

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU071118\
 Data File : VU025325.D
 Acq On : 11 Jul 2018 19:31
 Operator : MD/SY
 Sample : J3922-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SS038RW151-180709

Manual Integrations
 APPROVED

MMDadoda
 7/12/2018 11:04:20 AM

Quant Time: Jul 12 08:33:00 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	203491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	308139	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	284870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	151085	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	155332	49.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.26%	
35) Dibromofluoromethane	4.89	113	122229	47.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.04%	
50) Toluene-d8	7.57	98	445341	50.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	10.31	95	163820	45.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.42%	
Target Compounds						
4) Vinyl Chloride	1.40	62	8827	3.81	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	528026	193.60	ug/l	90
40) Benzene	5.40	78	8360	0.85	ug/l	94
44) Trichloroethene	6.19	130	7578	2.67	ug/l	91
64) Tetrachloroethene	8.23	164	7978	3.07	ug/l	97
65) Chlorobenzene	9.12	112	442092	62.12	ug/l	100
73) Isopropylbenzene	10.17	105	10195	0.88	ug/l	99
78) n-propylbenzene	10.59	91	3178	0.25	ug/l	97
83) tert-Butylbenzene	11.10	119	26524	2.70	ug/l	90
85) sec-Butylbenzene	11.33	105	19369	1.68	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	4215m	2.26	ug/l	

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

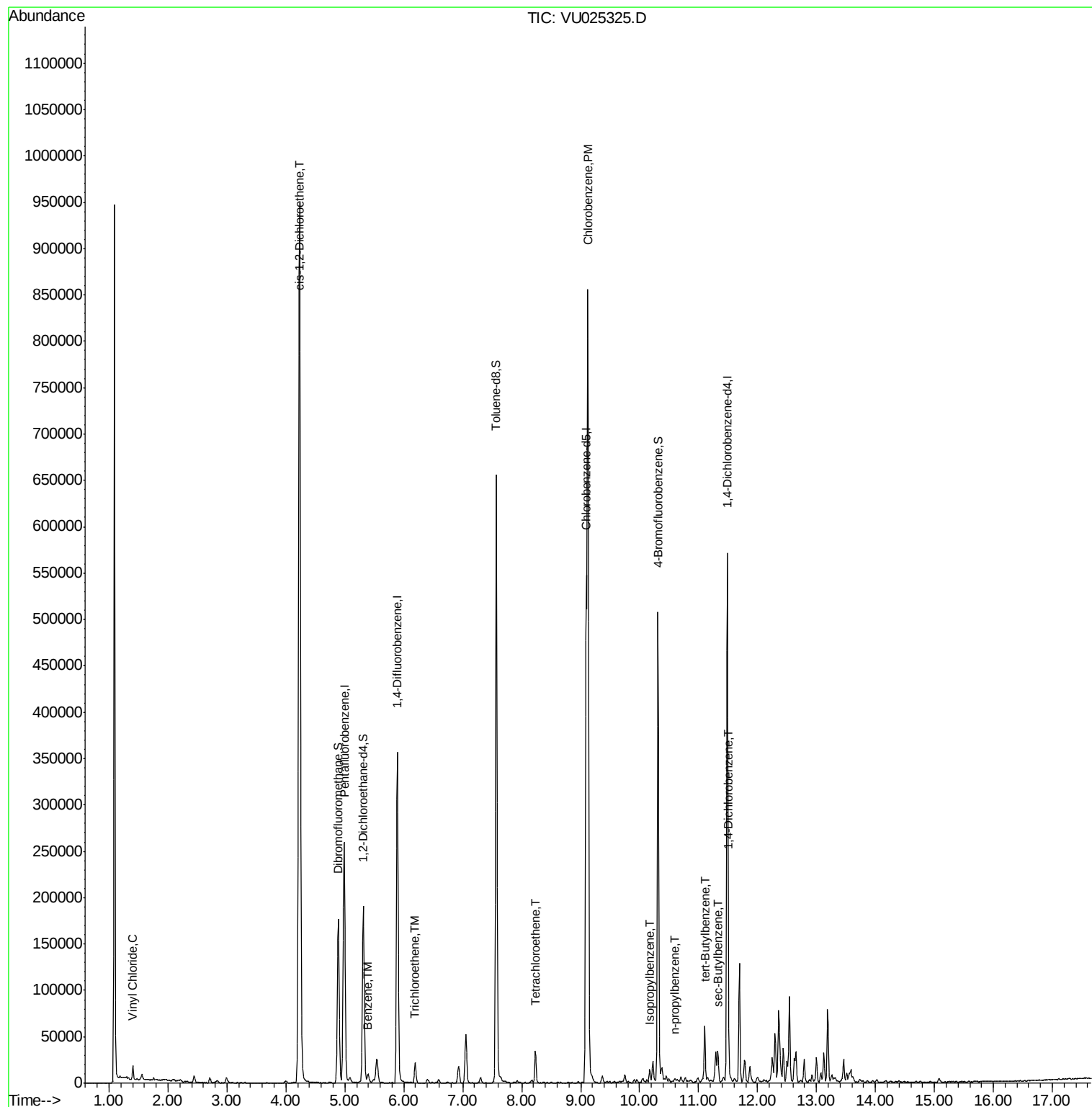
Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU071118\
Data File : VU025325.D
Acq On : 11 Jul 2018 19:31
Operator : MD/SY
Sample : J3922-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

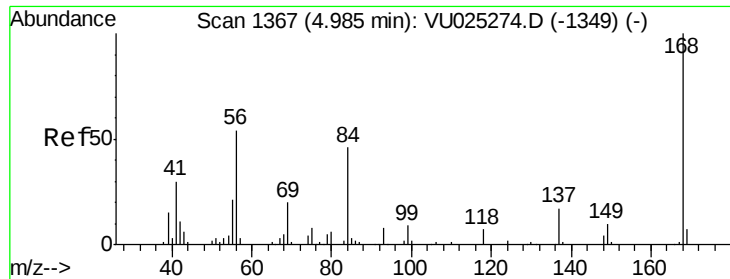
Instrument :
MSVOA_U
ClientSampleId :
SS038RW151-180709

Manual Integrations
APPROVED

MMDadoda
7/12/2018 11:04:20 AM

Quant Time: Jul 12 08:33:00 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: VU025325.D

Acq: 11 Jul 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

SS038RW151-180709

Tot Ion:168 Resp: 203491

Ion Ratio Lower Upper

168 100

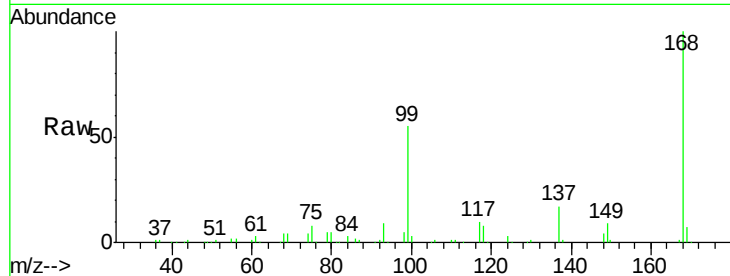
99 55.1 42.8 64.2

Manual Integrations

APPROVED

MMDadoda

7/12/2018 11:04:20 AM



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

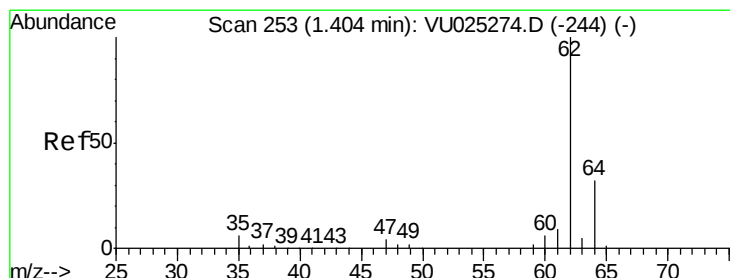
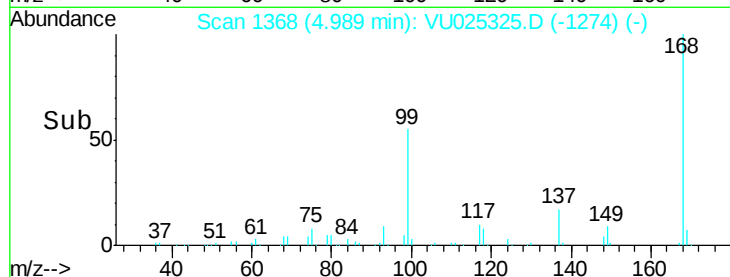
40000

20000

0

Time-->

4.90 5.00 5.10



#4

Vinyl Chloride

Concen: 3.81 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025325.D

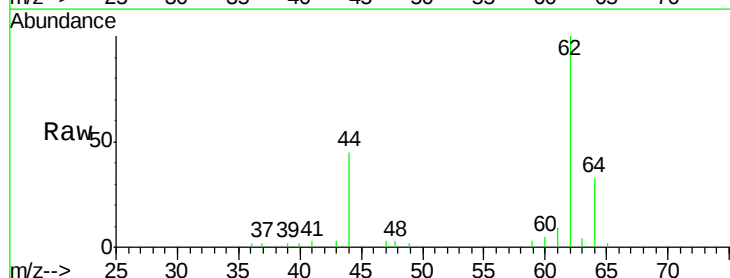
Acq: 11 Jul 2018 19:31

Tgt Ion: 62 Resp: 8827

Ion Ratio Lower Upper

62 100

64 30.2 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

10000

8000

6000

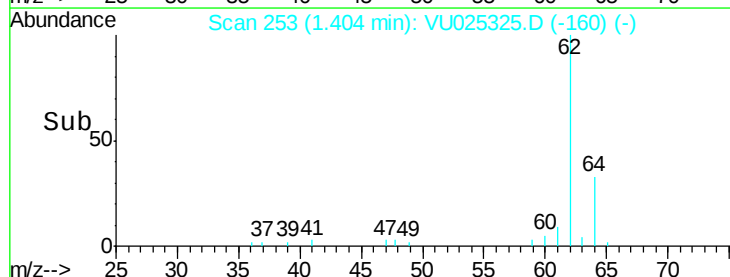
4000

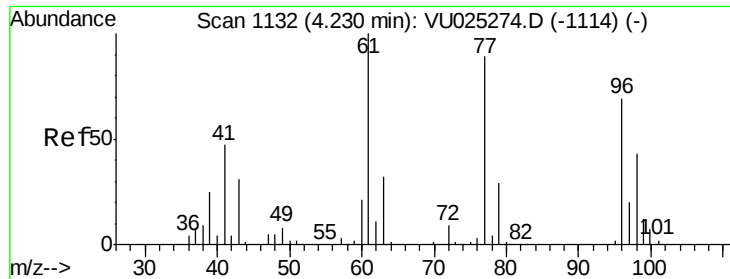
2000

0

Time-->

1.40 1.45





#27

cis-1,2-Dichloroethene

Concen: 193.60 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025325.D

Acq: 11 Jul 2018 19:31

Instrument :

MSVOA_U

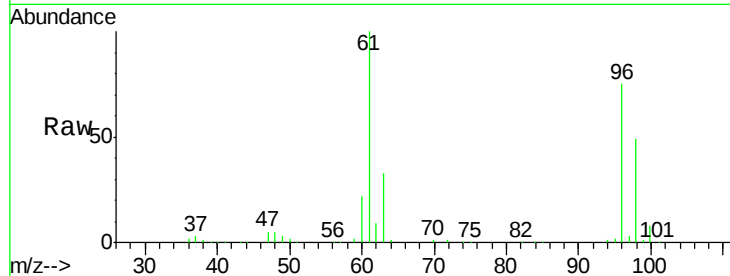
ClientSampleId :

SS038RW151-180709

Tot Ion	Ratio	Resp	Lower	Upper
96	100	528026		
61	132.3	0.0	299.8	
98	64.8	0.0	128.6	

Manual Integrations
APPROVED

MMDadoda
7/12/2018 11:04:20 AM

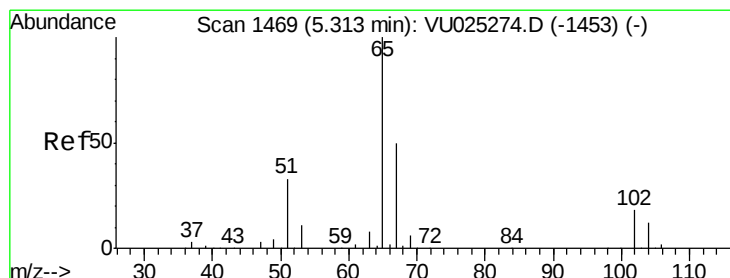
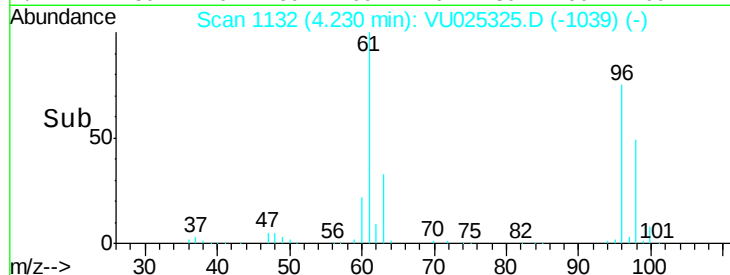
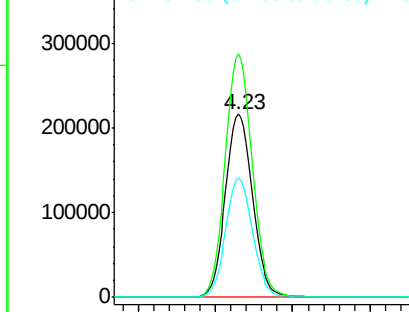


Abundance

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: 49.13 ug/l

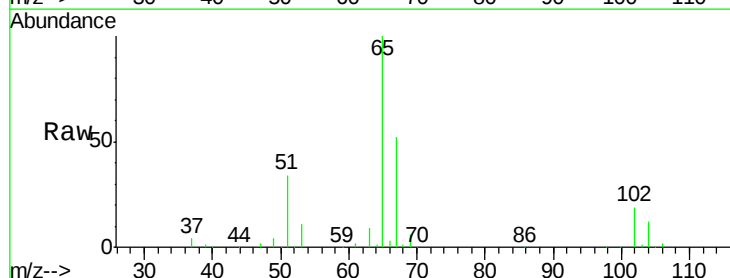
RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025325.D

Acq: 11 Jul 2018 19:31

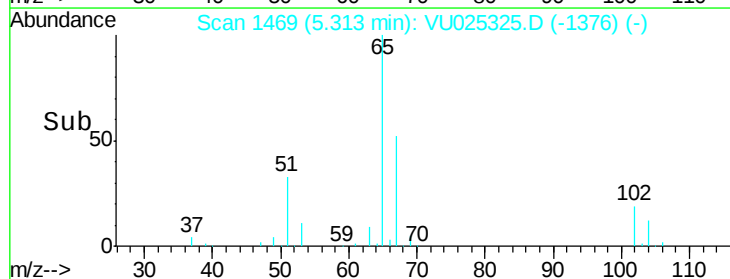
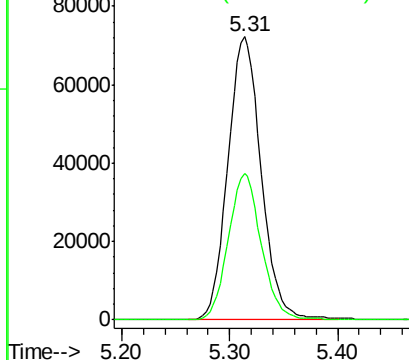
Tgt Ion	Ratio	Resp	Lower	Upper
65	100	155332		
67	51.2	0.0	103.6	

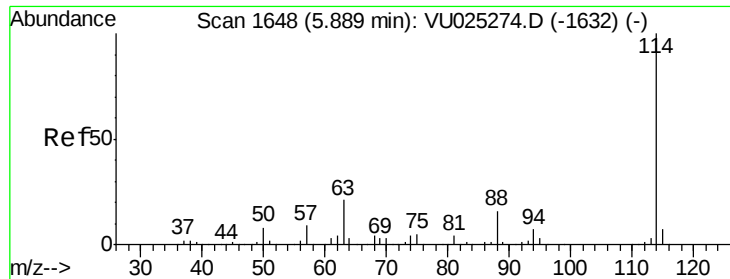


Abundance

Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0





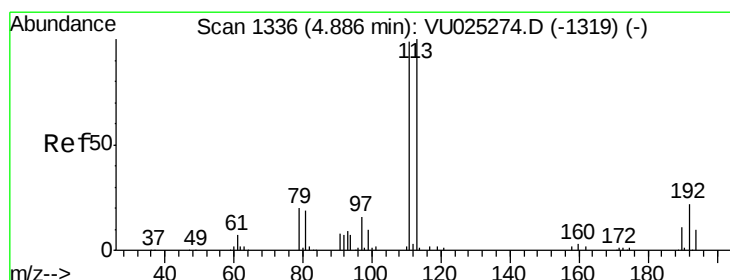
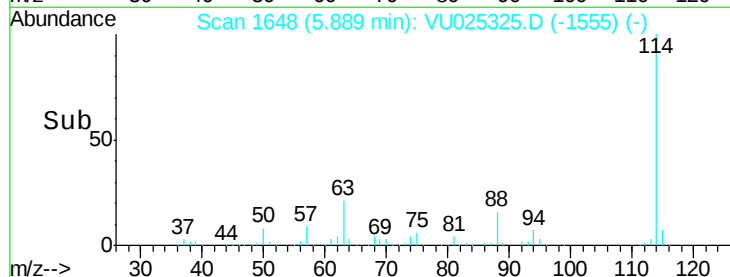
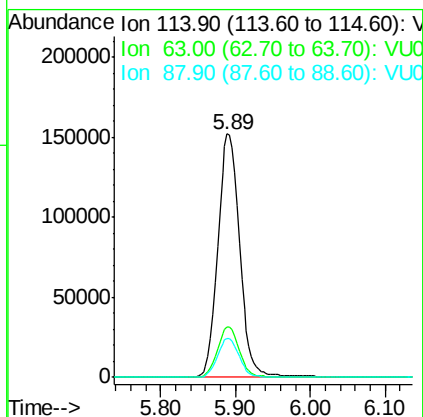
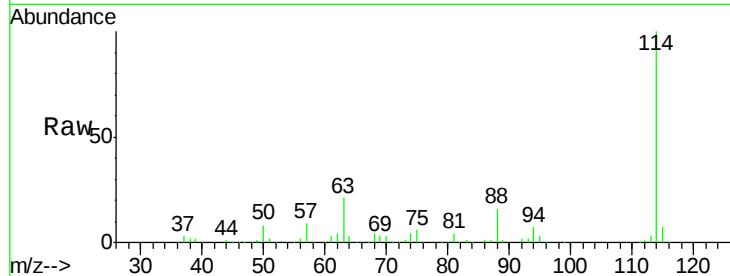
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025325.D
 Acq: 11 Jul 2018 19:31

Instrument :
 MSVOA_U
 ClientSampleId :
 SS038RW151-180709

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	20.7	0.0	41.6
88	16.2	0.0	32.4

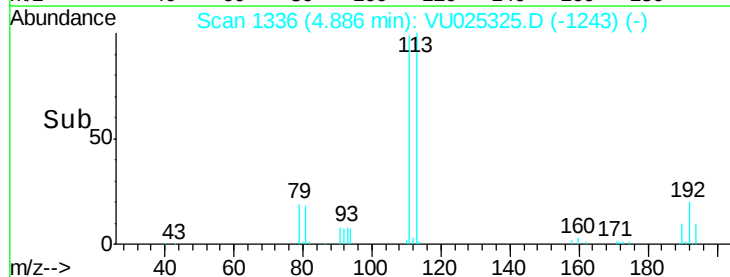
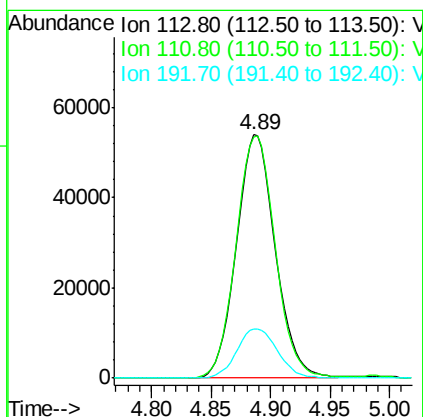
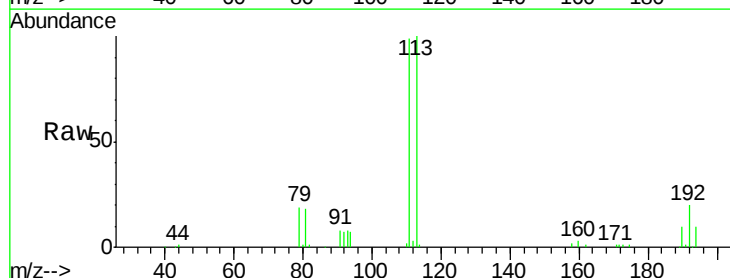
Manual Integrations
 APPROVED

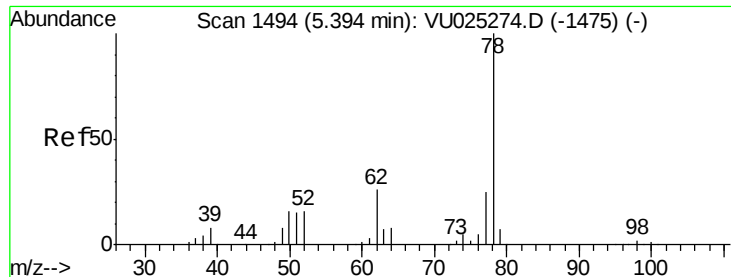
MMDadoda
 7/12/2018 11:04:20 AM



#35
 Dibromofluoromethane
 Concen: 47.02 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025325.D
 Acq: 11 Jul 2018 19:31

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	100.5	81.7	122.5
192	21.1	17.1	25.7





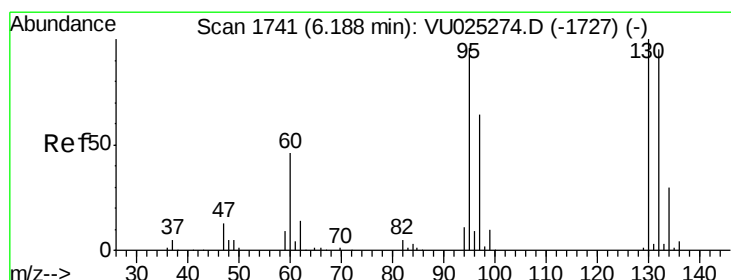
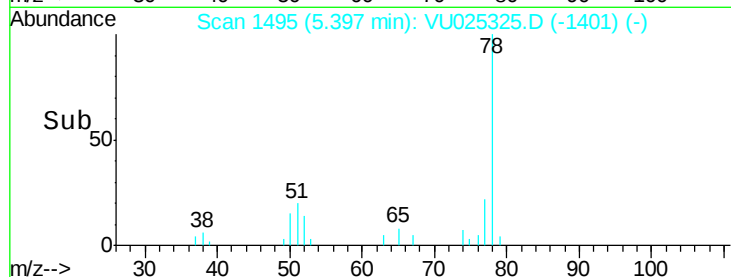
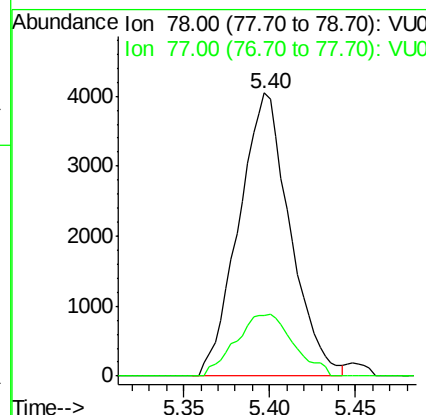
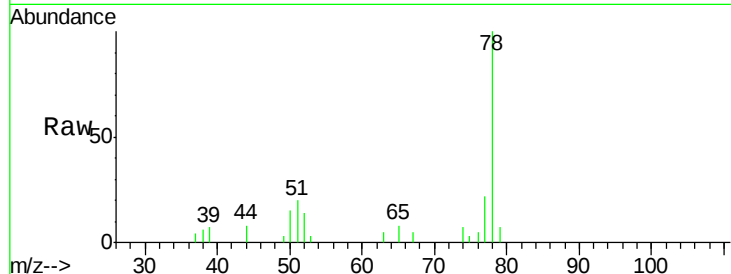
#40
Benzene
Concen: 0.85 ug/l
RT: 5.40 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VU025325.D
Acq: 11 Jul 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
SS038RW151-180709

Tot Ion: 78 Resp: 8360
Ion Ratio Lower Upper
78 100
77 21.5 19.8 29.6

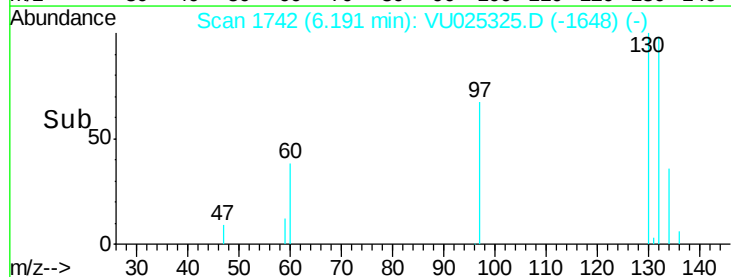
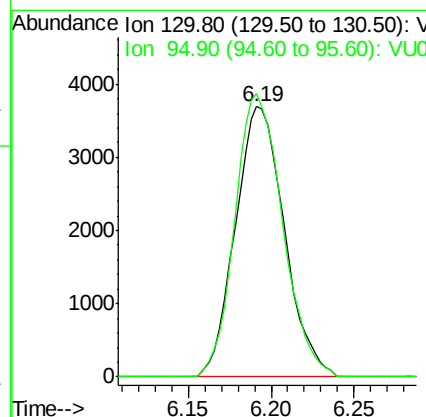
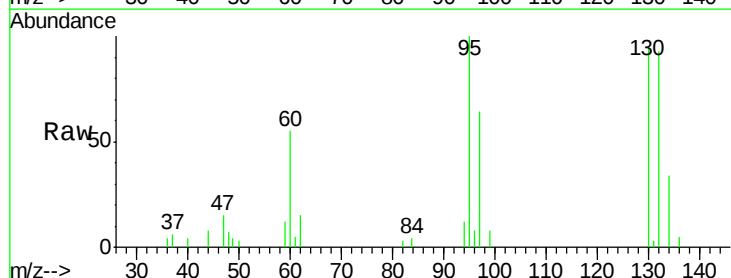
Manual Integrations
APPROVED

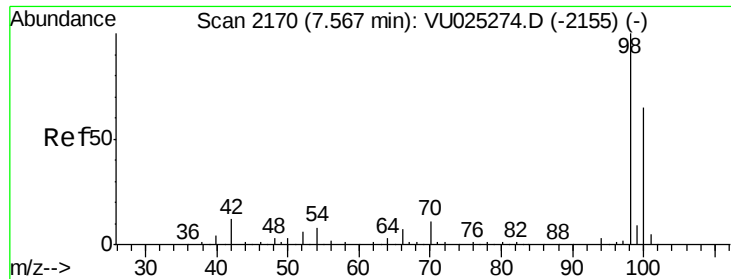
MMDadoda
7/12/2018 11:04:20 AM



#44
Trichloroethene
Concen: 2.67 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU025325.D
Acq: 11 Jul 2018 19:31

Tgt Ion:130 Resp: 7578
Ion Ratio Lower Upper
130 100
95 104.7 0.0 192.2





#50

Toluene-d8

Concen: 50.03 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU025325.D

Acq: 11 Jul 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

SS038RW151-180709

Tot Ion: 98 Resp: 445341

Ion Ratio Lower Upper

98 100

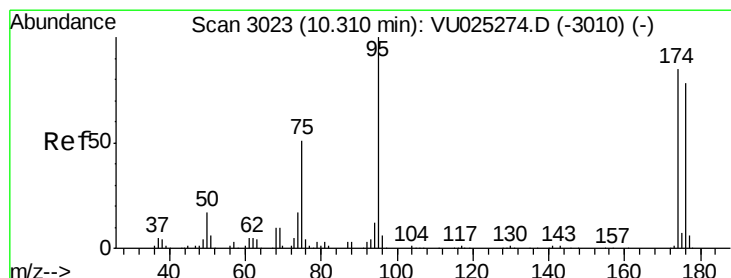
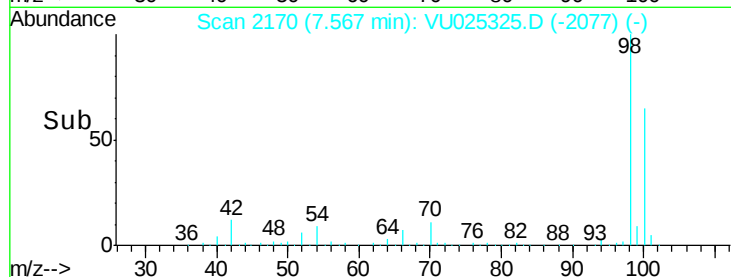
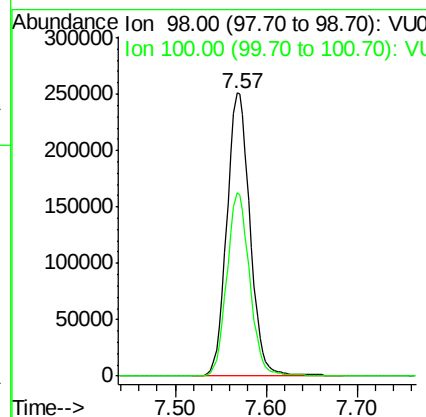
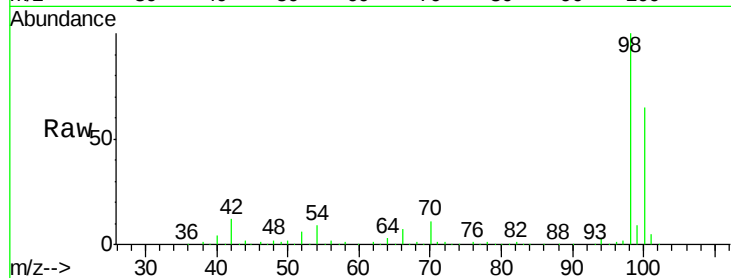
100 63.8 51.1 76.7

Manual Integrations

APPROVED

MMDadoda

7/12/2018 11:04:20 AM



#62

4-Bromofluorobenzene

Concen: 45.71 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025325.D

Acq: 11 Jul 2018 19:31

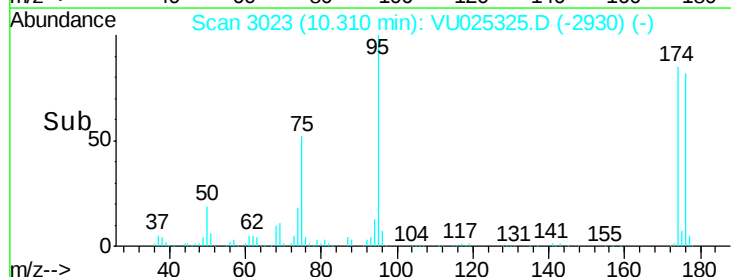
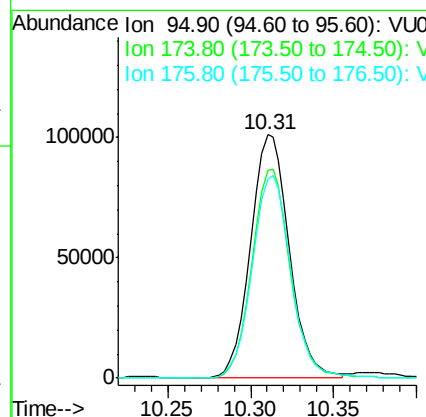
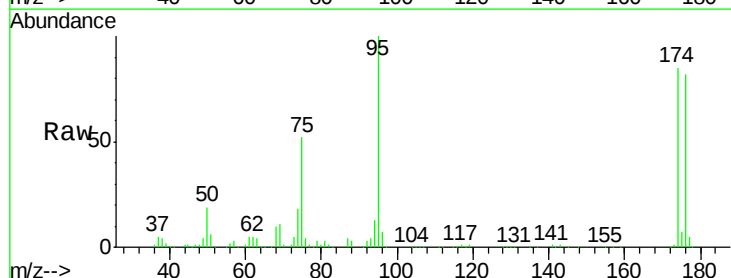
Tgt Ion: 95 Resp: 163820

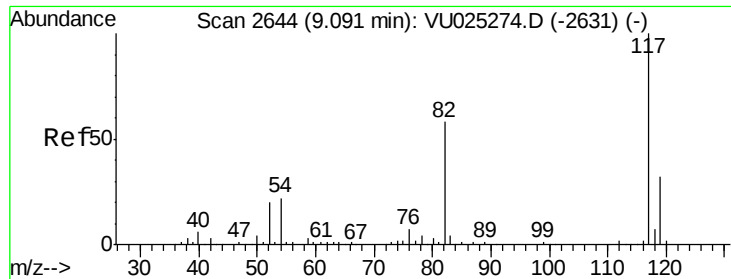
Ion Ratio Lower Upper

95 100

174 85.7 0.0 172.2

176 84.3 0.0 162.6





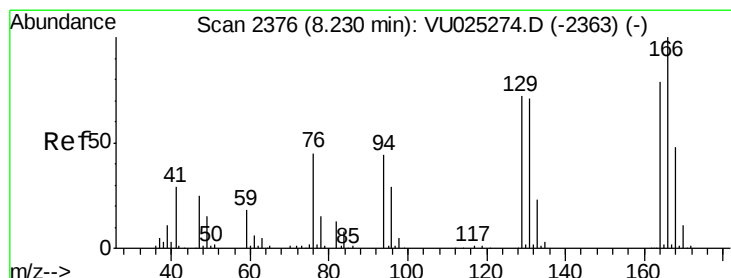
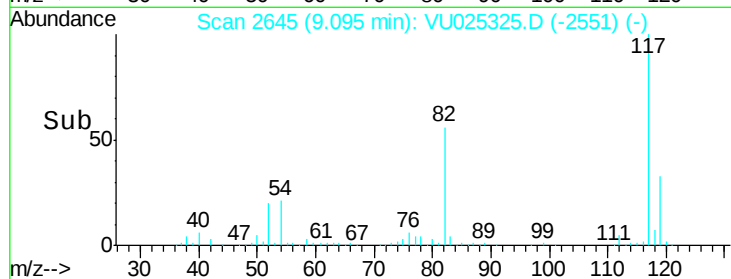
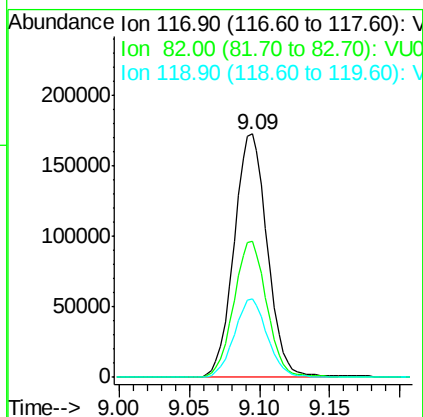
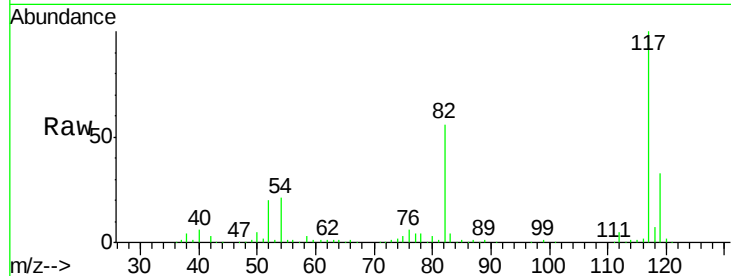
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025325.D
Acq: 11 Jul 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
SS038RW151-180709

Tot Ion	Ratio	Resp	Lower	Upper
117	100	284870		
82	55.8	46.0	69.0	
119	32.5	26.0	39.0	

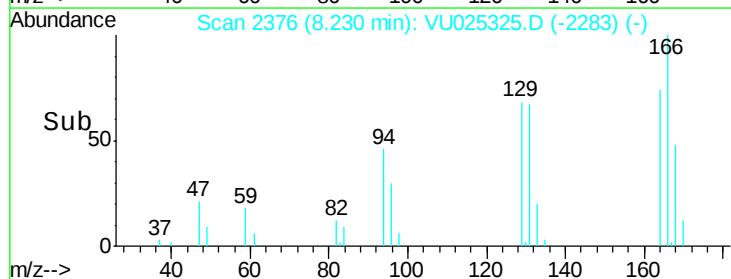
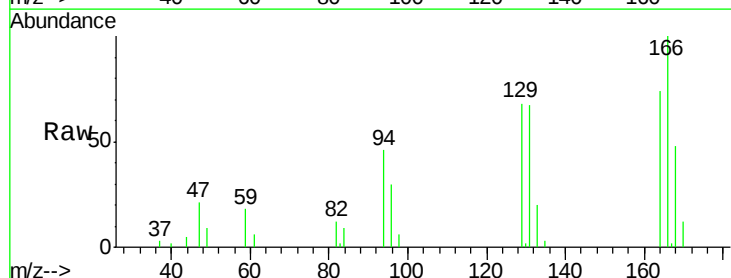
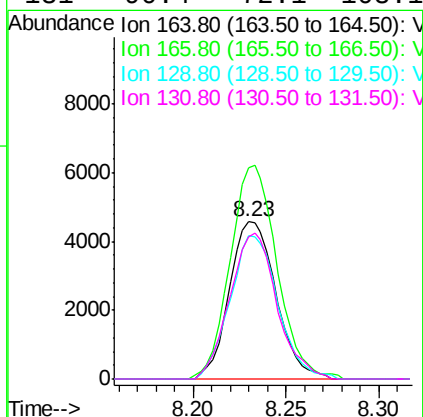
Manual Integrations
APPROVED

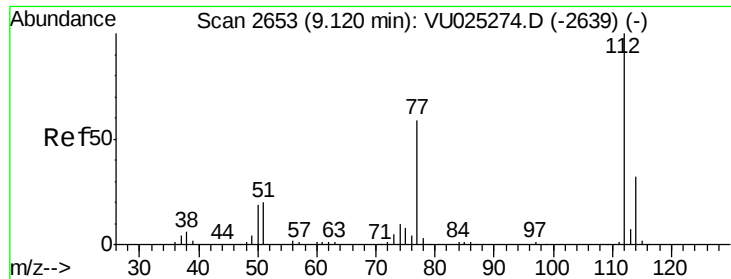
MMDadoda
7/12/2018 11:04:20 AM



#64
Tetrachloroethene
Concen: 3.07 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025325.D
Acq: 11 Jul 2018 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	7978		
166	134.8	101.1	151.7	
129	91.2	73.0	109.6	
131	90.4	72.1	108.1	





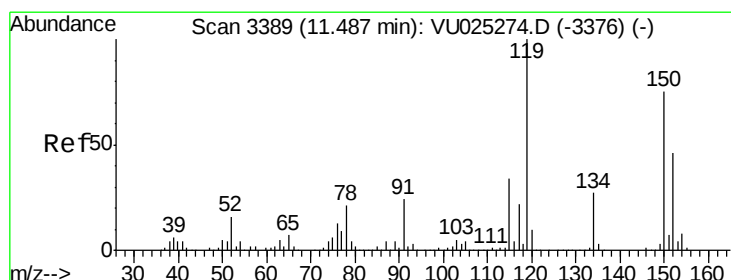
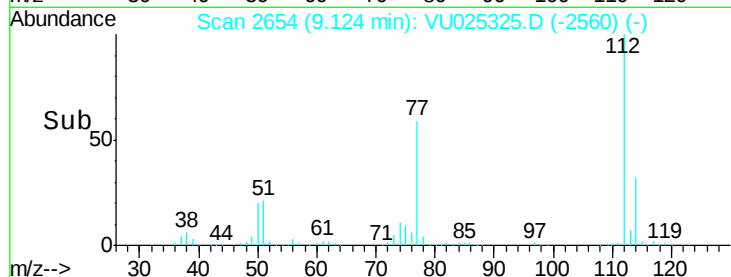
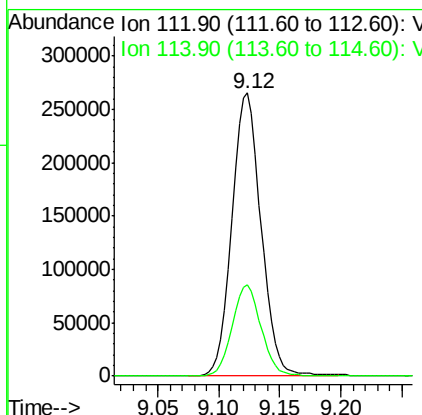
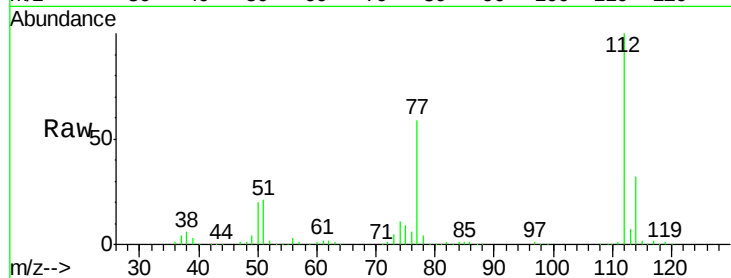
#65
Chlorobenzene
Concen: 62.12 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025325.D
Acq: 11 Jul 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
SS038RW151-180709

Tot Ion:112 Resp: 442092
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.8

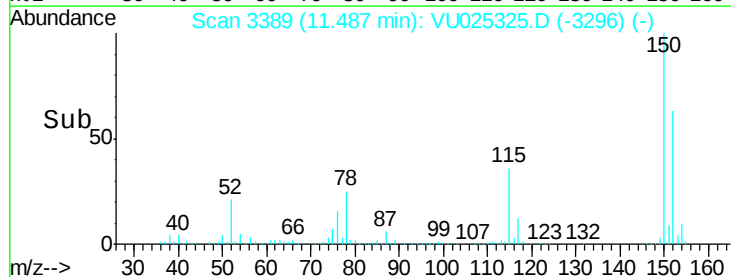
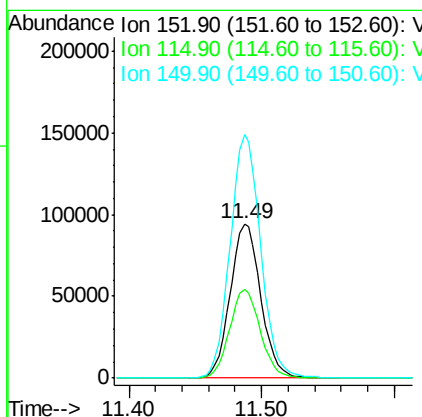
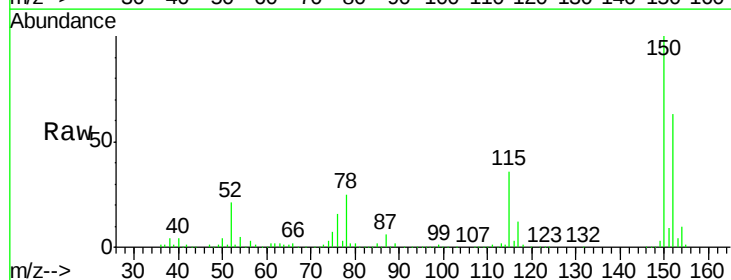
Manual Integrations
APPROVED

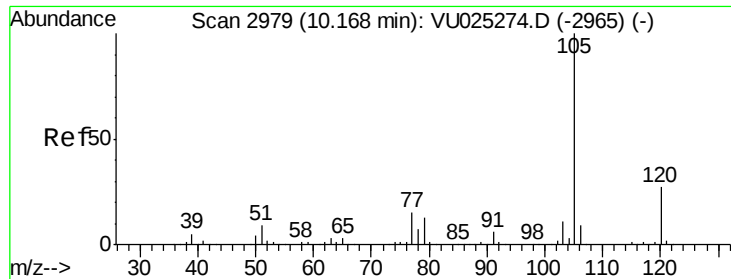
MMDadoda
7/12/2018 11:04:20 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025325.D
Acq: 11 Jul 2018 19:31

Tgt Ion:152 Resp: 151085
Ion Ratio Lower Upper
152 100
115 57.7 40.1 120.3
150 158.0 0.0 351.4





#73

Isopropylbenzene

Concen: 0.88 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025325.D

Acq: 11 Jul 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

SS038RW151-180709

Tot Ion: 105 Resp: 10195

Ion Ratio Lower Upper

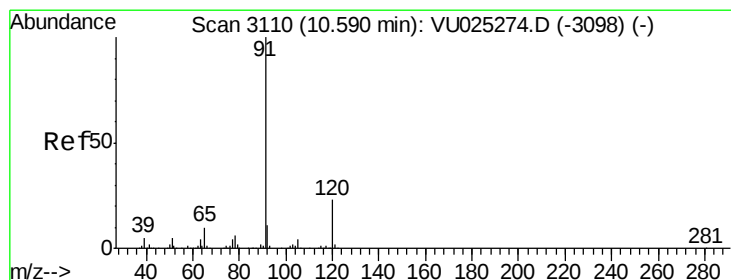
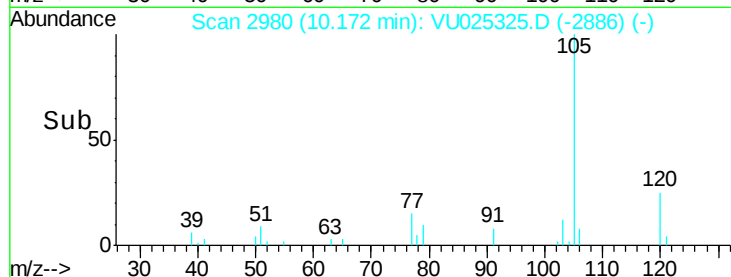
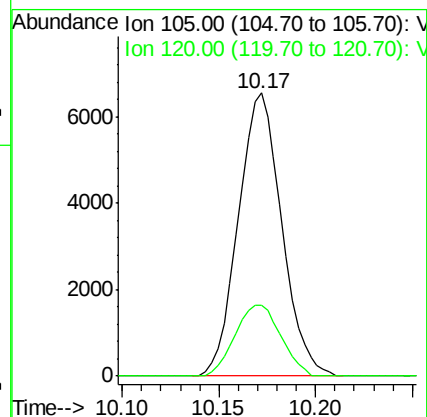
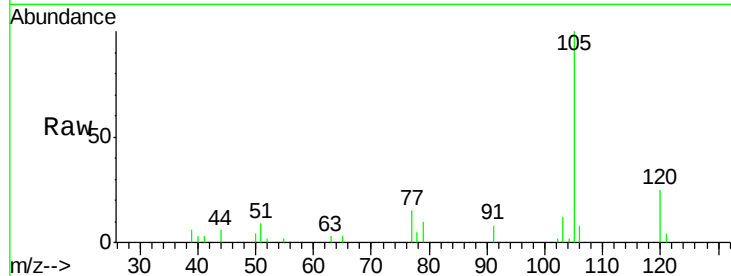
105 100

120 26.6 13.5 40.5

Manual Integrations
APPROVED

MMDadoda

7/12/2018 11:04:20 AM



#78

n-propylbenzene

Concen: 0.25 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025325.D

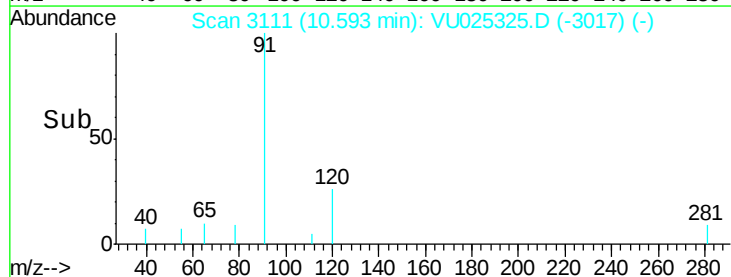
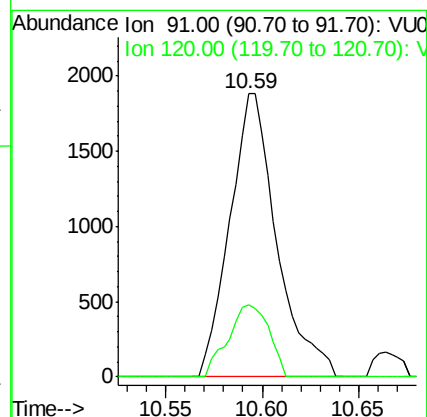
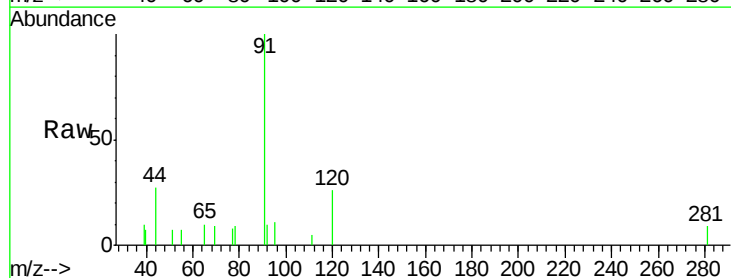
Acq: 11 Jul 2018 19:31

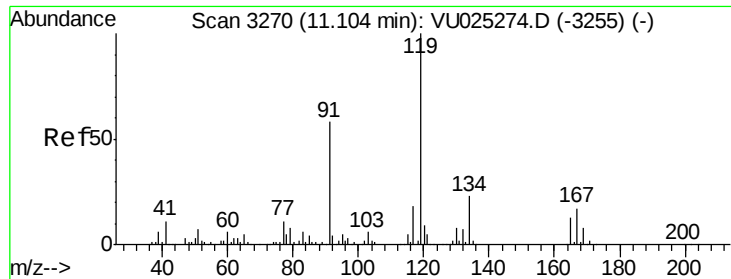
Tgt Ion: 91 Resp: 3178

Ion Ratio Lower Upper

91 100

120 22.1 11.8 35.3





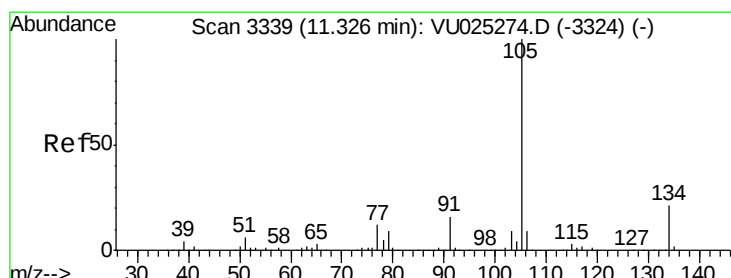
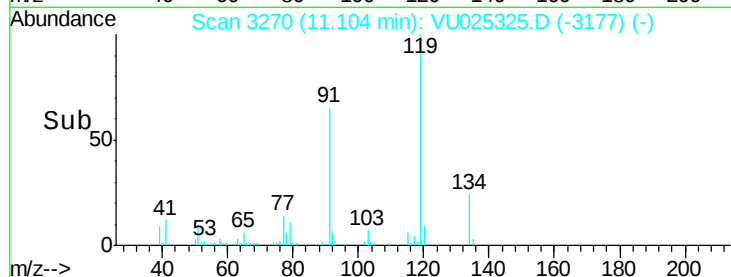
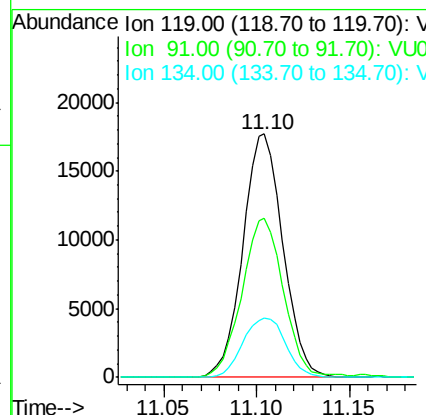
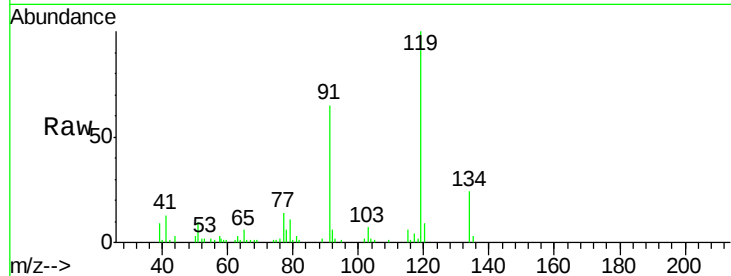
#83
tert-Butylbenzene
Concen: 2.70 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025325.D
Acq: 11 Jul 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
SS038RW151-180709

Tot Ion	Ratio	Resp	Lower	Upper
119	100	26524		
91	67.8		29.7	89.1
134	26.0		11.5	34.5

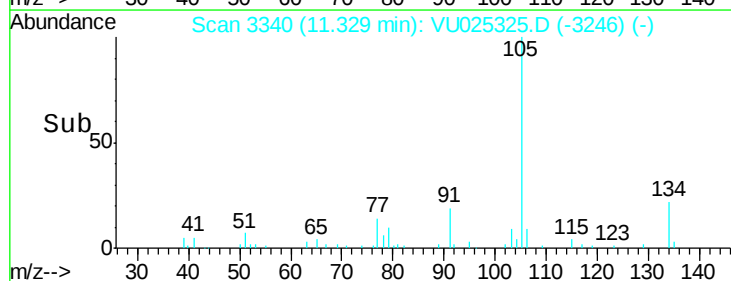
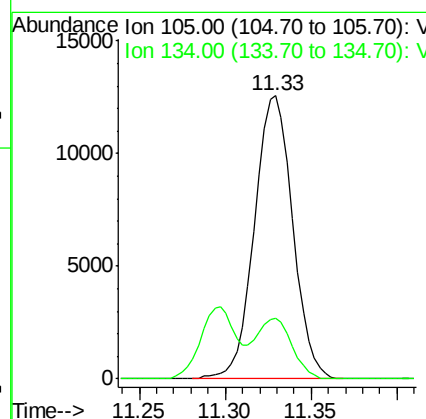
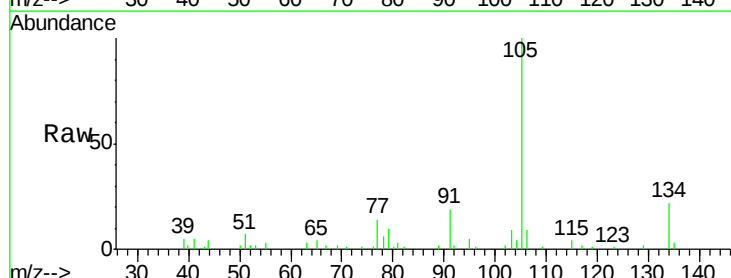
Manual Integrations
APPROVED

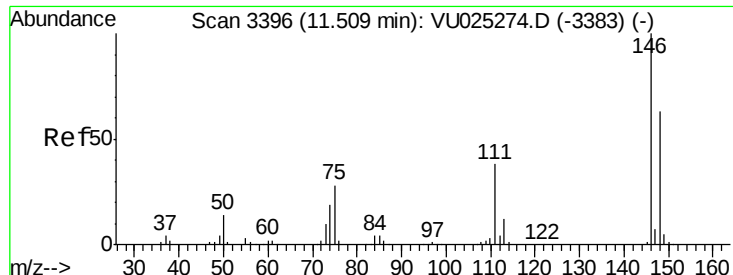
MMDadoda
7/12/2018 11:04:20 AM



#85
sec-Butylbenzene
Concen: 1.68 ug/l
RT: 11.33 min Scan# 3340
Delta R.T. 0.00 min
Lab File: VU025325.D
Acq: 11 Jul 2018 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	19369		
134	19.4		10.3	30.8





#88

1,4-Dichlorobenzene

Concen: 2.26 ug/l m

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025325.D

Acq: 11 Jul 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

SS038RW151-180709

Tot Ion:	146	Resp:	4215
Ion Ratio	Lower	Upper	
146	100		
111	17.5	19.4	58.1#
148	26.6	31.7	95.1#

Manual Integrations
APPROVED

MMDadoda
7/12/2018 11:04:20 AM

