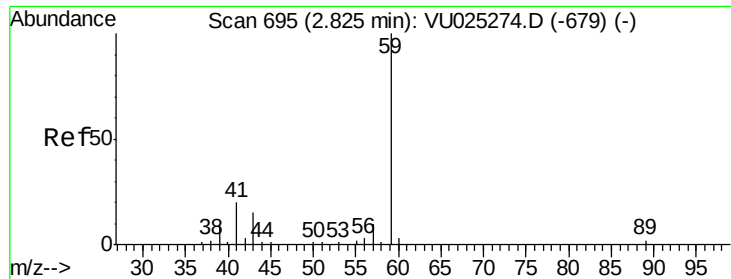
40000

20000

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Time-->





#11

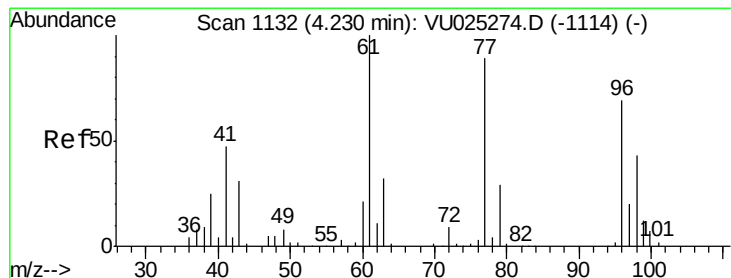
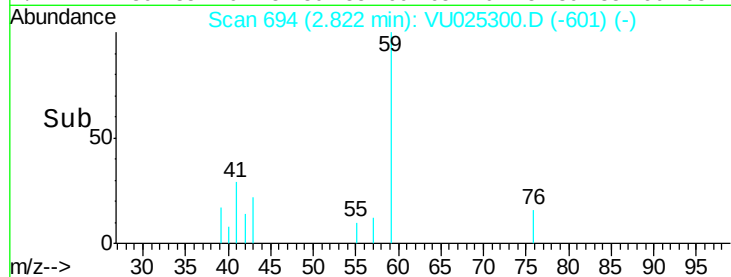
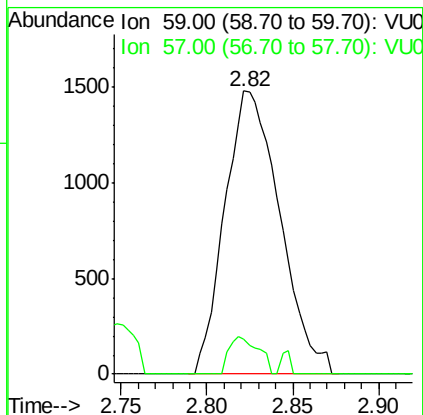
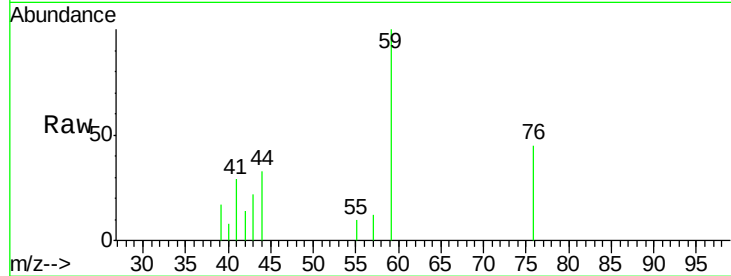
Tert butyl alcohol
Concen: 4.70 ug/l
RT: 2.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VU025300.D
Acq: 10 Jul 2018 19:44

Instrument :
MSVOA_U
ClientSampleId :
SS038MW013-180705

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#

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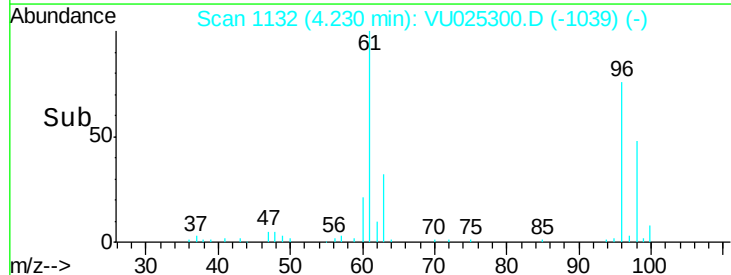
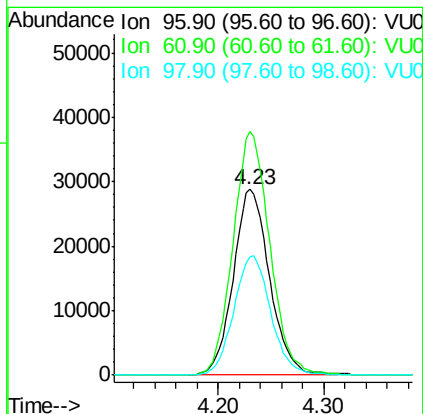
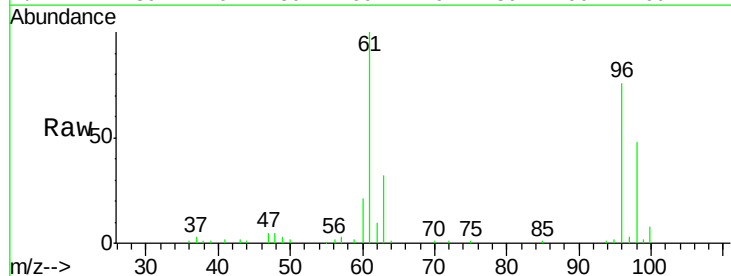
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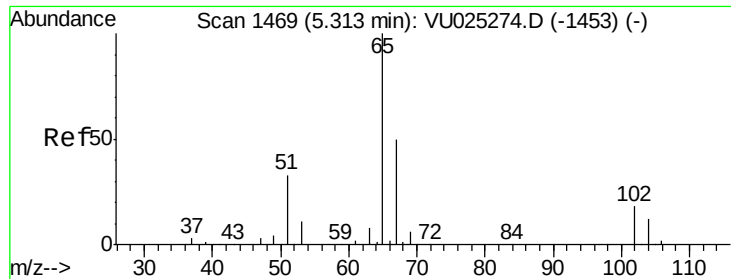


#27

cis-1,2-Dichloroethene
Concen: 24.82 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VU025300.D
Acq: 10 Jul 2018 19:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.7	0.0	299.8
98	65.2	0.0	128.6





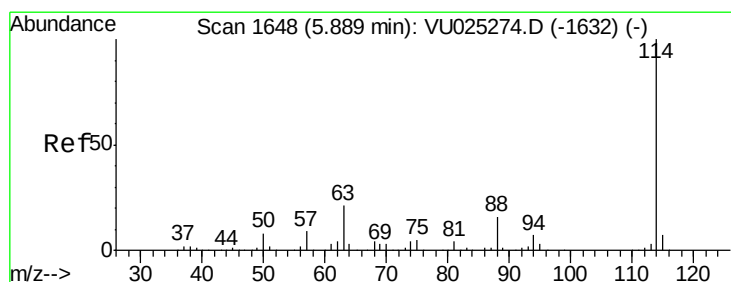
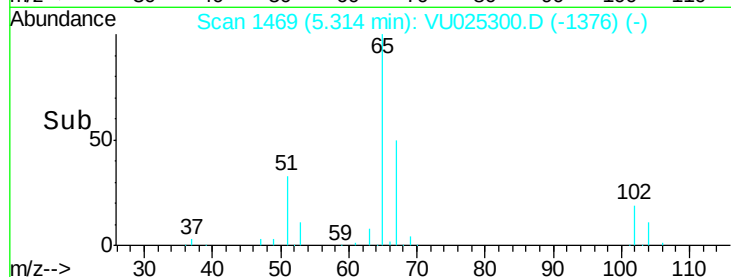
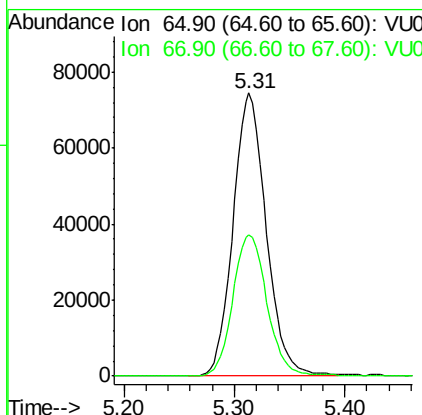
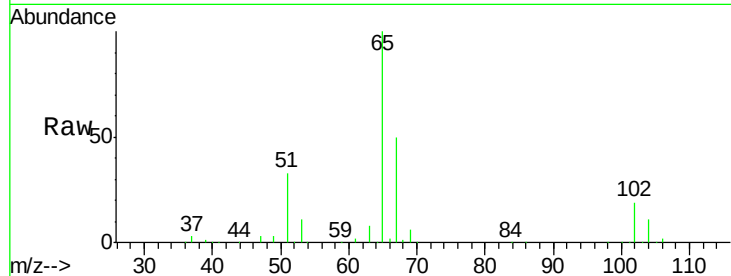
#33
 1,2-Dichloroethane-d4
 Concen: 48.12 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025300.D
 Acq: 10 Jul 2018 19:44

Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW013-180705

Tot Ion	Ratio	Resp	Lower	Upper
65	100	154910		
67	51.6	0.0	103.6	

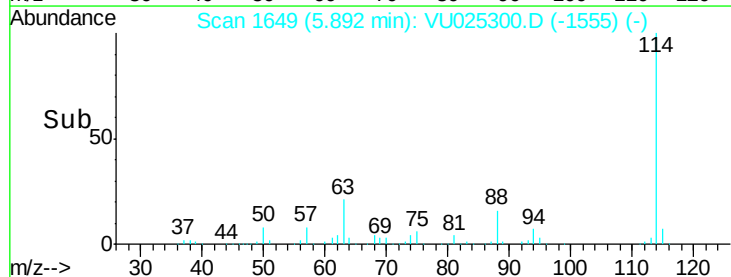
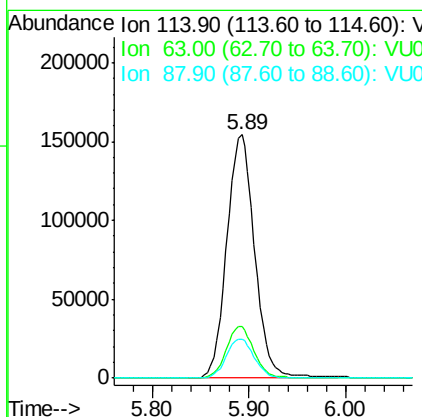
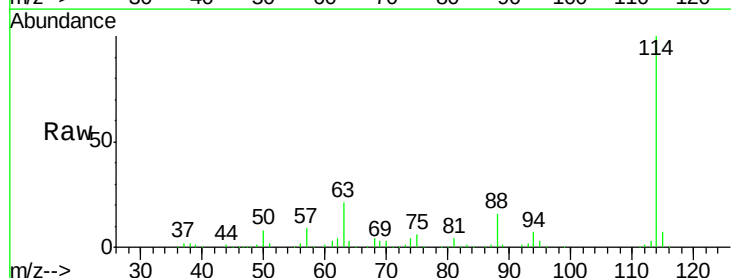
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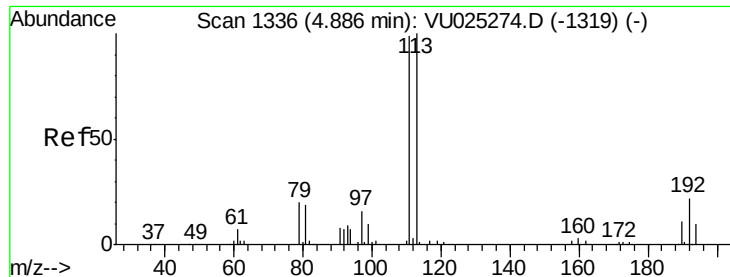
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 7/11/2018 5:05:56 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025300.D
 Acq: 10 Jul 2018 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	308680		
63	21.0	0.0	41.6	
88	16.1	0.0	32.4	





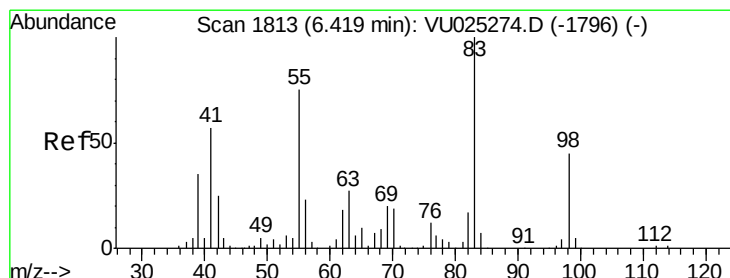
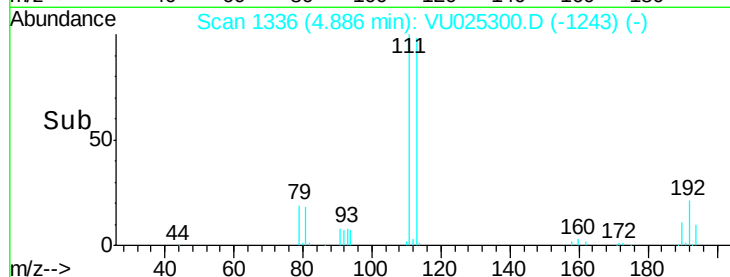
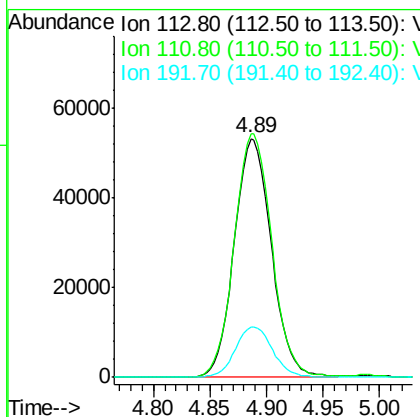
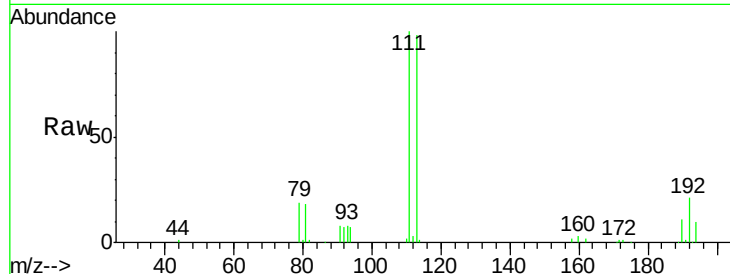
#35
Dibromofluoromethane
Concen: 46.75 ug/l
RT: 4.89 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU025300.D
Acq: 10 Jul 2018 19:44

Instrument :
MSVOA_U
ClientSampleId :
SS038MW013-180705

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.7	122.5
192	21.2	17.1	25.7

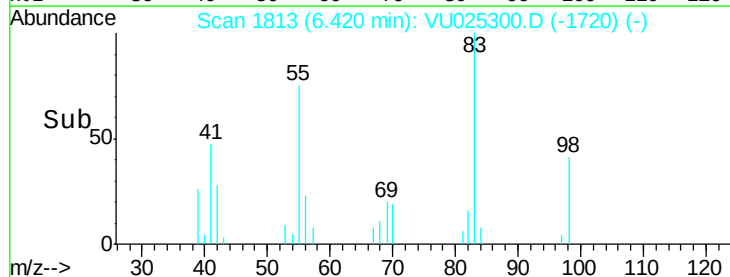
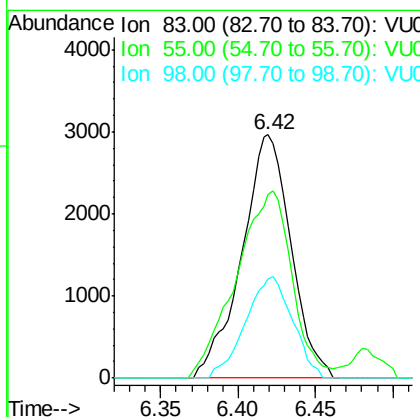
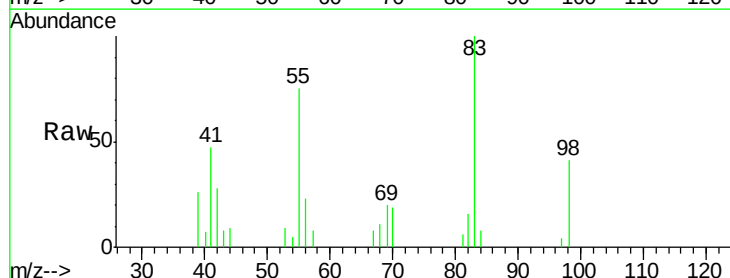
Manual Integrations
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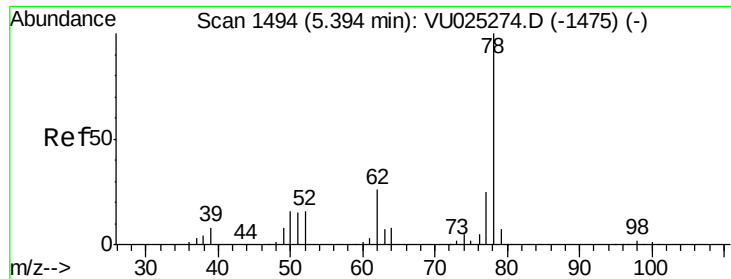
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#39
Methylcyclohexane
Concen: 1.53 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025300.D
Acq: 10 Jul 2018 19:44

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.1	60.0	90.0
98	40.6	36.1	54.1





#40

Benzene

Concen: 5.67 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU025300.D

Acq: 10 Jul 2018 19:44

Instrument :

MSVOA_U

ClientSampleId :

SS038MW013-180705

Tot Ion: 78 Resp: 56107

Ion Ratio Lower Upper

78 100

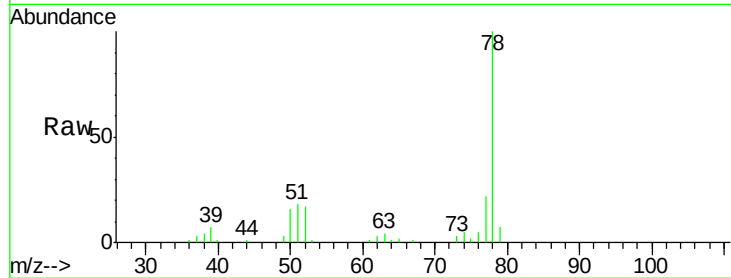
77 22.4 19.8 29.6

Manual Integrations

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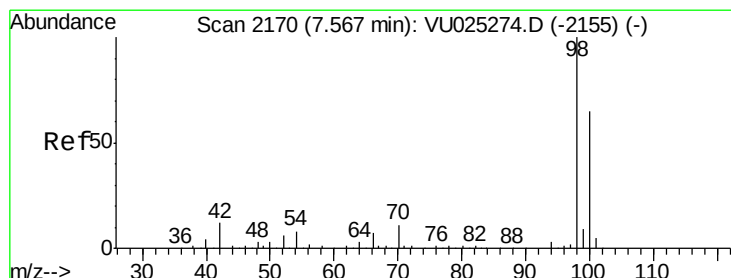
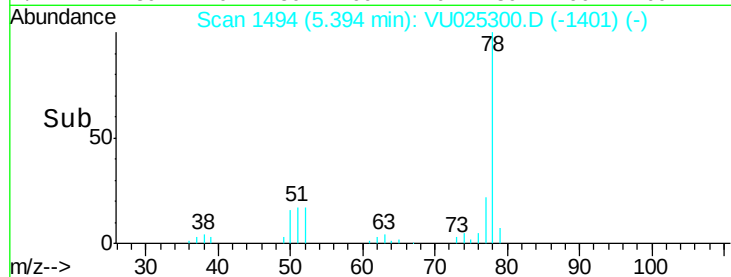
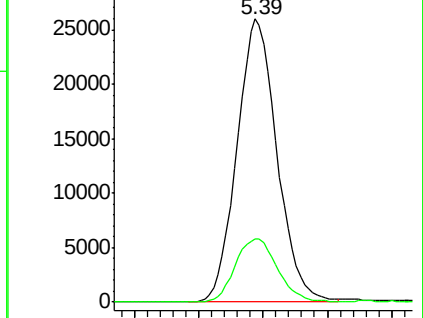
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Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#50

Toluene-d8

Concen: 49.92 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU025300.D

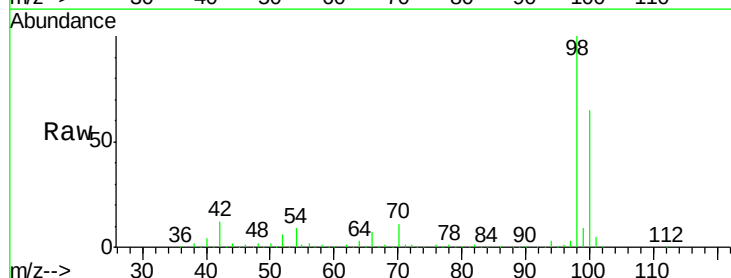
Acq: 10 Jul 2018 19:44

Tgt Ion: 98 Resp: 445124

Ion Ratio Lower Upper

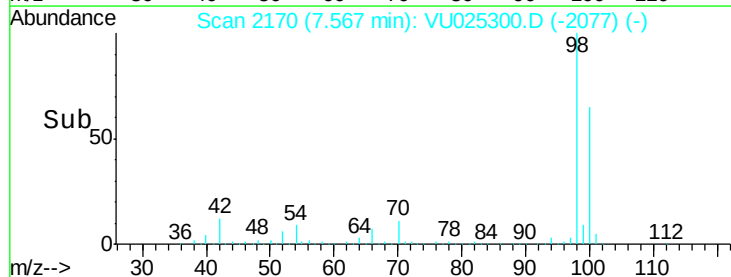
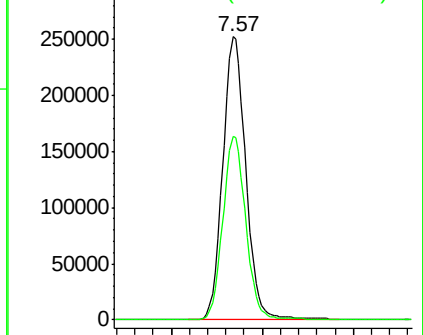
98 100

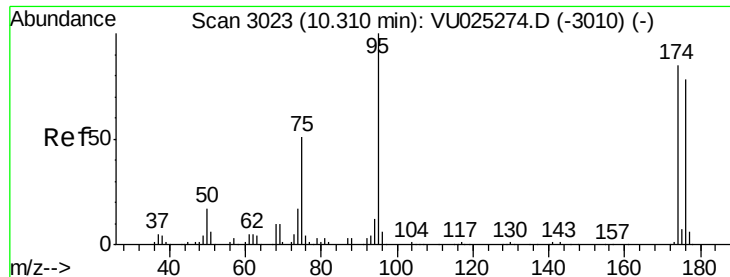
100 64.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





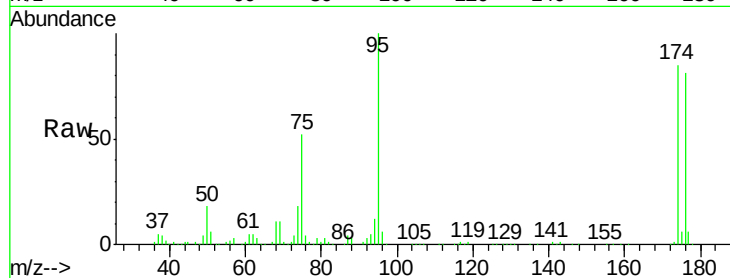
#62
4-Bromofluorobenzene
Concen: 46.54 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025300.D
Acq: 10 Jul 2018 19:44

Instrument :
MSVOA_U
ClientSampleId :
SS038MW013-180705

Tot Ion	Ratio	Resp	Lower	Upper
95	100	167088		
174	84.6	0.0	172.2	
176	82.1	0.0	162.6	

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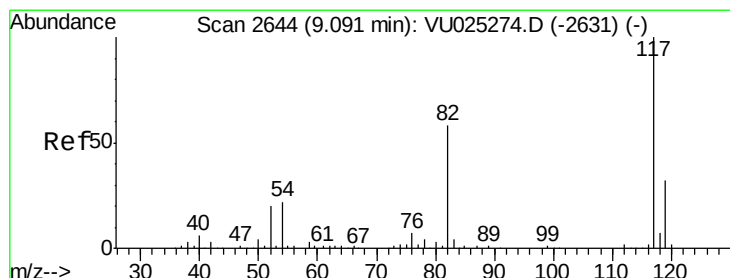
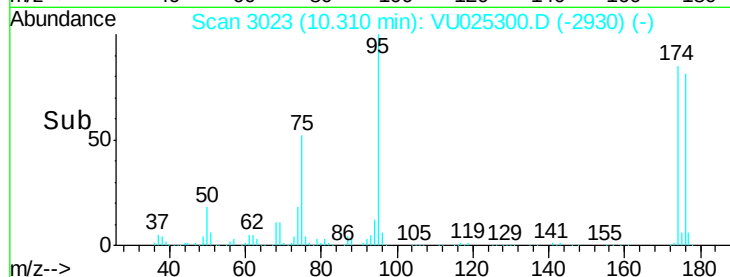
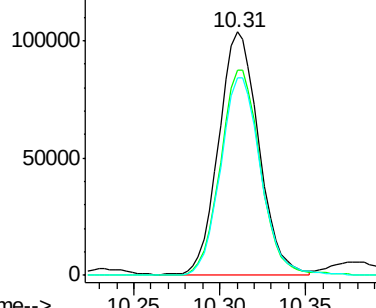
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Abundance Ion 94.90 (94.60 to 95.60): VU025274.D (-3010) (-)

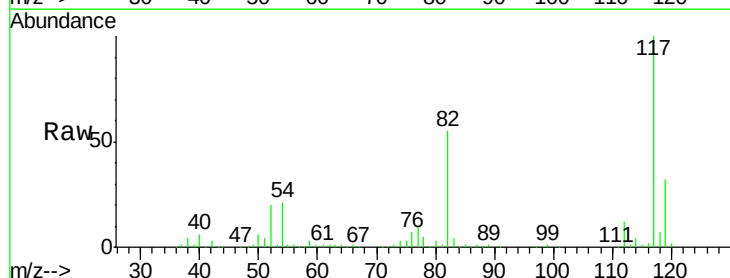
Ion 173.80 (173.50 to 174.50): VU025274.D (-3010) (-)

Ion 175.80 (175.50 to 176.50): VU025274.D (-3010) (-)



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025300.D
Acq: 10 Jul 2018 19:44

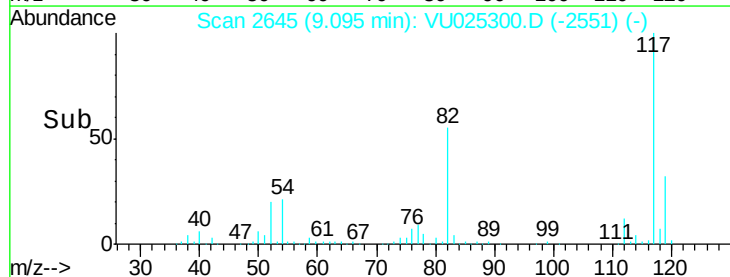
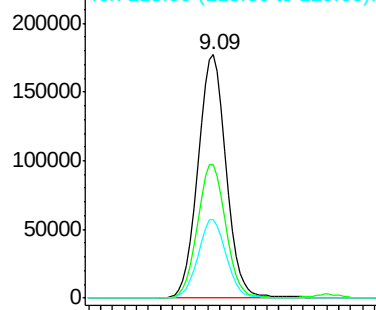
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	291067		
82	54.9	46.0	69.0	
119	32.1	26.0	39.0	

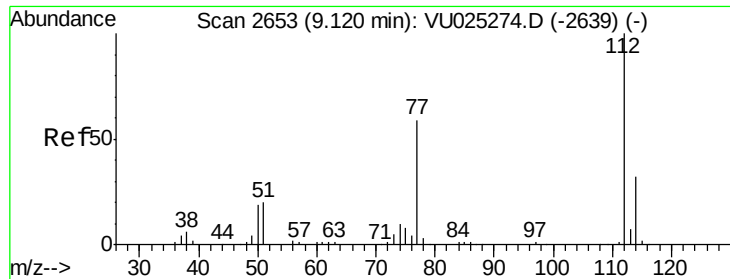


Abundance Ion 116.90 (116.60 to 117.60): VU025274.D (-2631) (-)

Ion 82.00 (81.70 to 82.70): VU025274.D (-2631) (-)

Ion 118.90 (118.60 to 119.60): VU025274.D (-2631) (-)





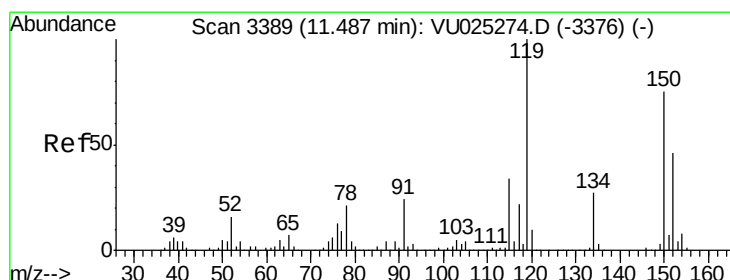
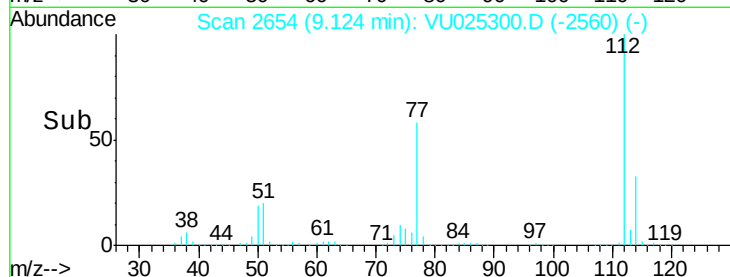
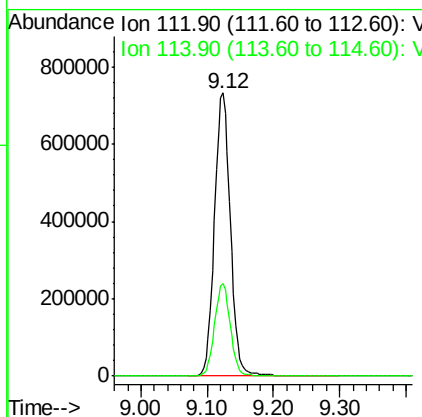
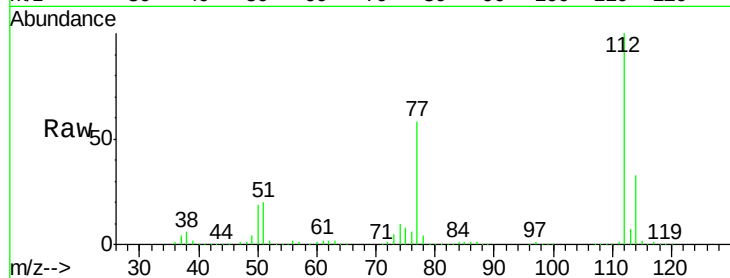
#65
Chlorobenzene
Concen: 167.38 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025300.D
Acq: 10 Jul 2018 19:44

Instrument :
MSVOA_U
ClientSampleId :
SS038MW013-180705

Tot Ion:112 Resp: 1217031
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.8

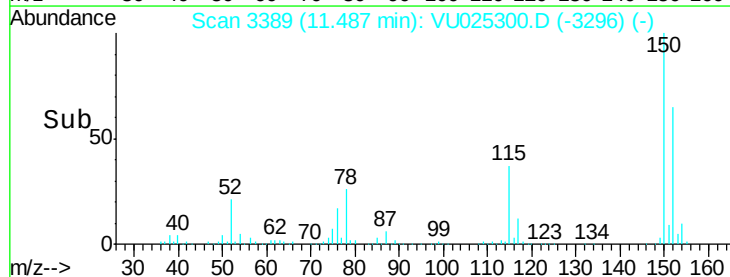
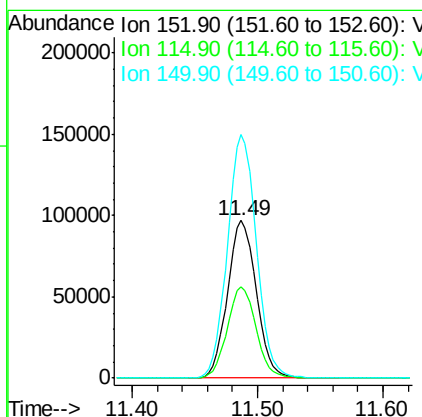
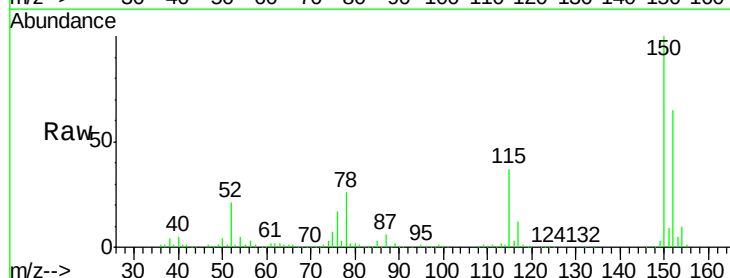
Manual Integrations
APPROVED

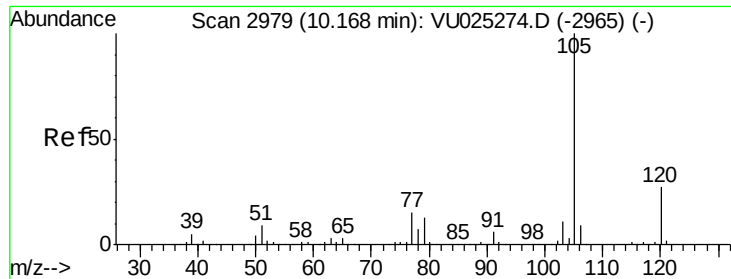
MMDadoda
7/11/2018 5:05:56 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025300.D
Acq: 10 Jul 2018 19:44

Tgt Ion:152 Resp: 154886
Ion Ratio Lower Upper
152 100
115 57.9 40.1 120.3
150 155.1 0.0 351.4





#73

Isopropylbenzene

Concen: 5.06 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025300.D

Acq: 10 Jul 2018 19:44

Instrument :

MSVOA_U

ClientSampleId :

SS038MW013-180705

Tot Ion:105 Resp: 59897

Ion Ratio Lower Upper

105 100

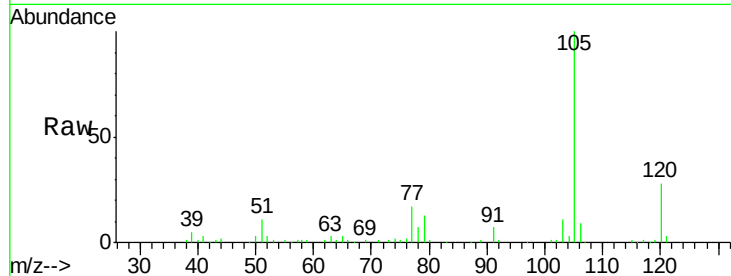
120 27.6

13.5 40.5

Manual Integrations
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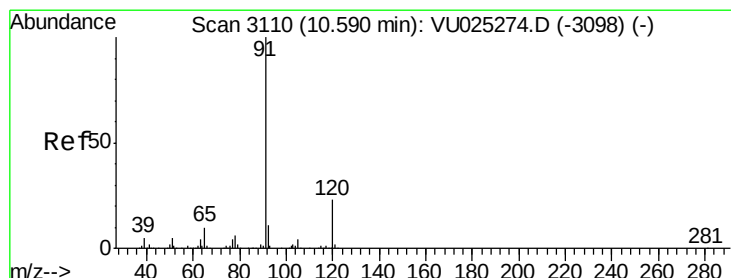
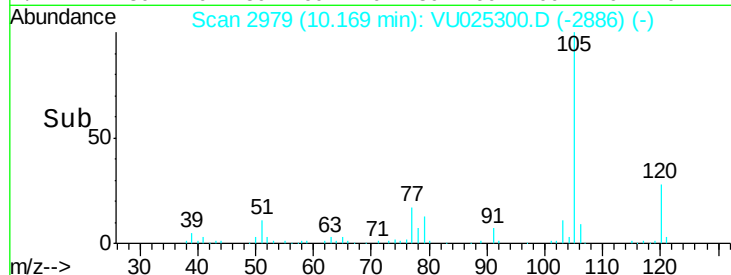
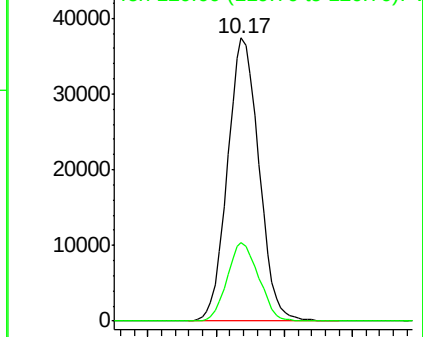
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 1.32 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025300.D

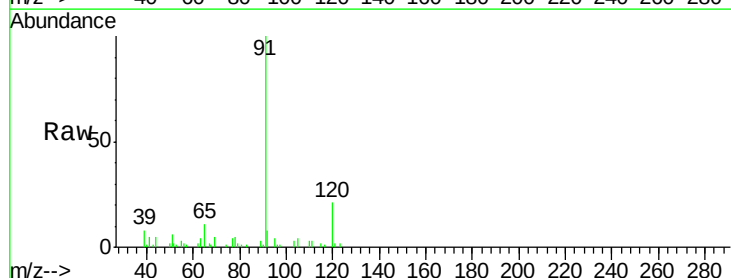
Acq: 10 Jul 2018 19:44

Tgt Ion: 91 Resp: 17352

Ion Ratio Lower Upper

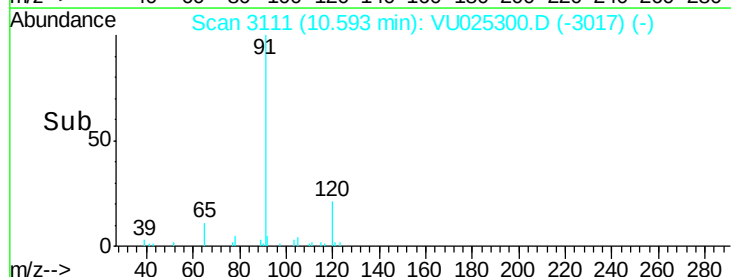
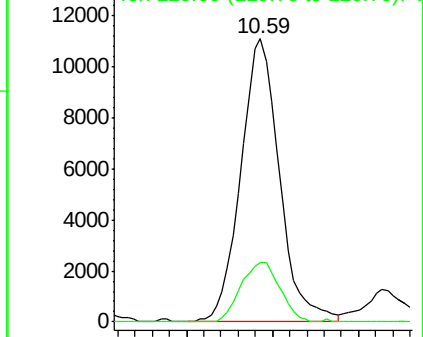
91 100

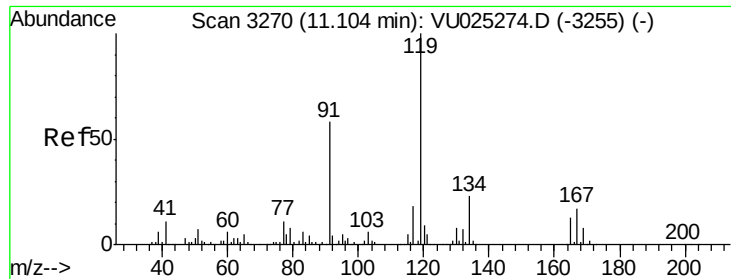
120 21.1 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





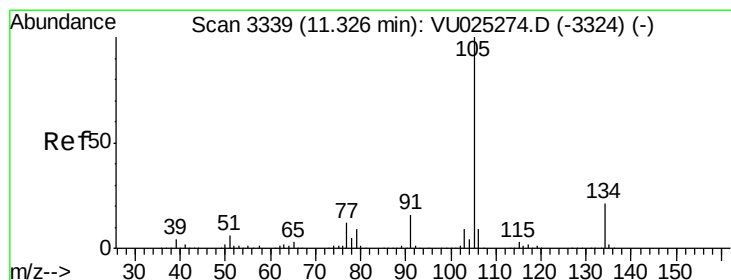
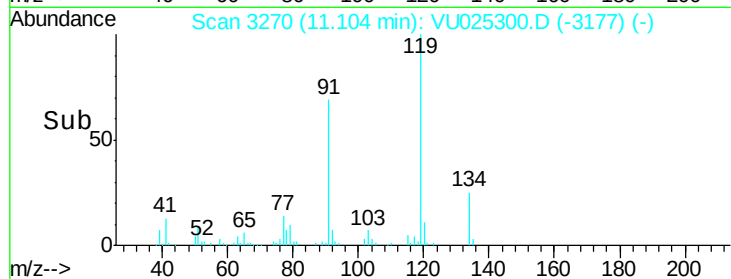
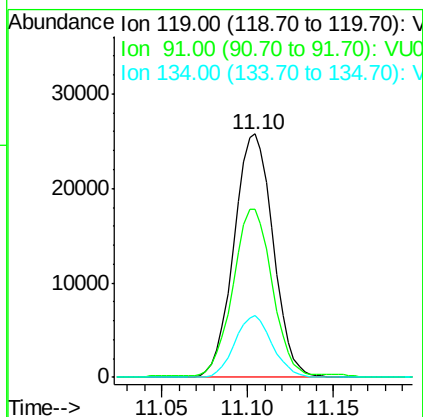
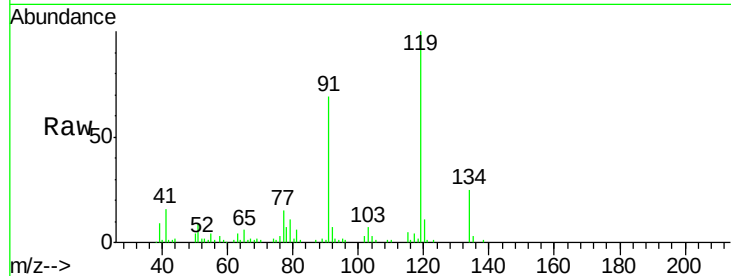
#83
tert-Butylbenzene
Concen: 4.06 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025300.D
Acq: 10 Jul 2018 19:44

Instrument :
MSVOA_U
ClientSampleId :
SS038MW013-180705

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.4	29.7	89.1
134	24.3	11.5	34.5

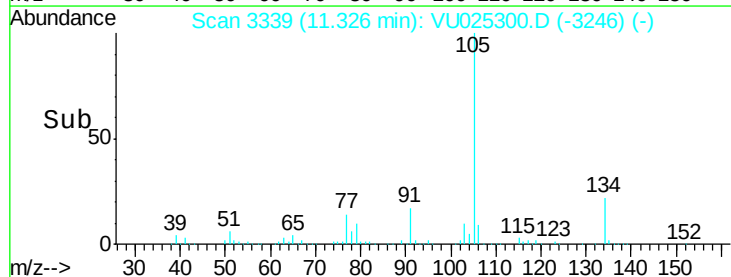
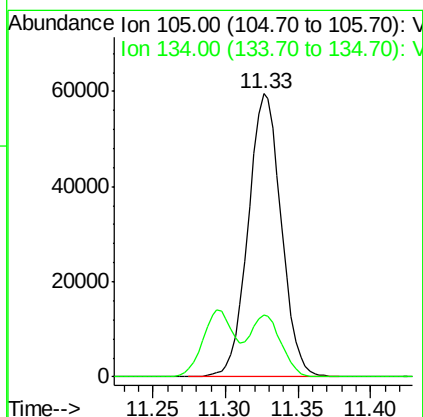
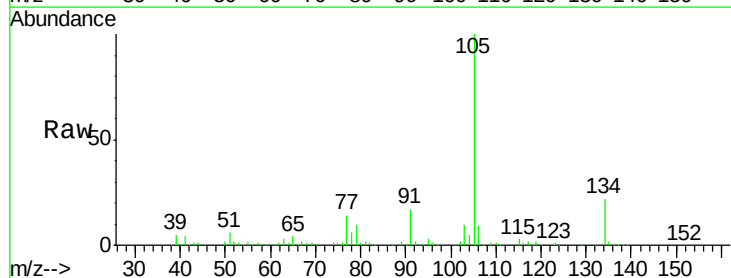
Manual Integrations
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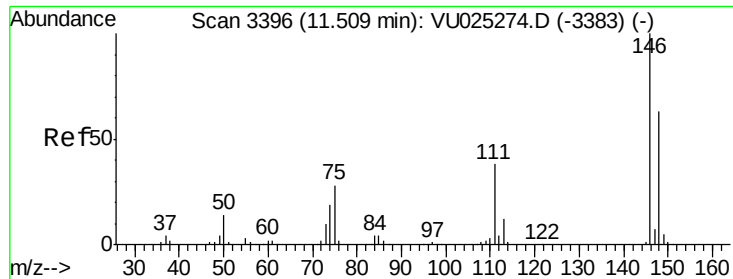
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#85
sec-Butylbenzene
Concen: 7.99 ug/l
RT: 11.33 min Scan# 3339
Delta R.T. 0.00 min
Lab File: VU025300.D
Acq: 10 Jul 2018 19:44

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.4	10.3	30.8





#88

1,4-Dichlorobenzene

Concen: 2.43 ug/l

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025300.D

Acq: 10 Jul 2018 19:44

Instrument :

MSVOA_U

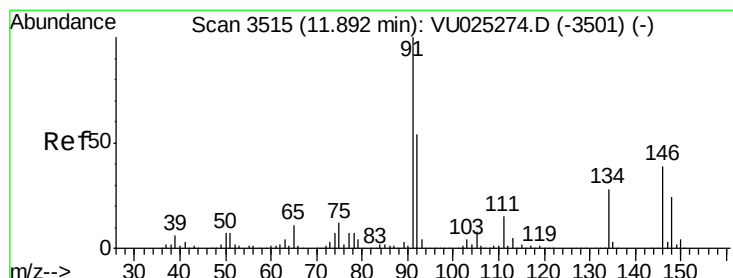
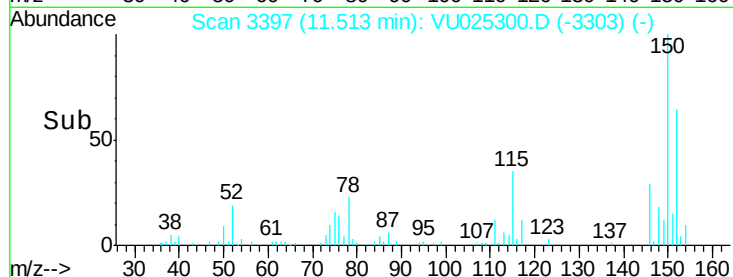
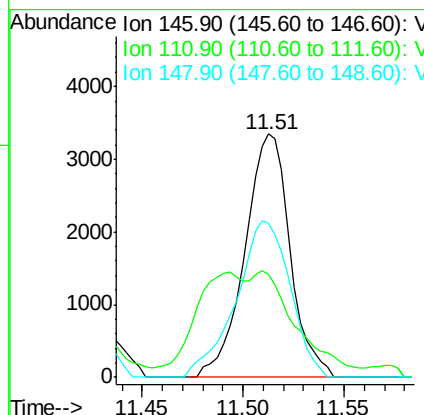
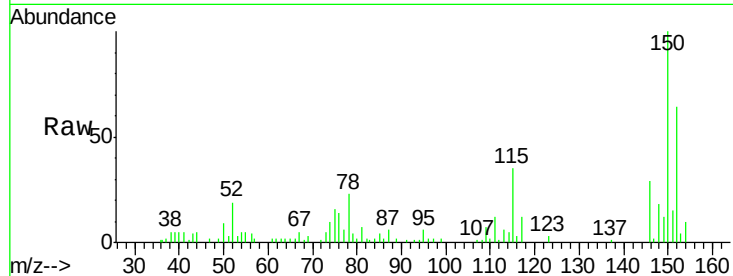
ClientSampleId :

SS038MW013-180705

Tot Ion:	146	Resp:	5257
Ion Ratio	Lower	Upper	
146	100		
111	42.6	19.4	58.1
148	76.5	31.7	95.1

Manual Integrations
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#89

n-Butylbenzene

Concen: 0.30 ug/l m

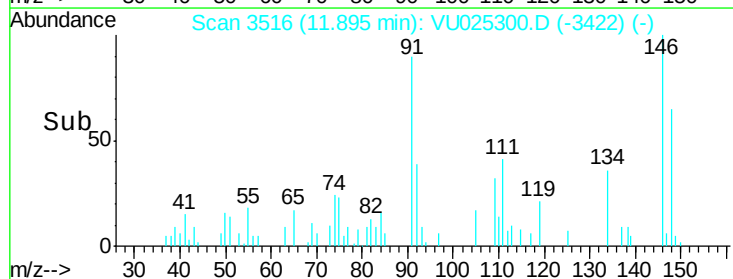
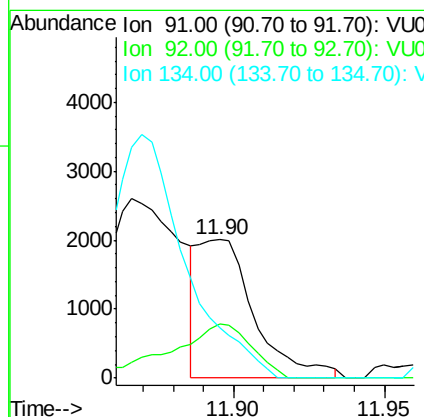
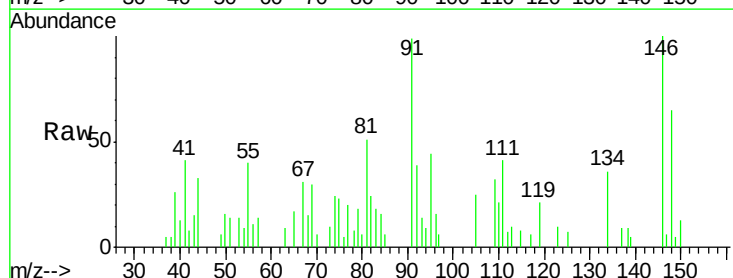
RT: 11.90 min Scan# 3516

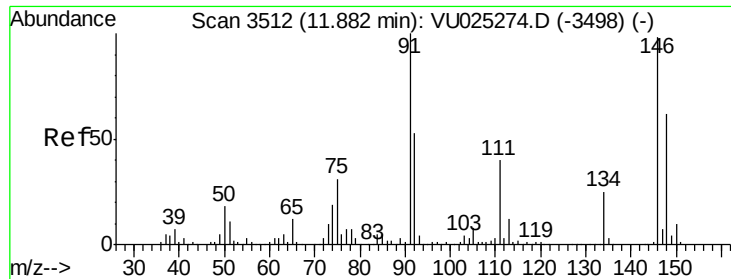
Delta R.T. 0.00 min

Lab File: VU025300.D

Acq: 10 Jul 2018 19:44

Tgt Ion:	91	Resp:	2604
Ion Ratio	Lower	Upper	
91	100		
92	0.0	26.5	79.5#
134	237.4	13.6	40.7#





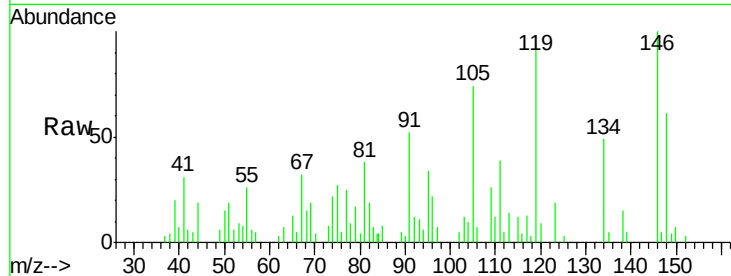
#91
 1,2-Dichlorobenzene
 Concen: 1.05 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025300.D
 Acq: 10 Jul 2018 19:44

Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW013-180705

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.6	61.8
148	61.5	31.5	94.5

Manual Integrations
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Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

