

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071118\
 Data File : VU025312.D
 Acq On : 11 Jul 2018 14:14
 Operator : MD/SY
 Sample : J3898-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0494-180704

Manual Integrations
 APPROVED

MMDadoda
 7/12/2018 11:04:18 AM

Quant Time: Jul 12 09:04:34 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	209205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	317615	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	292571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	156494	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	158604	48.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.60%	
35) Dibromofluoromethane	4.89	113	123100	45.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.88%	
50) Toluene-d8	7.57	98	461630	50.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.62%	
62) 4-Bromofluorobenzene	10.31	95	167620	45.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.76%	
Target Compounds						
65) Chlorobenzene	9.12	112	144975	19.836	ug/l	99
73) Isopropylbenzene	10.17	105	45872	3.836	ug/l	96
78) n-propylbenzene	10.59	91	5021	0.378	ug/l	97
83) tert-Butylbenzene	11.10	119	74914	7.368	ug/l	91
85) sec-Butylbenzene	11.33	105	160391	13.398	ug/l	93
87) 1,3-Dichlorobenzene	11.42	146	3847m	0.688	ug/l	
88) 1,4-Dichlorobenzene	11.51	146	9505	3.176	ug/l #	83

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

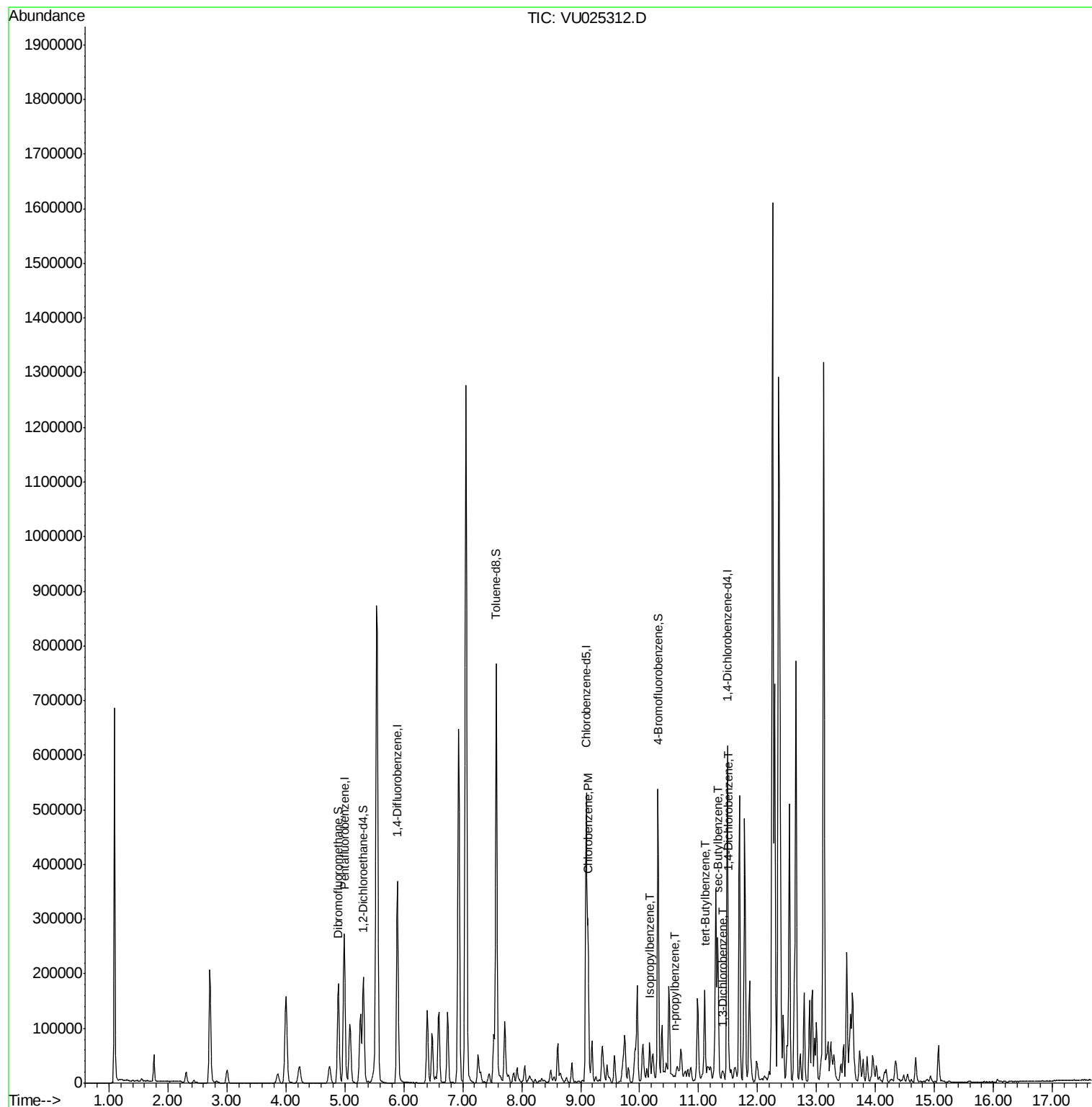
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071118\
Data File : VU025312.D
Acq On : 11 Jul 2018 14:14
Operator : MD/SY
Sample : J3898-09
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

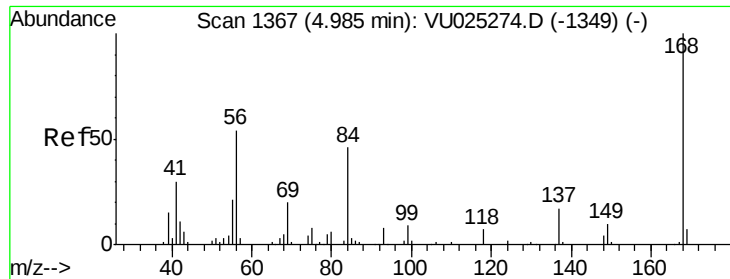
Instrument :
MSVOA_U
ClientSampleId :
DUP-0494-180704

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7/12/2018 11:04:18 AM

Quant Time: Jul 12 09:04:34 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: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

DUP-0494-180704

Tot Ion:168 Resp: 209205

Ion Ratio Lower Upper

168 100

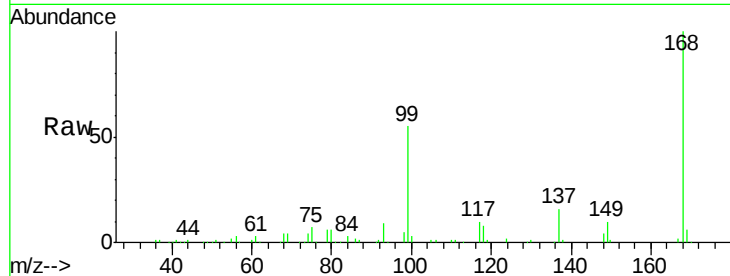
99 55.5 42.8 64.2

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Abundance Ion 167.90 (167.60 to 168.60): VU025312.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025312.D (-1349) (-)

4.99

100000

80000

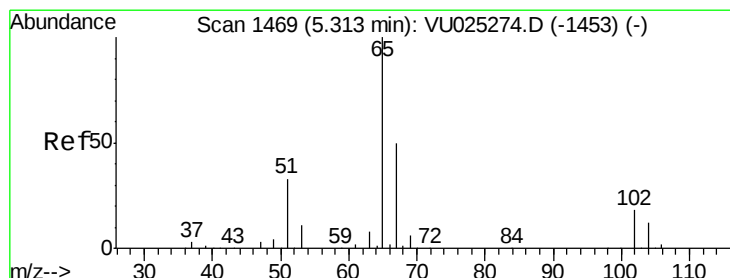
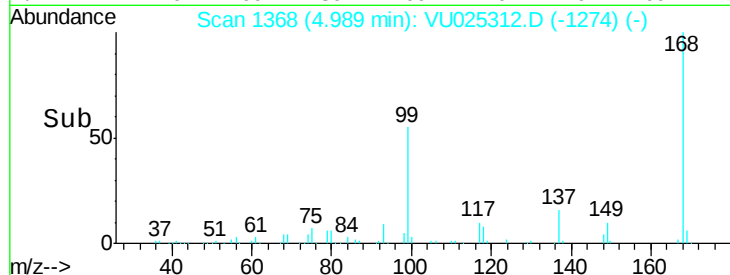
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.797 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025312.D

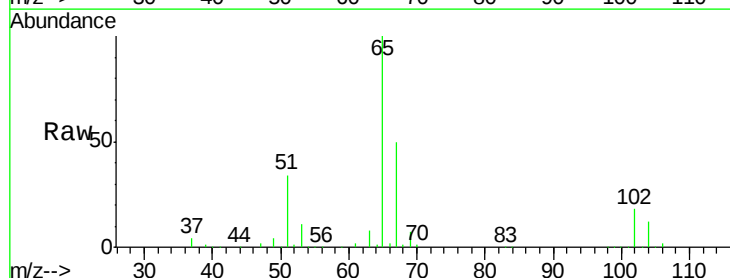
Acq: 11 Jul 2018 14:14

Tgt Ion: 65 Resp: 158604

Ion Ratio Lower Upper

65 100

67 50.2 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU025312.D (-1453) (-)

Ion 66.90 (66.60 to 67.60): VU025312.D (-1453) (-)

5.31

80000

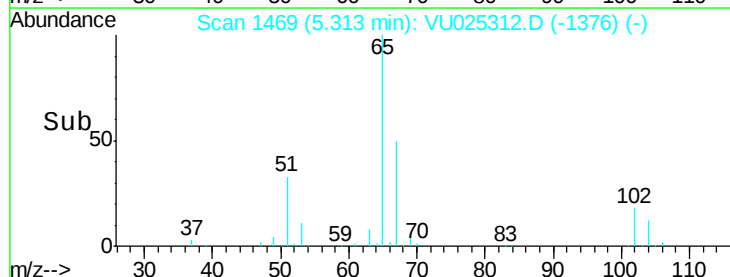
60000

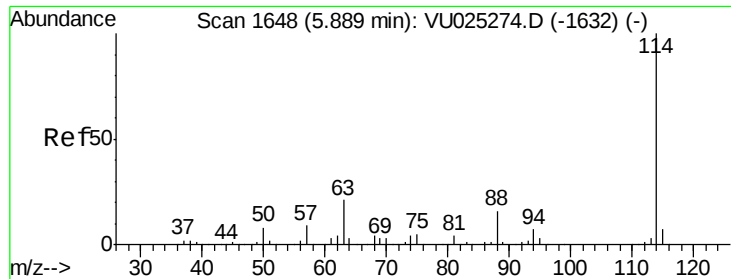
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

Instrument :

MSVOA_U

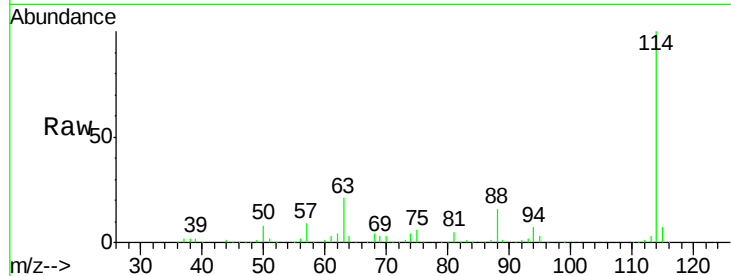
ClientSampleId :

DUP-0494-180704

Tot Ion:	114	Resp:	317615
Ion Ratio	Lower	Upper	
114	100		
63	20.9	0.0	41.6
88	16.0	0.0	32.4

Manual Integrations
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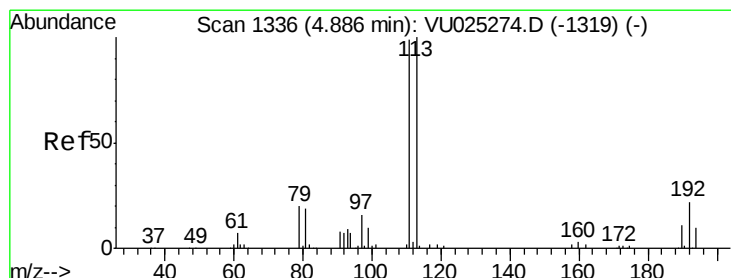
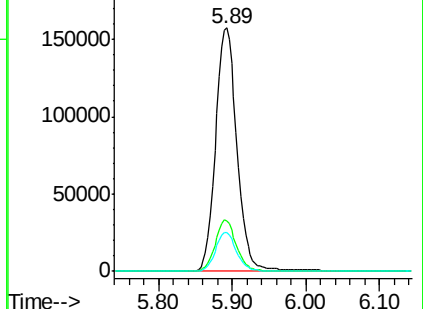
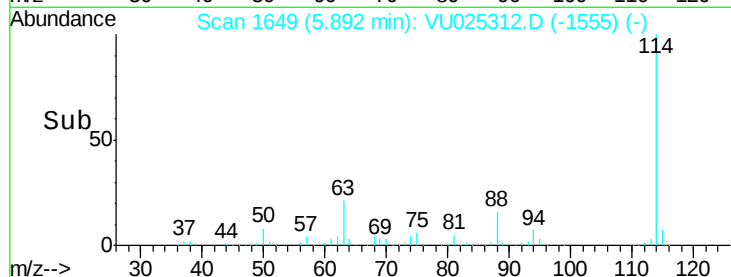
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 45.944 ug/l

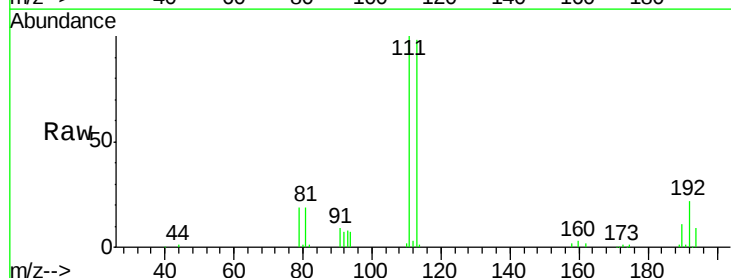
RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

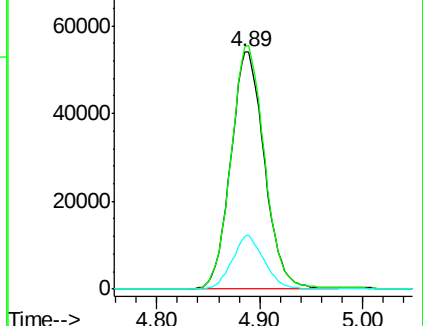
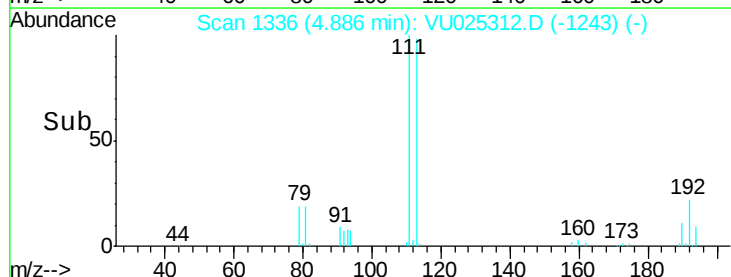
Tgt Ion:	113	Resp:	123100
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.7	122.5
192	21.5	17.1	25.7

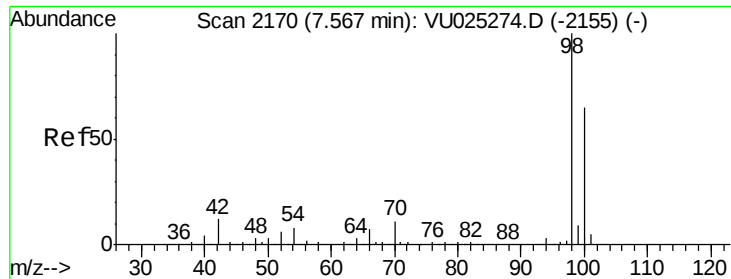


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





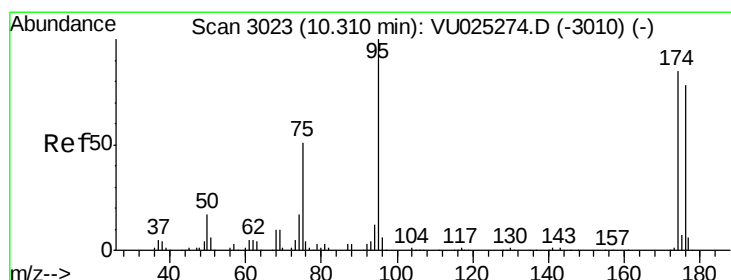
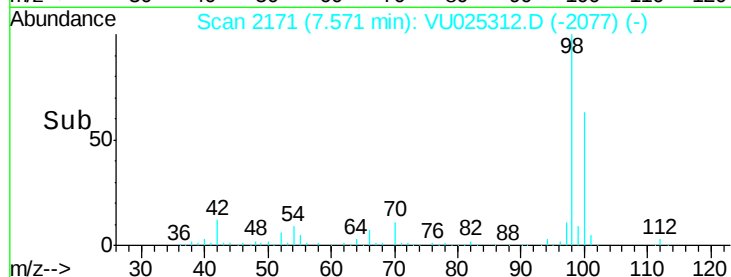
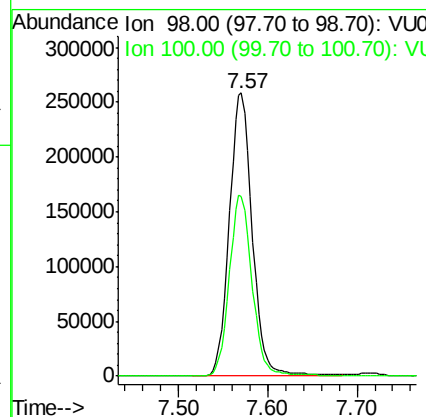
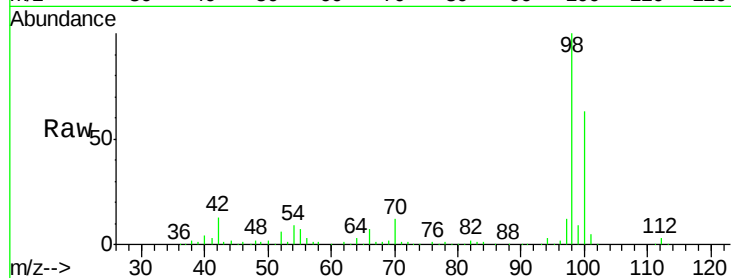
#50
Toluene-d8
Concen: 50.313 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025312.D
Acq: 11 Jul 2018 14:14

Instrument :
MSVOA_U
ClientSampleId :
DUP-0494-180704

Tot Ion: 98 Resp: 461630
Ion Ratio Lower Upper
98 100
100 63.0 51.1 76.7

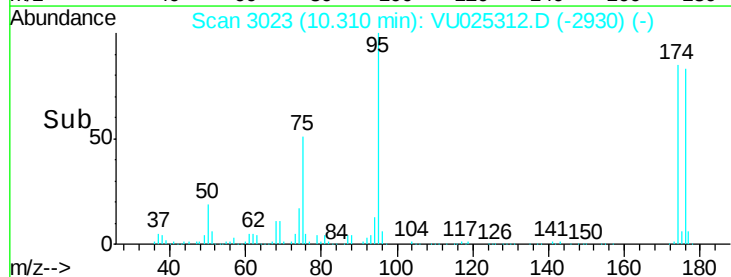
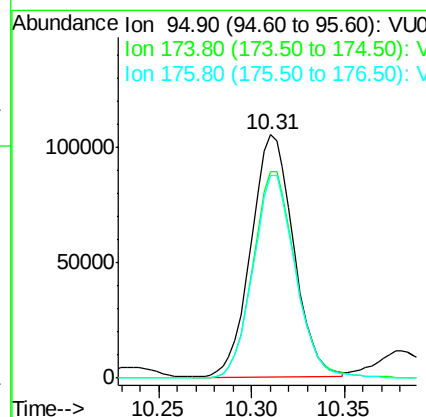
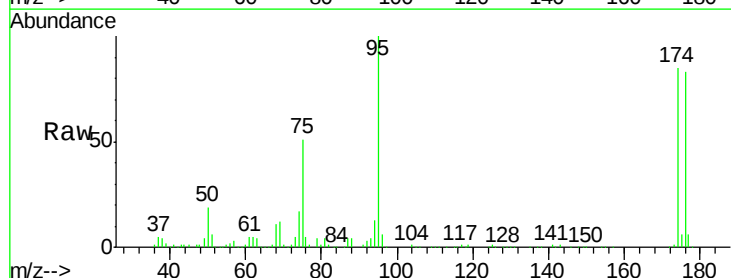
Manual Integrations
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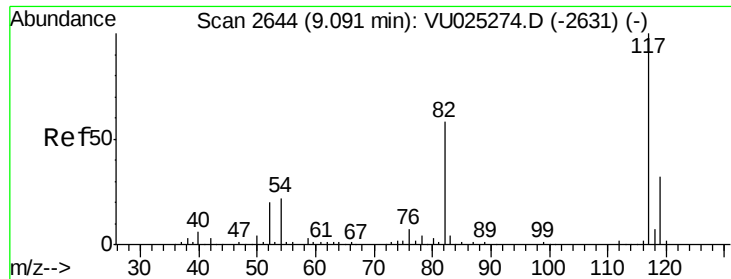
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#62
4-Bromofluorobenzene
Concen: 45.377 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025312.D
Acq: 11 Jul 2018 14:14

Tgt Ion: 95 Resp: 167620
Ion Ratio Lower Upper
95 100
174 85.9 0.0 172.2
176 83.9 0.0 162.6





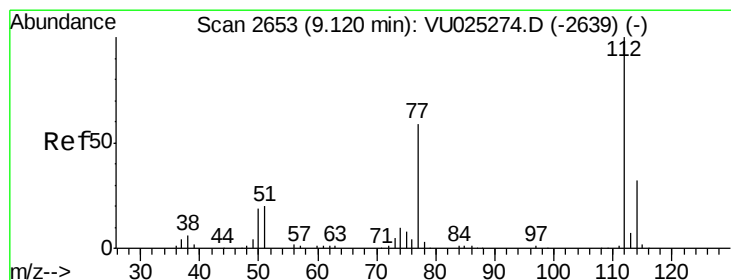
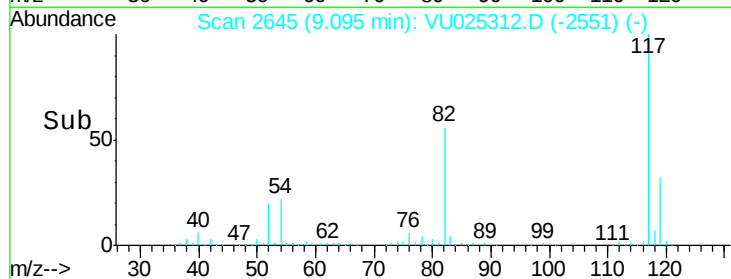
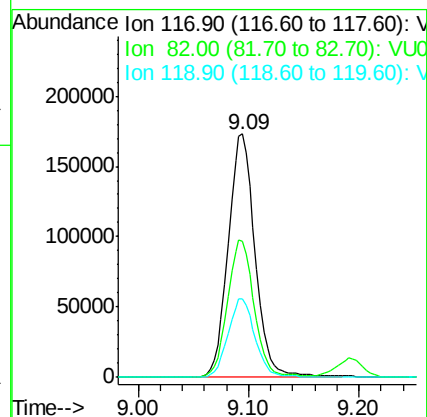
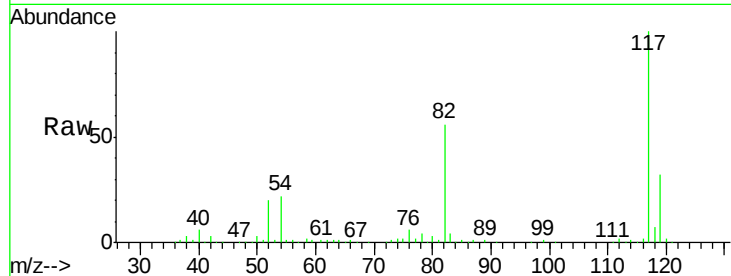
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025312.D
Acq: 11 Jul 2018 14:14

Instrument :
MSVOA_U
ClientSampleId :
DUP-0494-180704

Tot Ion	Ratio	Resp	Lower	Upper
117	100	292571		
82	55.6	46.0	69.0	
119	32.4	26.0	39.0	

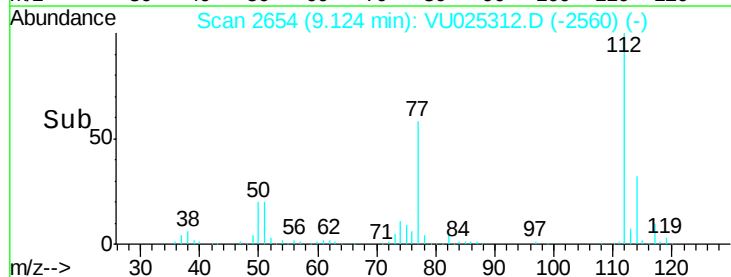
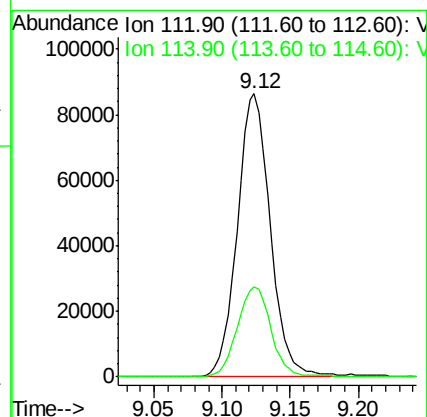
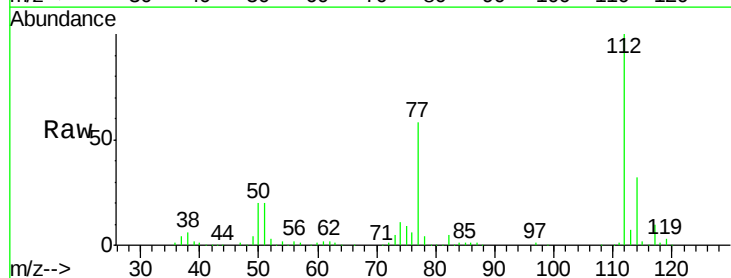
Manual Integrations
APPROVED

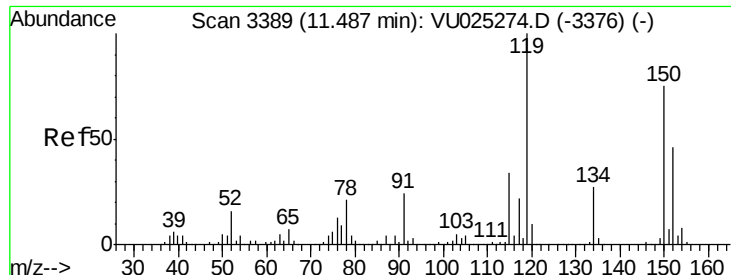
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#65
Chlorobenzene
Concen: 19.836 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025312.D
Acq: 11 Jul 2018 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	144975		
114	31.9	25.8	38.8	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

Instrument :

MSVOA_U

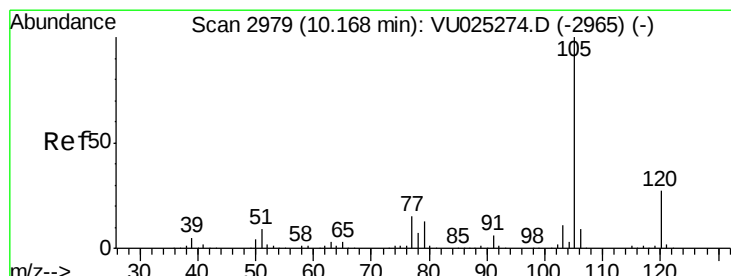
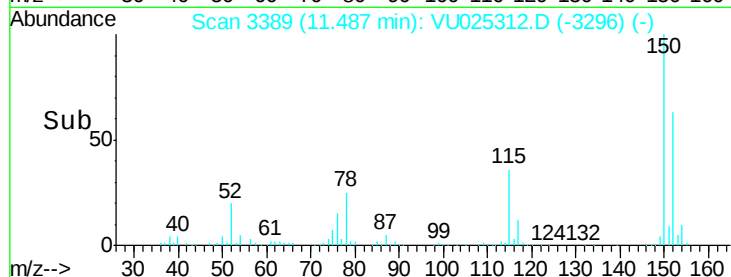
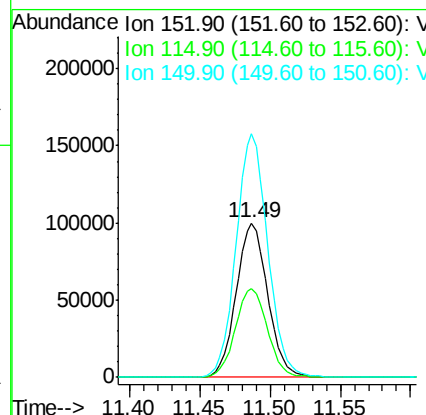
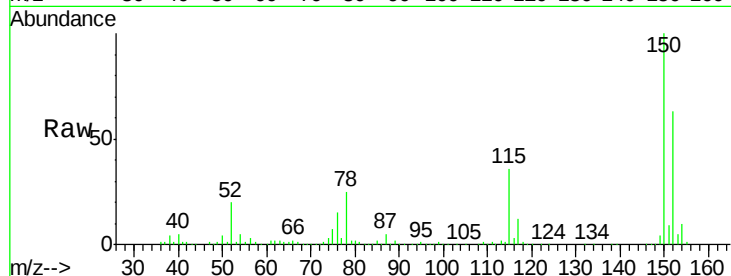
ClientSampleId :

DUP-0494-180704

Tot Ion:	152	Resp:	156494
Ion Ratio	Lower	Upper	
152	100		
115	58.8	40.1	120.3
150	158.7	0.0	351.4

Manual Integrations
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#73

Isopropylbenzene

Concen: 3.836 ug/l

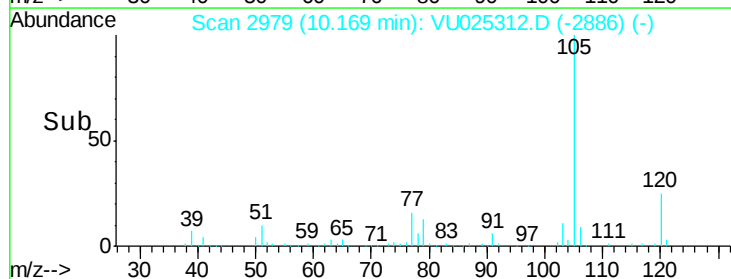
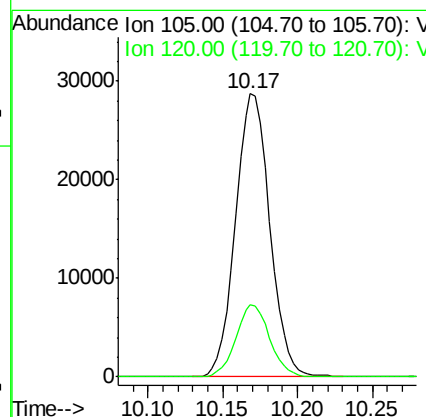
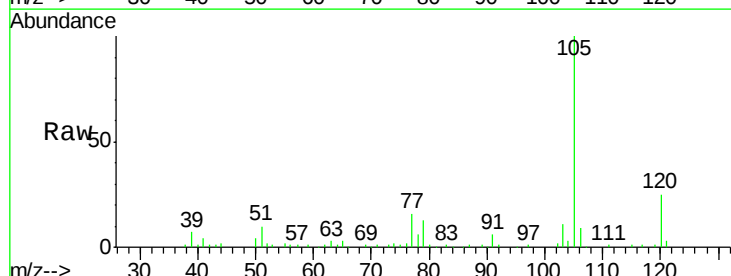
RT: 10.17 min Scan# 2979

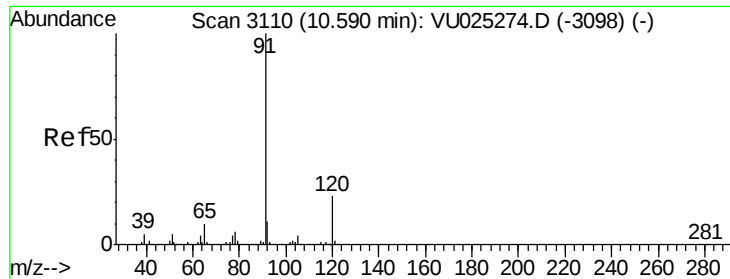
Delta R.T. 0.00 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

Tgt Ion:	105	Resp:	45872
Ion Ratio	Lower	Upper	
105	100		
120	24.9	13.5	40.5





#78

n-propylbenzene

Concen: 0.378 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

DUP-0494-180704

Tot Ion: 91 Resp: 5021

Ion Ratio Lower Upper

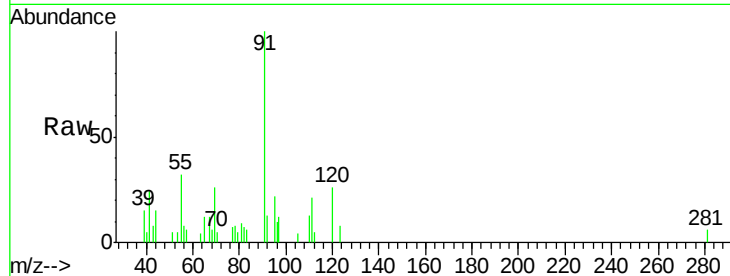
91 100

120 22.2 11.8 35.3

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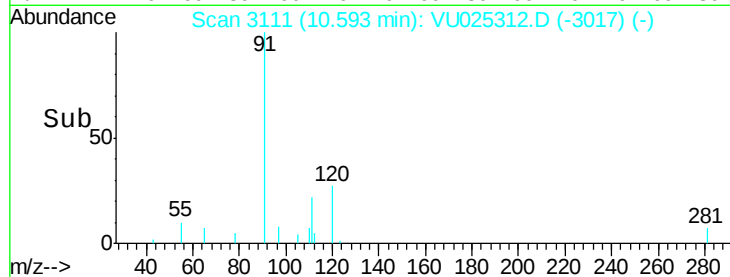
7/12/2018 11:04:18 AM



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

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

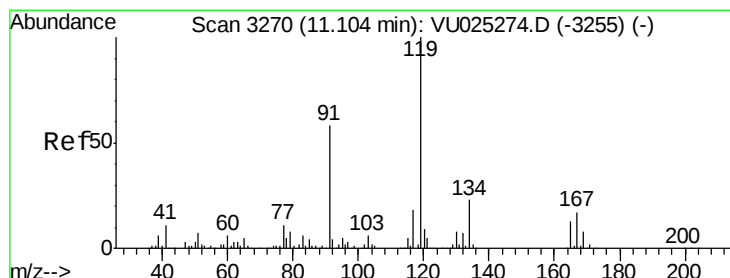
Time-->



Abundance Ion 91.00 (90.70 to 91.70): VU025312.D (-3017) (-)

Ion 120.00 (119.70 to 120.70): VU025312.D (-3017) (-)

Time-->



#83

tert-Butylbenzene

Concen: 7.368 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

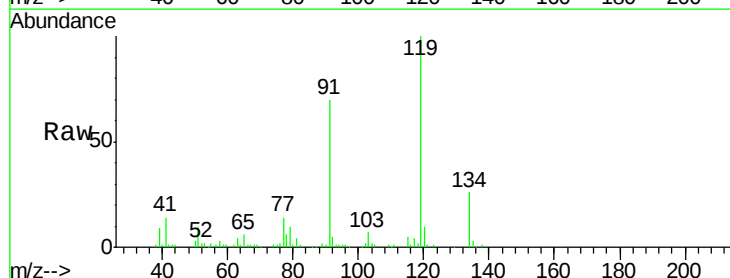
Tgt Ion: 119 Resp: 74914

Ion Ratio Lower Upper

119 100

91 67.7 29.7 89.1

134 24.6 11.5 34.5

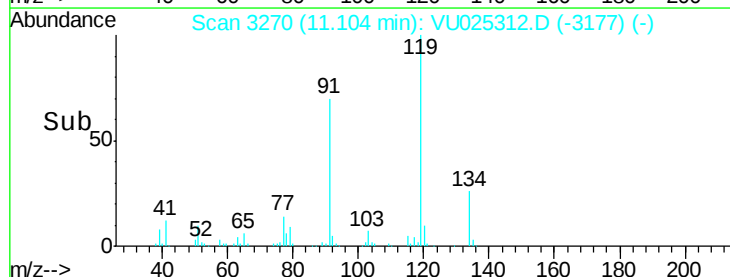


Abundance Ion 119.00 (118.70 to 119.70): VU025274.D (-3255) (-)

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

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

Time-->

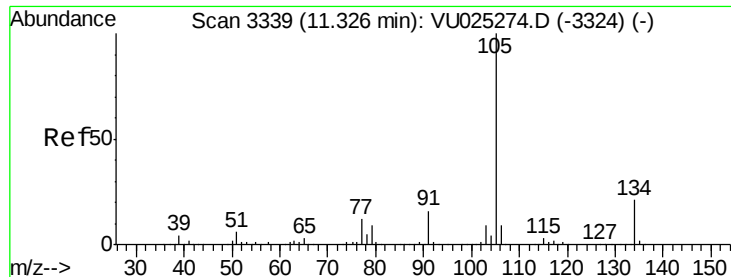


Abundance Ion 119.00 (118.70 to 119.70): VU025312.D (-3177) (-)

Ion 91.00 (90.70 to 91.70): VU025312.D (-3177) (-)

Ion 134.00 (133.70 to 134.70): VU025312.D (-3177) (-)

Time-->



#85

sec-Butylbenzene

Concen: 13.398 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

DUP-0494-180704

Tot Ion:105 Resp: 160391

Ion Ratio Lower Upper

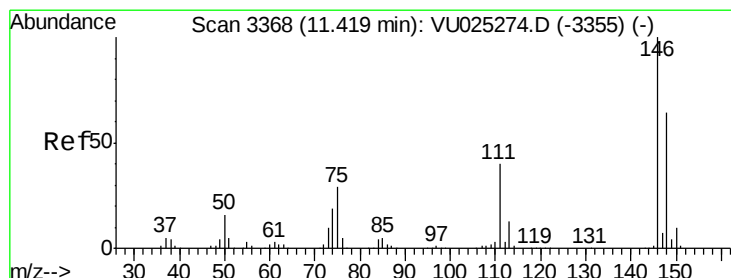
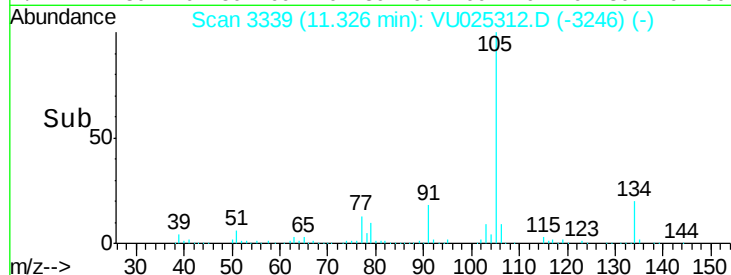
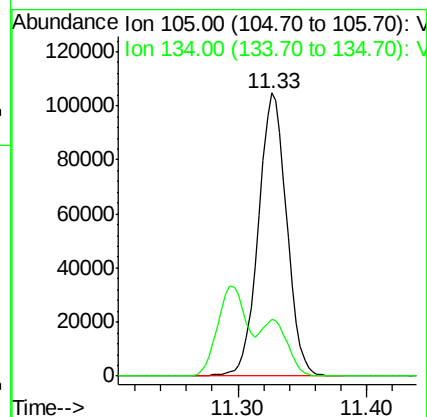
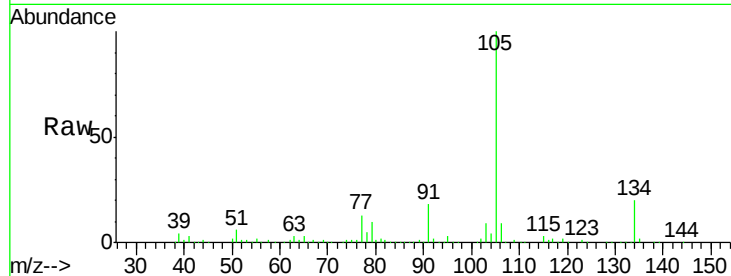
105 100

134 17.1 10.3 30.8

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#87

1,3-Dichlorobenzene

Concen: 0.688 ug/l m

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

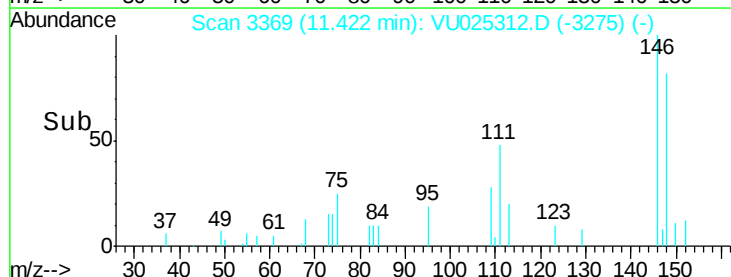
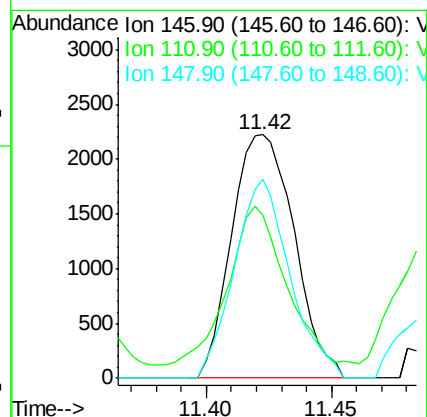
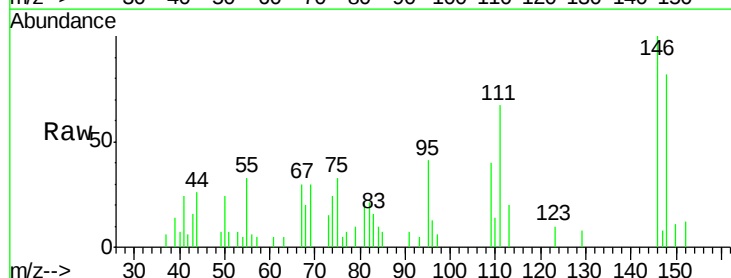
Tgt Ion:146 Resp: 3847

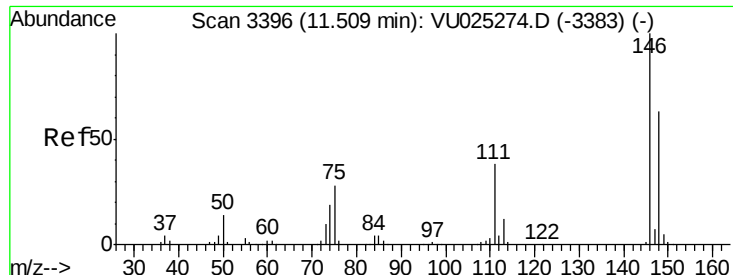
Ion Ratio Lower Upper

146 100

111 144.9 19.7 59.1#

148 169.7 32.1 96.3#





#88
 1,4-Dichlorobenzene
 Concen: 3.176 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025312.D
 Acq: 11 Jul 2018 14:14

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0494-180704

Tot Ion	Ratio	Lower	Upper
146	100		
111	58.7	19.4	58.1#
148	68.7	31.7	95.1

Manual Integrations
 APPROVED

MMDadoda
 7/12/2018 11:04:18 AM

