

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060920\
 Data File : VU038707.D
 Acq On : 09 Jun 2020 07:47
 Operator : SY/MD
 Sample : L2913-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9D83

Manual Integrations
 APPROVED

MMDadoda
 6/10/2020 11:24:11 AM

Quant Time: Jun 09 08:25:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 09 07:55:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	687202	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	692733	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	369315	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	188922	49.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.42%
7) Chloroethane-d5	1.93	69	162384	54.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.04%
11) 1,1-Dichloroethene-d2	2.59	63	289517	34.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.20%
21) 2-Butanone-d5	4.67	46	399707	107.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.01%
24) Chloroform-d	5.10	84	380618	45.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.96%
26) 1,2-Dichloroethane-d4	5.75	65	116605	21.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	42.50%#
32) Benzene-d6	5.80	84	774852	46.43	ug/L	0.04
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.86%
36) 1,2-Dichloropropane-d6	6.73	67	271709	52.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.66%
41) Toluene-d8	7.93	98	815452	54.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.16%
43) trans-1,3-Dichloropropene-	8.20	79	139733	53.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.94%
47) 2-Hexanone-d5	8.65	63	311599	113.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.83%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	432972	56.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.88%
64) 1,2-Dichlorobenzene-d4	12.20	152	350945	54.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.46%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.66	43	71599	23.787	ug/L	93
22) 2-Butanone	4.75	43	127849	27.697	ug/L	100
29) Cyclohexane	5.43	56	2002562	252.675	ug/L	99
33) Benzene	5.79	78	67043250m	3259.101	ug/L	
35) Methylcyclohexane	6.79	83	186903	23.688	ug/L	99
37) 1,2-Dichloropropane	6.82	63	88349	16.481	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	64720	7.723	ug/L	99
42) Toluene	7.98	91	34501831m	1604.049	ug/L	
45) 1,1,2-Trichloroethane	8.42	97	9987	1.936	ug/L	84
48) 2-Hexanone	8.71	43	50406	7.276	ug/L #	95
52) Ethylbenzene	9.58	91	25320015m	1066.623	ug/L	
53) m,p-Xylene	9.72	106	5722671	628.007	ug/L	99
54) o-xylene	10.12	106	6981109	789.167	ug/L	86
56) Isopropylbenzene	10.50	105	981551	42.514	ug/L	99

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

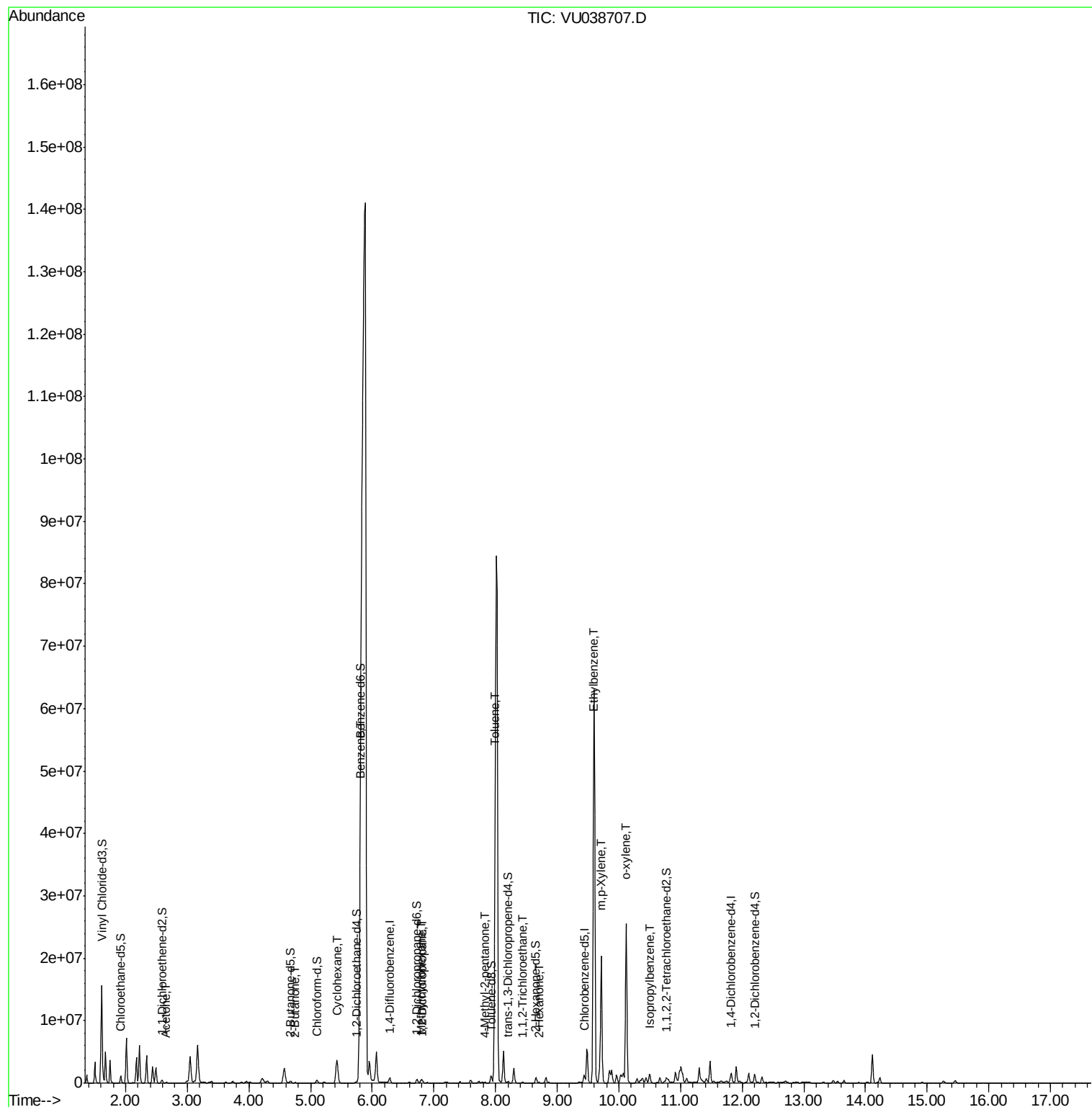
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060920\
Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

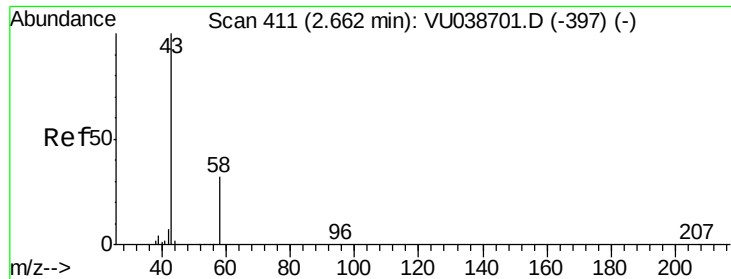
Instrument :
MSVOA_U
ClientSampleId :
F9D83

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Quant Time: Jun 09 08:25:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 09 07:55:51 2020
Response via : Initial Calibration





#13

Acetone

Concen: 23.787 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.00 min

Lab File: VU038707.D

Acq: 09 Jun 2020 07:47

Instrument :

MSVOA_U

ClientSampleId :

F9D83

Tot Ion: 43 Resp: 71599

Ion Ratio Lower Upper

43 100

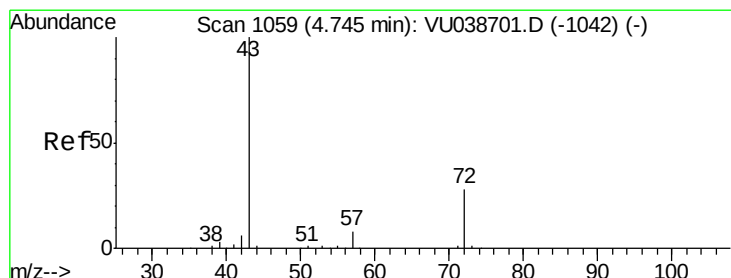
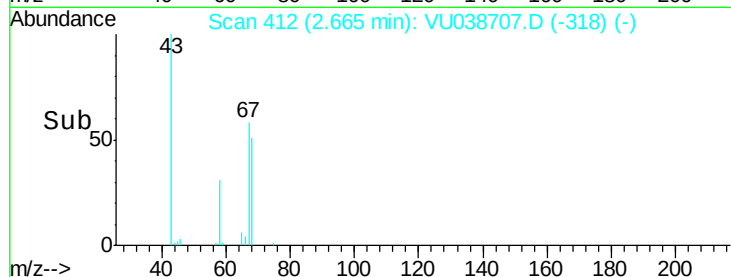
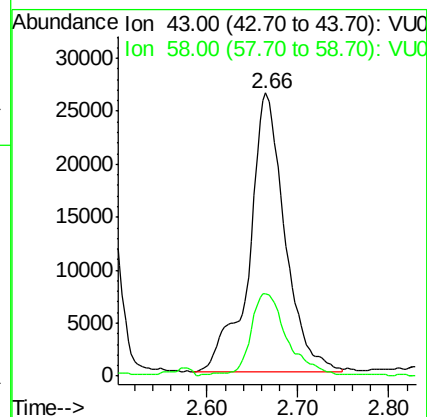
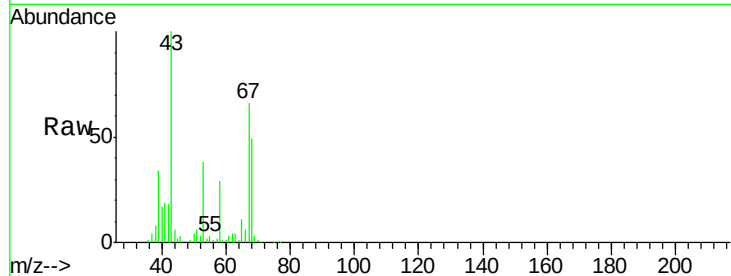
58 30.1 0.0 67.6

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#22

2-Butanone

Concen: 27.697 ug/L

RT: 4.75 min Scan# 1061

Delta R.T. 0.01 min

Lab File: VU038707.D

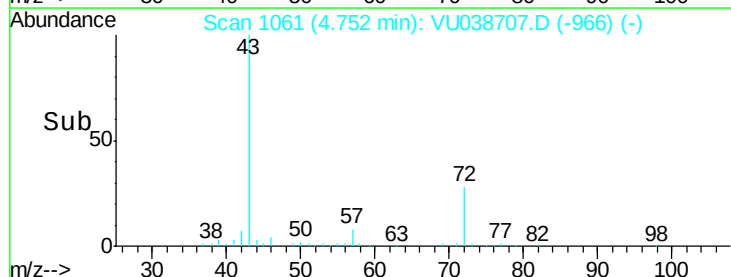
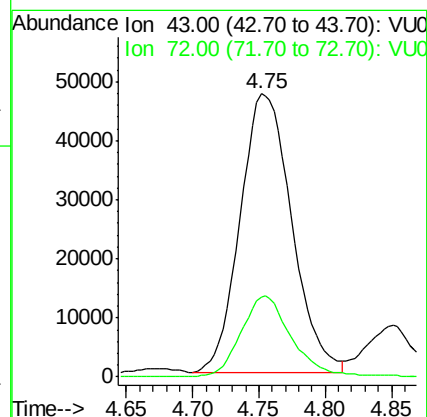
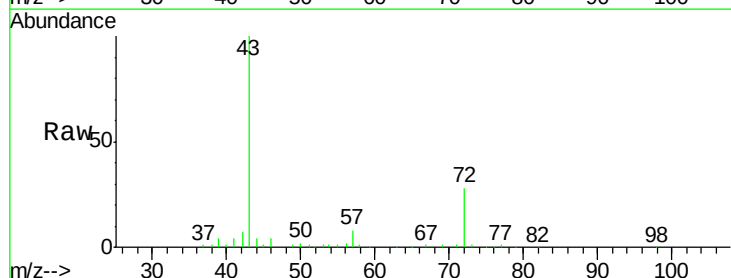
Acq: 09 Jun 2020 07:47

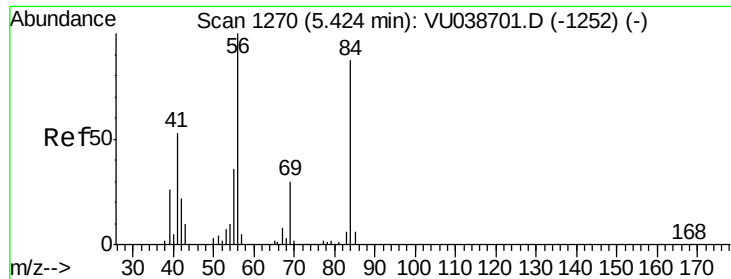
Tgt Ion: 43 Resp: 127849

Ion Ratio Lower Upper

43 100

72 28.3 14.1 42.3





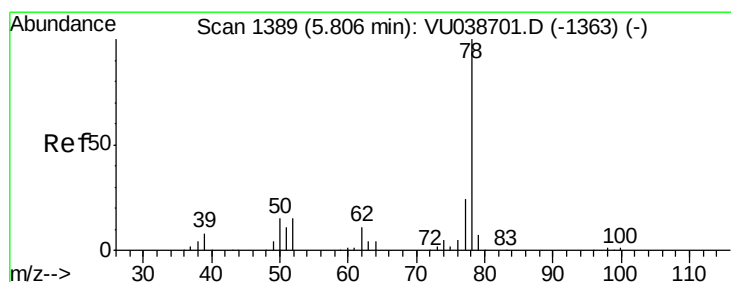
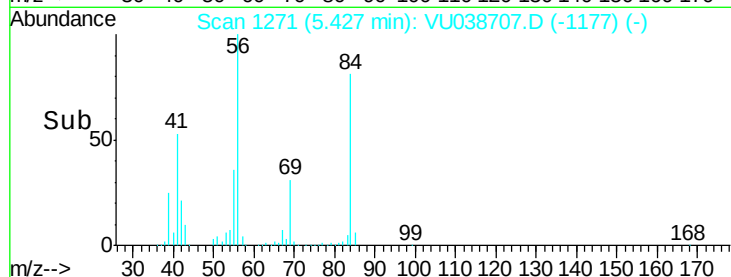
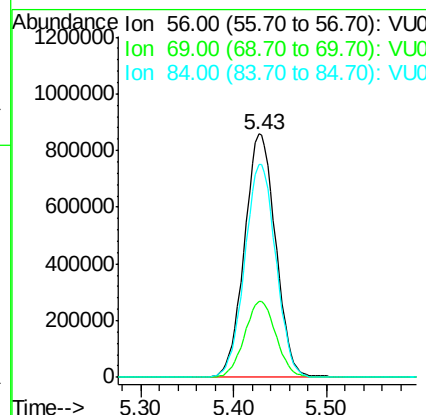
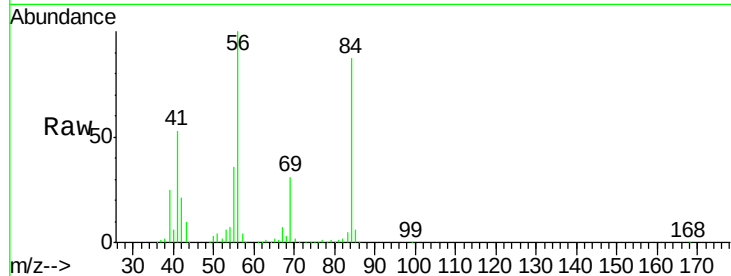
#29
Cyclohexane
Concen: 252.675 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU038707.D
Acq: 09 Jun 2020 07:47

Instrument :
MSVOA_U
ClientSampled :
F9D83

Tot Ion: 56 Resp: 2002562
Ion Ratio Lower Upper
56 100
69 31.5 25.1 37.7
84 87.3 70.5 105.7

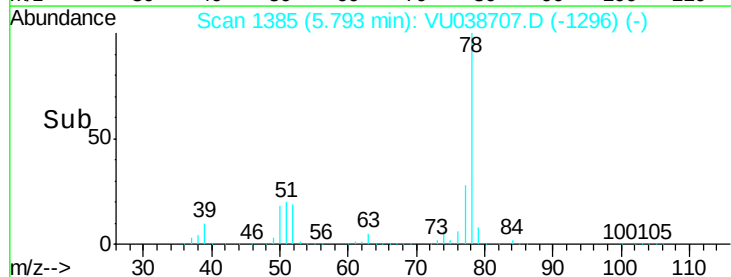
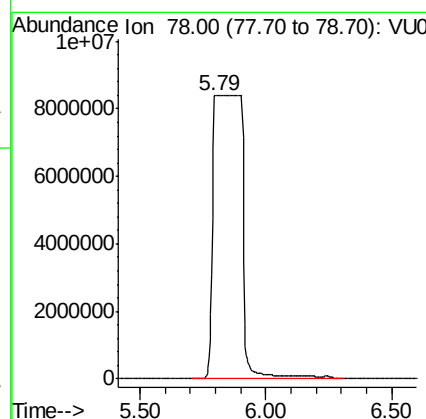
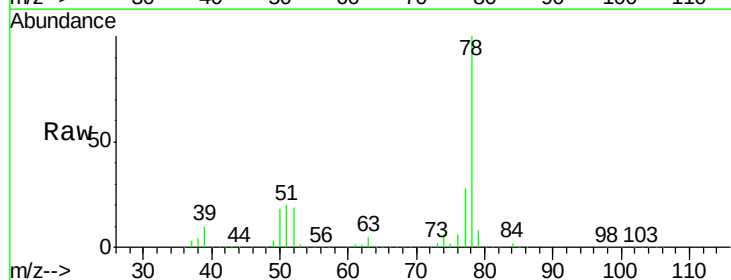
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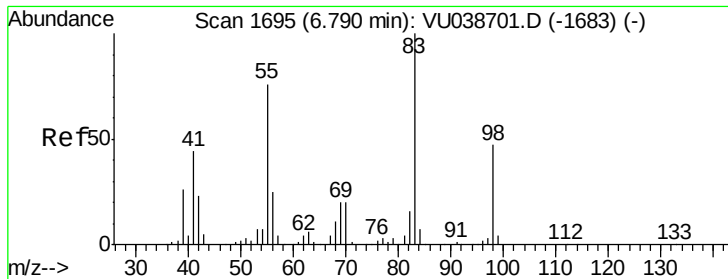
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#33
Benzene
Concen: 3259.101 ug/L m
RT: 5.79 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VU038707.D
Acq: 09 Jun 2020 07:47

Tgt Ion: 78 Resp: 67043250





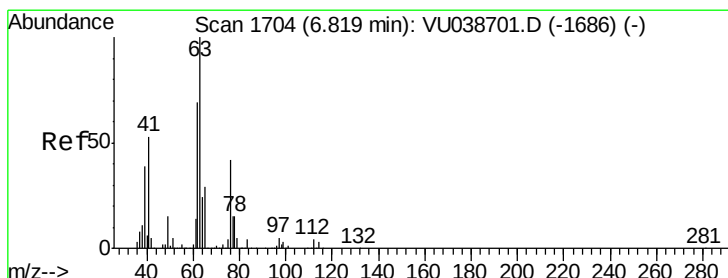
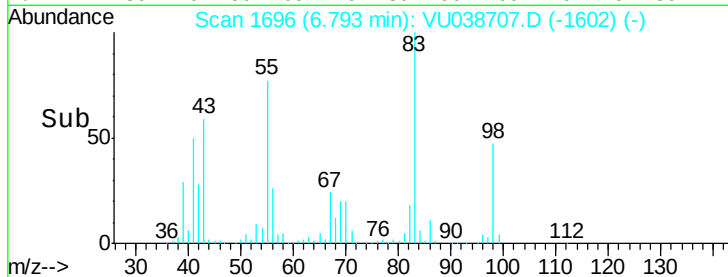
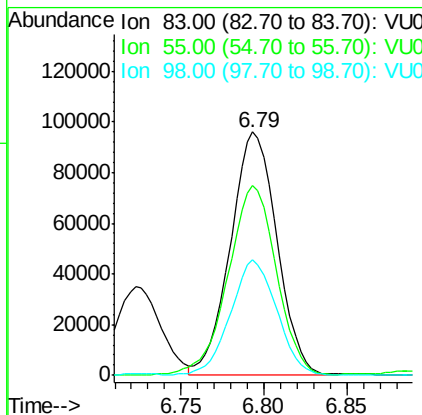
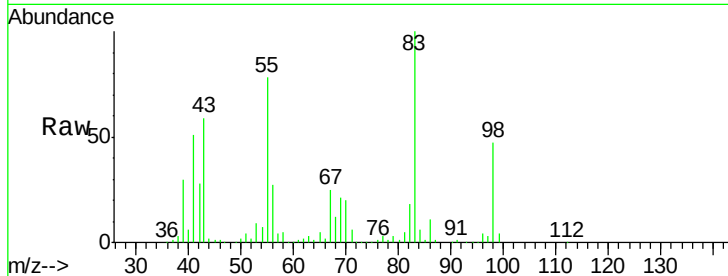
#35
Methylcyclohexane
Concen: 23.688 ug/L
RT: 6.79 min Scan# 1696
Delta R.T. 0.00 min
Lab File: VU038707.D
Acq: 09 Jun 2020 07:47

Instrument :
MSVOA_U
ClientSampleId :
F9D83

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.1	63.2	94.8
98	47.6	38.4	57.6

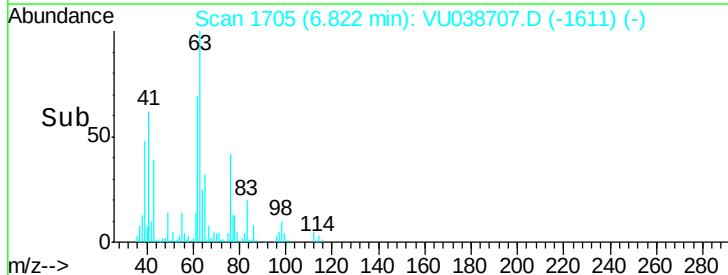
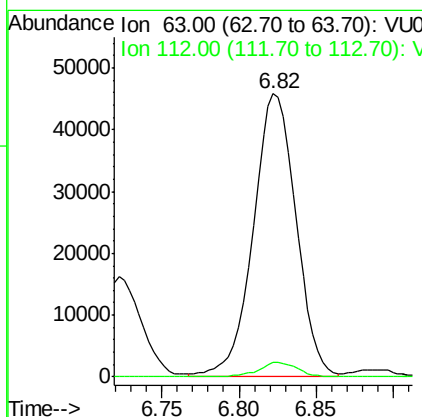
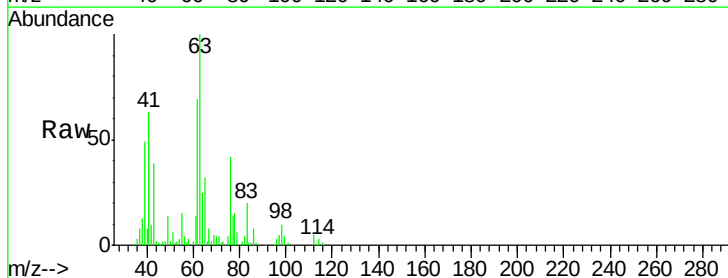
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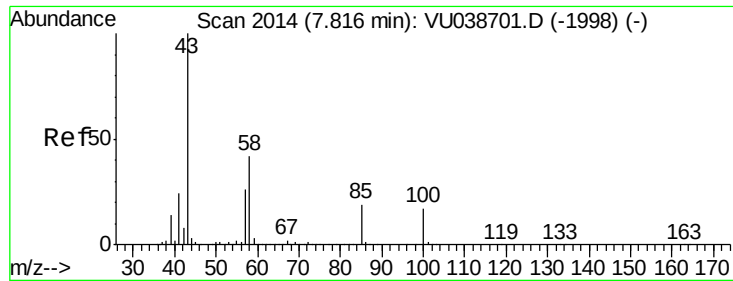
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#37
1,2-Dichloropropane
Concen: 16.481 ug/L
RT: 6.82 min Scan# 1705
Delta R.T. 0.00 min
Lab File: VU038707.D
Acq: 09 Jun 2020 07:47

Tgt Ion	Ratio	Lower	Upper
63	100		
112	4.6	3.4	5.2





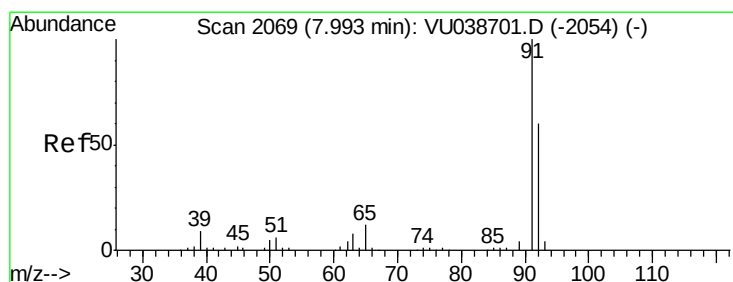
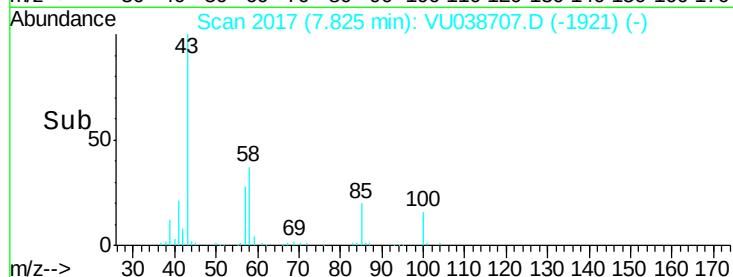
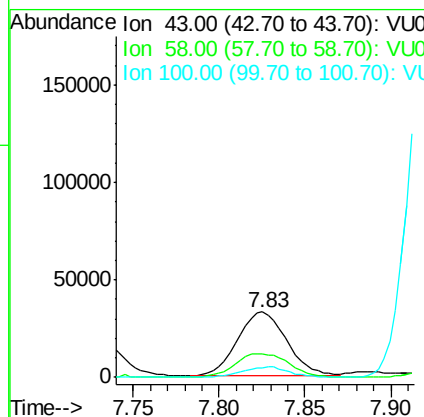
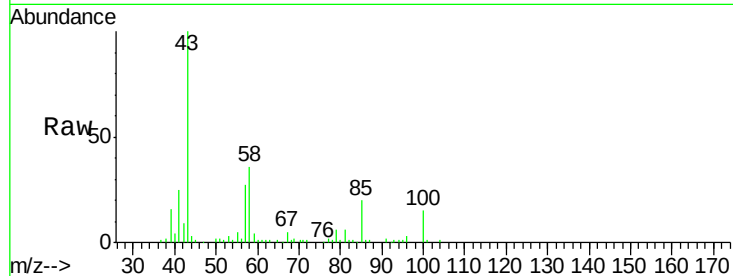
#40
4-Methyl-2-pentanone
Concen: 7.723 ug/L
RT: 7.83 min Scan# 2017
Delta R.T. 0.01 min
Lab File: VU038707.D
Acq: 09 Jun 2020 07:47

Instrument :
MSVOA_U
ClientSampled :
F9D83

Tot Ion	43	58	100
Resp	64720		
Ratio	100	41.0	16.1
Lower		33.0	13.4
Upper		49.4	20.0

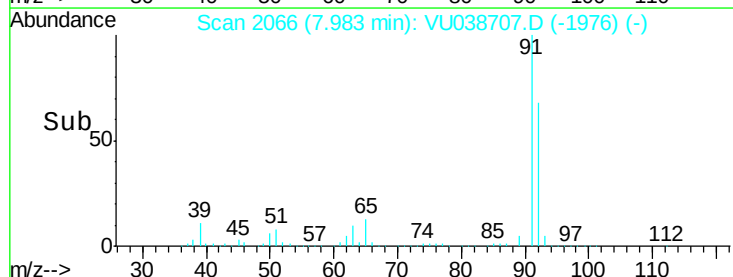
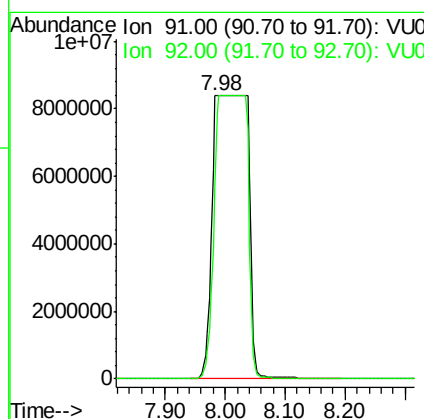
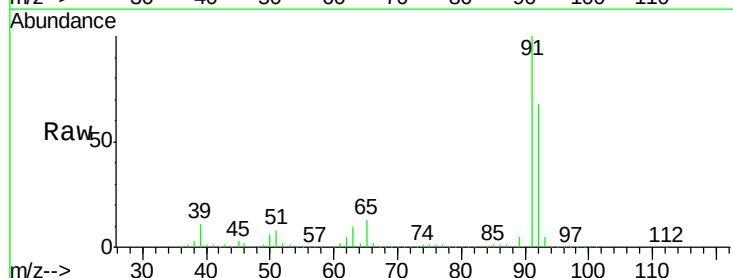
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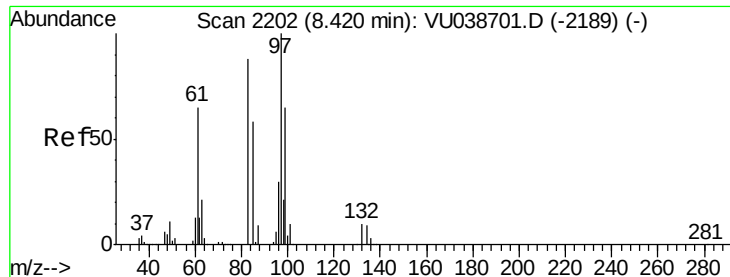
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#42
Toluene
Concen: 1604.049 ug/L m
RT: 7.98 min Scan# 2066
Delta R.T. -0.01 min
Lab File: VU038707.D
Acq: 09 Jun 2020 07:47

Tgt Ion	91	92
Resp	34501831	
Ratio	100	67.7
Lower		42.2
Upper		78.4





#45

1,1,2-Trichloroethane

Concen: 1.936 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. 0.00 min

Lab File: VU038707.D

Acq: 09 Jun 2020 07:47

Instrument :

MSVOA_U

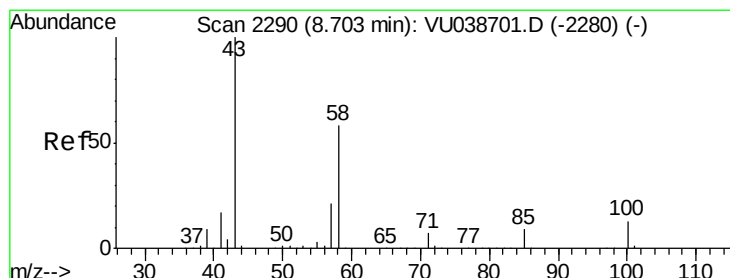
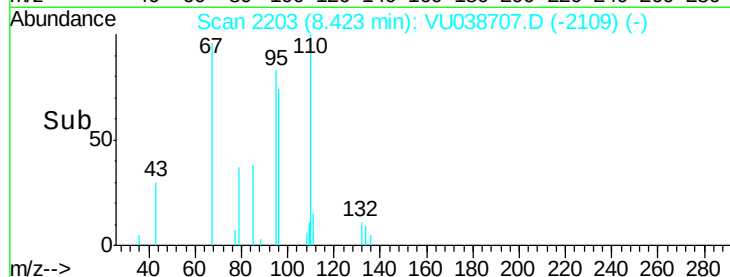
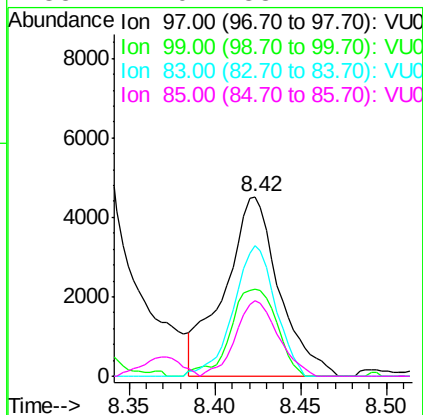
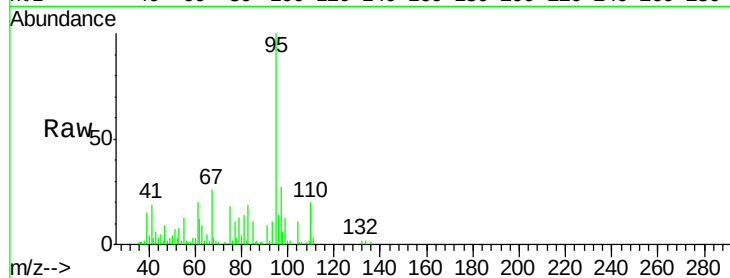
ClientSampleId :

F9D83

Tot Ion:	97	Resp:	9987
Ion	Ratio	Lower	Upper
97	100		
99	48.5	43.6	81.0
83	72.6	60.0	111.4
85	42.0	38.4	71.2

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#48

2-Hexanone

Concen: 7.276 ug/L

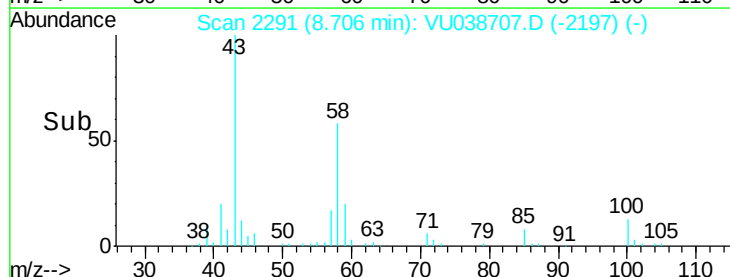
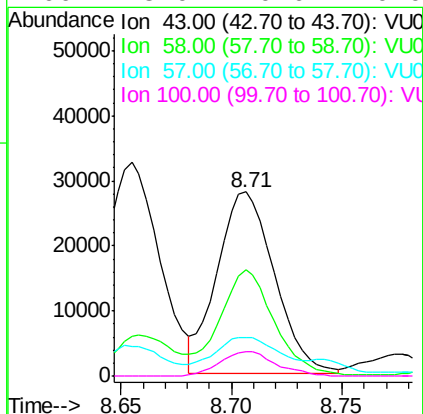
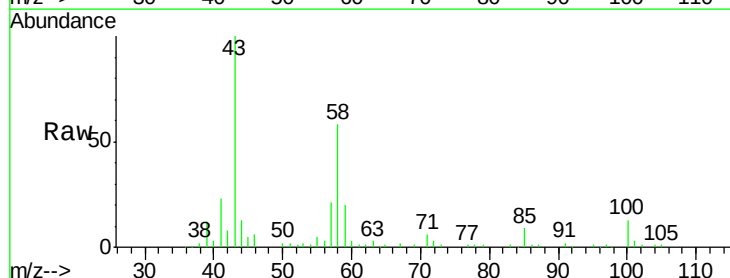
RT: 8.71 min Scan# 2291

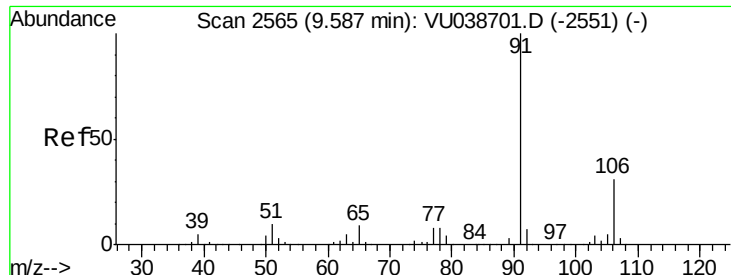
Delta R.T. 0.00 min

Lab File: VU038707.D

Acq: 09 Jun 2020 07:47

Tgt Ion:	43	Resp:	50406
Ion	Ratio	Lower	Upper
43	100		
58	55.8	46.2	69.4
57	14.0	16.6	24.8
100	13.0	10.6	16.0





#52

Ethylbenzene

Concen: 1066.623 ug/L m

RT: 9.58 min Scan# 2563

Delta R.T. -0.01 min

Lab File: VU038707.D

Acq: 09 Jun 2020 07:47

Instrument :

MSVOA_U

ClientSampleID :

F9D83

Tot Ion: 91 Resp: 25320015

Ion Ratio Lower Upper

91 100

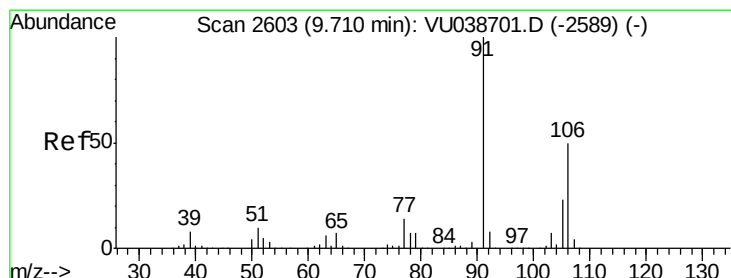
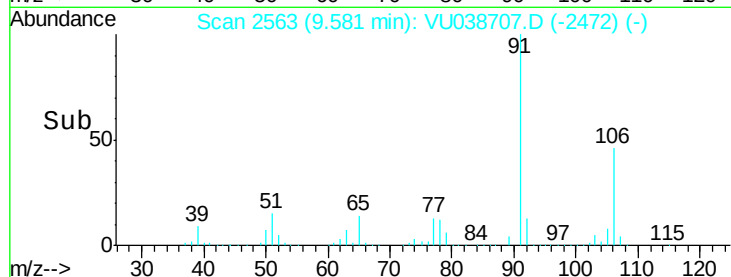
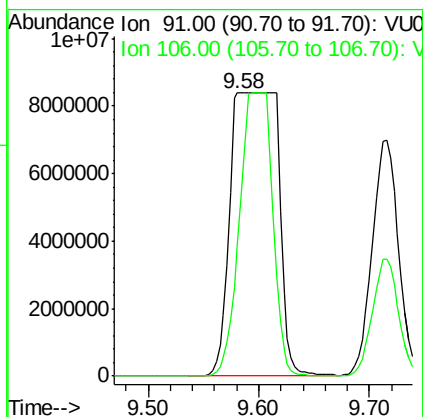
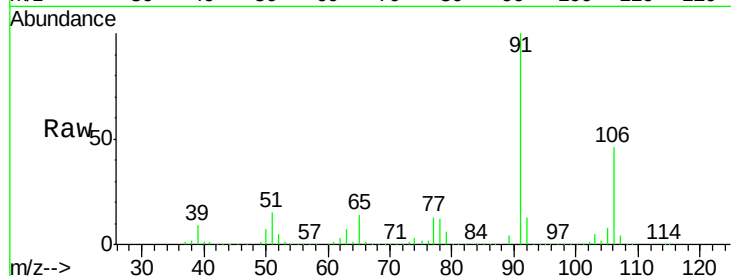
106 45.7 21.5 39.9#

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#53

m,p-Xylene

Concen: 628.007 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. 0.01 min

Lab File: VU038707.D

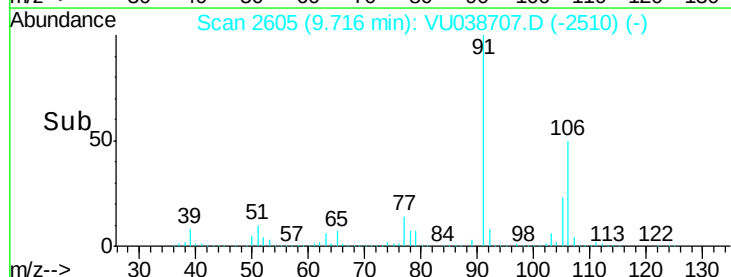
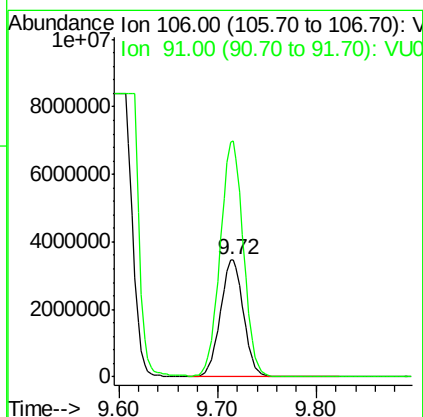
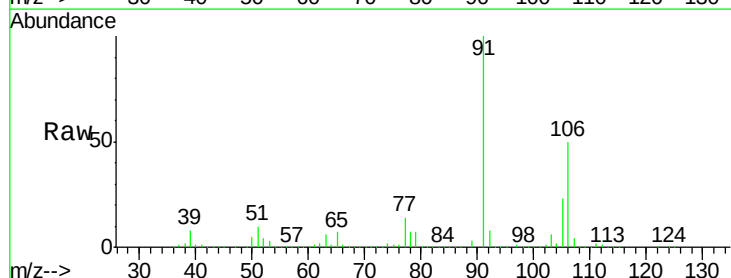
Acq: 09 Jun 2020 07:47

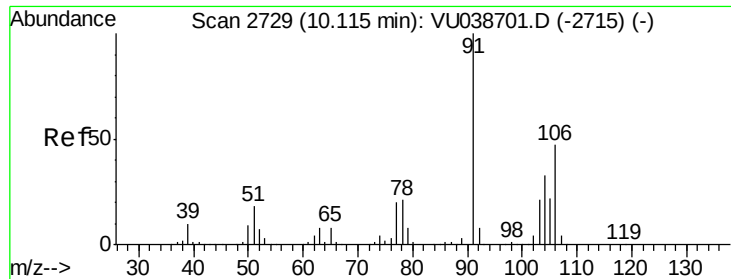
Tgt Ion: 106 Resp: 5722671

Ion Ratio Lower Upper

106 100

91 201.2 140.1 260.3





#54

o-xylene

Concen: 789.167 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. 0.01 min

Lab File: VU038707.D

Acq: 09 Jun 2020 07:47

Instrument :

MSVOA_U

ClientSampled :

F9D83

Tot Ion:106 Resp: 6981109

Ion Ratio Lower Upper

106 100

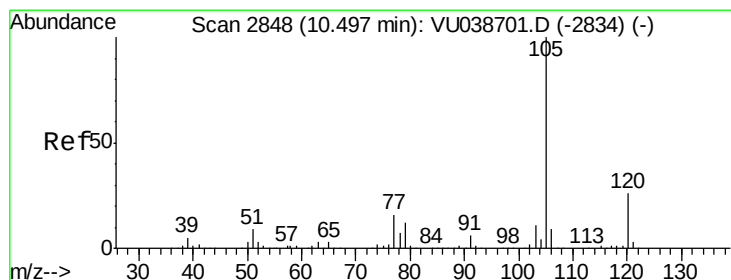
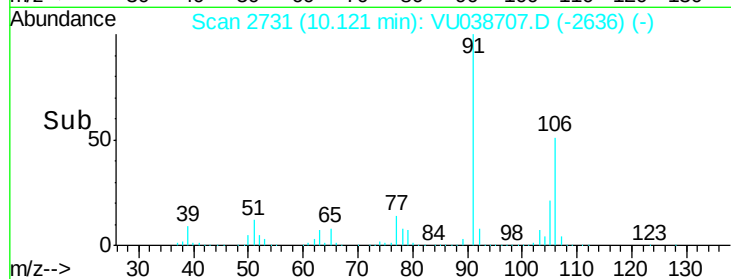
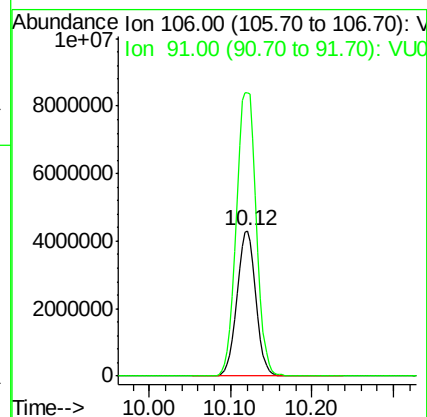
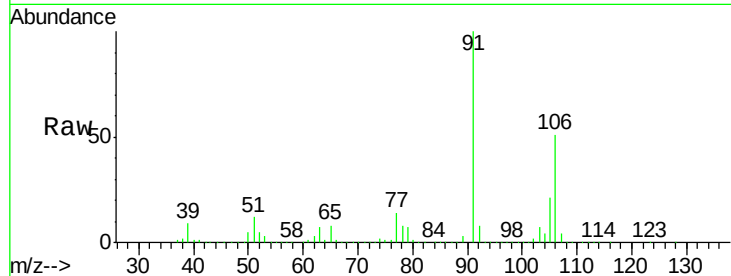
91 194.5 151.2 280.8

Manual Integrations

APPROVED

MMDadoda

6/10/2020 11:24:11 AM



#56

Isopropylbenzene

Concen: 42.514 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038707.D

Acq: 09 Jun 2020 07:47

Tgt Ion:105 Resp: 981551

Ion Ratio Lower Upper

105 100

120 25.6 20.9 31.3

77 16.0 12.6 19.0

