

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060920\
 Data File : VU038708.D
 Acq On : 09 Jun 2020 08:10
 Operator : SY/MD
 Sample : L2913-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9D84

Manual Integrations
 APPROVED

MMDadoda
 6/10/2020 11:24:17 AM

Quant Time: Jun 10 00:53:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 10 00:33:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	755900	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	734448	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	379623	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	232274	55.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	110.00%
7) Chloroethane-d5	1.93	69	196604	60.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	120.02%
11) 1,1-Dichloroethene-d2	2.59	63	336374	36.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.10%
21) 2-Butanone-d5	4.67	46	456770	111.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.17%
24) Chloroform-d	5.10	84	426749	46.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.74%
26) 1,2-Dichloroethane-d4	5.75	65	135261	22.41	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	44.82%#
32) Benzene-d6	5.80	84	872296	49.31	ug/L	0.04
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.62%
36) 1,2-Dichloropropane-d6	6.72	67	303786	55.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.44%
41) Toluene-d8	7.92	98	883477	55.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.52%
43) trans-1,3-Dichloropropene-	8.20	79	152135	55.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.84%
47) 2-Hexanone-d5	8.65	63	343314	118.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.29%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	448962	55.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	356596	54.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.66	43	68726	20.758	ug/L	94
19) 1,1-Dichloroethane	3.92	63	9906	0.999	ug/L	96
22) 2-Butanone	4.75	43	112929	22.241	ug/L	97
29) Cyclohexane	5.43	56	1680404	199.984	ug/L	100
33) Benzene	5.79	78	66586921m	3053.069	ug/L	
35) Methylcyclohexane	6.79	83	146848	17.554	ug/L	98
37) 1,2-Dichloropropane	6.82	63	125830	22.140	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	42313	4.762	ug/L	99
42) Toluene	7.98	91	30777675m	1349.634	ug/L	
45) 1,1,2-Trichloroethane	8.42	97	10598	1.937	ug/L	88
48) 2-Hexanone	8.71	43	49625	6.757	ug/L #	95
52) Ethylbenzene	9.58	91	23889157m	949.189	ug/L	
53) m,p-Xylene	9.71	106	4094355	423.795	ug/L	99
54) o-xylene	10.12	106	5679361	605.548	ug/L	98
56) Isopropylbenzene	10.50	105	785541	32.092	ug/L	99

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

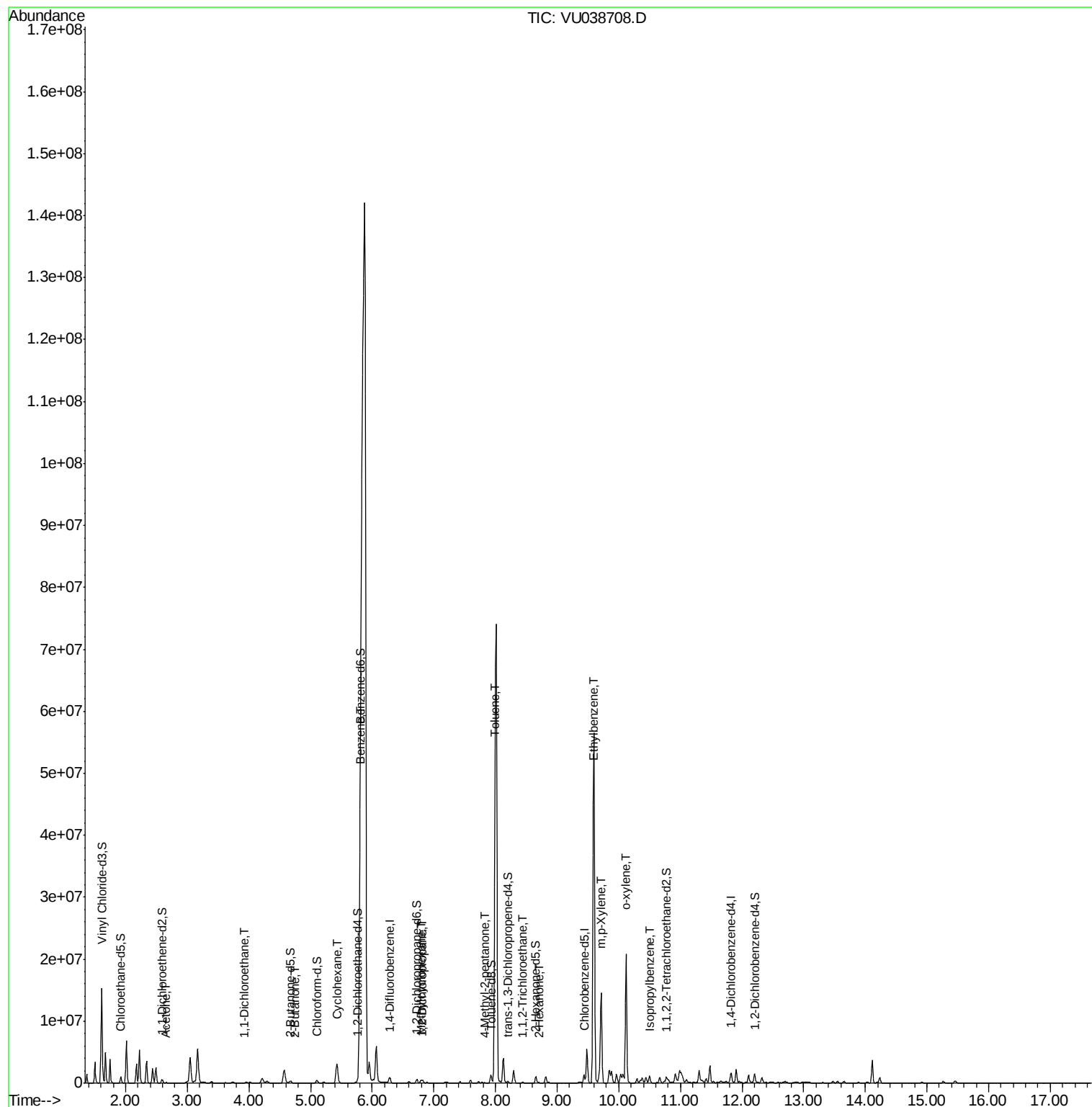
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060920\
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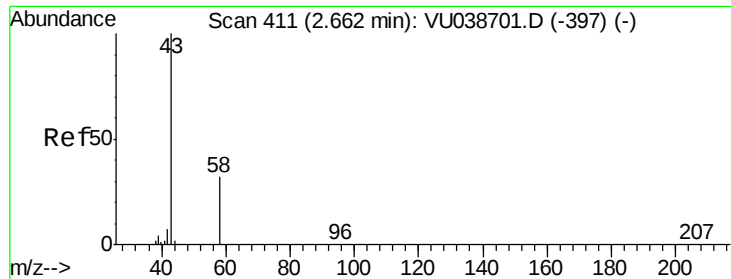
Instrument :
MSVOA_U
ClientSampleId :
F9D84

Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis
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Response via : Initial Calibration





#13

Acetone

Concen: 20.758 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.00 min

Lab File: VU038708.D

Acq: 09 Jun 2020 08:10

Instrument :

MSVOA_U

ClientSampled :

F9D84

Tot Ion: 43 Resp: 68726

Ion Ratio Lower Upper

43 100

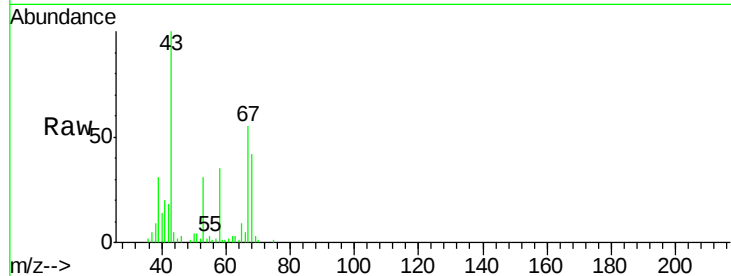
58 30.2 0.0 67.6

Manual Integrations

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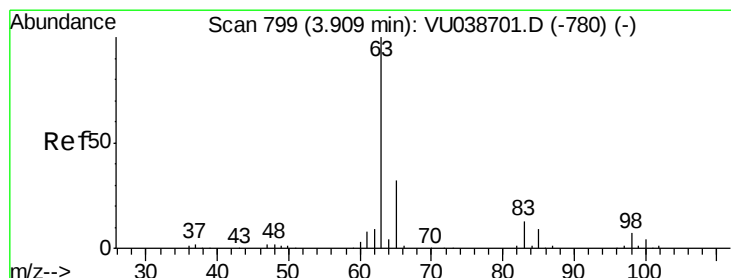
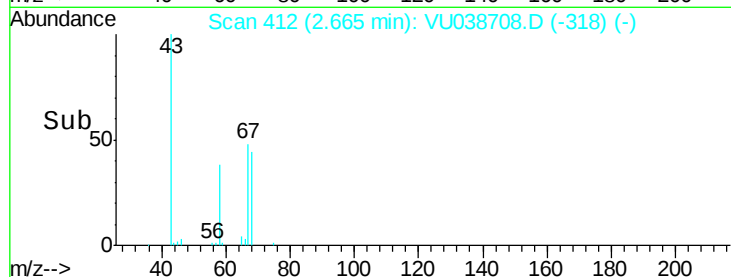
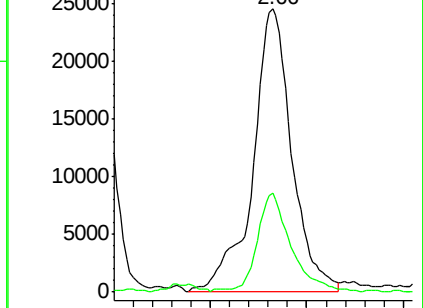
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Abundance Ion 43.00 (42.70 to 43.70): VU038708.D (-318) (-)

Ion 58.00 (57.70 to 58.70): VU038708.D (-318) (-)



#19

1,1-Dichloroethane

Concen: 0.999 ug/L

RT: 3.92 min Scan# 801

Delta R.T. 0.01 min

Lab File: VU038708.D

Acq: 09 Jun 2020 08:10

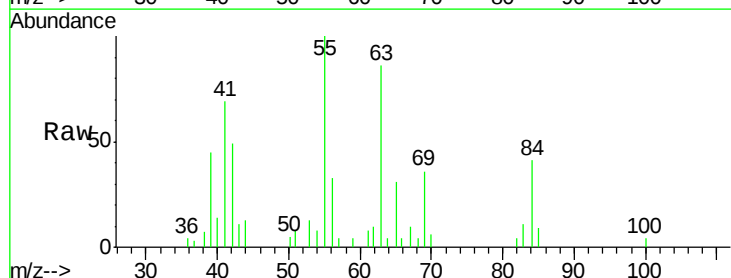
Tgt Ion: 63 Resp: 9906

Ion Ratio Lower Upper

63 100

65 35.6 23.0 42.8

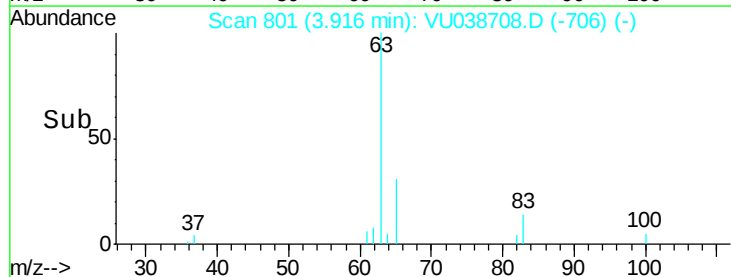
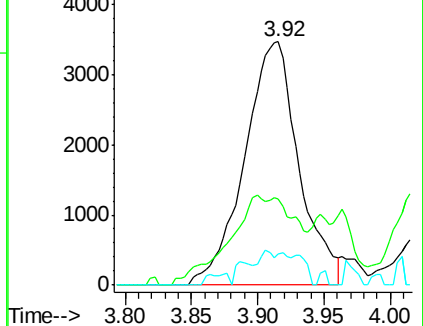
83 12.8 9.2 17.2

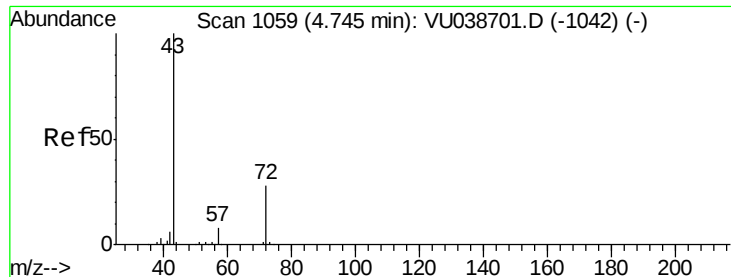


Abundance Ion 63.00 (62.70 to 63.70): VU038708.D (-706) (-)

Ion 65.00 (64.70 to 65.70): VU038708.D (-706) (-)

Ion 83.00 (82.70 to 83.70): VU038708.D (-706) (-)





#22

2-Butanone

Concen: 22.241 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. 0.01 min

Lab File: VU038708.D

Acq: 09 Jun 2020 08:10

Instrument :

MSVOA_U

ClientSampleId :

F9D84

Tot Ion: 43 Resp: 112929

Ion Ratio Lower Upper

43 100

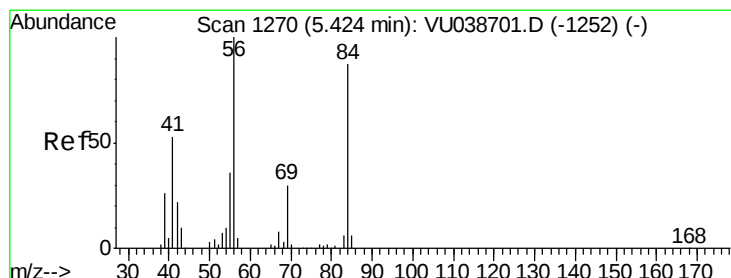
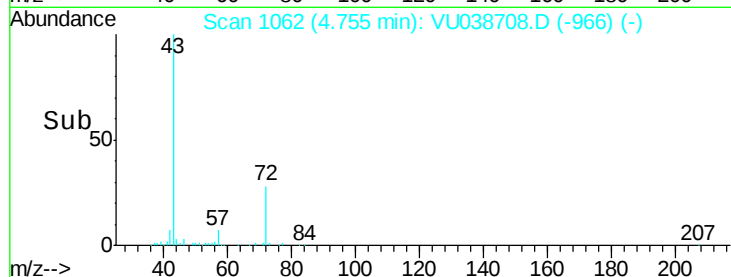
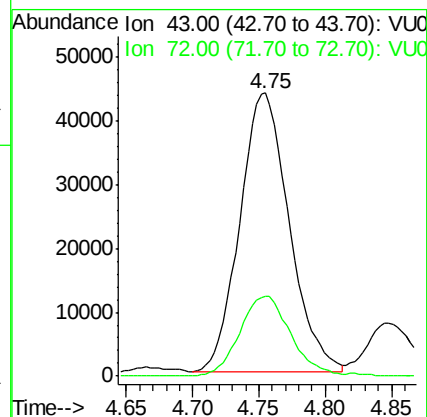
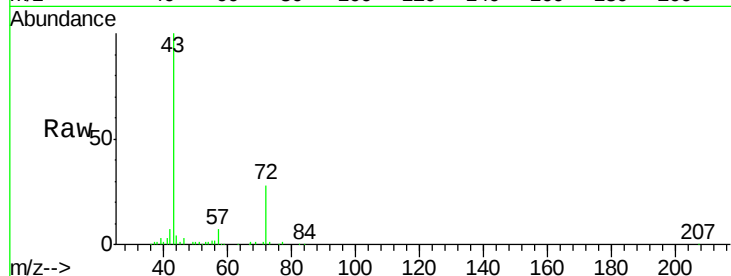
72 29.6 14.1 42.3

Manual Integrations

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#29

Cyclohexane

Concen: 199.984 ug/L

RT: 5.43 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU038708.D

Acq: 09 Jun 2020 08:10

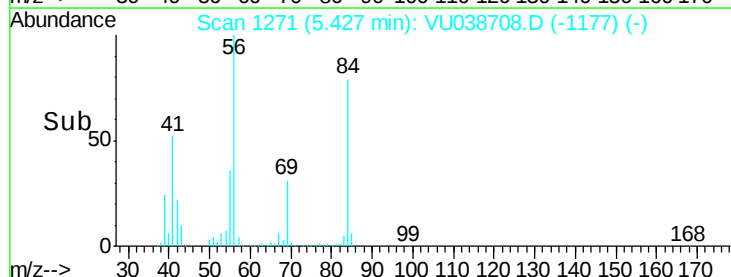
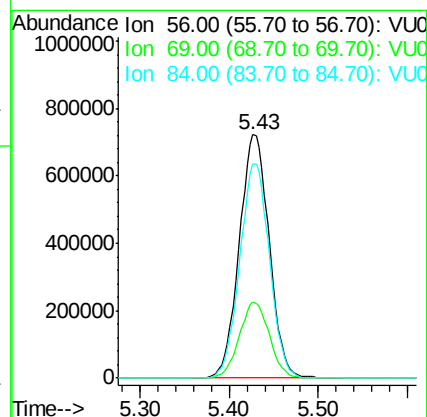
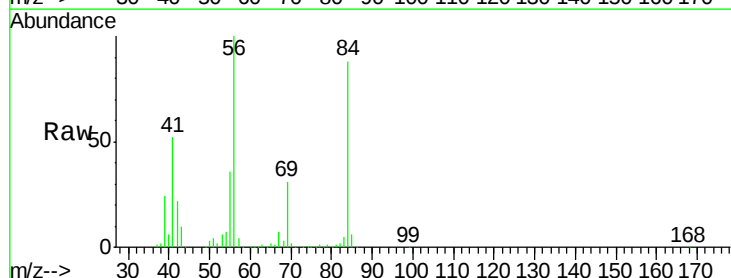
Tgt Ion: 56 Resp: 1680404

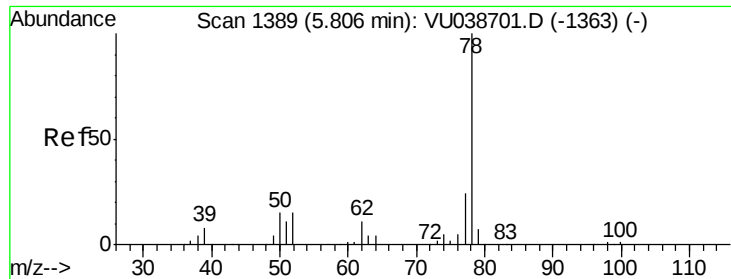
Ion Ratio Lower Upper

56 100

69 31.5 25.1 37.7

84 87.6 70.5 105.7





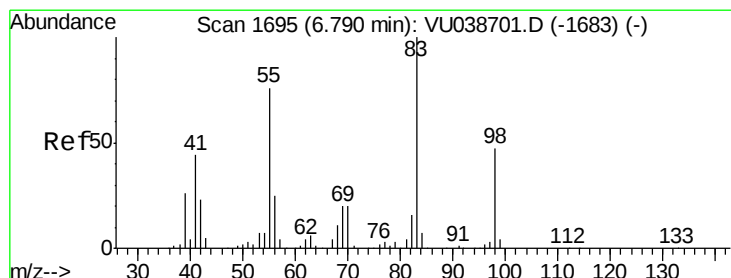
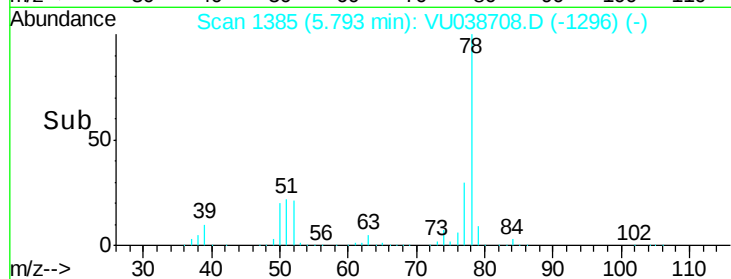
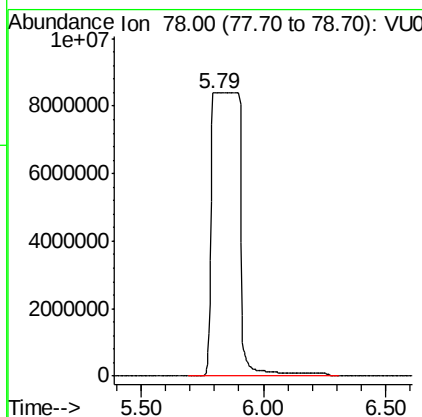
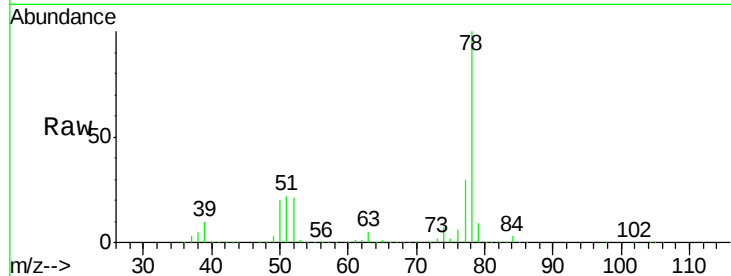
#33
Benzene
Concen: 3053.069 ug/L m
RT: 5.79 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VU038708.D
Acq: 09 Jun 2020 08:10

Instrument :
MSVOA_U
ClientSampleId :
F9D84

Tgt Ion: 78 Resp:66586921

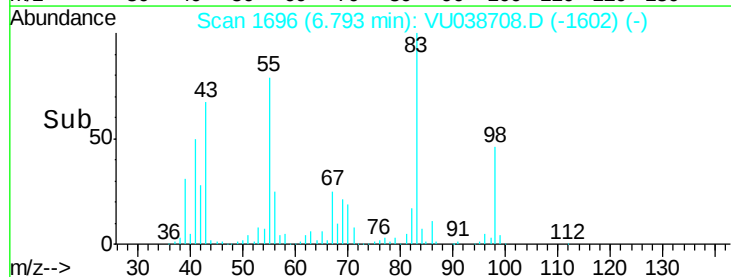
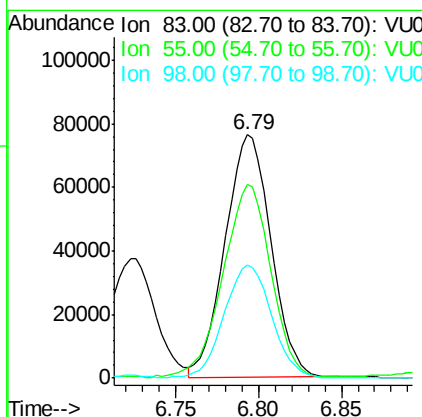
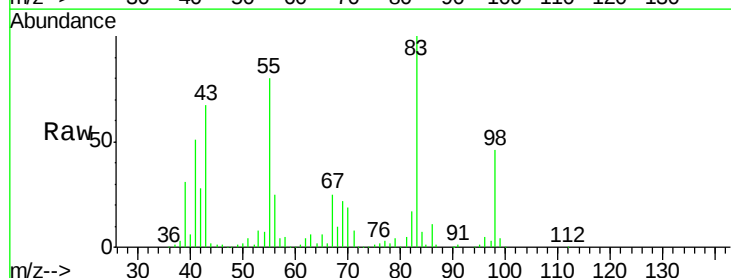
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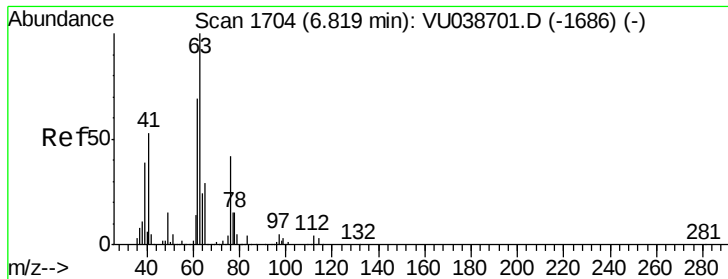
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#35
Methylcyclohexane
Concen: 17.554 ug/L
RT: 6.79 min Scan# 1696
Delta R.T. 0.00 min
Lab File: VU038708.D
Acq: 09 Jun 2020 08:10

Tgt Ion: 83 Resp: 146848
Ion Ratio Lower Upper
83 100
55 82.4 63.2 94.8
98 48.2 38.4 57.6





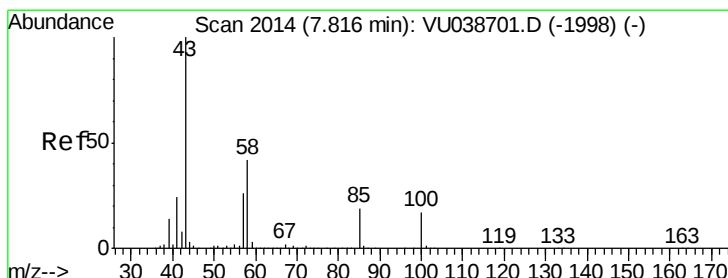
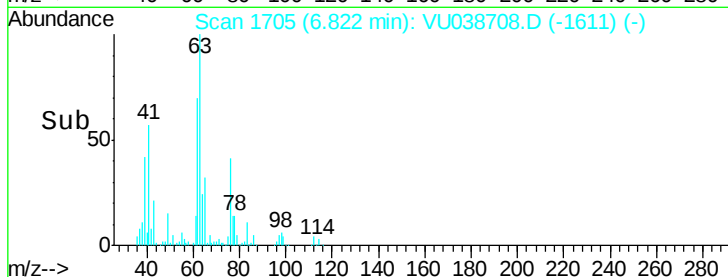
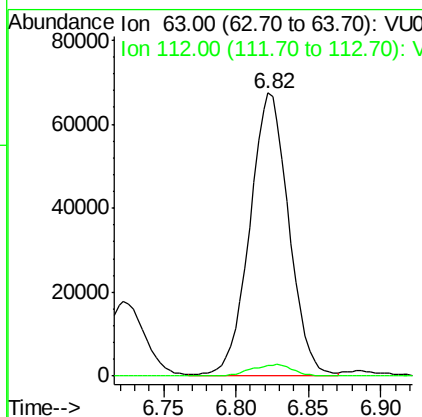
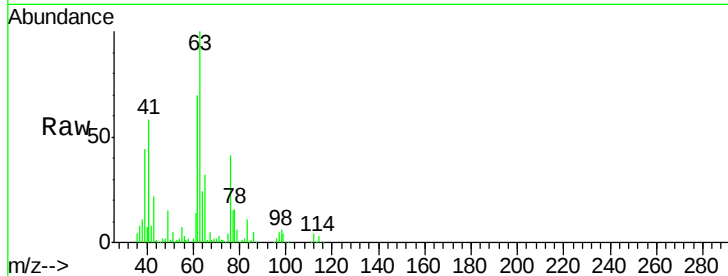
#37
 1,2-Dichloropropane
 Concen: 22.140 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038708.D
 Acq: 09 Jun 2020 08:10

Instrument :
 MSVOA_U
 ClientSampleId :
 F9D84

Tot Ion	Ratio	Lower	Upper
63	100		
112	4.4	3.4	5.2

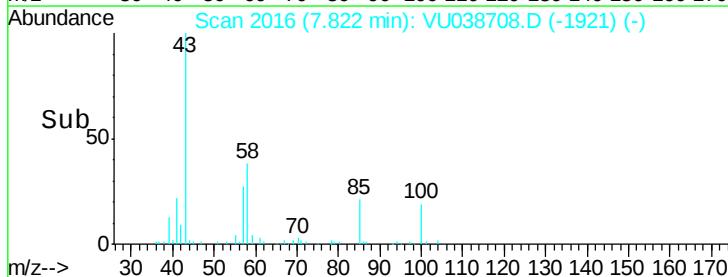
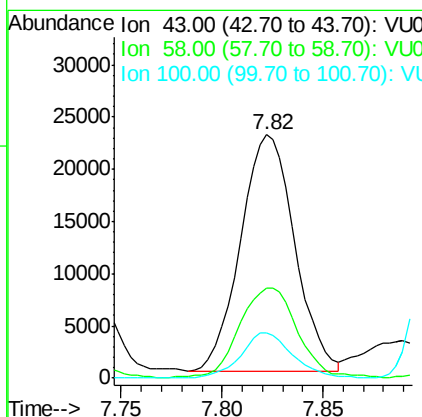
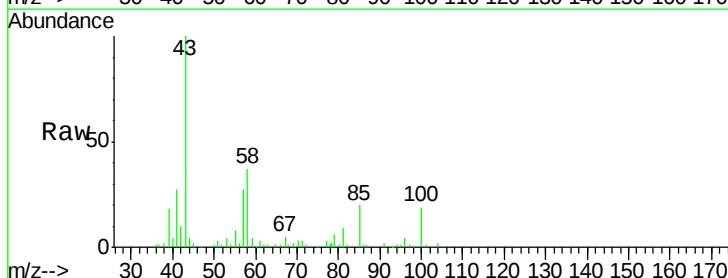
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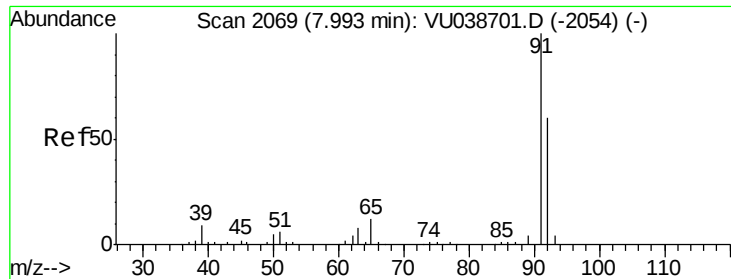
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#40
 4-Methyl-2-pentanone
 Concen: 4.762 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. 0.01 min
 Lab File: VU038708.D
 Acq: 09 Jun 2020 08:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.3	33.0	49.4
100	18.4	13.4	20.0





#42

Toluene

Concen: 1349.634 ug/L m

RT: 7.98 min Scan# 2066

Delta R.T. -0.01 min

Lab File: VU038708.D

Acq: 09 Jun 2020 08:10

Instrument :

MSVOA_U

ClientSampleId :

F9D84

Tot Ion: 91 Resp: 30777675

Ion Ratio Lower Upper

91 100

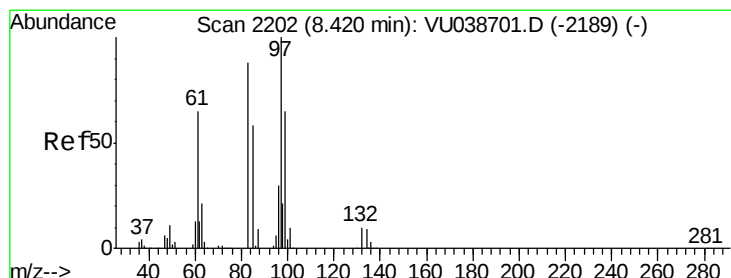
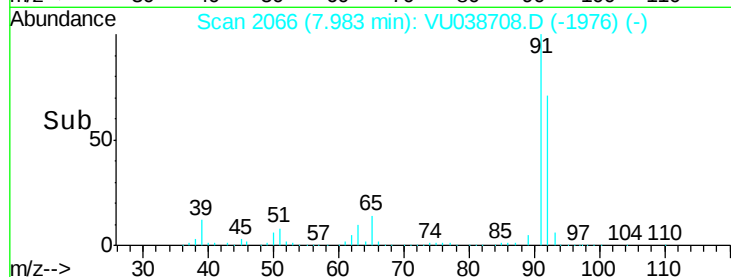
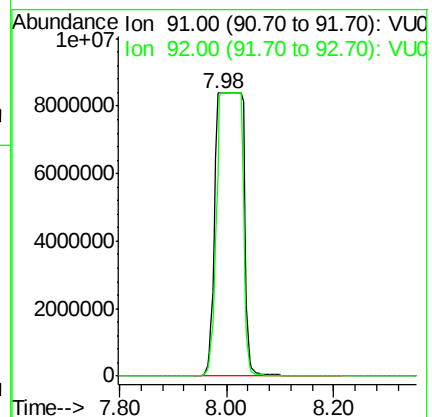
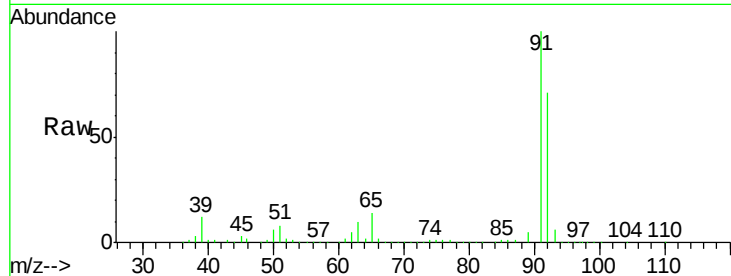
92 71.4 42.2 78.4

Manual Integrations

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#45

1,1,2-Trichloroethane

Concen: 1.937 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. 0.00 min

Lab File: VU038708.D

Acq: 09 Jun 2020 08:10

Tgt Ion: 97 Resp: 10598

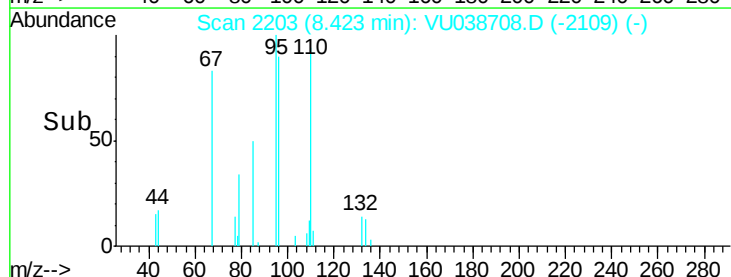
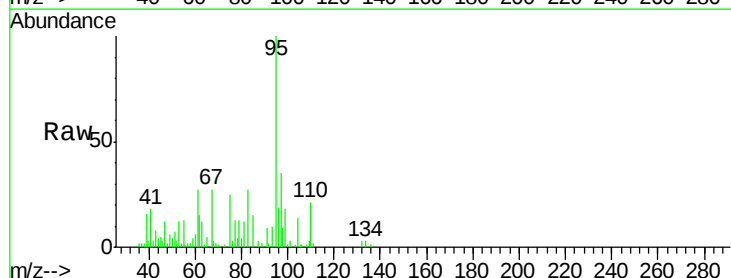
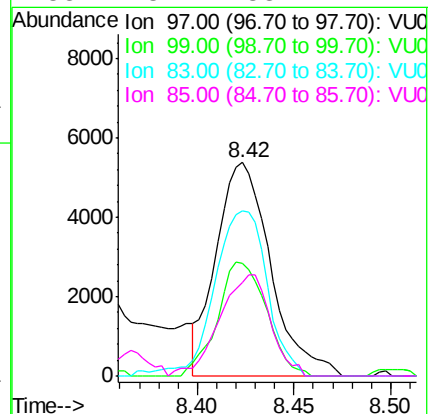
Ion Ratio Lower Upper

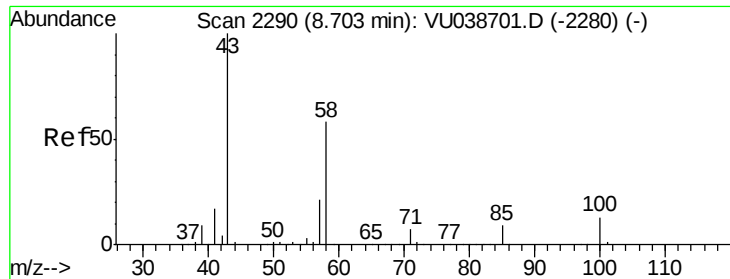
97 100

99 52.9 43.6 81.0

83 77.4 60.0 111.4

85 43.7 38.4 71.2





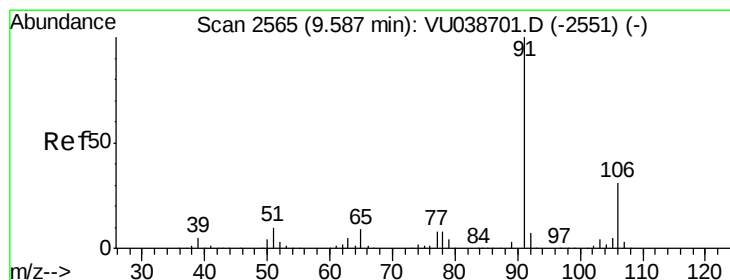
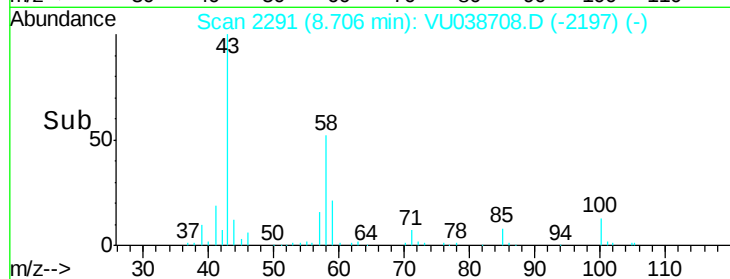
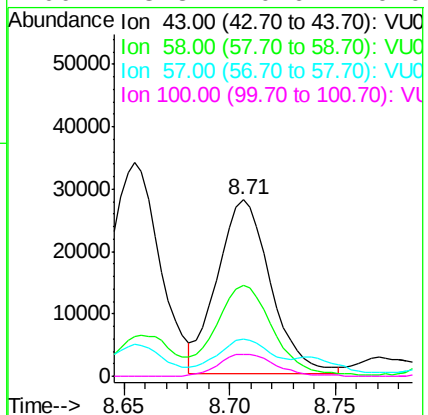
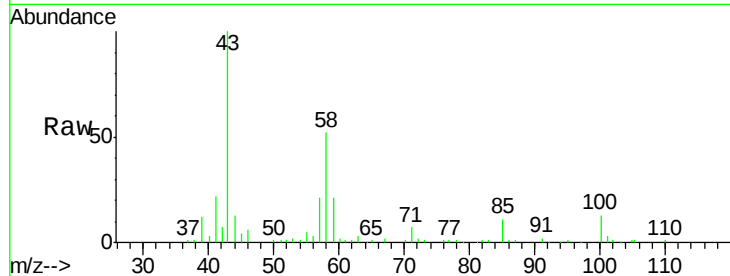
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2-Hexanone
Concen: 6.757 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU038708.D
Acq: 09 Jun 2020 08:10

Instrument :
MSVOA_U
ClientSampled :
F9D84

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.3	46.2	69.4
57	14.2	16.6	24.8
100	13.3	10.6	16.0

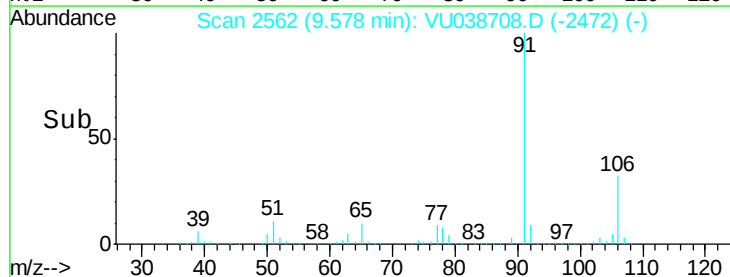
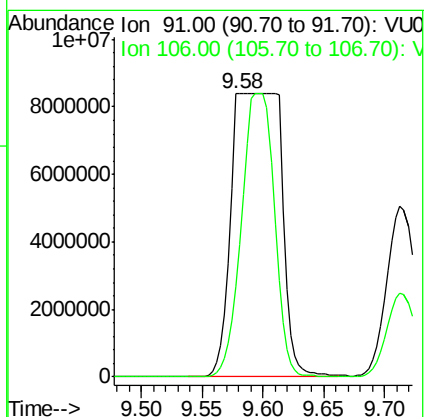
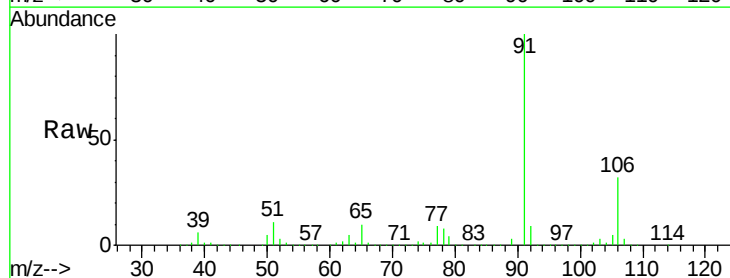
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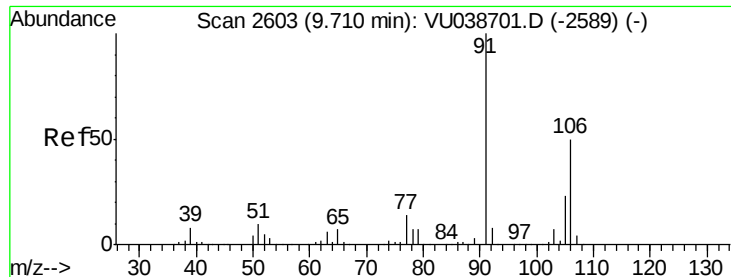
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#52
Ethylbenzene
Concen: 949.189 ug/L m
RT: 9.58 min Scan# 2562
Delta R.T. -0.01 min
Lab File: VU038708.D
Acq: 09 Jun 2020 08:10

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.9	21.5	39.9





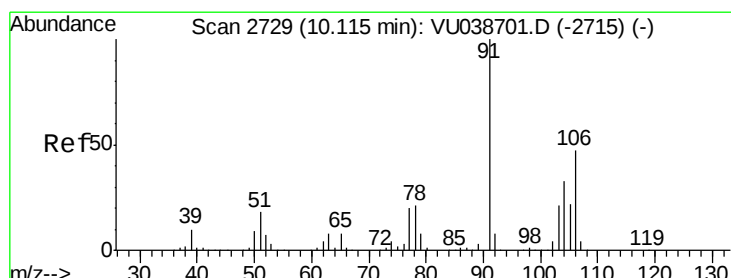
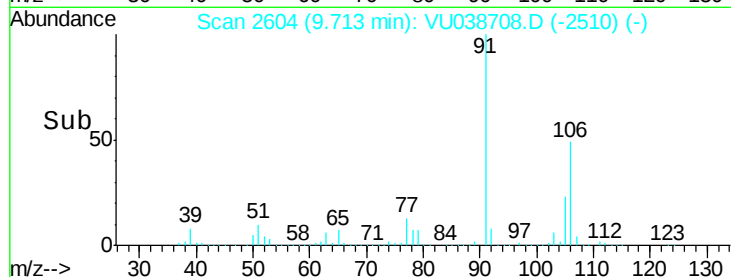
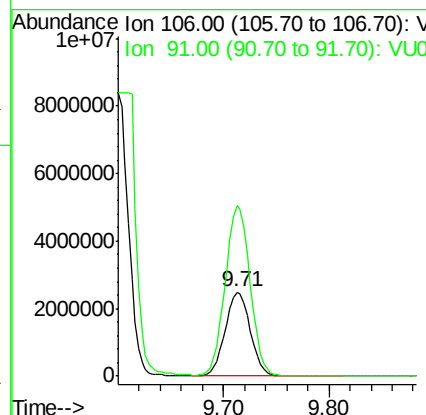
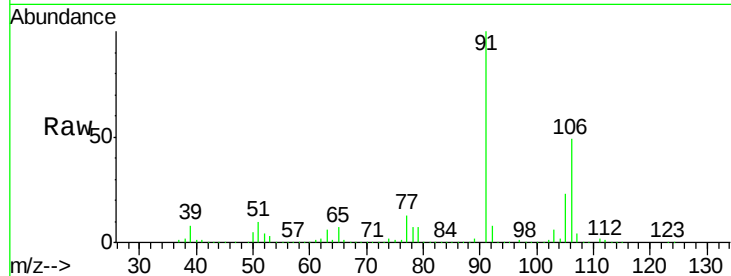
#53
m,p-Xylene
Concen: 423.795 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU038708.D
Acq: 09 Jun 2020 08:10

Instrument :
MSVOA_U
ClientSampled :
F9D84

Tot Ion:106 Resp: 4094355
Ion Ratio Lower Upper
106 100
91 202.3 140.1 260.3

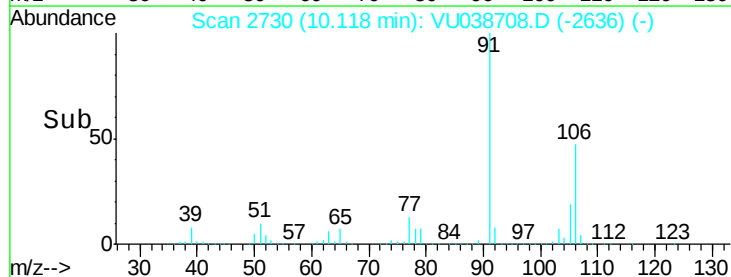
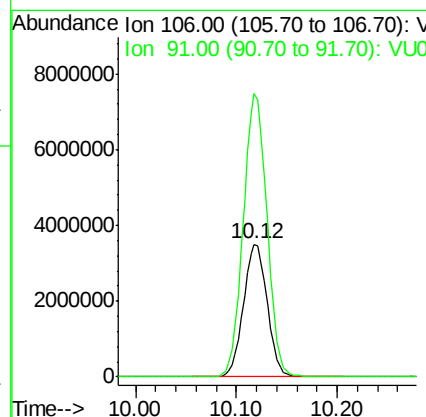
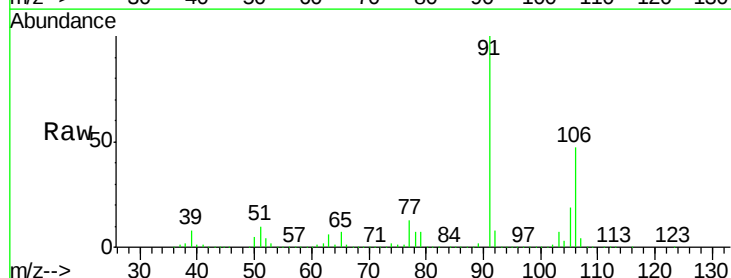
Manual Integrations
APPROVED

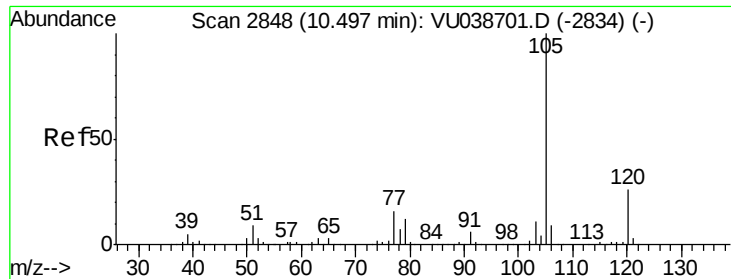
MMDadoda
6/10/2020 11:24:17 AM



#54
o-xylene
Concen: 605.548 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038708.D
Acq: 09 Jun 2020 08:10

Tgt Ion:106 Resp: 5679361
Ion Ratio Lower Upper
106 100
91 213.4 151.2 280.8





#56
Isopropylbenzene
Concen: 32.092 ug/L
RT: 10.50 min Scan# 2849
Delta R.T. 0.00 min
Lab File: VU038708.D
Acq: 09 Jun 2020 08:10

Instrument :
MSVOA_U
ClientSampleId :
F9D84

Tot Ion	Ratio	Resp Lower	Resp Upper
105	100		
120	25.9	20.9	31.3
77	15.3	12.6	19.0

Manual Integrations
APPROVED

MMDadoda
6/10/2020 11:24:17 AM

