

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024544.D
 Acq On : 14 Jun 2018 16:53
 Operator : MD/SY
 Sample : J3443-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 T3-MW-1-9.0-061118

Manual Integrations
 APPROVED

apatel
 6/15/2018 3:19:23 PM

Quant Time: Jun 15 09:47:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	178302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	304325	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	296386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	178185	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	137169	47.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.24%	
35) Dibromofluoromethane	4.89	113	124052	49.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.24%	
50) Toluene-d8	7.57	98	454821	49.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	10.31	95	175635	48.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.04%	
Target Compounds						
					Qvalue	
16) Acetone	2.32	43	21701	13.876	ug/l	99
31) Cyclohexane	5.00	56	100064	25.234	ug/l	96
39) Methylcyclohexane	6.42	83	56128	12.577	ug/l	97
40) Benzene	5.40	78	232488	22.816	ug/l	98
52) Toluene	7.64	92	28457	4.341	ug/l	99
67) Ethyl Benzene	9.26	91	14550	1.096	ug/l	95
68) m/p-Xylenes	9.38	106	101072	19.830	ug/l	96
69) o-Xylene	9.78	106	6978	1.383	ug/l	88
73) Isopropylbenzene	10.17	105	701927	51.309	ug/l	98
78) n-propylbenzene	10.59	91	1506918	93.509	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	15483m	1.306	ug/l	
83) tert-Butylbenzene	11.10	119	35122	3.079	ug/l	92
84) 1,2,4-Trimethylbenzene	11.15	105	15986	1.323	ug/l	98
85) sec-Butylbenzene	11.33	105	180460	12.640	ug/l	99
89) n-Butylbenzene	11.89	91	107307	9.452	ug/l #	78
95) Naphthalene	13.75	128	49111	4.377	ug/l #	94

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

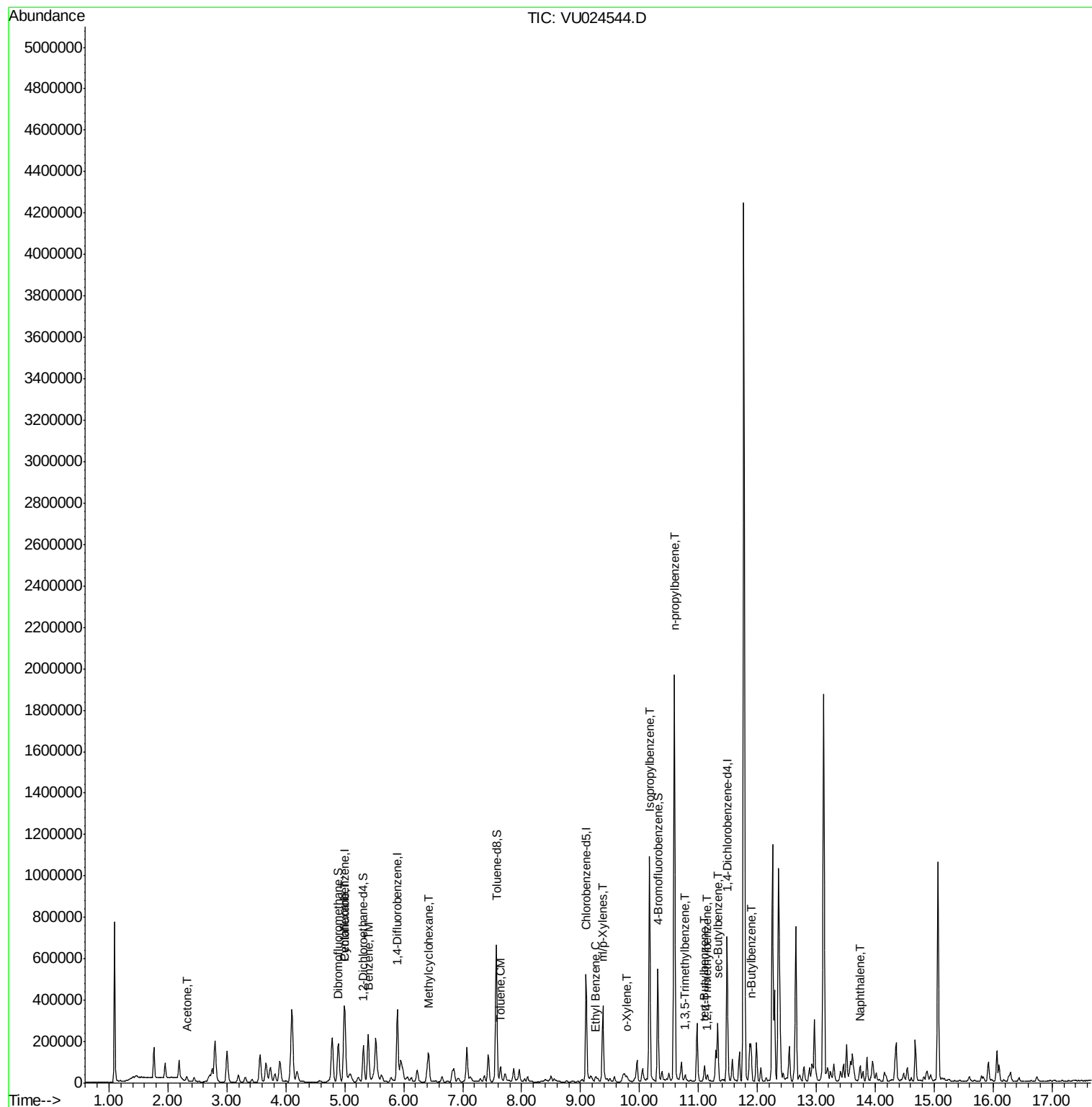
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061418\
Data File : VU024544.D
Acq On : 14 Jun 2018 16:53
Operator : MD/SY
Sample : J3443-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

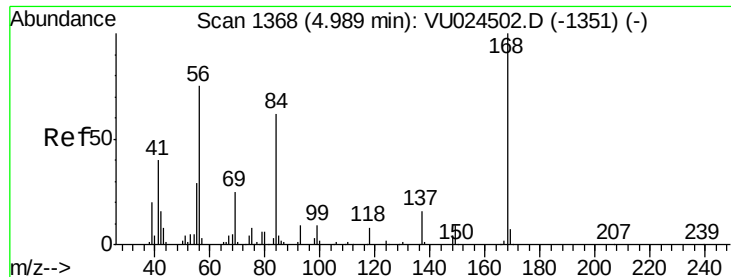
Instrument :
MSVOA_U
ClientSampleId :
T3-MW-1-9.0-061118

Manual Integrations
APPROVED

apatel
6/15/2018 3:19:23 PM

Quant Time: Jun 15 09:47:25 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 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: VU024544.D

Acq: 14 Jun 2018 16:53

Instrument :

MSVOA_U

ClientSampleId :

T3-MW-1-9.0-061118

Tot Ion:168 Resp: 178302

Ion Ratio Lower Upper

168 100

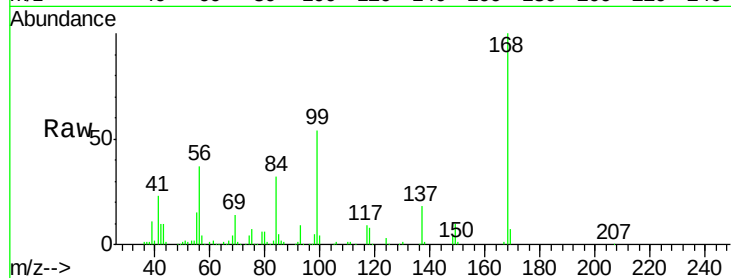
99 54.3 43.2 64.8

Manual Integrations

APPROVED

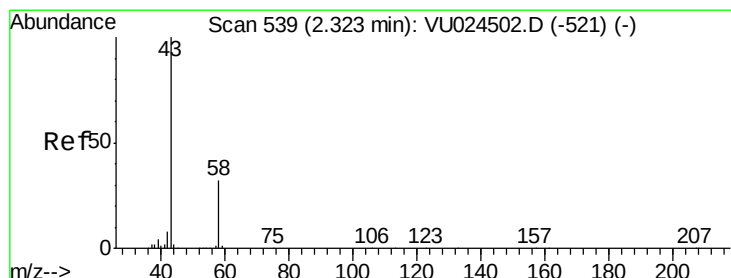
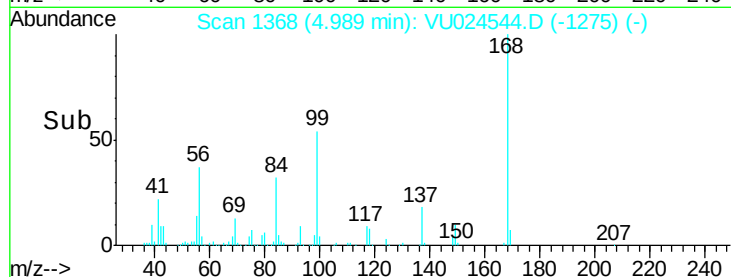
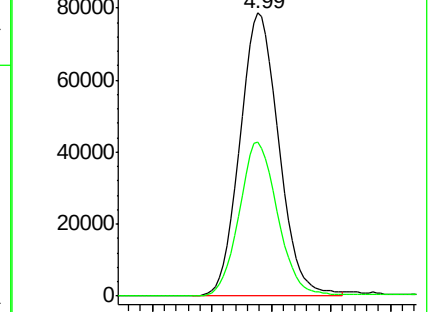
apatel

6/15/2018 3:19:23 PM



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#16

Acetone

Concen: 13.876 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024544.D

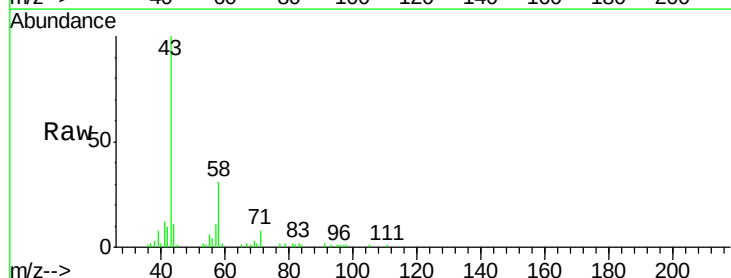
Acq: 14 Jun 2018 16:53

Tgt Ion: 43 Resp: 21701

Ion Ratio Lower Upper

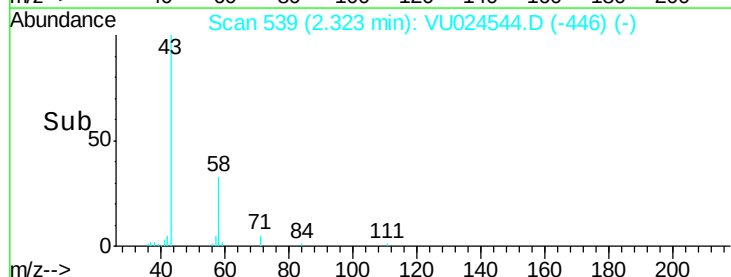
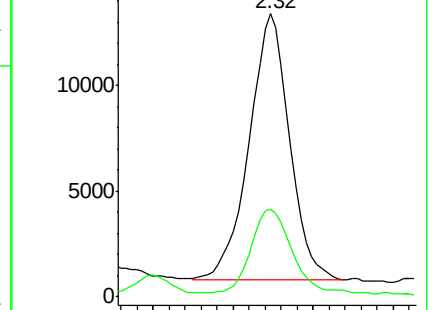
43 100

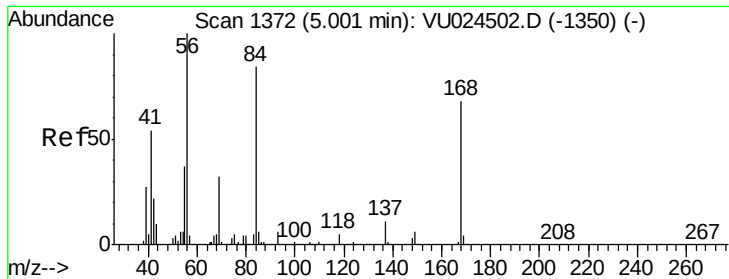
58 31.3 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-521) (-)

Ion 58.00 (57.70 to 58.70): VU024502.D (-521) (-)





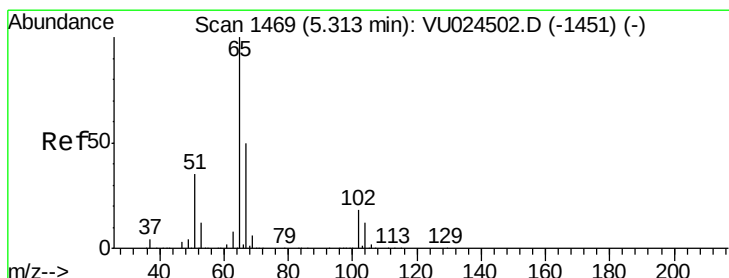
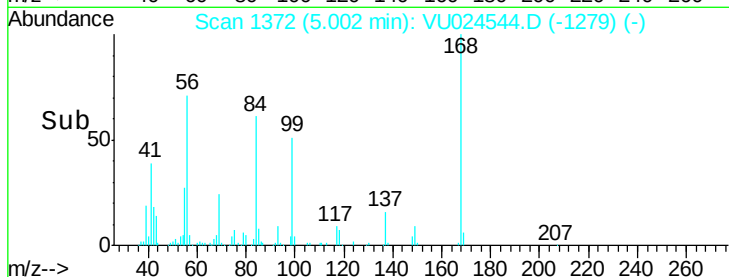
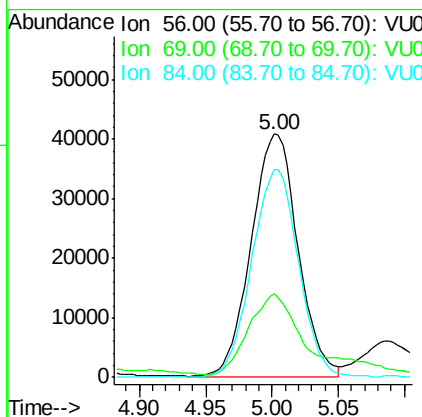
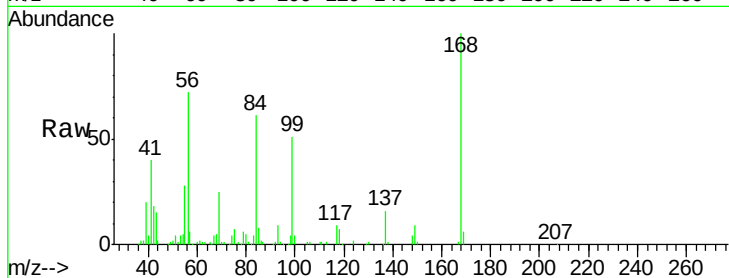
#31
Cyclohexane
Concen: 25.234 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

Instrument :
MSVOA_U
ClientSampleId :
T3-MW-1-9.0-061118

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	24.8	37.2
84	85.2	65.2	97.8

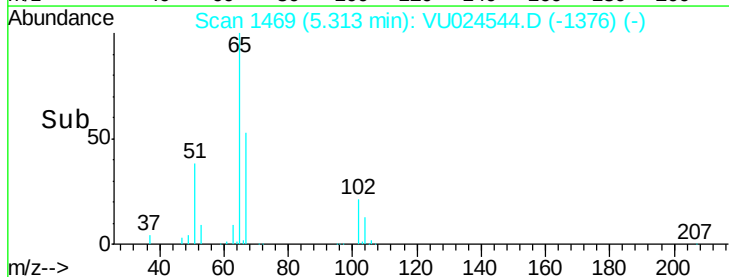
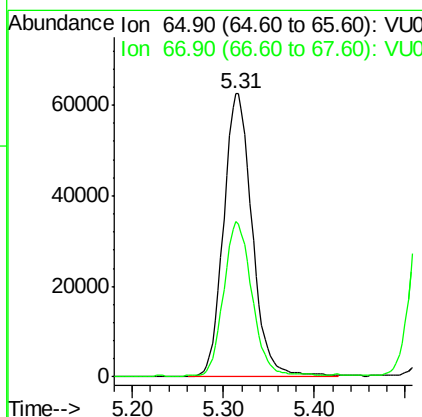
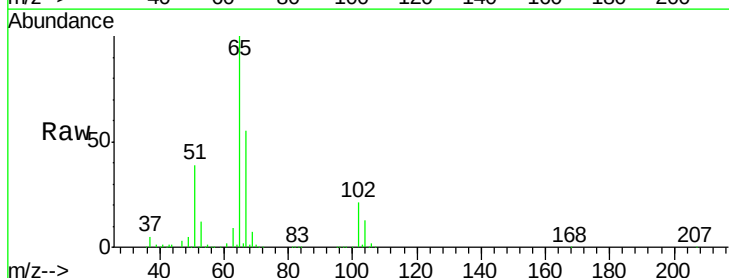
Manual Integrations
APPROVED

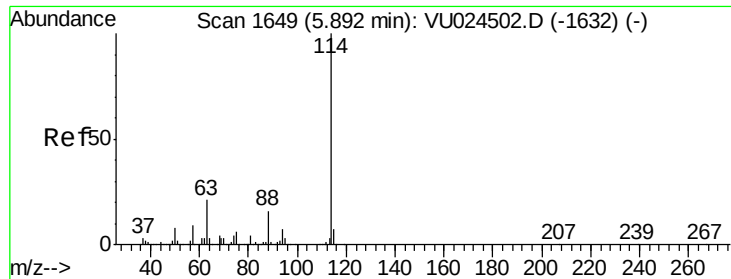
apatel
6/15/2018 3:19:23 PM



#33
1,2-Dichloroethane-d4
Concen: 47.124 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

Instrument :

MSVOA_U

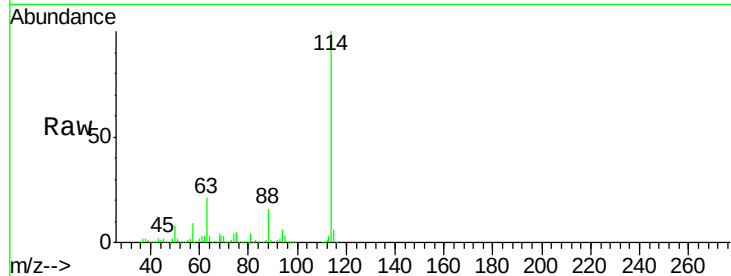
ClientSampleId :

T3-MW-1-9.0-061118

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	20.5	0.0	45.4
88	16.3	0.0	31.0

Manual Integrations
APPROVED

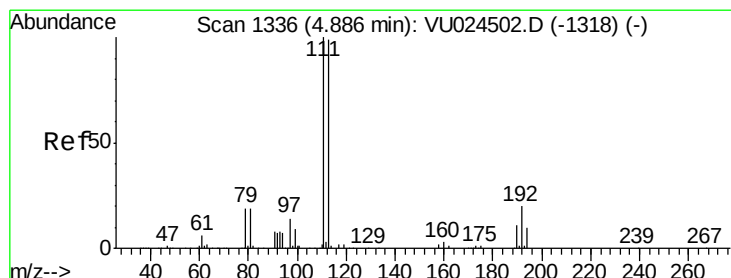
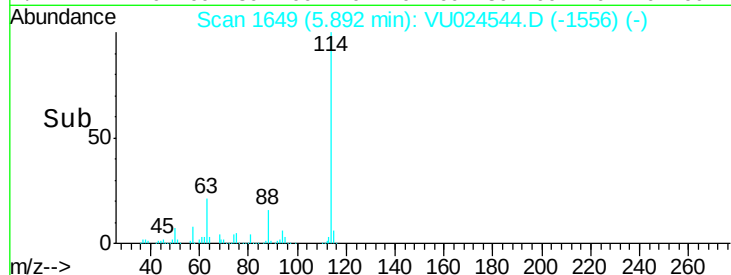
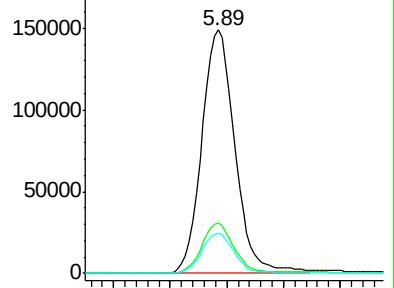
apatel
6/15/2018 3:19:23 PM



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: 49.117 ug/l

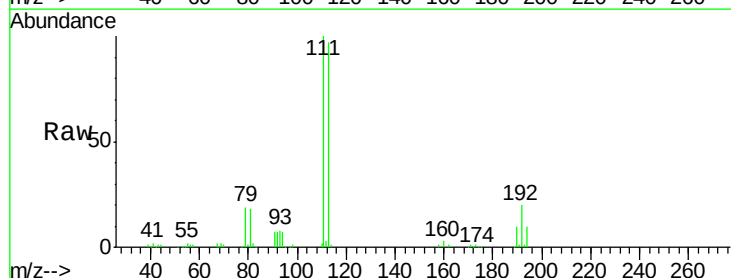
RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

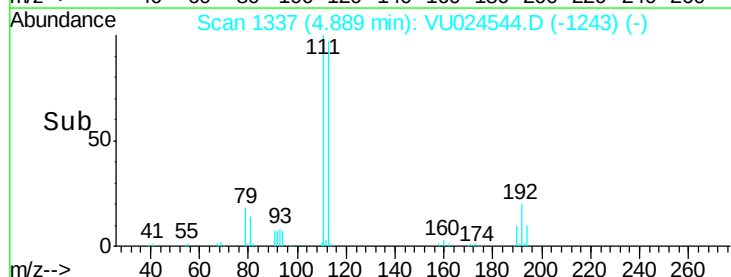
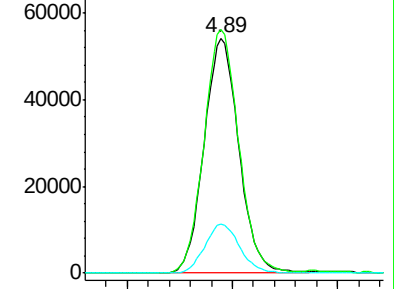
Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	103.4	82.2	123.4
192	21.1	16.2	24.4

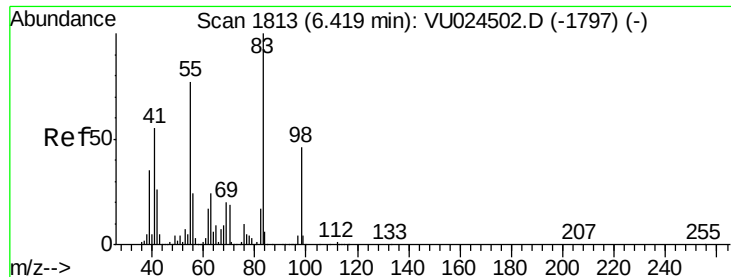


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





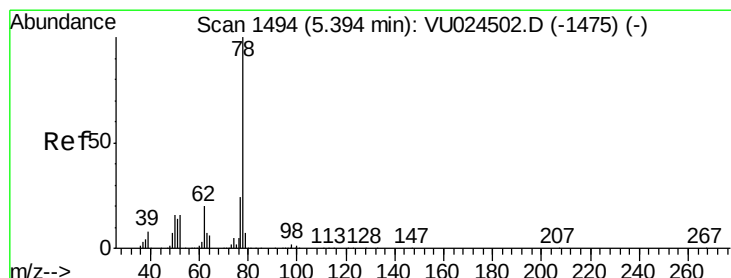
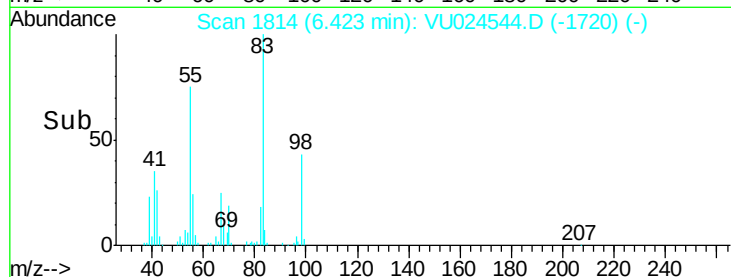
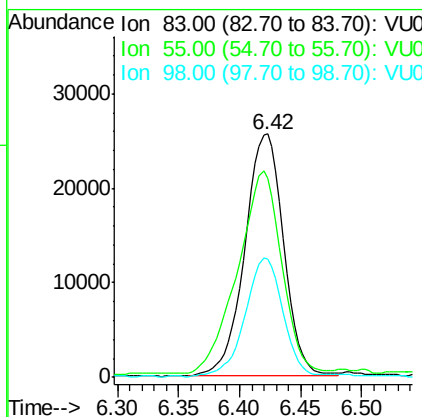
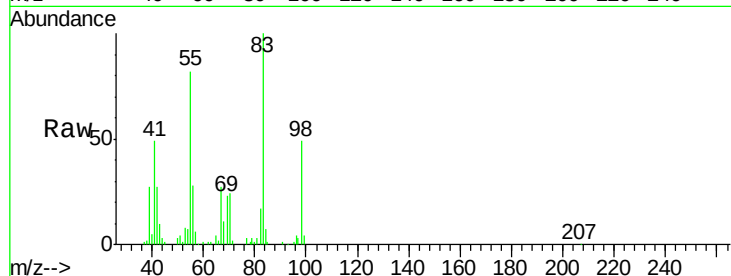
#39
Methylvlcyclohexane
Concen: 12.577 ug/l
RT: 6.42 min Scan# 1814
Delta R.T. 0.00 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

Instrument :
MSVOA_U
ClientSampleId :
T3-MW-1-9.0-061118

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.1	65.8	98.6
98	48.7	36.7	55.1

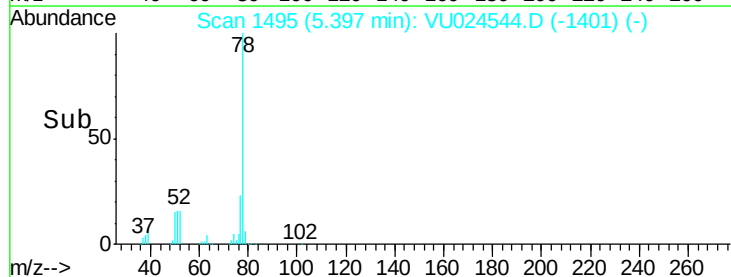
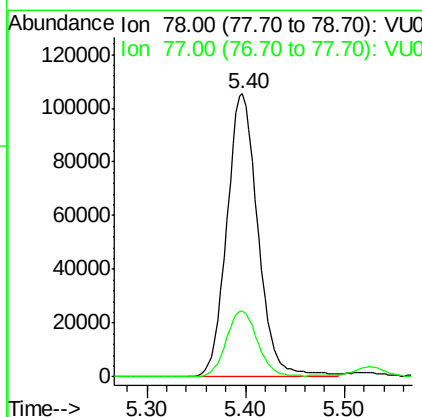
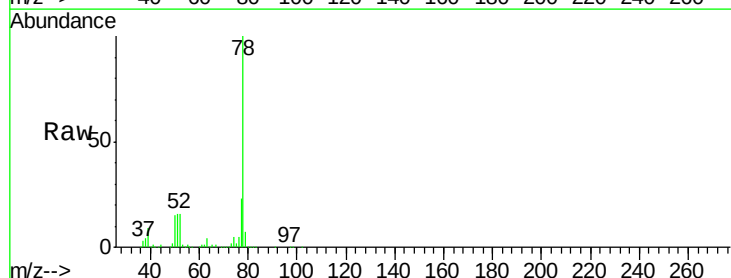
Manual Integrations
APPROVED

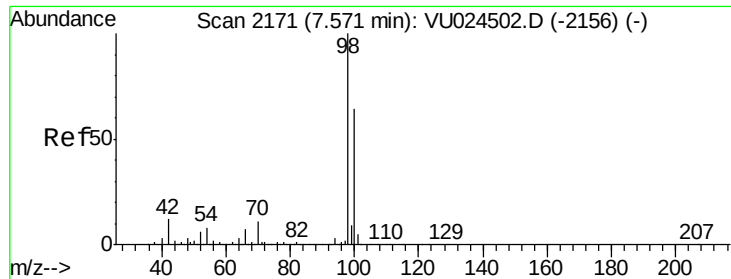
apatel
6/15/2018 3:19:23 PM



#40
Benzene
Concen: 22.816 ug/l
RT: 5.40 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.2	28.8





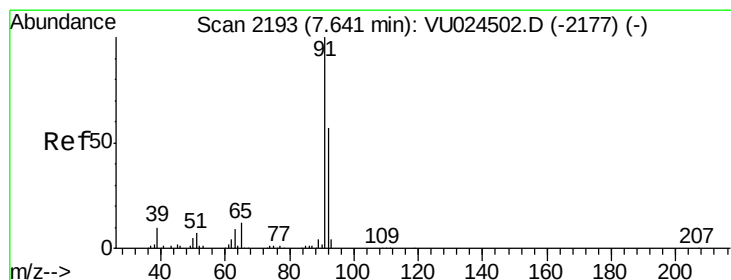
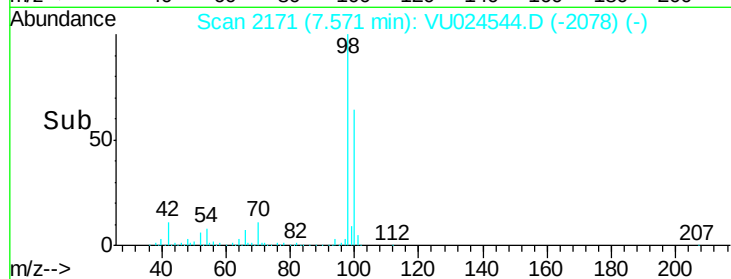
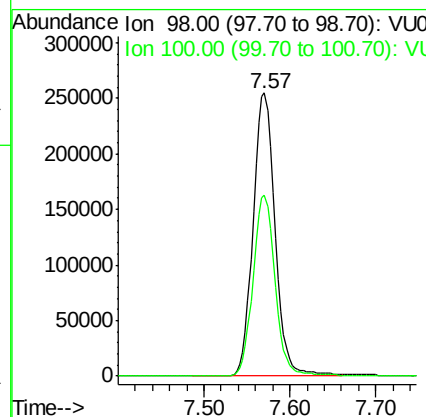
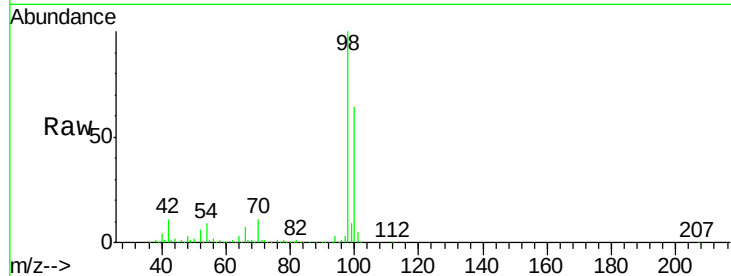
#50
Toluene-d8
Concen: 49.369 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

Instrument :
MSVOA_U
ClientSampleId :
T3-MW-1-9.0-061118

Tot Ion: 98 Resp: 454821
Ion Ratio Lower Upper
98 100
100 64.4 51.1 76.7

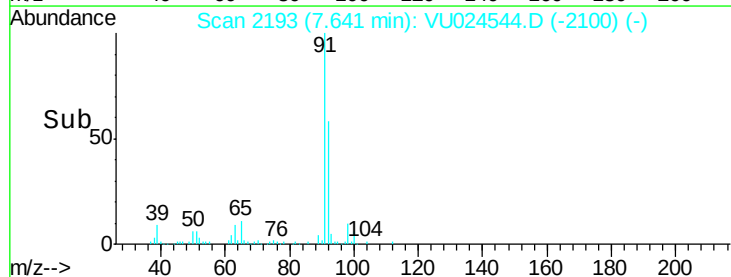
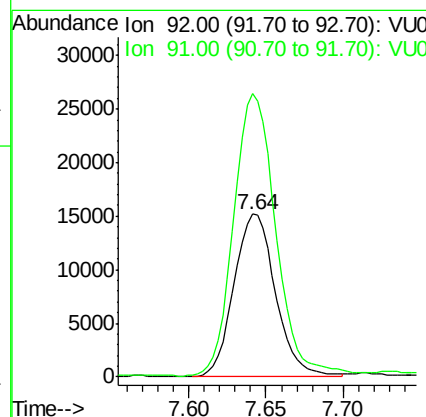
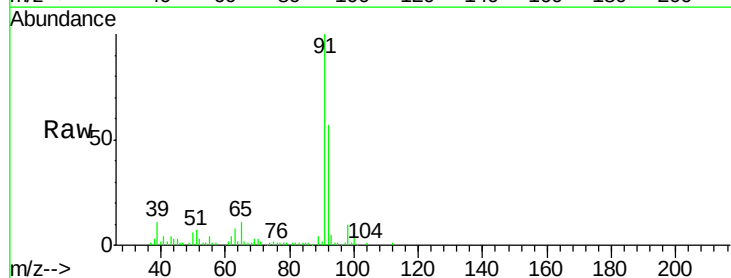
Manual Integrations
APPROVED

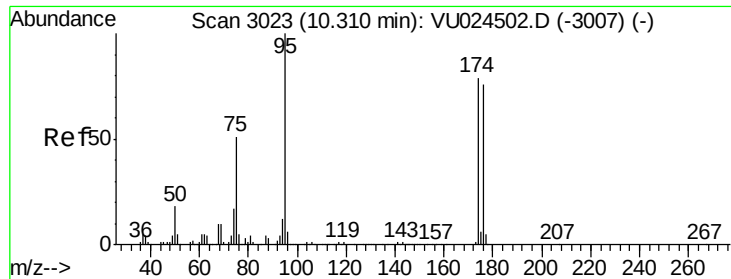
apatel
6/15/2018 3:19:23 PM



#52
Toluene
Concen: 4.341 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

Tgt Ion: 92 Resp: 28457
Ion Ratio Lower Upper
92 100
91 177.2 140.5 210.7





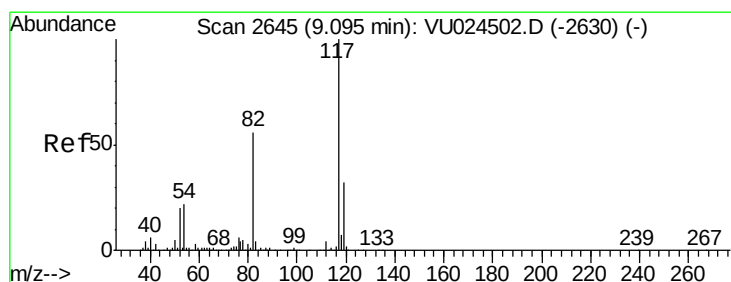
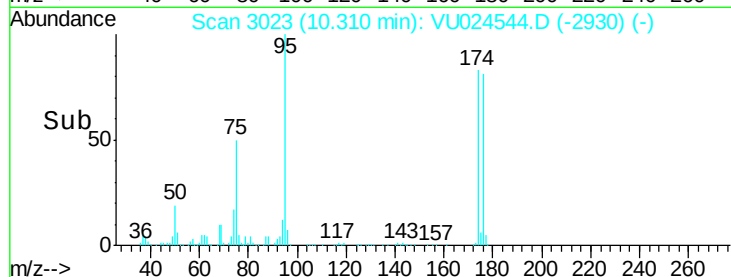
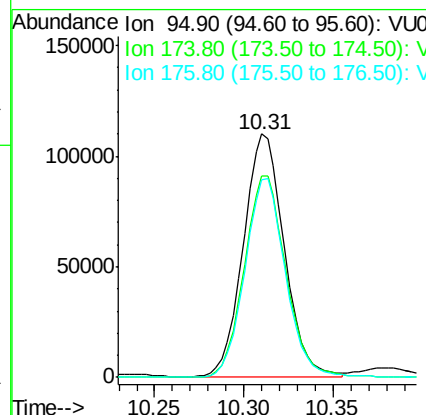
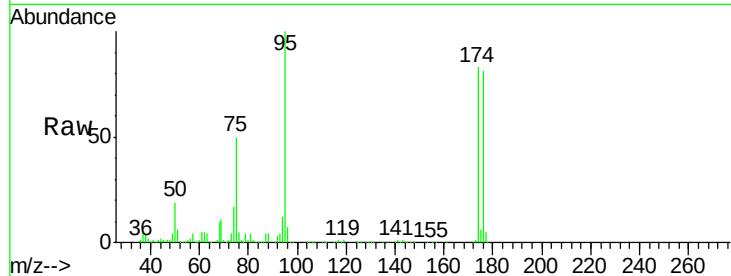
#62
4-Bromofluorobenzene
Concen: 48.017 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

Instrument :
MSVOA_U
ClientSampleId :
T3-MW-1-9.0-061118

Tot Ion	Ratio	Resp	Lower	Upper
95	100	175635		
174	85.0	0.0	165.8	
176	81.7	0.0	159.4	

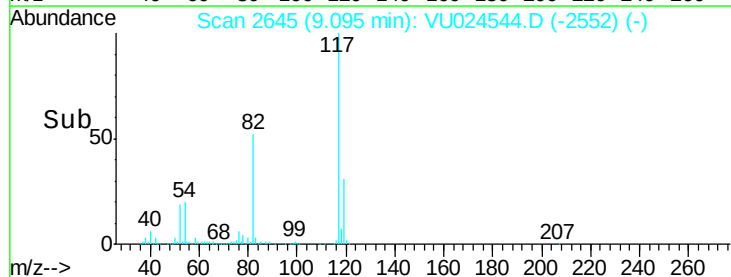
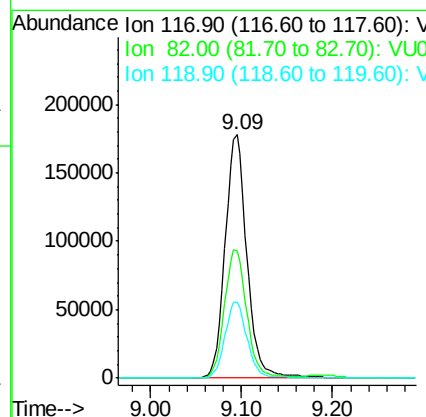
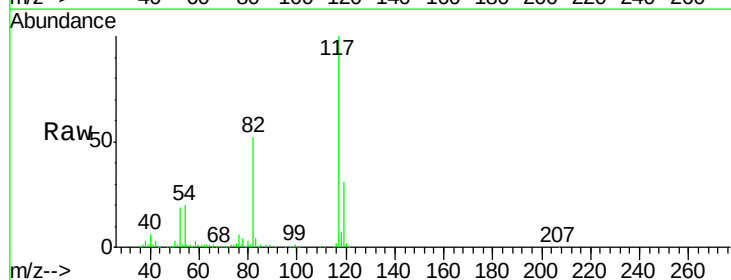
Manual Integrations
APPROVED

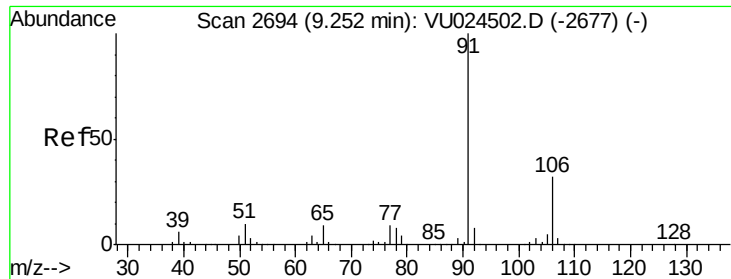
apatel
6/15/2018 3:19:23 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	296386		
82	52.4	44.3	66.5	
119	31.2	25.4	38.2	





#67

Ethyl Benzene

Concen: 1.096 ug/l

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

Instrument :

MSVOA_U

ClientSampleId :

T3-MW-1-9.0-061118

Tot Ion: 91 Resp: 14550

Ion Ratio Lower Upper

91 100

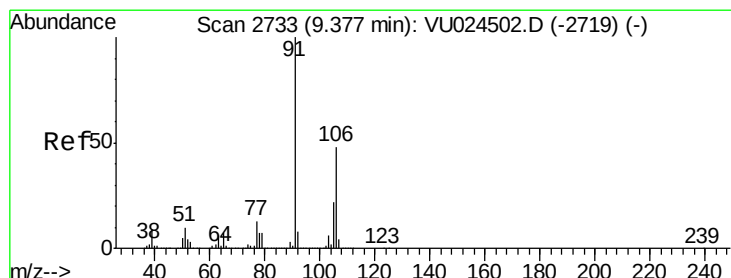
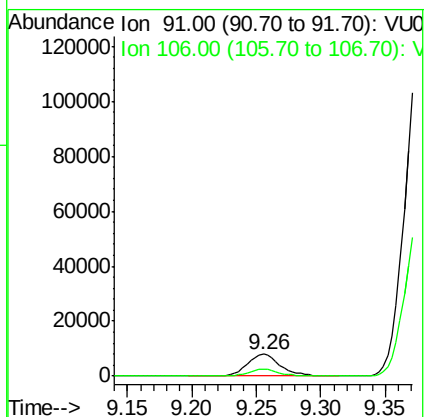
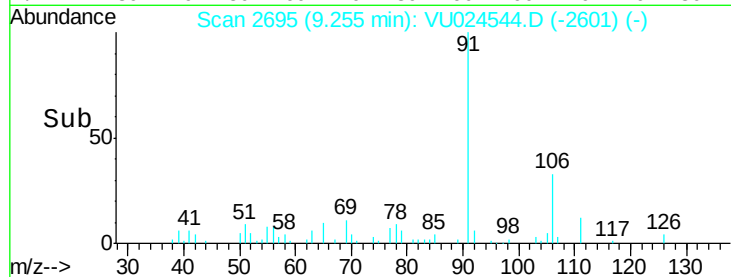
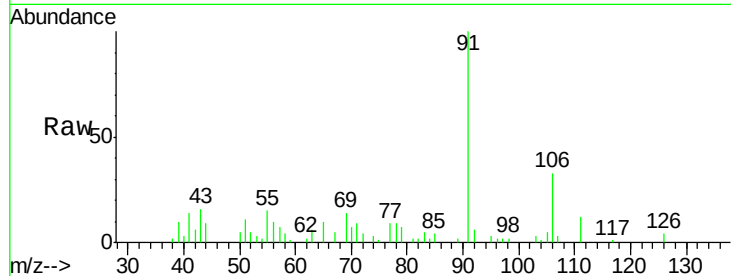
106 32.9 24.2 36.4

Manual Integrations

APPROVED

apatel

6/15/2018 3:19:23 PM



#68

m/p-Xylenes

Concen: 19.830 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU024544.D

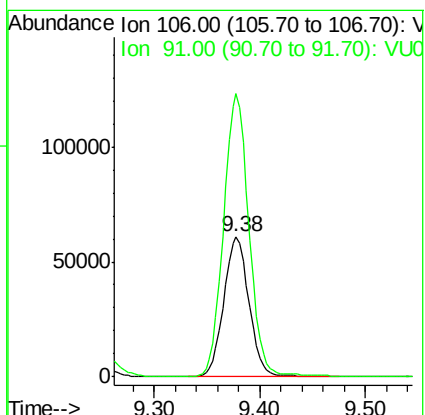
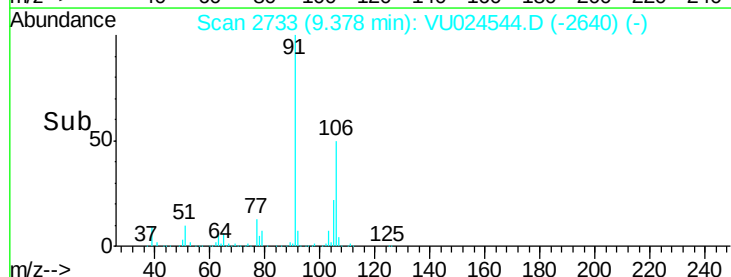
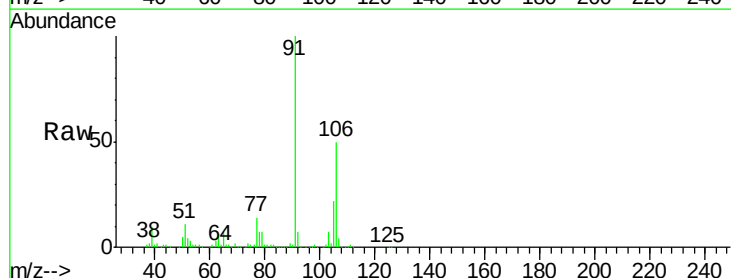
Acq: 14 Jun 2018 16:53

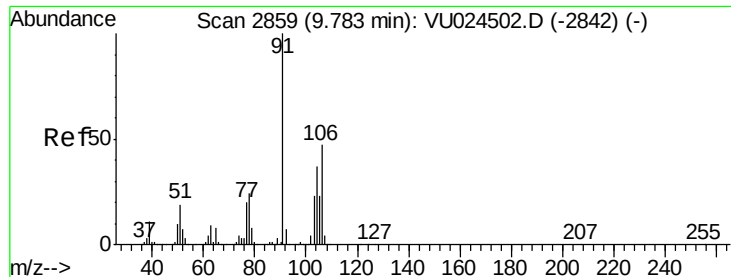
Tgt Ion: 106 Resp: 101072

Ion Ratio Lower Upper

106 100

91 201.4 166.5 249.7





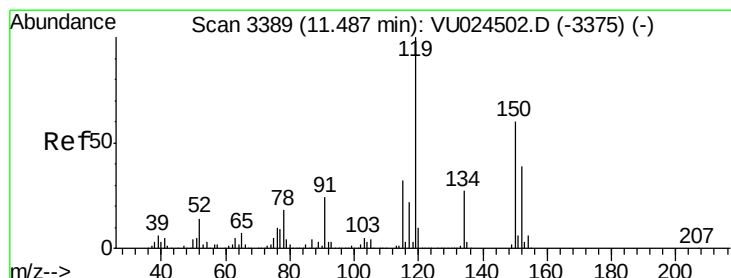
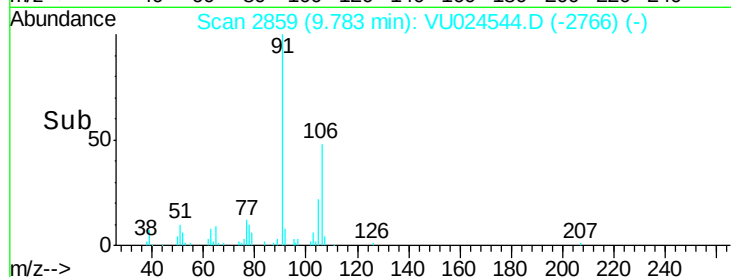
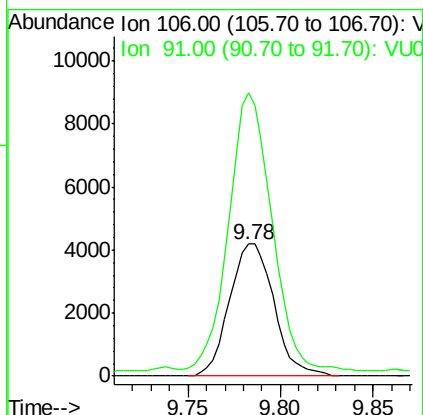
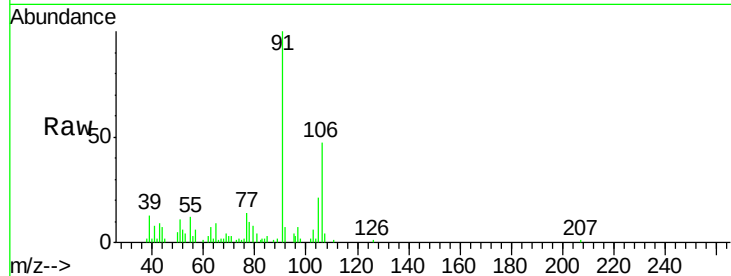
#69
o-Xylene
Concen: 1.383 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

Instrument :
MSVOA_U
ClientSampleId :
T3-MW-1-9.0-061118

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	202.7	110.7	331.9	

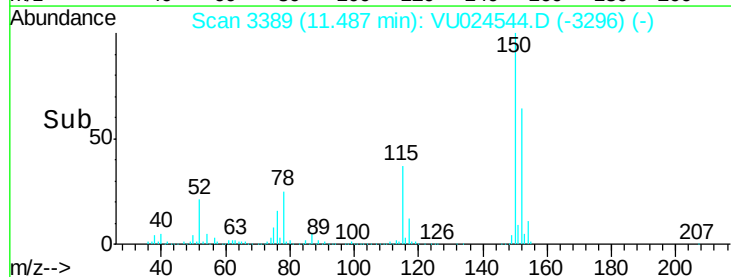
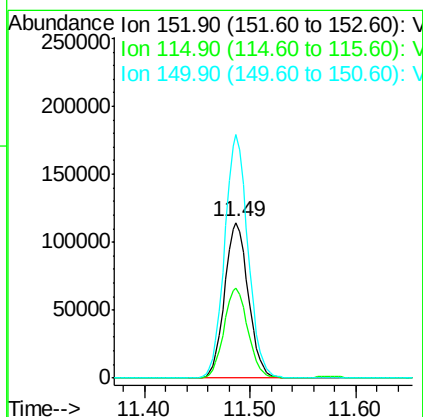
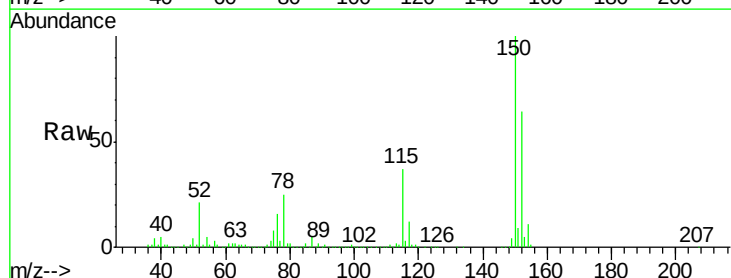
Manual Integrations
APPROVED

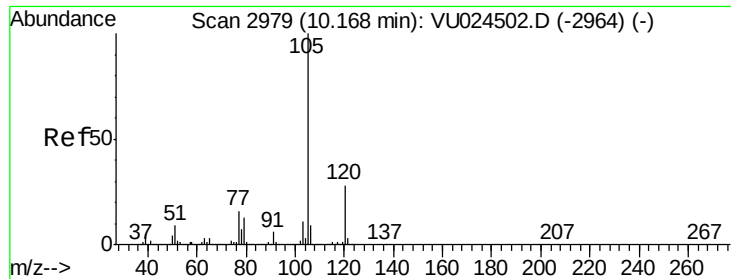
apatel
6/15/2018 3:19:23 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	58.1	43.0	129.0	
150	154.0	0.0	354.0	





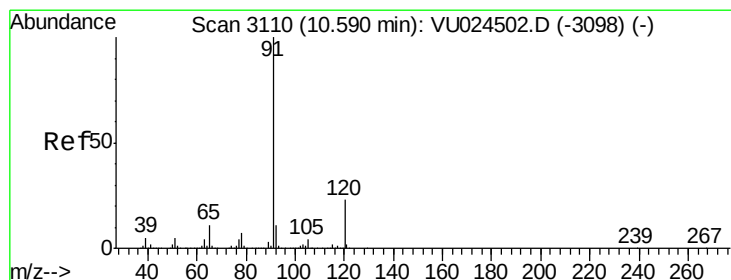
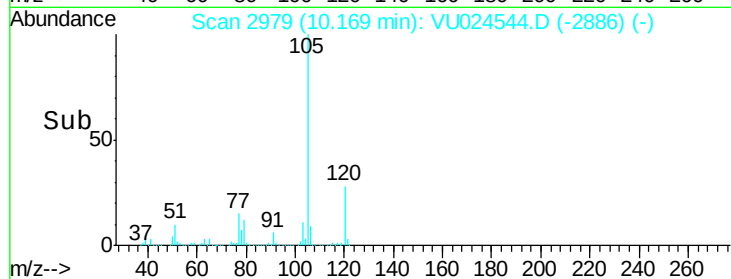
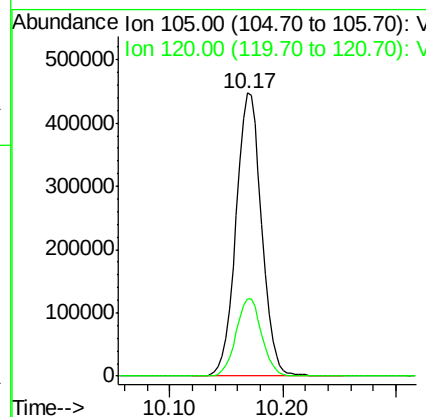
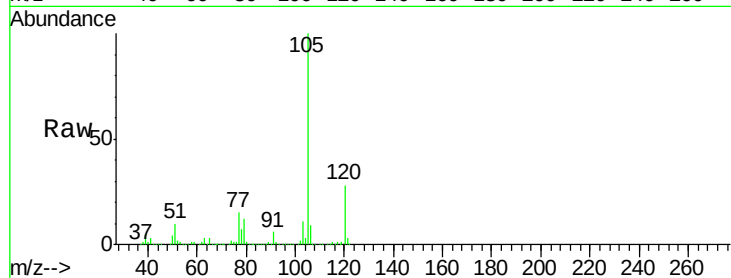
#73
Isopropylbenzene
Concen: 51.309 ug/l
RT: 10.17 min Scan# 2979
Delta R.T. 0.00 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

Instrument :
MSVOA_U
ClientSampleId :
T3-MW-1-9.0-061118

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.2	39.6

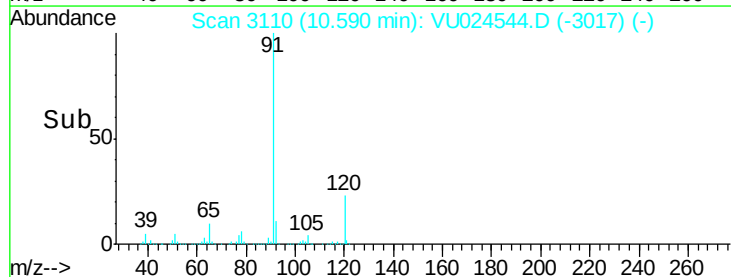
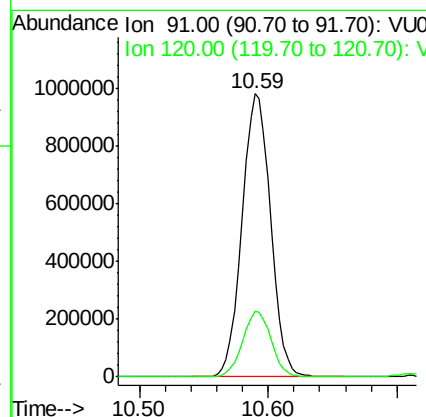
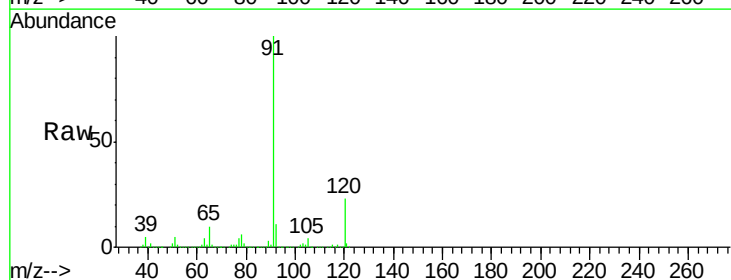
Manual Integrations
APPROVED

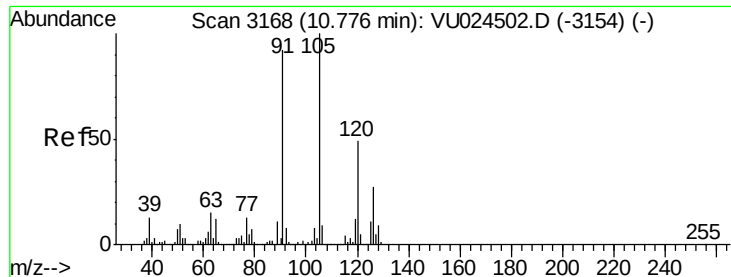
apatel
6/15/2018 3:19:23 PM



#78
n-propylbenzene
Concen: 93.509 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. 0.00 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.2	33.5





#80

1,3,5-Trimethylbenzene

Concen: 1.306 ug/l m

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

Instrument :

MSVOA_U

ClientSampleId :

T3-MW-1-9.0-061118

Tot Ion:105 Resp: 15483

Ion Ratio Lower Upper

105 100

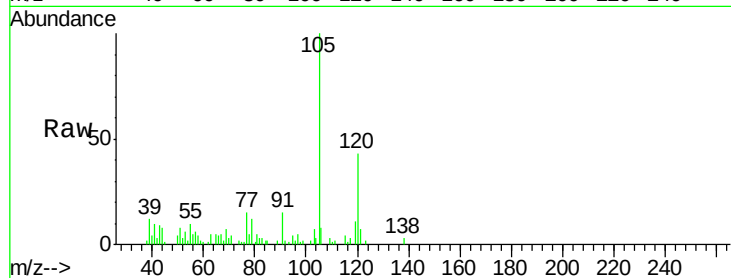
120 115.4 24.1 72.2#

Manual Integrations

APPROVED

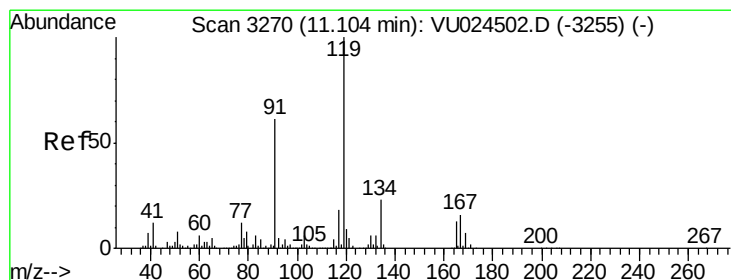
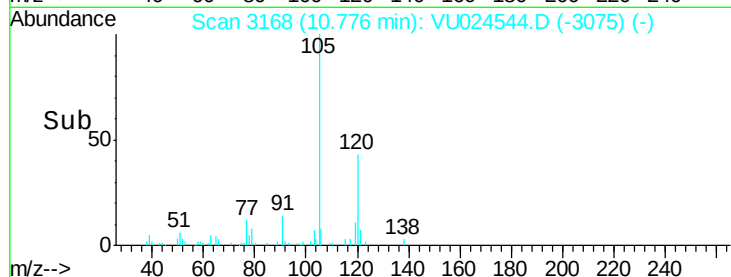
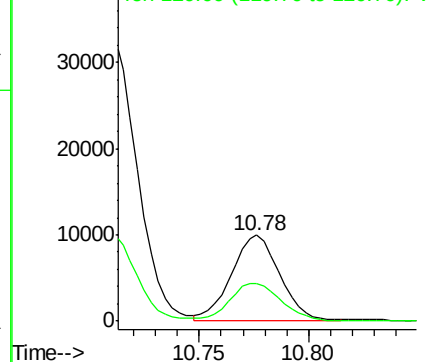
apatel

6/15/2018 3:19:23 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#83

tert-Butylbenzene

Concen: 3.079 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

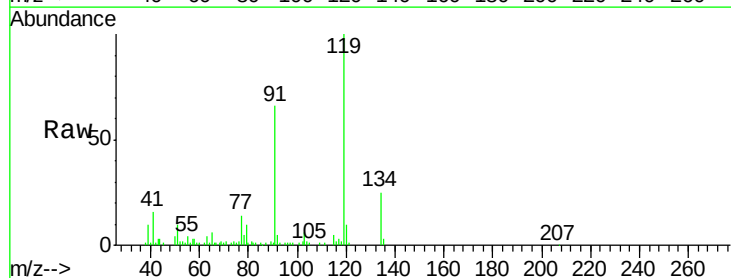
Tgt Ion:119 Resp: 35122

Ion Ratio Lower Upper

119 100

91 66.5 29.7 89.1

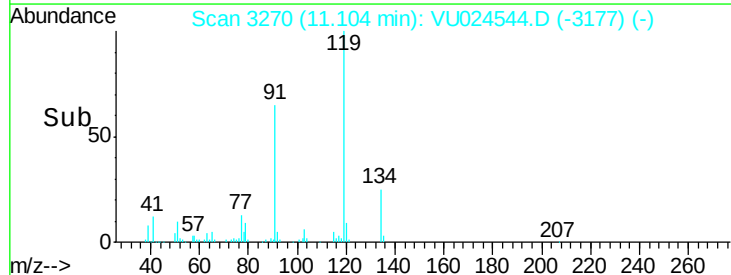
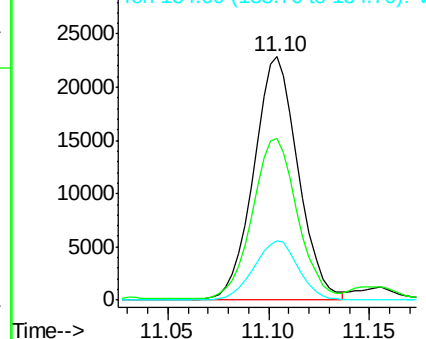
134 24.4 11.6 34.7

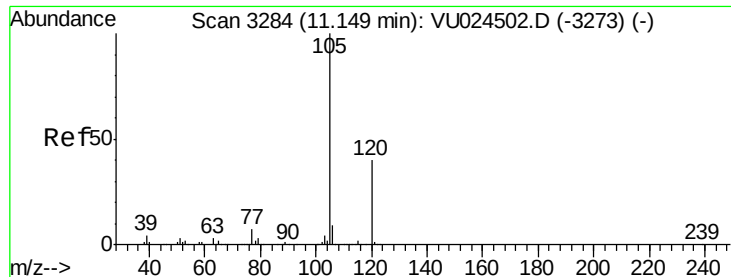


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V





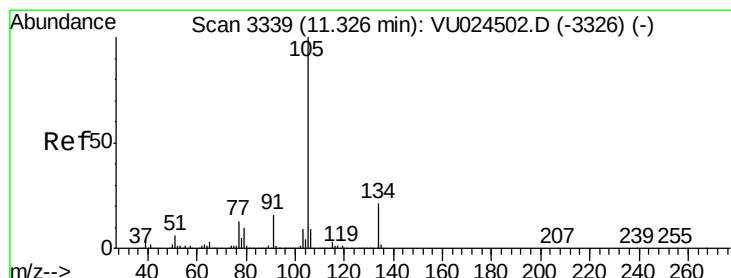
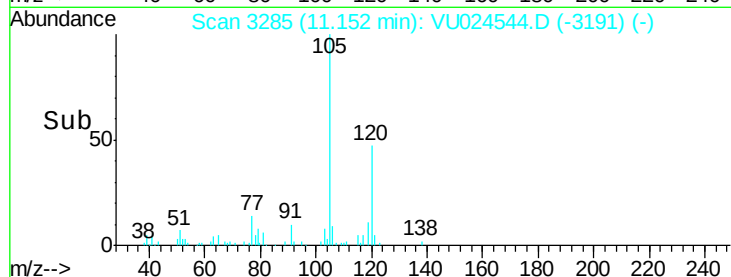
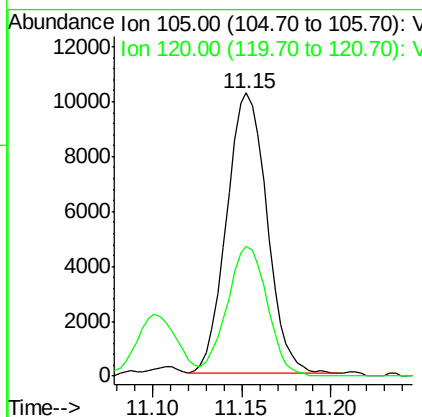
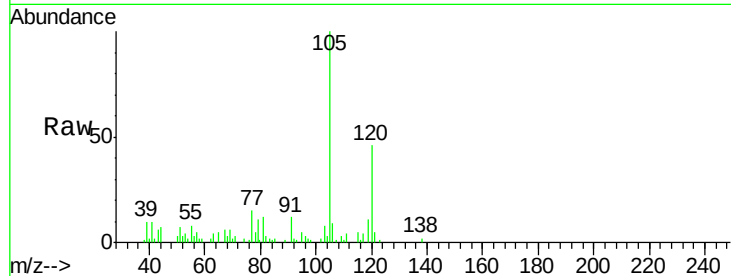
#84
 1,2,4-Trimethylbenzene
 Concen: 1.323 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024544.D
 Acq: 14 Jun 2018 16:53

Instrument :
 MSVOA_U
 ClientSampleId :
 T3-MW-1-9.0-061118

Tot Ion:105 Resp: 15986
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.6 67.8

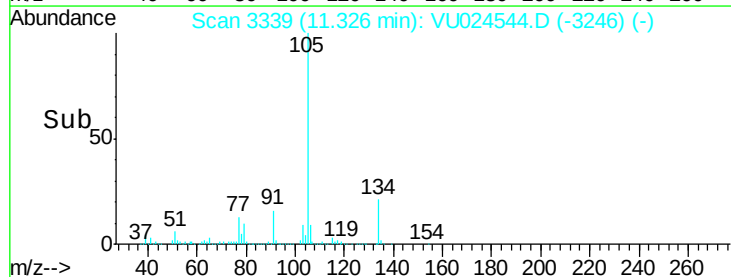
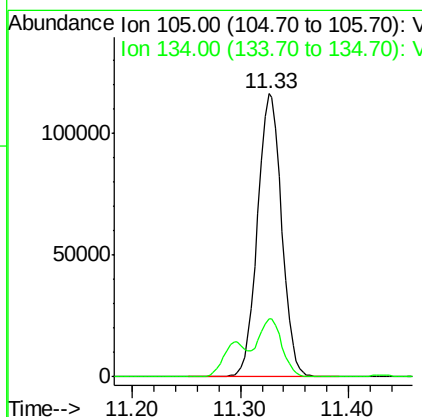
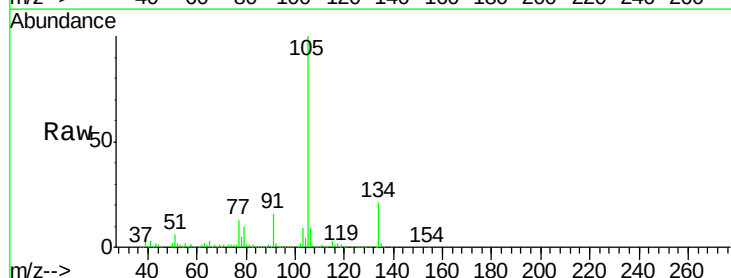
Manual Integrations
 APPROVED

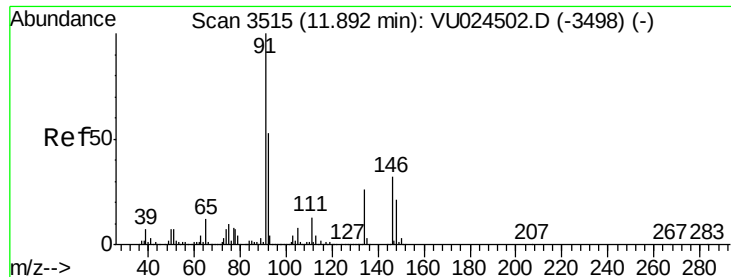
apatel
 6/15/2018 3:19:23 PM



#85
 sec-Butylbenzene
 Concen: 12.640 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU024544.D
 Acq: 14 Jun 2018 16:53

Tgt Ion:105 Resp: 180460
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.7 29.1





#89

n-Butylbenzene

Concen: 9.452 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

Instrument :

MSVOA_U

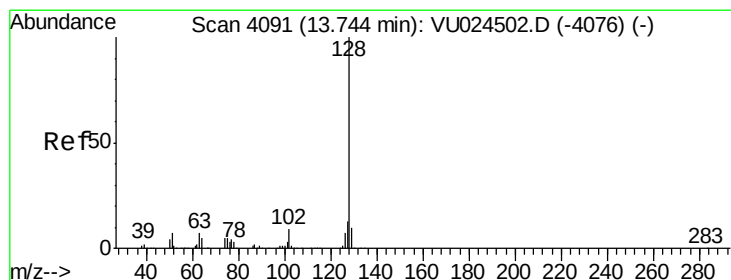
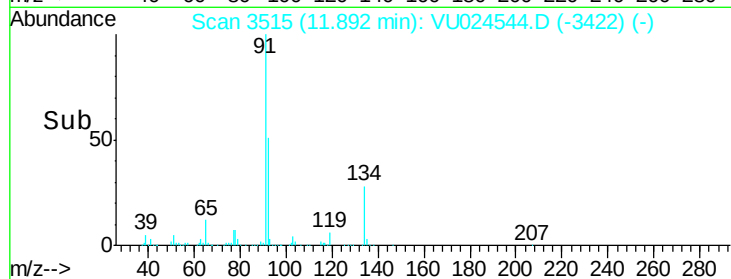
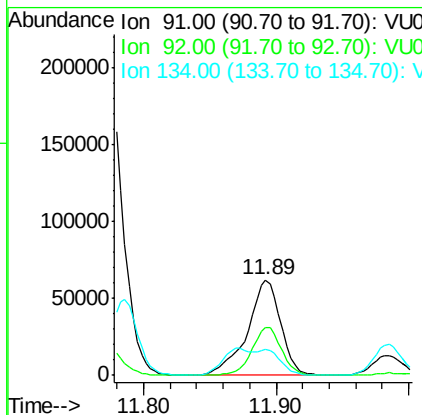
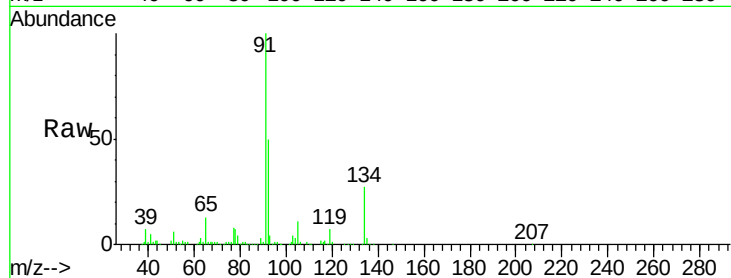
ClientSampleId :

T3-MW-1-9.0-061118

Tot Ion:	91	Resp:	107307
Ion Ratio		Lower	Upper
91	100		
92	44.9	25.6	76.8
134	0.0	12.3	36.8#

Manual Integrations
APPROVED

apatel
6/15/2018 3:19:23 PM



#95

Naphthalene

Concen: 4.377 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

Tgt Ion:	128	Resp:	49111
Ion Ratio		Lower	Upper
128	100		
127	13.8	10.6	16.0
129	15.5	8.6	12.8#

