

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090419\
 Data File : VU034221.D
 Acq On : 03 Sep 2019 12:42
 Operator : JC/SP
 Sample : K4639-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-01

Manual Integrations
 APPROVED

MMDadoda
 9/4/2019 4:57:43 PM

Quant Time: Sep 04 05:26:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	417541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	660074	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	638796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	320479	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	262762	49.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.22%	
35) Dibromofluoromethane	4.86	113	222296	48.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.12%	
50) Toluene-d8	7.55	98	850689	49.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	10.29	95	291432	43.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.40%	
Target Compounds						
2) Dichlorodifluoromethane	1.20	85	6368	1.516	ug/l	97
16) Acetone	2.32	43	9913	3.631	ug/l	93
51) 4-Methyl-2-Pentanone	7.45	43	4904	0.668	ug/l	94
93) 1,2,4-Trichlorobenzene	13.50	180	3182m	1.559	ug/l	
95) Naphthalene	13.74	128	15003	2.513	ug/l #	83
96) 1,2,3-Trichlorobenzene	13.98	180	4612m	0.733	ug/l	

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

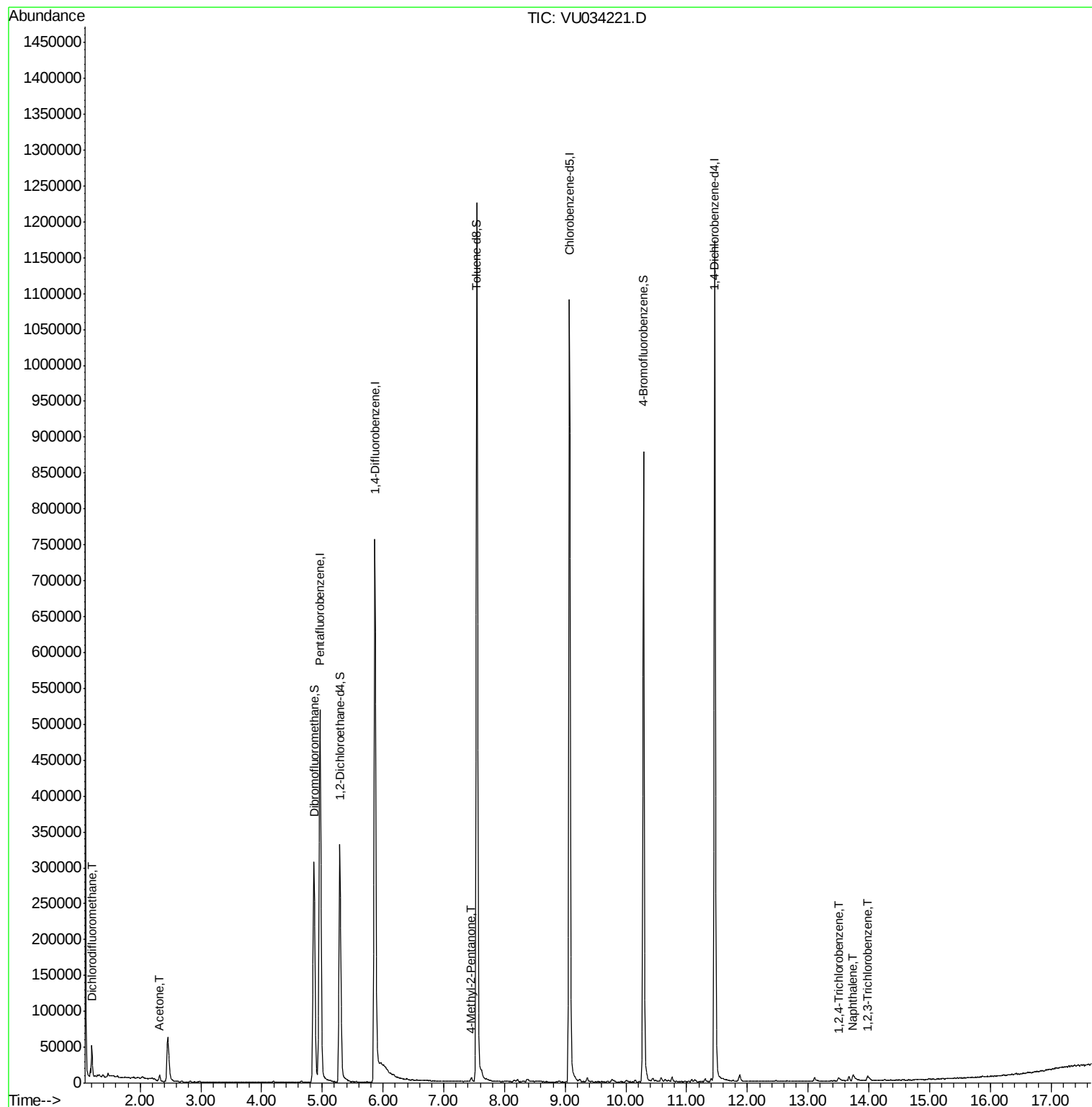
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU090419\
Data File : VU034221.D
Acq On : 03 Sep 2019 12:42
Operator : JC/SP
Sample : K4639-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

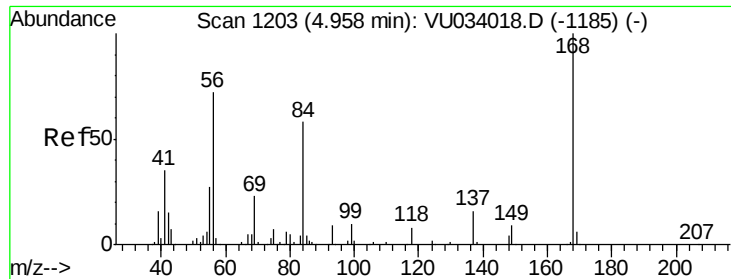
Instrument :
MSVOA_U
ClientSampleId :
GW-01

Manual Integrations
APPROVED

MMDadoda
9/4/2019 4:57:43 PM

Quant Time: Sep 04 05:26:38 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VU034221.D

Acq: 03 Sep 2019 12:42

Instrument :

MSVOA_U

ClientSampled :

GW-01

Tot Ion:168 Resp: 417541

Ion Ratio Lower Upper

168 100

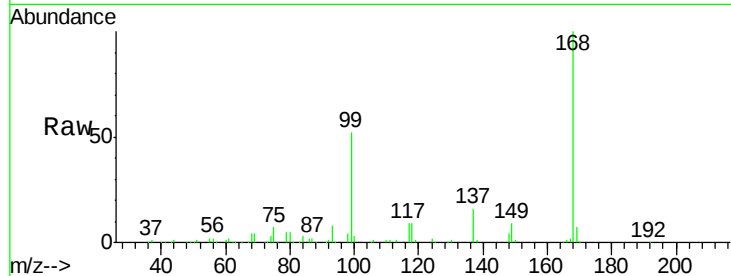
99 52.2 42.3 63.5

Manual Integrations

APPROVED

MMDadoda

9/4/2019 4:57:43 PM



Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034018.D (-1185) (-)

4.96

200000

150000

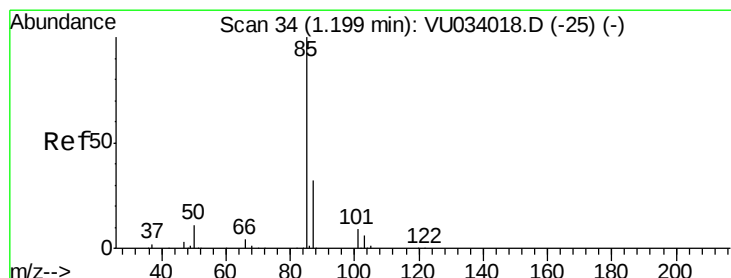
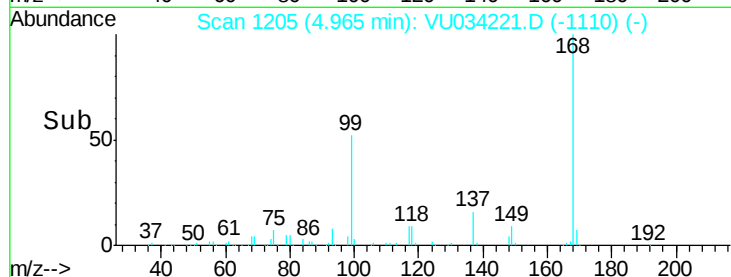
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 1.516 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034221.D

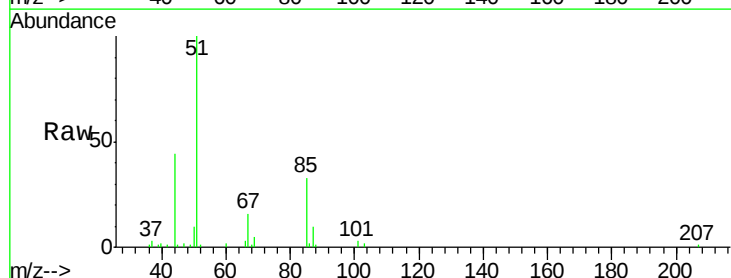
Acq: 03 Sep 2019 12:42

Tgt Ion: 85 Resp: 6368

Ion Ratio Lower Upper

85 100

87 30.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034018.D (-25) (-)

Ion 86.90 (86.60 to 87.60): VU034018.D (-25) (-)

1.20

6000

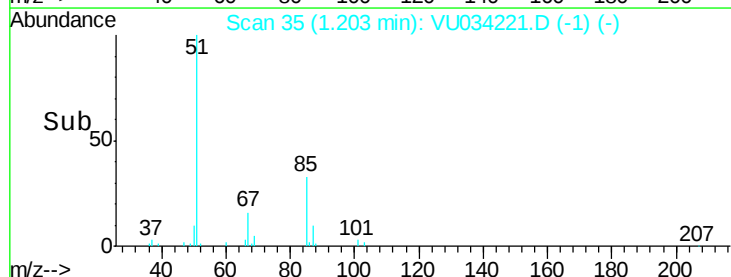
4000

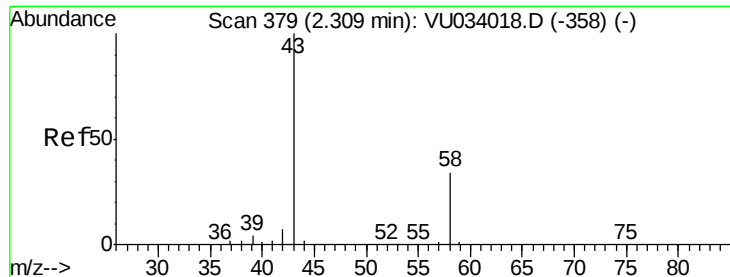
2000

0

1.20 1.25

Time-->





#16

Acetone

Concen: 3.631 ug/l

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VU034221.D

Acq: 03 Sep 2019 12:42

Instrument :

MSVOA_U

ClientSampled :

GW-01

Tot Ion: 43 Resp: 9913

Ion Ratio Lower Upper

43 100

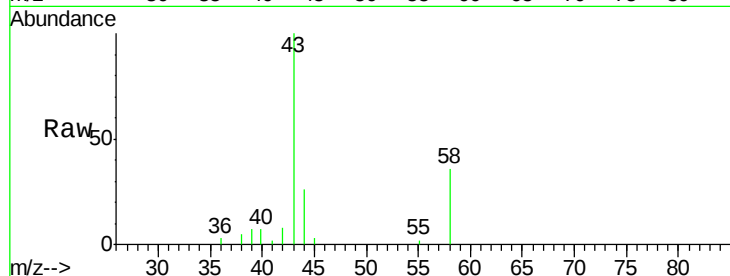
58 37.3 26.8 40.2

Manual Integrations

APPROVED

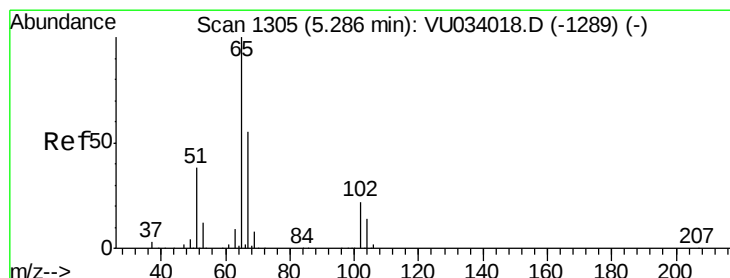
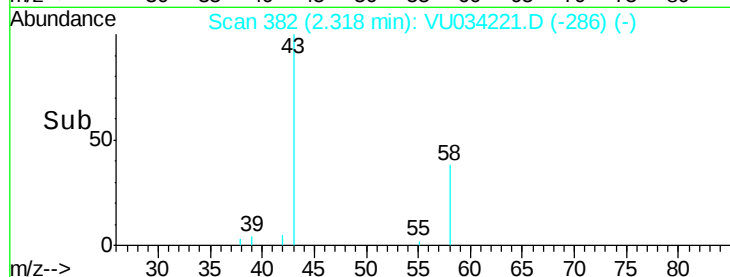
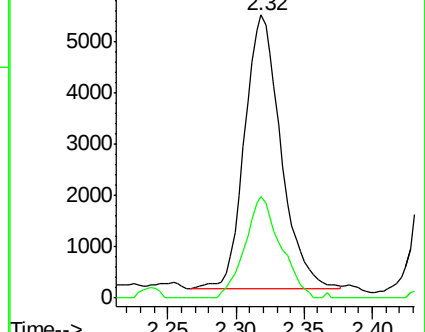
MMDadoda

9/4/2019 4:57:43 PM



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034018.D (-358) (-)



#33

1,2-Dichloroethane-d4

Concen: 49.113 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034221.D

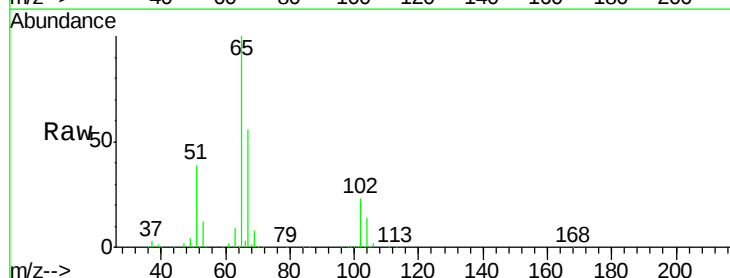
Acq: 03 Sep 2019 12:42

Tgt Ion: 65 Resp: 262762

Ion Ratio Lower Upper

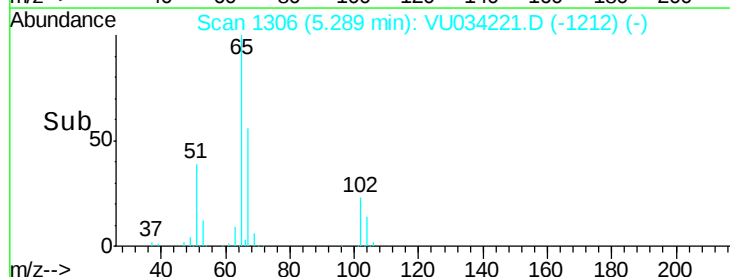
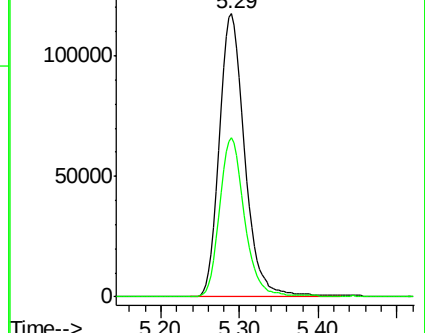
65 100

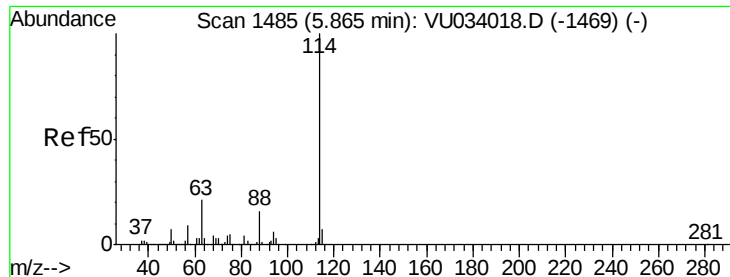
67 54.7 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU034018.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034018.D (-1289) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VU034221.D

Acq: 03 Sep 2019 12:42

Instrument :

MSVOA_U

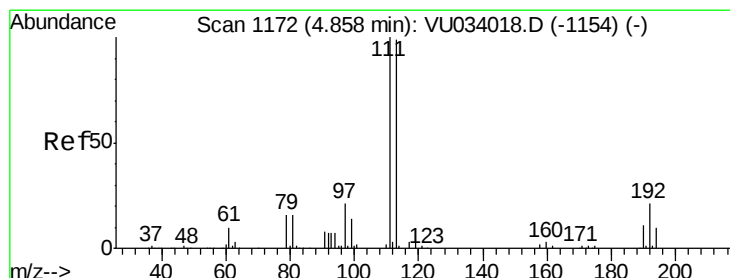
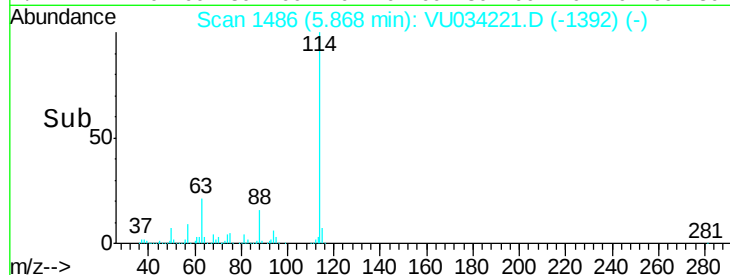
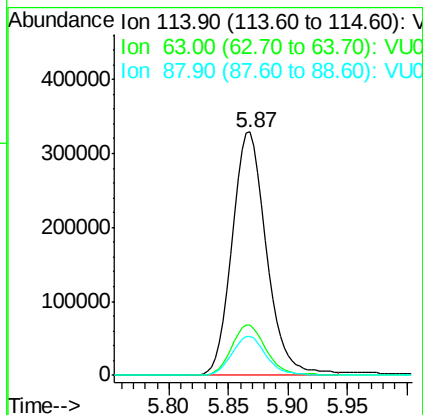
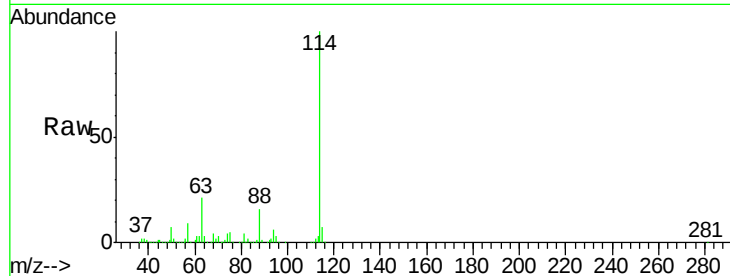
ClientSampleId :

GW-01

Tot Ion:	114	Resp:	660074
Ion Ratio		Lower	Upper
114	100		
63	20.5	0.0	42.0
88	16.0	0.0	32.0

Manual Integrations
APPROVED

MMDadoda
9/4/2019 4:57:43 PM



#35

Dibromofluoromethane

Concen: 48.555 ug/l

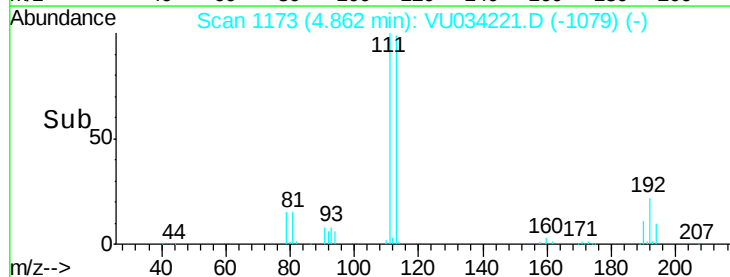
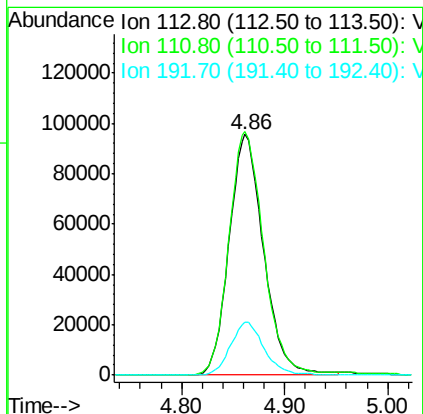
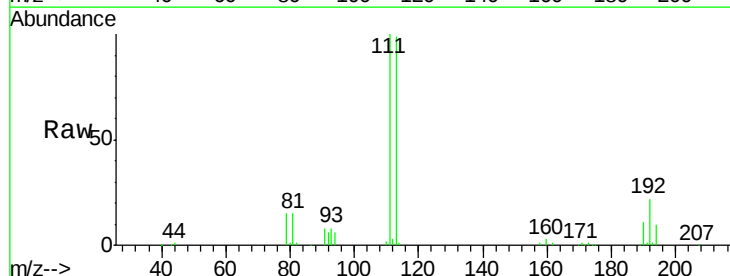
RT: 4.86 min Scan# 1173

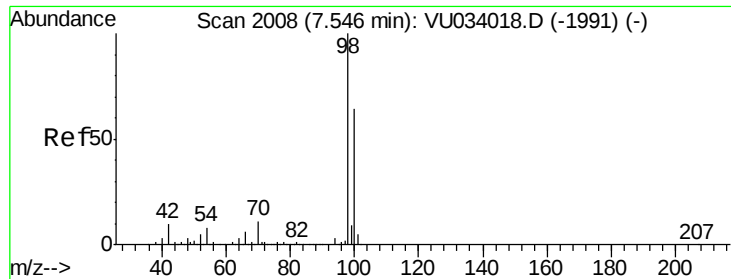
Delta R.T. 0.00 min

Lab File: VU034221.D

Acq: 03 Sep 2019 12:42

Tgt Ion:	113	Resp:	222296
Ion Ratio		Lower	Upper
113	100		
111	102.2	81.7	122.5
192	21.5	17.1	25.7





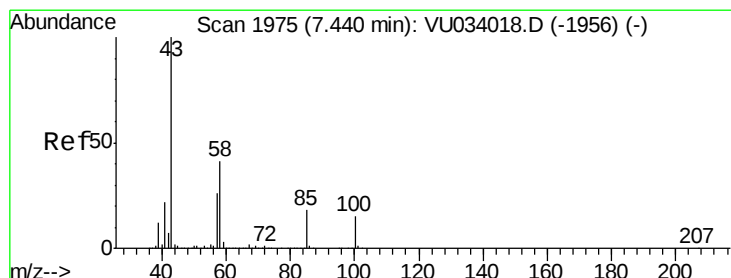
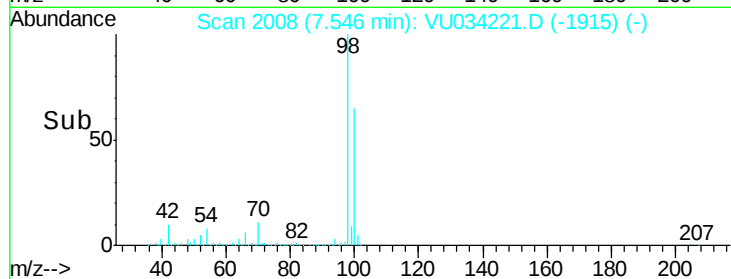
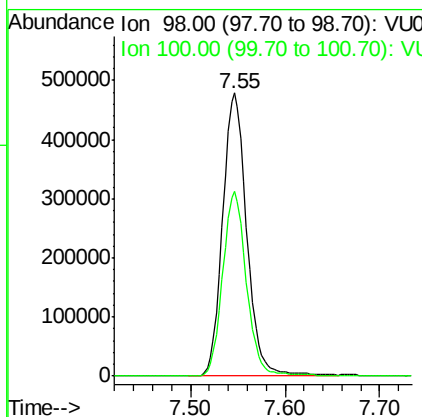
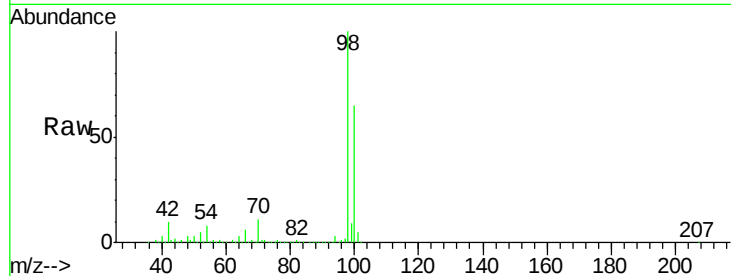
#50
Toluene-d8
Concen: 49.624 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034221.D
Acq: 03 Sep 2019 12:42

Instrument :
MSVOA_U
ClientSampled :
GW-01

Tot Ion: 98 Resp: 850689
Ion Ratio Lower Upper
98 100
100 64.5 50.3 75.5

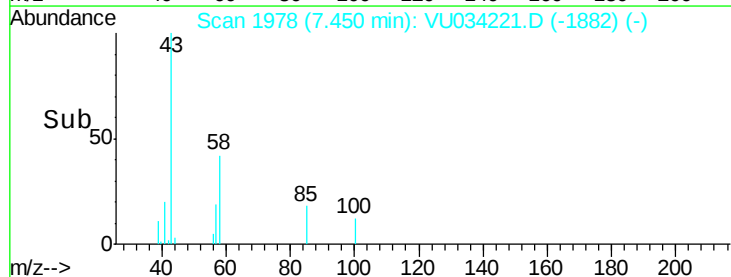
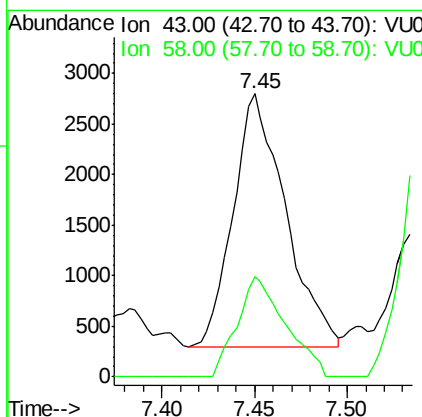
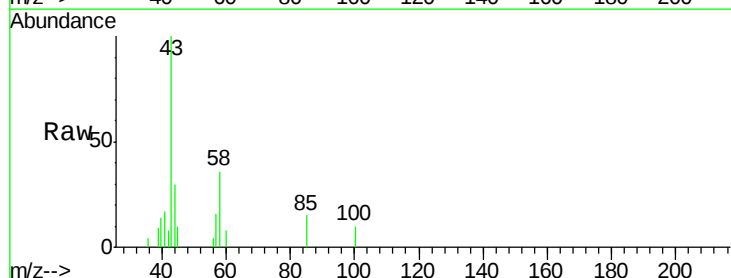
Manual Integrations
APPROVED

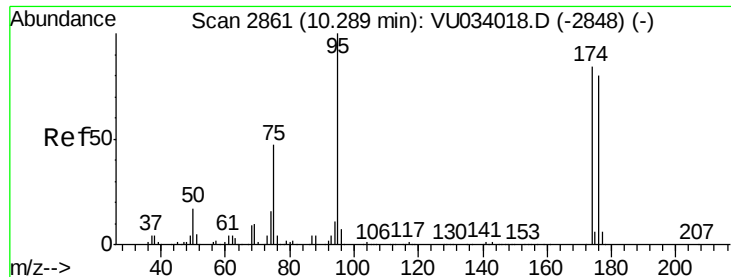
MMDadoda
9/4/2019 4:57:43 PM



#51
4-Methyl-2-Pentanone
Concen: 0.668 ug/l
RT: 7.45 min Scan# 1978
Delta R.T. 0.01 min
Lab File: VU034221.D
Acq: 03 Sep 2019 12:42

Tgt Ion: 43 Resp: 4904
Ion Ratio Lower Upper
43 100
58 36.6 32.2 48.4





#62

4-Bromofluorobenzene

Concen: 43.704 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034221.D

Acq: 03 Sep 2019 12:42

Instrument :

MSVOA_U

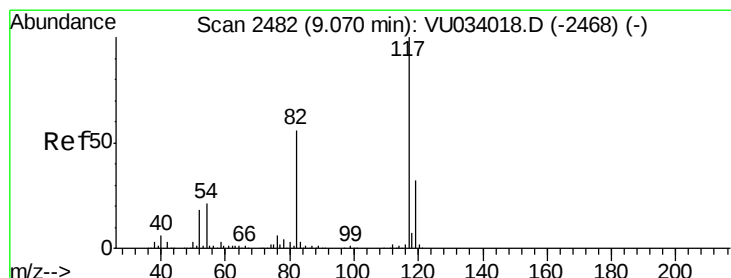
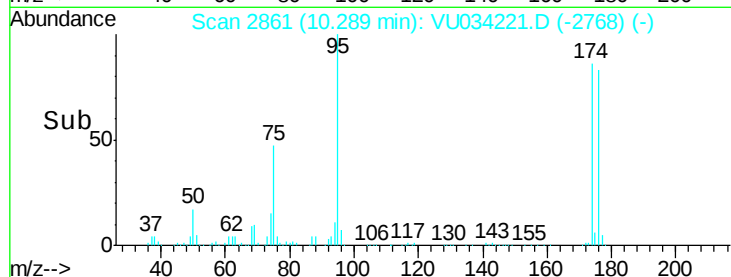
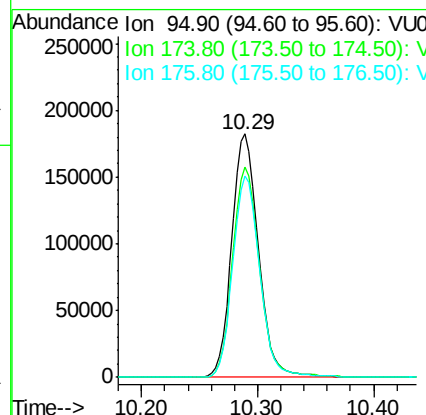
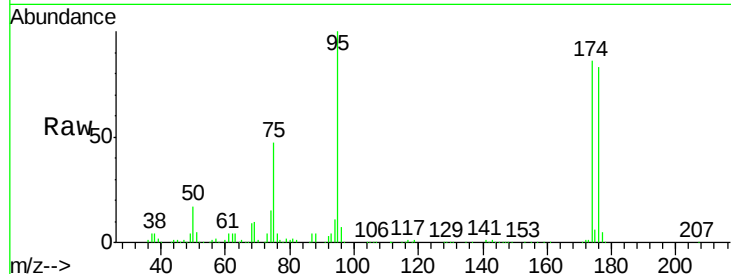
ClientSampled :

GW-01

Tot Ion:	95	Resp:	291432
Ion Ratio	Lower	Upper	
95	100		
174	87.2	0.0	168.8
176	83.4	0.0	161.8

Manual Integrations
APPROVED

MMDadoda
9/4/2019 4:57:43 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

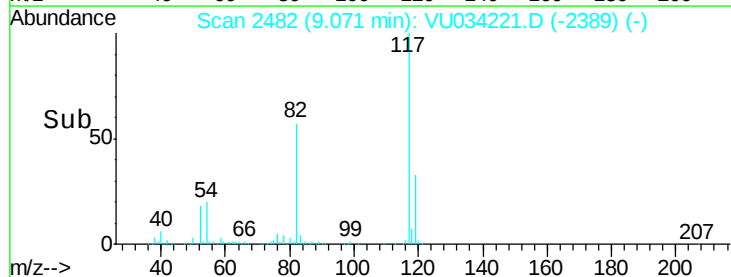
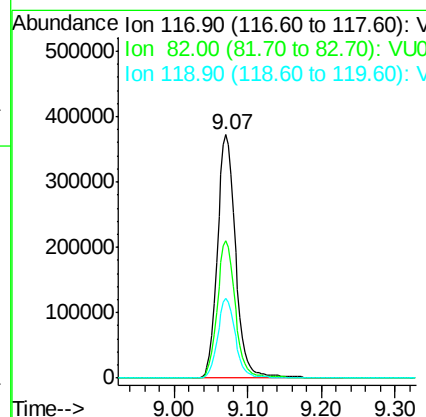
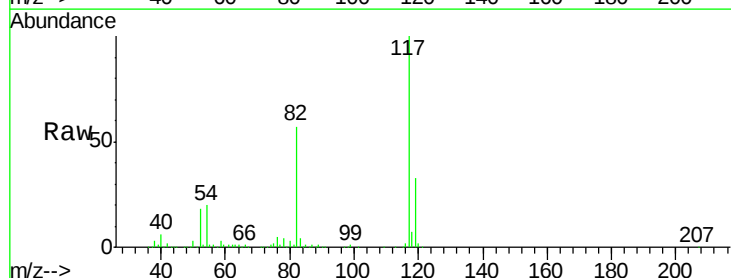
RT: 9.07 min Scan# 2482

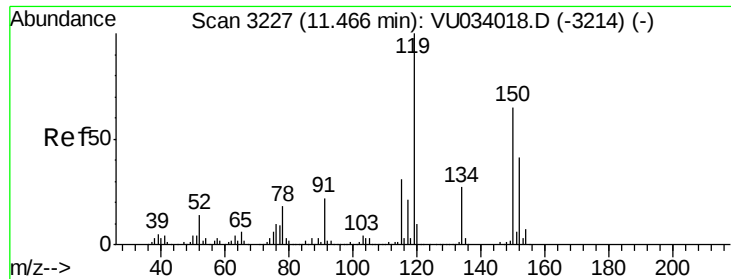
Delta R.T. 0.00 min

Lab File: VU034221.D

Acq: 03 Sep 2019 12:42

Tgt Ion:	117	Resp:	638796
Ion Ratio	Lower	Upper	
117	100		
82	56.6	45.1	67.7
119	32.9	25.4	38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034221.D

Acq: 03 Sep 2019 12:42

Instrument :

MSVOA_U

ClientSampleId :

GW-01

Tot Ion:152 Resp: 320479

Ion Ratio Lower Upper

152 100

115 57.3 41.1 123.3

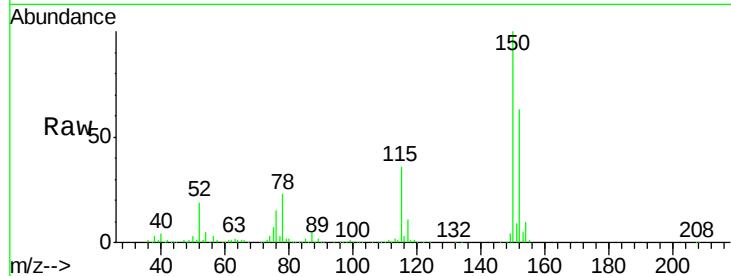
150 159.8 0.0 348.8

Manual Integrations

APPROVED

MMDadoda

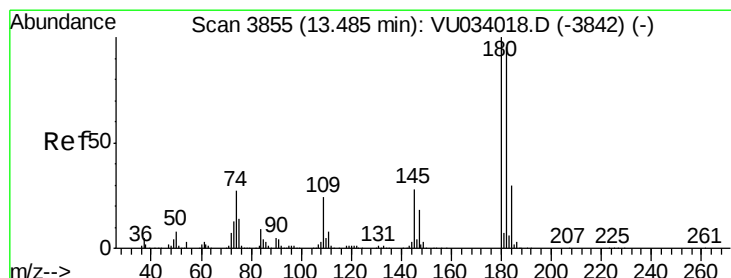
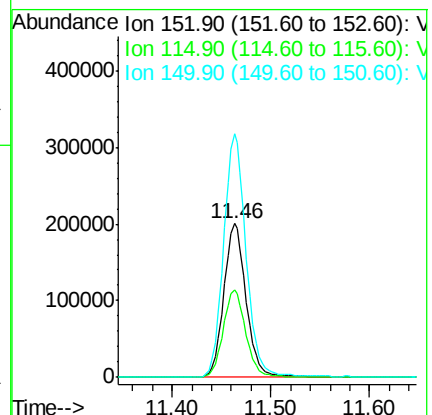
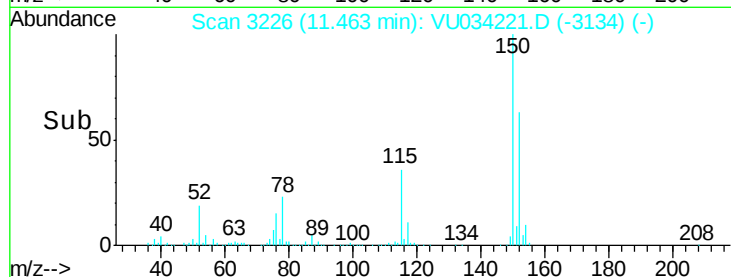
9/4/2019 4:57:43 PM



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



#93

1,2,4-Trichlorobenzene

Concen: 1.559 ug/l m

RT: 13.50 min Scan# 3861

Delta R.T. 0.02 min

Lab File: VU034221.D

Acq: 03 Sep 2019 12:42

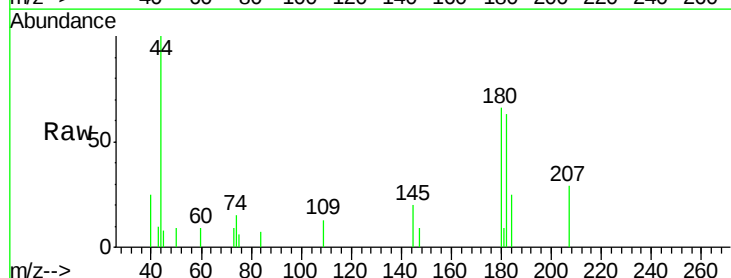
Tgt Ion:180 Resp: 3182

Ion Ratio Lower Upper

180 100

182 82.3 47.4 142.2

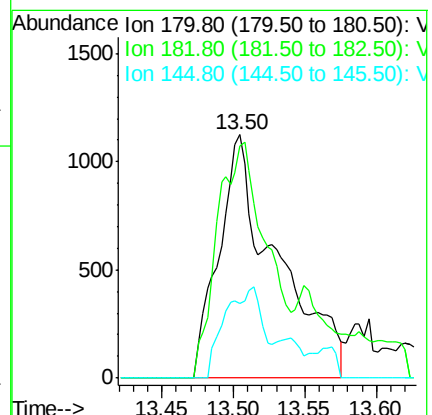
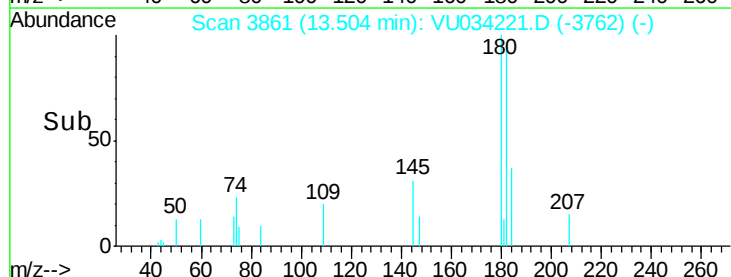
145 24.5 14.1 42.3

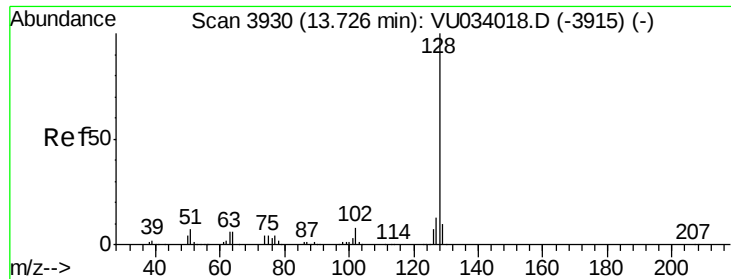


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





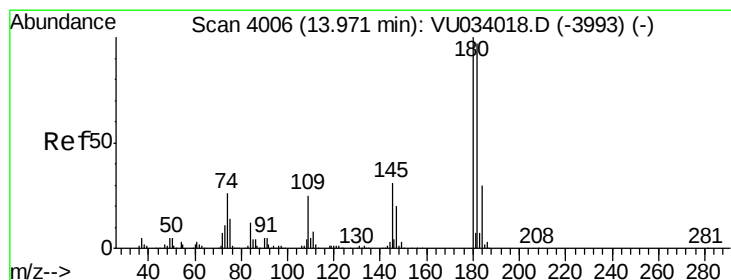
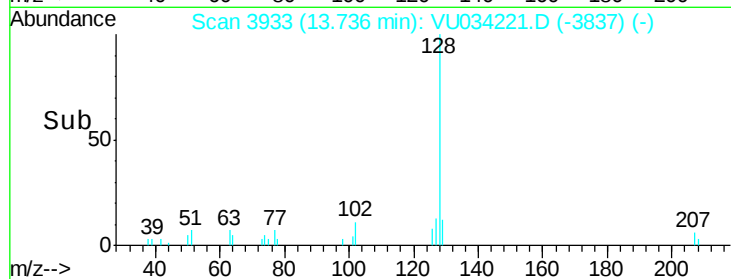
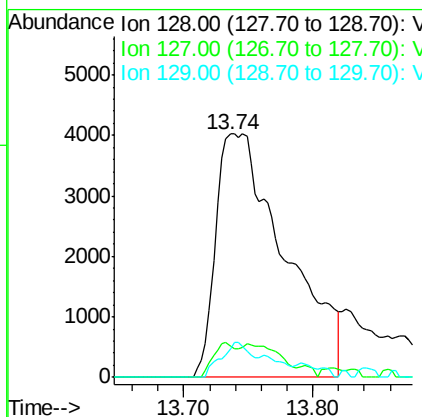
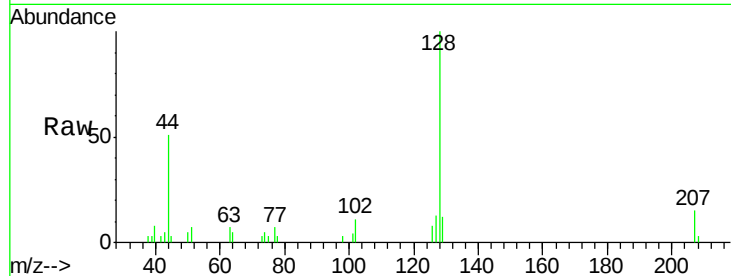
#95
Naphthalene
Concen: 2.513 ug/l
RT: 13.74 min Scan# 3933
Delta R.T. 0.01 min
Lab File: VU034221.D
Acq: 03 Sep 2019 12:42

Instrument :
MSVOA_U
ClientSampleId :
GW-01

Tot Ion	Ratio	Lower	Upper
128	100		
127	4.8	10.2	15.4#
129	5.9	8.4	12.6#

Manual Integrations
APPROVED

MMDadoda
9/4/2019 4:57:43 PM



#96
1,2,3-Trichlorobenzene
Concen: 0.733 ug/l m
RT: 13.98 min Scan# 4009
Delta R.T. 0.01 min
Lab File: VU034221.D
Acq: 03 Sep 2019 12:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	54.8	48.2	144.6
145	14.6	15.5	46.5#

