

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\
 Data File : VU036642.D
 Acq On : 31 Jan 2020 01:26
 Operator : JC/MD
 Sample : L1324-12
 Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAT67

Manual Integrations
 APPROVED

MMDadoda
 2/3/2020 10:46:40 AM

Quant Time: Jan 31 06:49:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 31 04:01:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	301593	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	292979	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	155215	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	70068	31.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	62.04%
7) Chloroethane-d5	1.89	69	16796	8.67	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	17.34%#
11) 1,1-Dichloroethene-d2	2.54	63	95032m	26.02	ug/L	-0.05
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.04%#
21) 2-Butanone-d5	4.70	46	67828	50.59	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	50.59%
24) Chloroform-d	5.11	84	138885	37.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.10%
26) 1,2-Dichloroethane-d4	5.74	65	91978	39.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.78%
32) Benzene-d6	5.76	84	323383	39.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.48%
36) 1,2-Dichloropropane-d6	6.73	67	104722	40.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.56%
41) Toluene-d8	7.93	98	317572	40.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.10%
43) trans-1,3-Dichloropropene-	8.21	79	49552	40.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.14%
47) 2-Hexanone-d5	8.69	63	123276	103.51	ug/L	0.03
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.51%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	159618	42.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.54%
64) 1,2-Dichlorobenzene-d4	12.22	152	134110	40.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.52%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	2089	0.854	ug/L 92
29) Cyclohexane	5.41	56	4902	1.462	ug/L # 82
33) Benzene	5.81	78	435045	49.666	ug/L 100
35) Methylcyclohexane	6.79	83	49945	13.282	ug/L 96
42) Toluene	8.00	91	581386	61.063	ug/L 98
46) Tetrachloroethene	8.58	164	39548	21.592	ug/L 98
52) Ethylbenzene	9.60	91	5579307	534.938	ug/L 100
53) m,p-Xylene	9.73	106	672777	165.384	ug/L 98
54) o-xylene	10.13	106	813504	200.483	ug/L 99
56) Isopropylbenzene	10.51	105	425569	41.251	ug/L 99

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

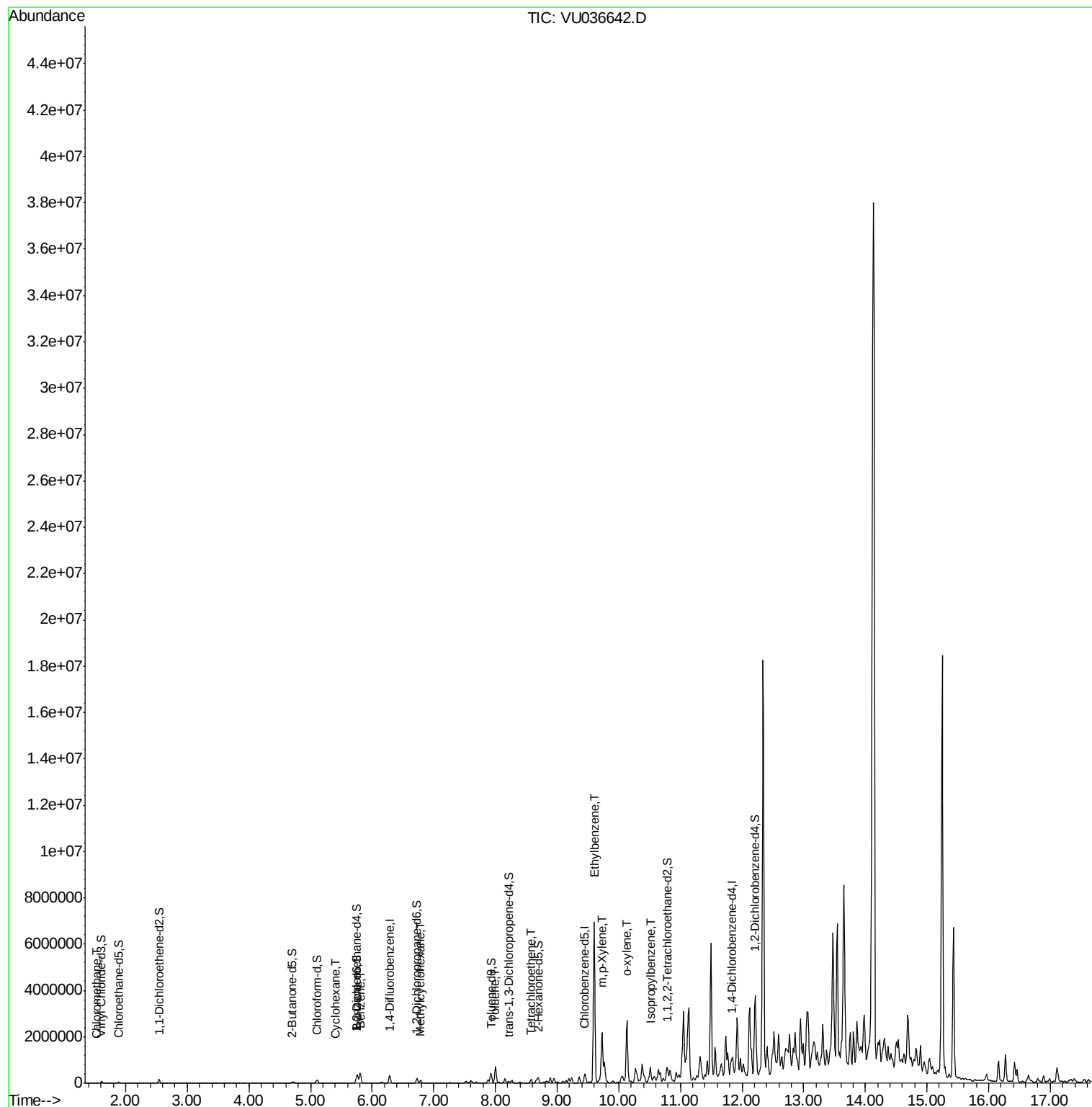
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
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Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

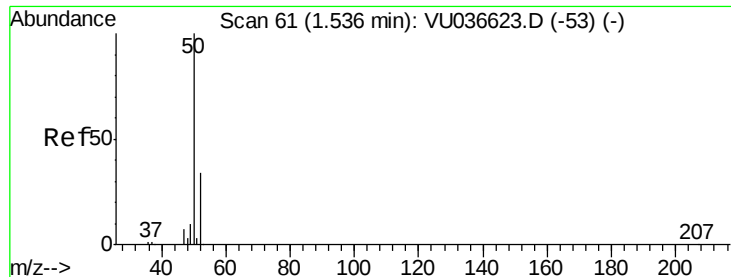
Instrument :
MSVOA_U
ClientSampleId :
GAT67

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 31 04:01:38 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.854 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.01 min

Lab File: VU036642.D

Acq: 31 Jan 2020 01:26

Instrument :

MSVOA_U

ClientSampleId :

GAT67

Tot Ion: 50 Resp: 2089

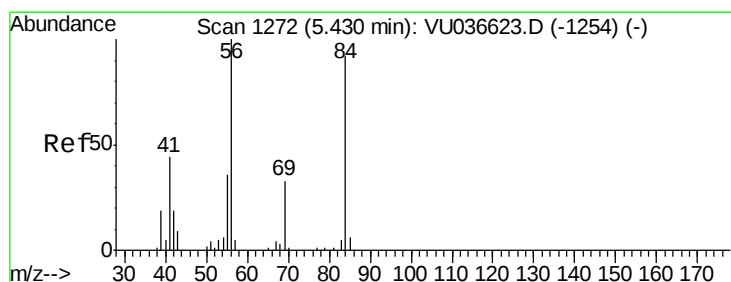
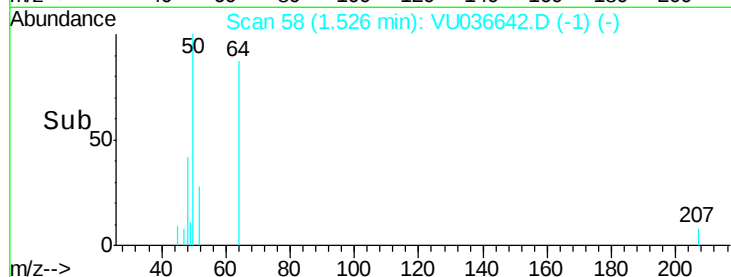
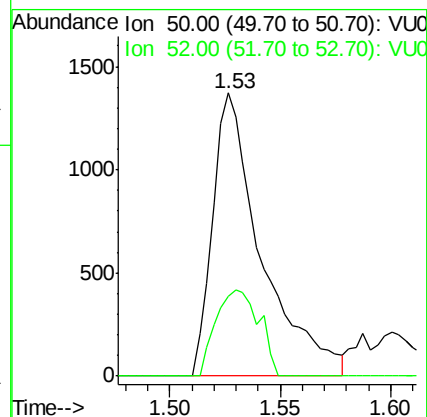
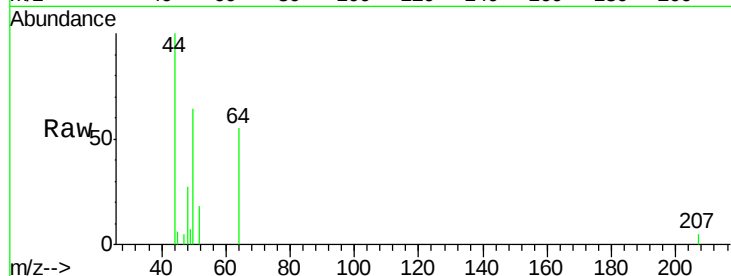
Ion Ratio Lower Upper

50 100

52 28.4 23.2 43.0

Manual Integrations
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#29

Cyclohexane

Concen: 1.462 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VU036642.D

Acq: 31 Jan 2020 01:26

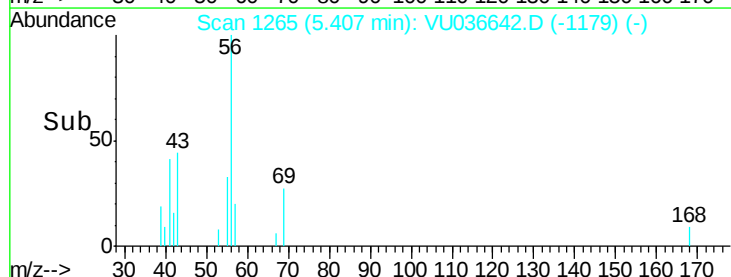
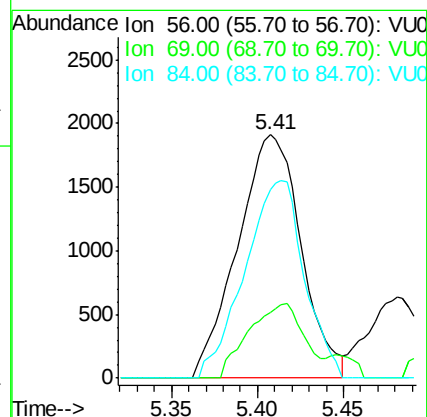
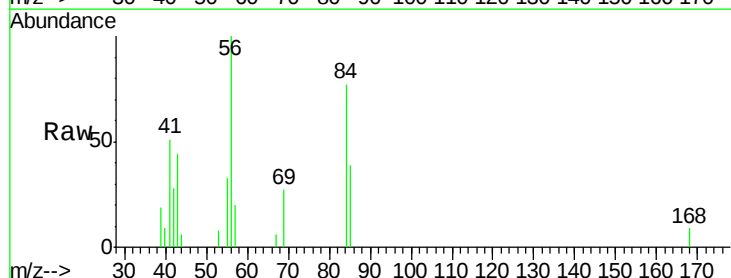
Tgt Ion: 56 Resp: 4902

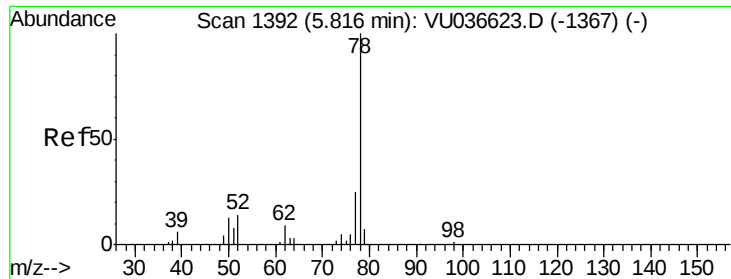
Ion Ratio Lower Upper

56 100

69 26.4 26.4 39.6

84 75.9 76.6 114.8#





#33

Benzene

Concen: 49.666 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VU036642.D

Acq: 31 Jan 2020 01:26

Instrument :

MSVOA_U

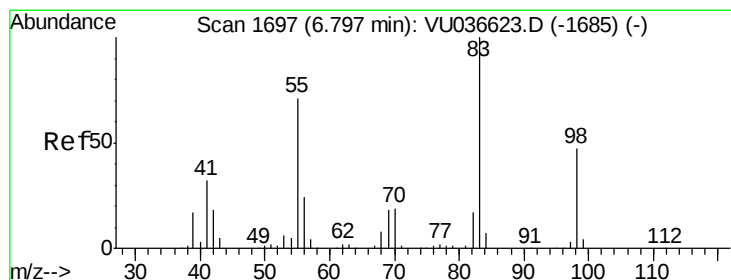
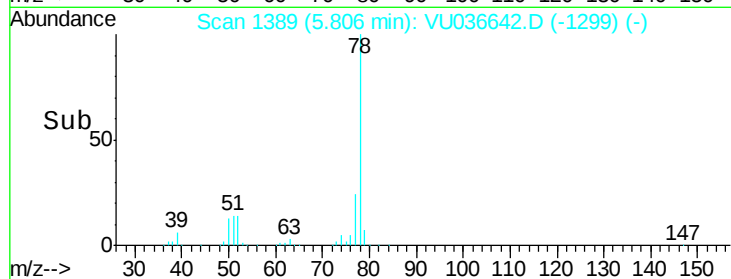
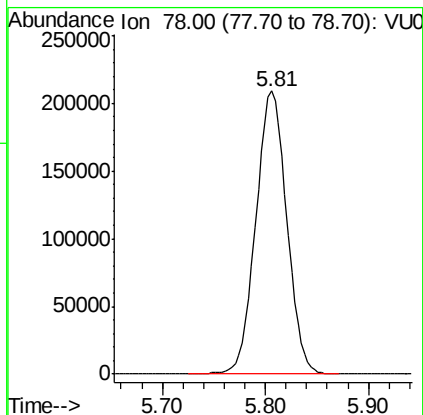
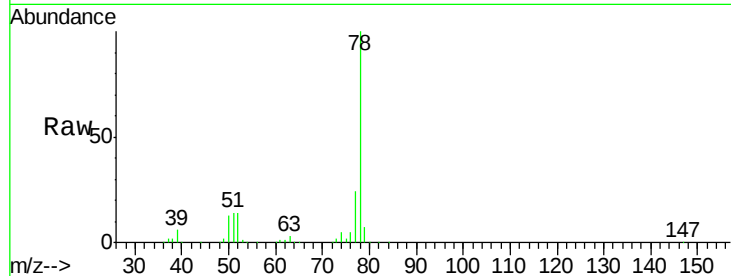
ClientSampleId :

GAT67

Tgt Ion: 78 Resp: 435045

Manual Integrations
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#35

Methylcyclohexane

Concen: 13.282 ug/L

RT: 6.79 min Scan# 1694

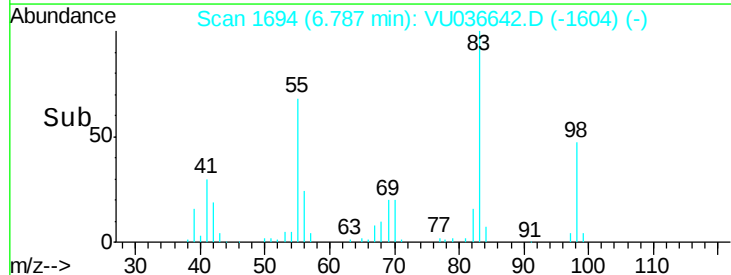
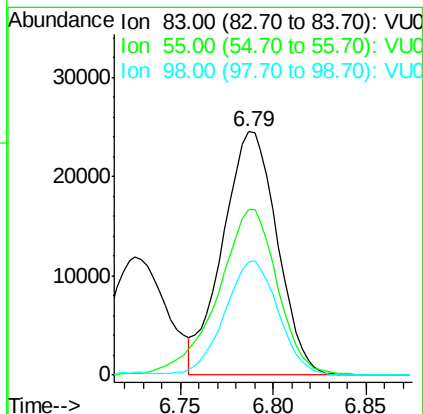
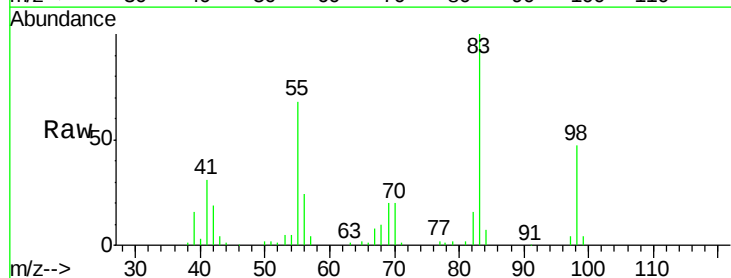
Delta R.T. -0.01 min

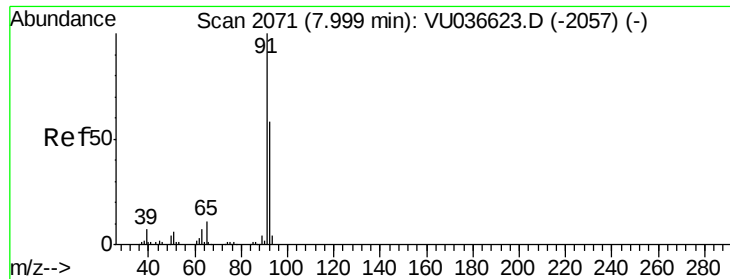
Lab File: VU036642.D

Acq: 31 Jan 2020 01:26

Tgt Ion: 83 Resp: 49945

Ion	Ratio	Lower	Upper
83	100		
55	74.5	56.1	84.1
98	46.1	37.5	56.3





#42

Toluene

Concen: 61.063 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036642.D

Acq: 31 Jan 2020 01:26

Instrument :

MSVOA_U

ClientSampleId :

GAT67

Tot Ion: 91 Resp: 581386

Ion Ratio Lower Upper

91 100

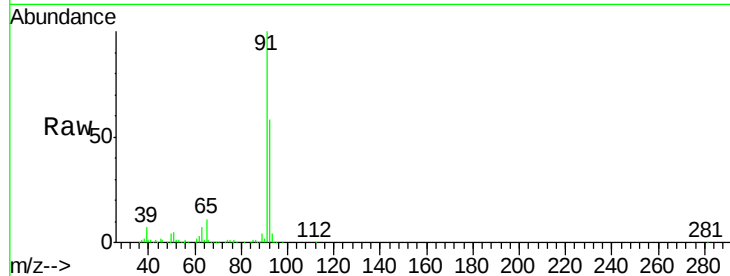
92 58.4 39.9 74.1

Manual Integrations

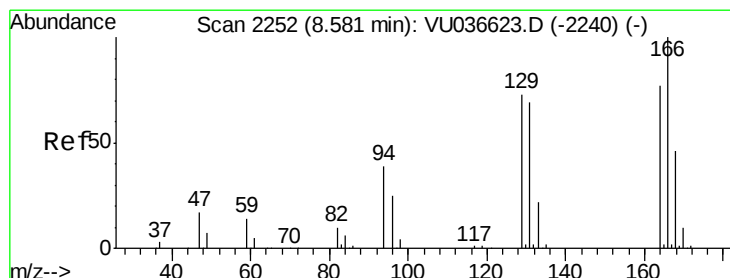
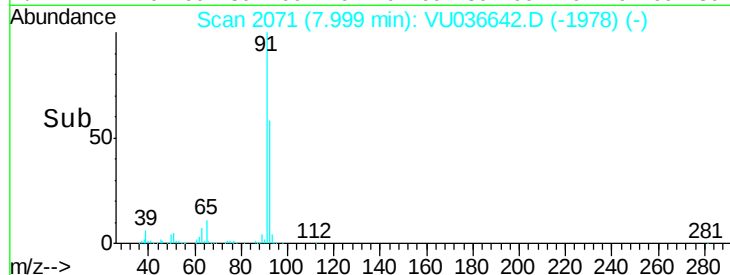
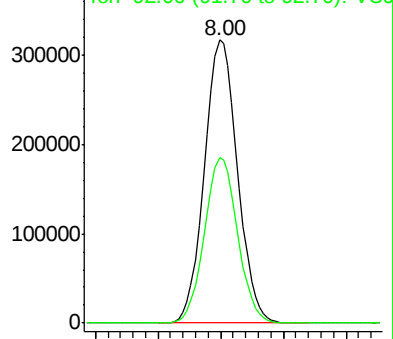
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Abundance Ion 91.00 (90.70 to 91.70): VU036642.D (-1978) (-)



#46

Tetrachloroethene

Concen: 21.592 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU036642.D

Acq: 31 Jan 2020 01:26

Tgt Ion:164 Resp: 39548

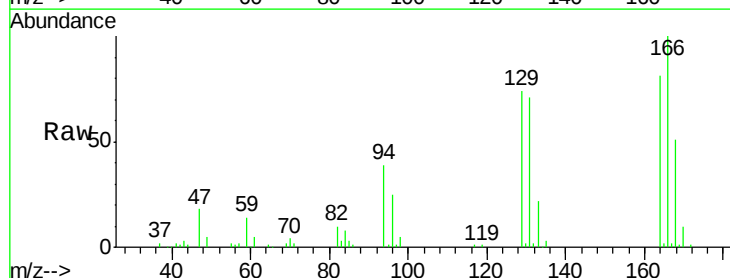
Ion Ratio Lower Upper

164 100

129 91.1 64.2 119.2

131 87.5 61.8 114.8

166 122.7 88.8 165.0

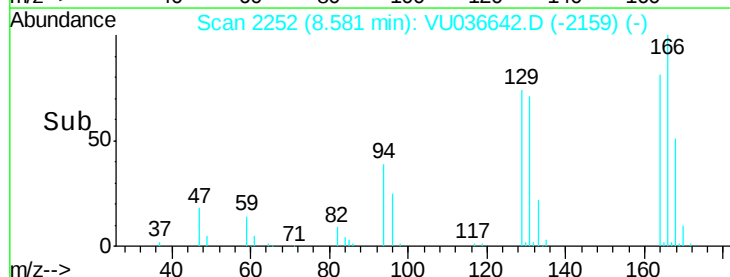
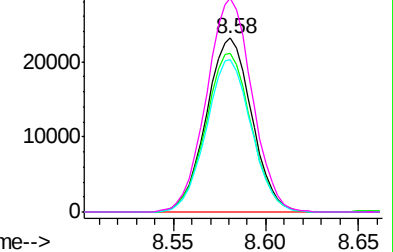


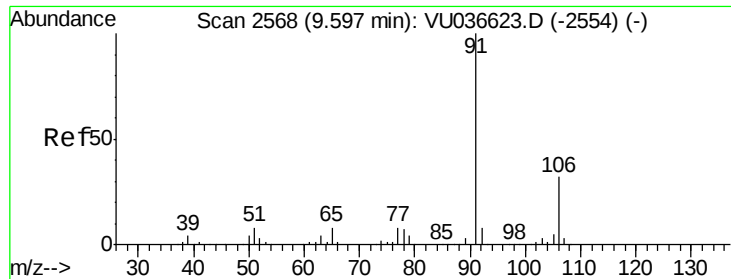
Abundance Ion 164.00 (163.70 to 164.70): VU036642.D (-2159) (-)

Ion 129.00 (128.70 to 129.70): VU036642.D (-2159) (-)

Ion 131.00 (130.70 to 131.70): VU036642.D (-2159) (-)

Ion 166.00 (165.70 to 166.70): VU036642.D (-2159) (-)





#52

Ethylbenzene

Concen: 534.938 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU036642.D

Acq: 31 Jan 2020 01:26

Instrument :

MSVOA_U

ClientSampleId :

GAT67

Tot Ion: 91 Resp: 5579307

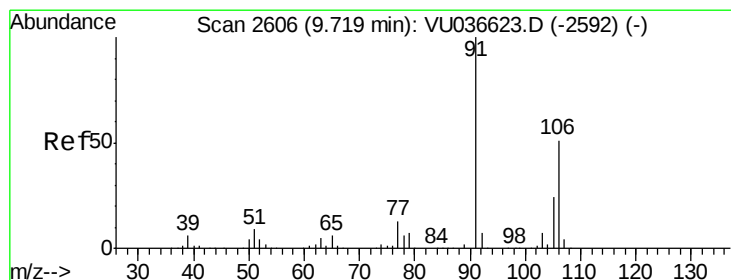
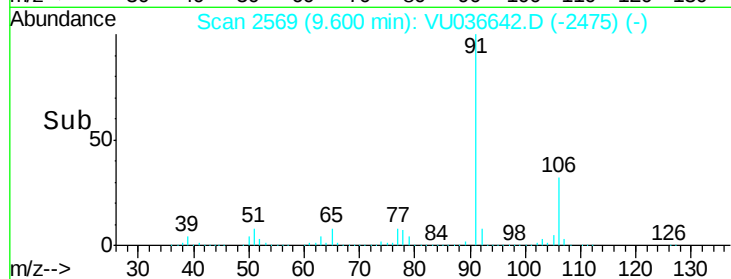
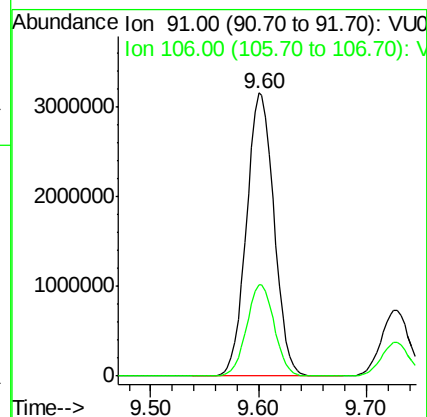
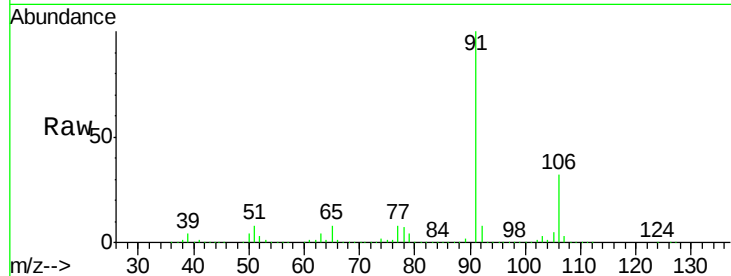
Ion Ratio Lower Upper

91 100

106 32.4 22.6 42.0

Manual Integrations
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#53

m,p-Xylene

Concen: 165.384 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. 0.01 min

Lab File: VU036642.D

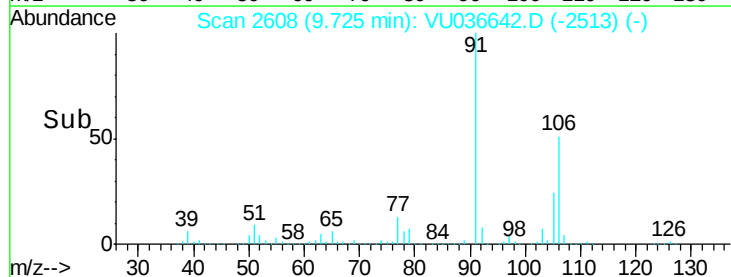
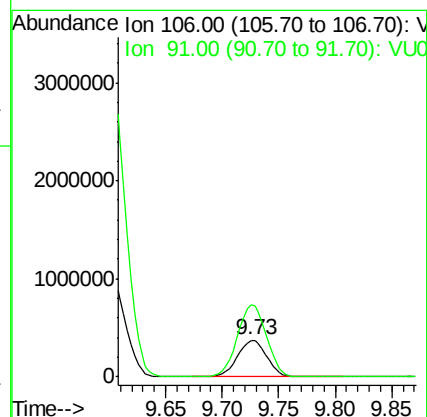
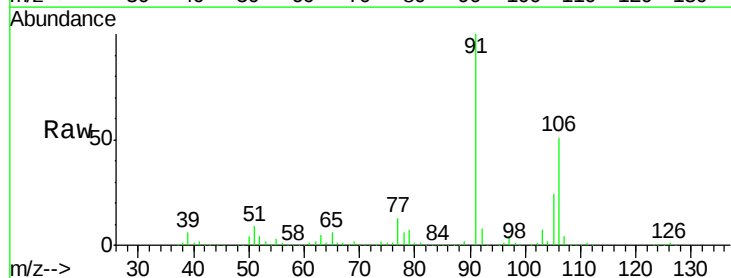
Acq: 31 Jan 2020 01:26

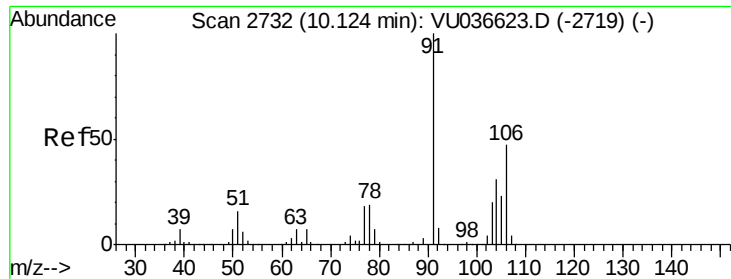
Tgt Ion: 106 Resp: 672777

Ion Ratio Lower Upper

106 100

91 196.9 139.4 259.0





#54

o-xylene

Concen: 200.483 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.01 min

Lab File: VU036642.D

Acq: 31 Jan 2020 01:26

Instrument :

MSVOA_U

ClientSampled :

GAT67

Tot Ion:106 Resp: 813504

Ion Ratio Lower Upper

106 100

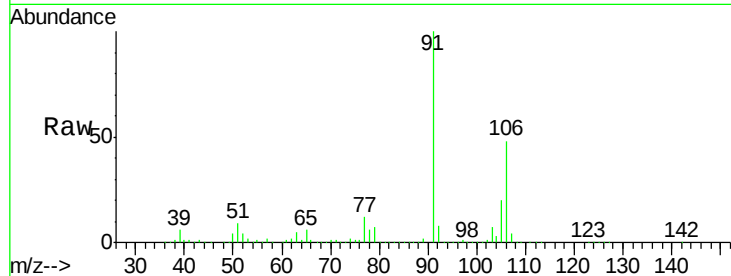
91 209.4 145.9 271.1

Manual Integrations

APPROVED

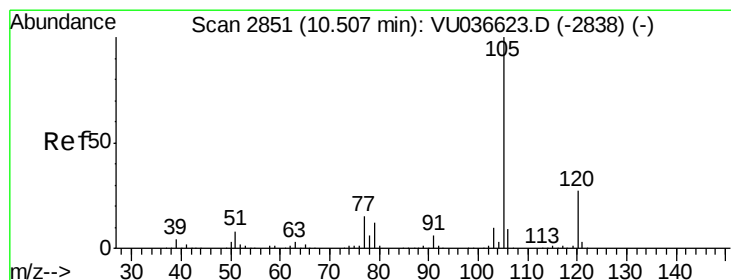
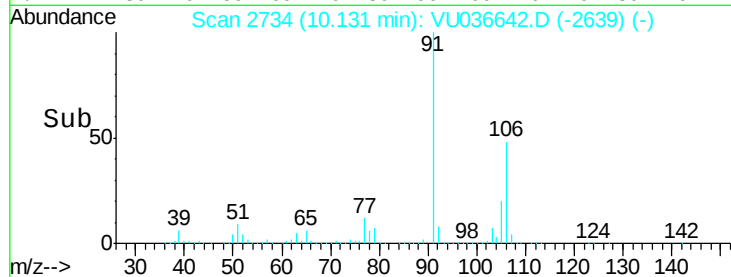
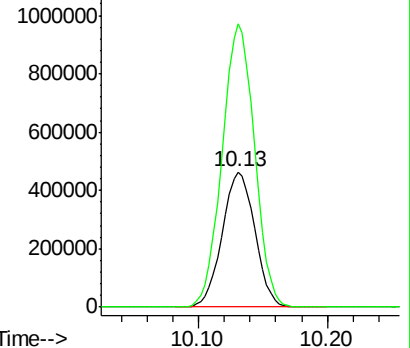
MMDadoda

2/3/2020 10:46:40 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 41.251 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.01 min

Lab File: VU036642.D

Acq: 31 Jan 2020 01:26

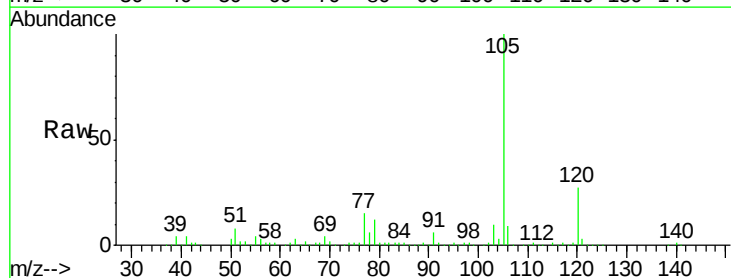
Tgt Ion:105 Resp: 425569

Ion Ratio Lower Upper

105 100

120 26.8 21.6 32.4

77 15.6 11.8 17.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0

