

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\
 Data File : VU036645.D
 Acq On : 31 Jan 2020 02:42
 Operator : JC/MD
 Sample : L1324-18
 Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAT73

Manual Integrations
 APPROVED

MMDadoda
 2/3/2020 10:46:44 AM

Quant Time: Jan 31 07:17:52 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	6.29	114	300282	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	292249	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	157819	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	68969	30.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	61.34%
7) Chloroethane-d5	1.89	69	16043	8.31	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	16.62%#
11) 1,1-Dichloroethene-d2	2.54	63	91481m	25.16	ug/L	-0.05
Spiked Amount	50.000	Range	60 - 125	Recovery	=	50.32%#
21) 2-Butanone-d5	4.70	46	62607	46.90	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	46.90%
24) Chloroform-d	5.11	84	136156	36.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.94%
26) 1,2-Dichloroethane-d4	5.74	65	88486	38.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.10%
32) Benzene-d6	5.76	84	318086	38.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.38%
36) 1,2-Dichloropropane-d6	6.73	67	103431	40.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.76%
41) Toluene-d8	7.93	98	311512	39.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.78%#
43) trans-1,3-Dichloropropene-	8.21	79	48537	39.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.68%
47) 2-Hexanone-d5	8.69	63	122197	102.86	ug/L	0.03
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.86%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	151724	40.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.56%
64) 1,2-Dichlorobenzene-d4	12.22	152	134371	39.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.36%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	2027	0.832	ug/L	94
13) Acetone	2.69	43	2475	1.915	ug/L	95
29) Cyclohexane	5.41	56	6826	2.041	ug/L	88
33) Benzene	5.81	78	222673	25.484	ug/L	100
35) Methylcyclohexane	6.79	83	8507	2.268	ug/L #	73
42) Toluene	8.00	91	115579	12.170	ug/L	99
46) Tetrachloroethene	8.58	164	25159	13.770	ug/L	99
52) Ethylbenzene	9.60	91	723462	69.538	ug/L	100
53) m,p-Xylene	9.73	106	1938901	477.816	ug/L	98
54) o-xylene	10.13	106	922242	227.848	ug/L	99
55) Styrene	10.15	104	2674212	407.126	ug/L	99
56) Isopropylbenzene	10.51	105	27343	2.657	ug/L	98

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

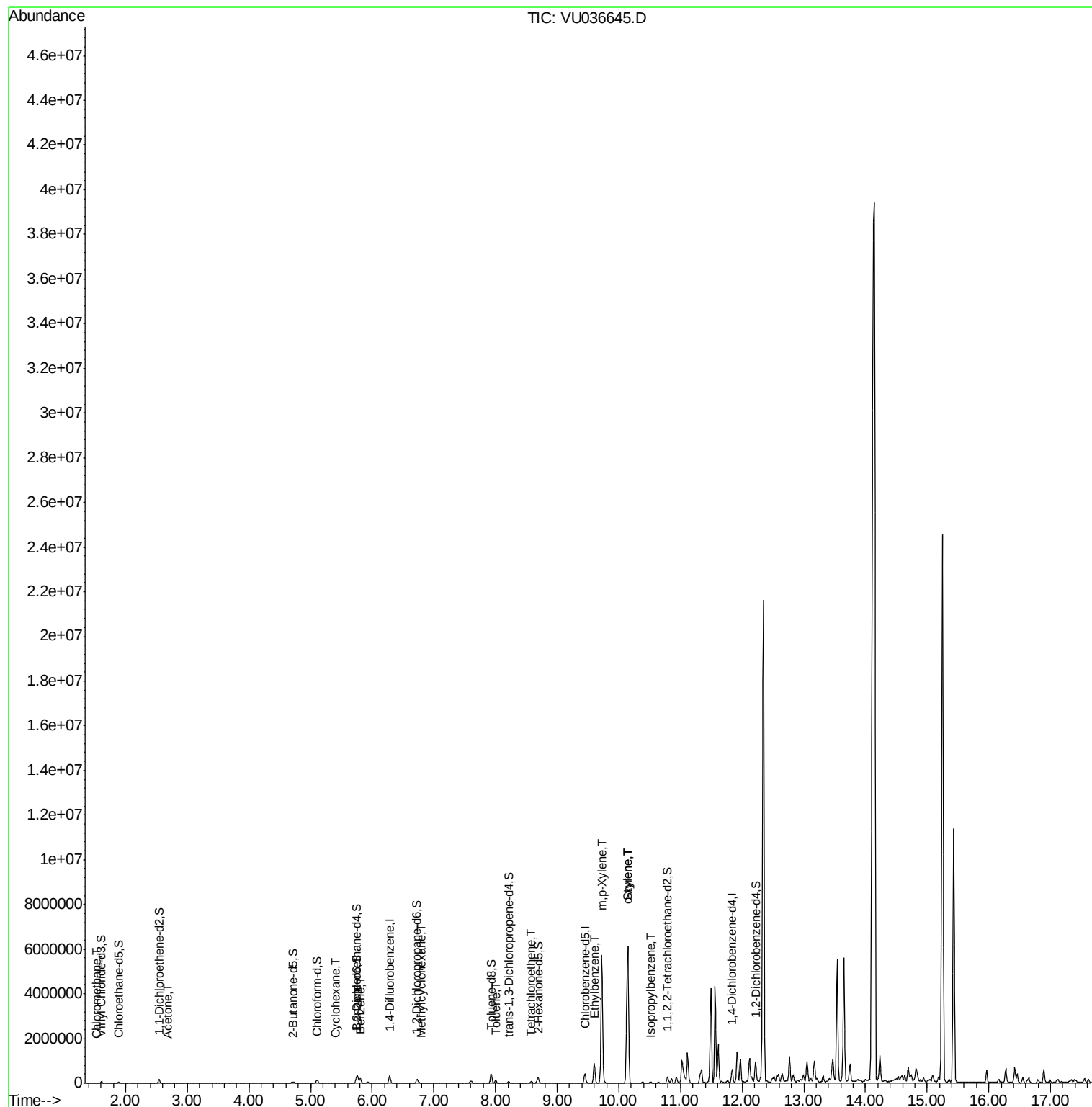
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

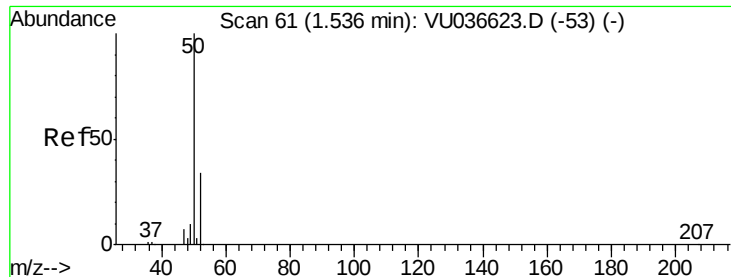
Instrument :
MSVOA_U
ClientSampleId :
GAT73

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Quant Time: Jan 31 07:17:52 2020
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: 0.832 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.01 min

Lab File: VU036645.D

Acq: 31 Jan 2020 02:42

Instrument :

MSVOA_U

ClientSampleId :

GAT73

Tot Ion: 50 Resp: 2027

Ion Ratio Lower Upper

50 100

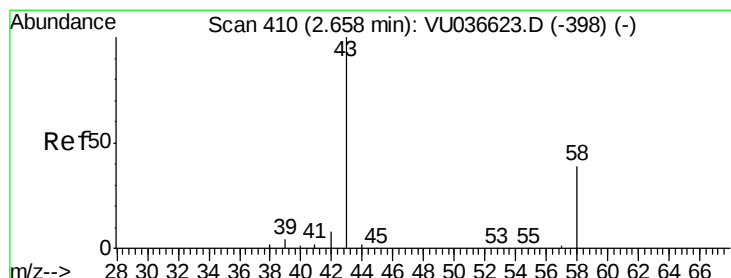
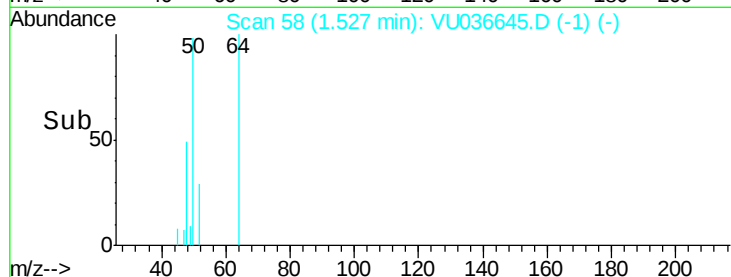
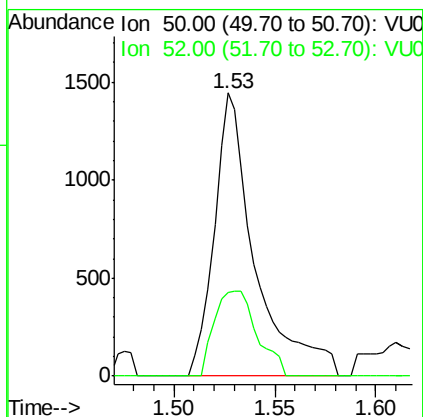
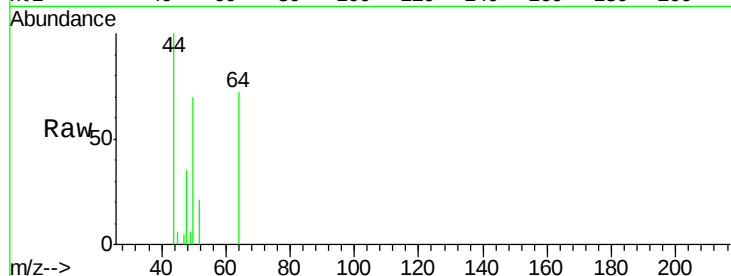
52 29.8 23.2 43.0

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#13

Acetone

Concen: 1.915 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.03 min

Lab File: VU036645.D

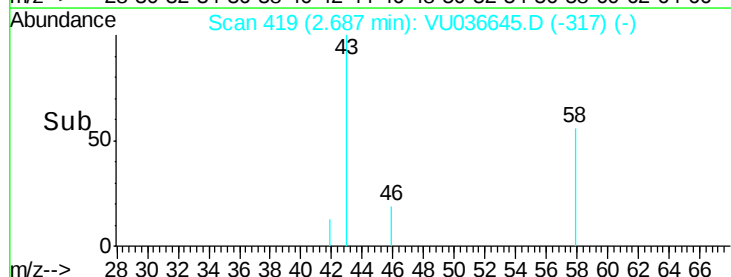
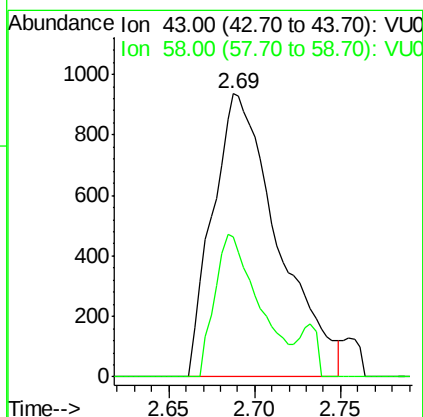
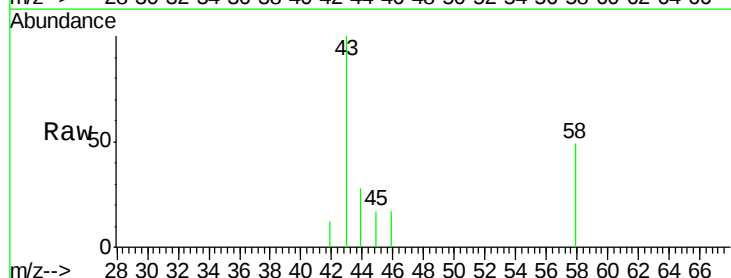
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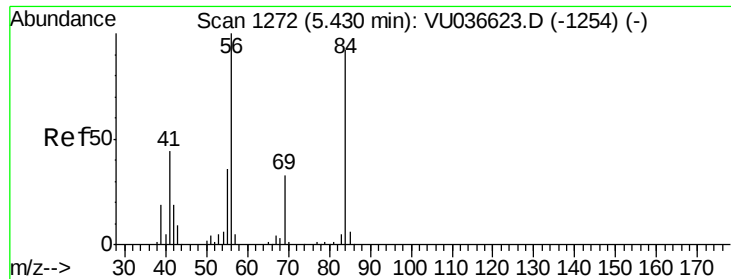
Tgt Ion: 43 Resp: 2475

Ion Ratio Lower Upper

43 100

58 34.5 0.0 75.4





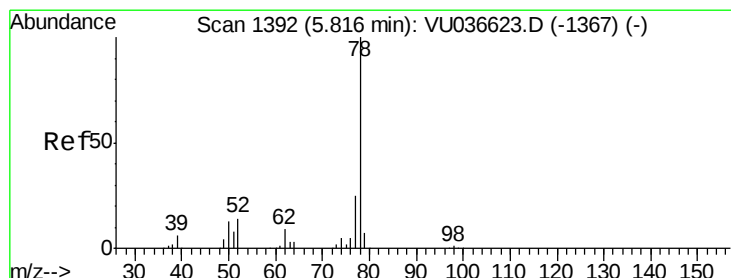
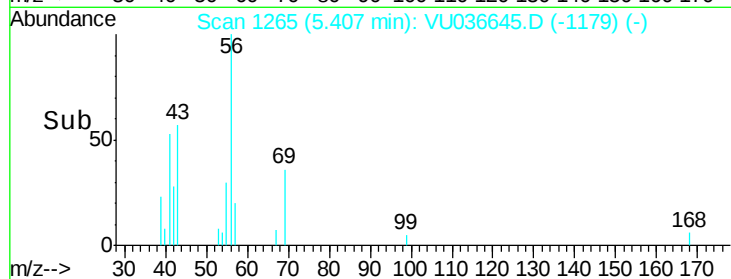
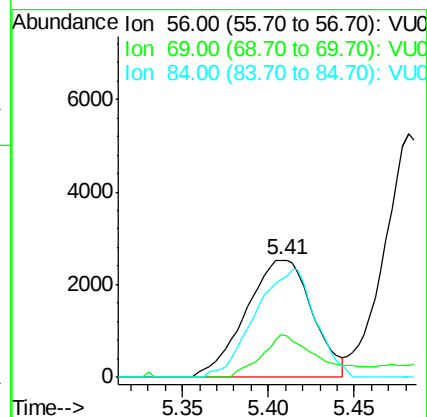
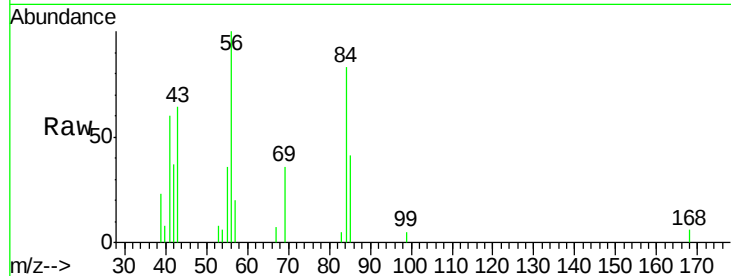
#29
Cyclohexane
Concen: 2.041 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. -0.02 min
Lab File: VU036645.D
Acq: 31 Jan 2020 02:42

Instrument :
MSVOA_U
ClientSampled :
GAT73

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.8	26.4	39.6
84	82.6	76.6	114.8

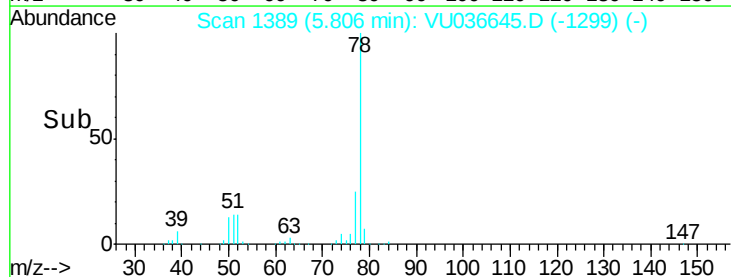
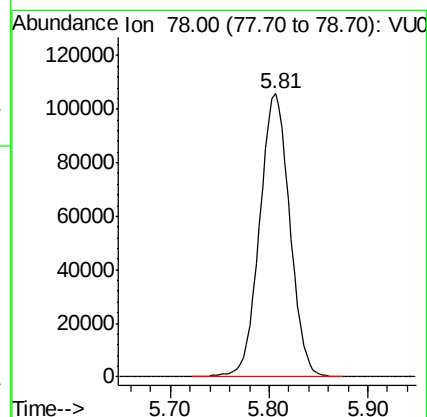
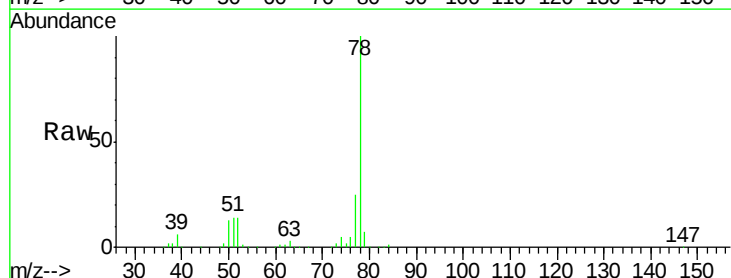
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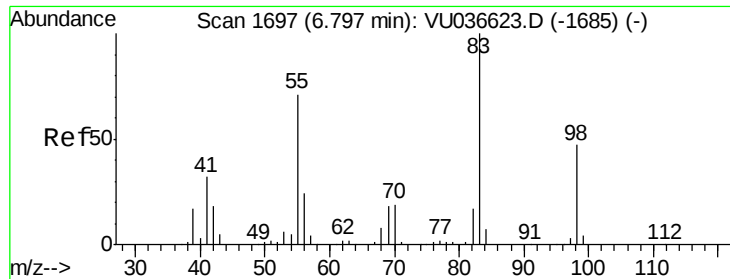
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#33
Benzene
Concen: 25.484 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VU036645.D
Acq: 31 Jan 2020 02:42

Tgt Ion: 78 Resp: 222673





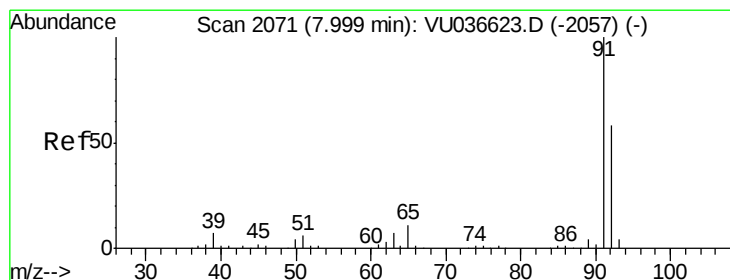
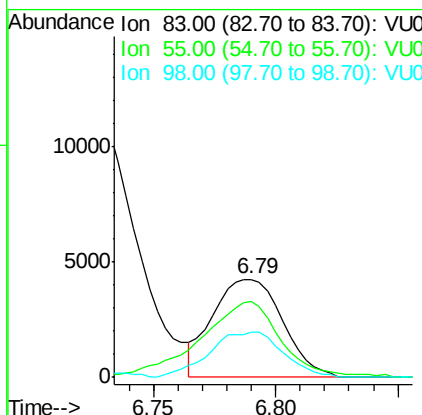
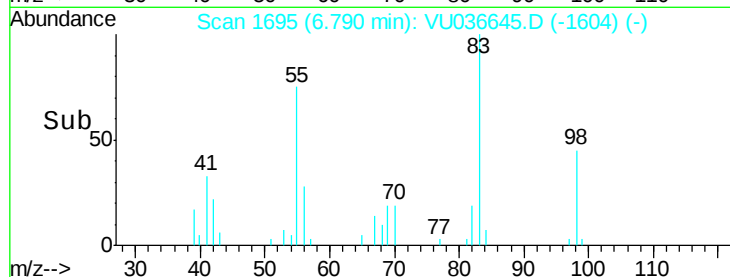
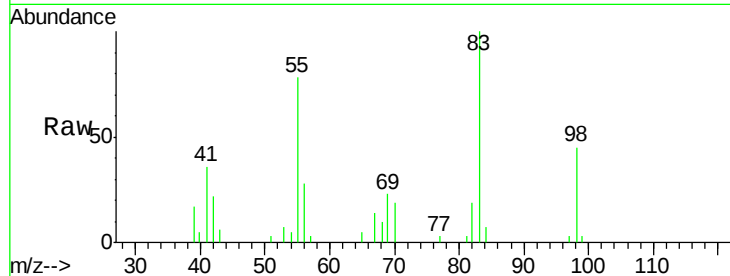
#35
Methvlcvclohexane
Concen: 2.268 ug/L
RT: 6.79 min Scan# 1695
Delta R.T. -0.01 min
Lab File: VU036645.D
Acq: 31 Jan 2020 02:42

Instrument :
MSVOA_U
ClientSampleId :
GAT73

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.4	56.1	84.1#
98	25.0	37.5	56.3#

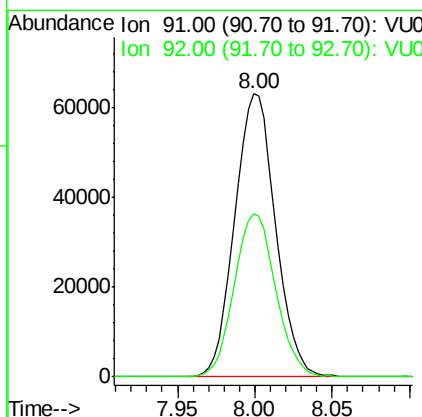
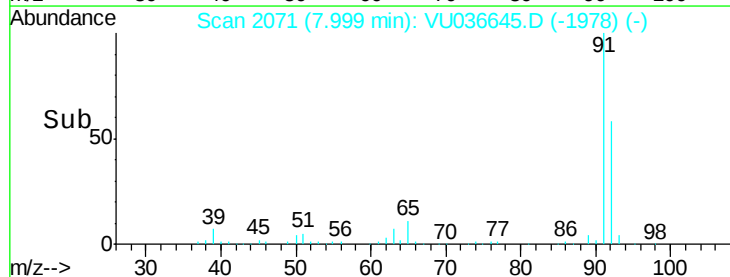
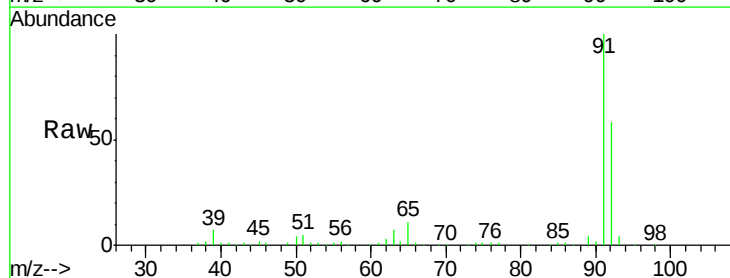
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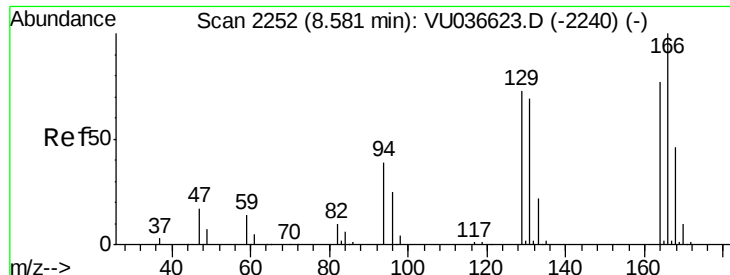
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#42
Toluene
Concen: 12.170 ug/L
RT: 8.00 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VU036645.D
Acq: 31 Jan 2020 02:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.6	39.9	74.1





#46

Tetrachloroethene

Concen: 13.770 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU036645.D

Acq: 31 Jan 2020 02:42

Instrument :

MSVOA_U

ClientSampled :

GAT73

Tot Ion:164 Resp: 25159

Ion Ratio Lower Upper

164 100

129 94.1 64.2 119.2

131 89.1 61.8 114.8

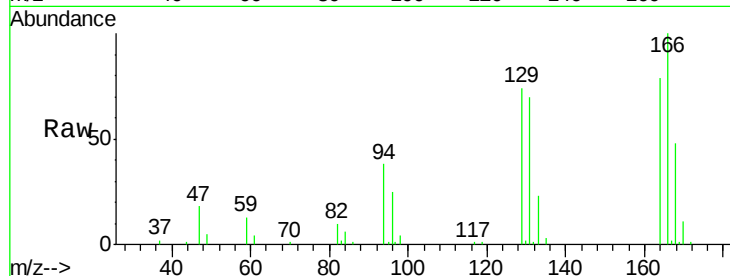
166 127.1 88.8 165.0

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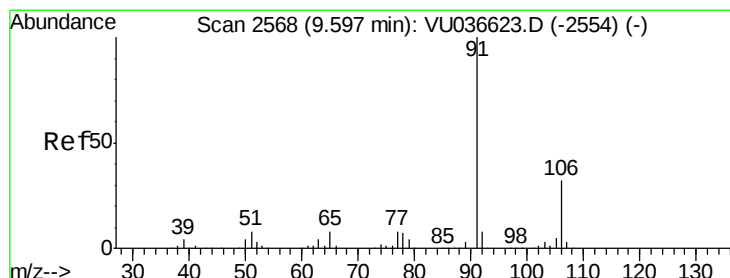
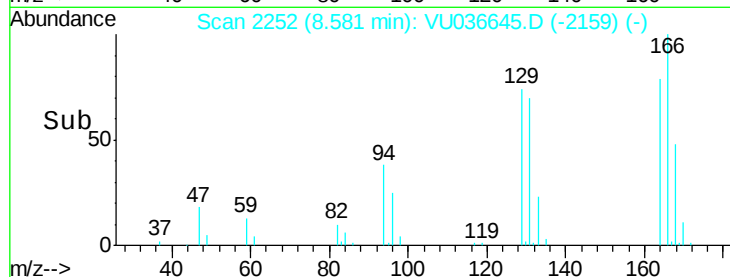
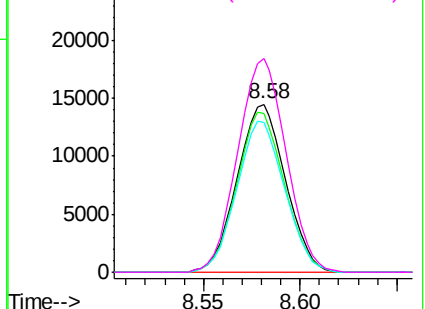


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#52

Ethylbenzene

Concen: 69.538 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU036645.D

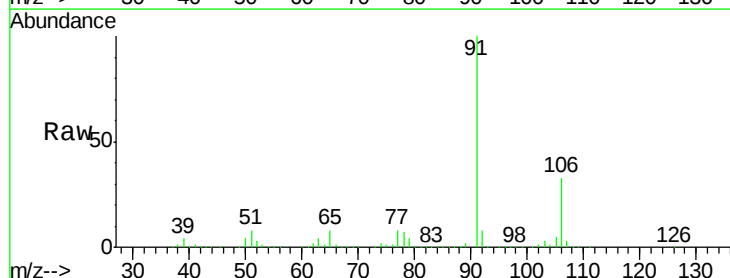
Acq: 31 Jan 2020 02:42

Tgt Ion: 91 Resp: 723462

Ion Ratio Lower Upper

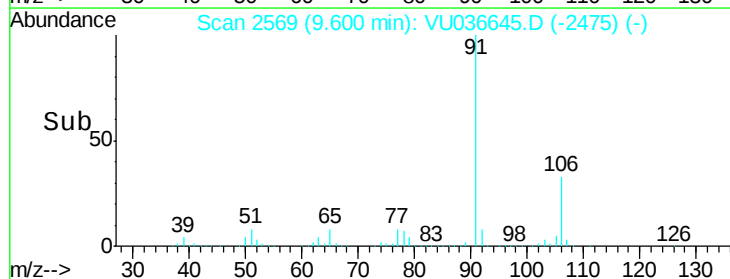
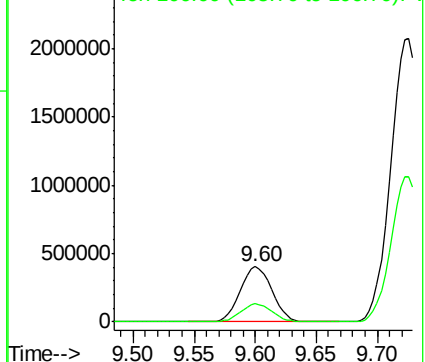
91 100

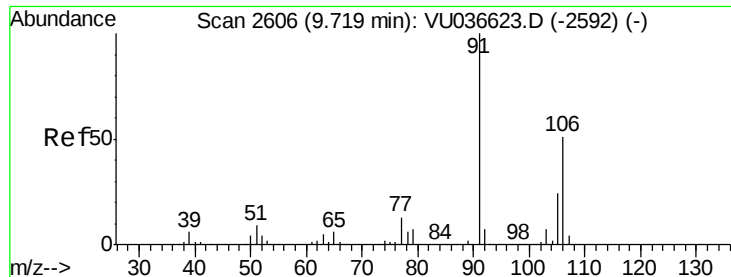
106 32.5 22.6 42.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 477.816 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. 0.01 min

Lab File: VU036645.D

Acq: 31 Jan 2020 02:42

Instrument :

MSVOA_U

ClientSampled :

GAT73

Tot Ion:106 Resp: 1938901

Ion Ratio Lower Upper

106 100

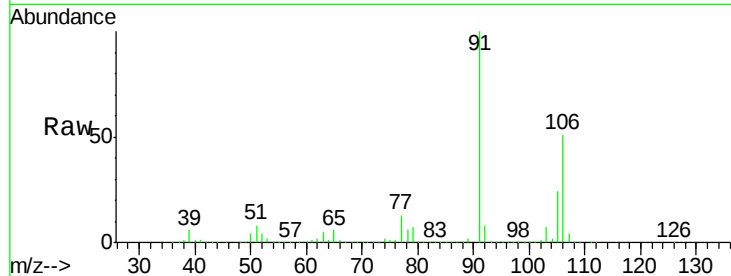
91 195.7 139.4 259.0

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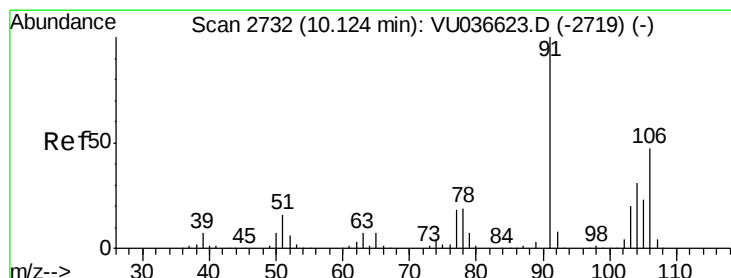
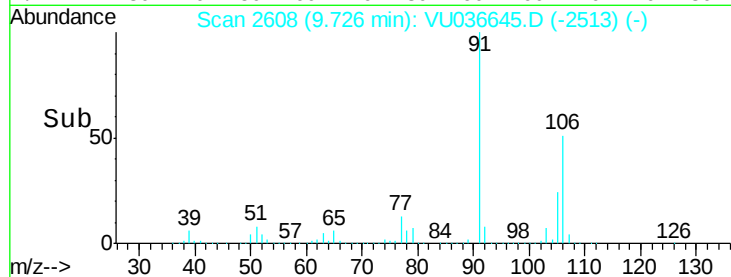
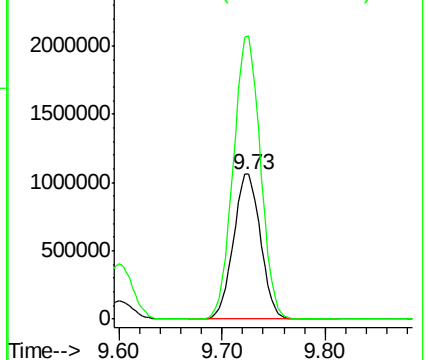
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2/3/2020 10:46:44 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 227.848 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.01 min

Lab File: VU036645.D

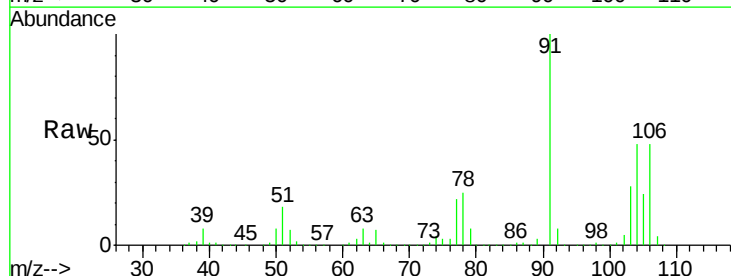
Acq: 31 Jan 2020 02:42

Tgt Ion:106 Resp: 922242

Ion Ratio Lower Upper

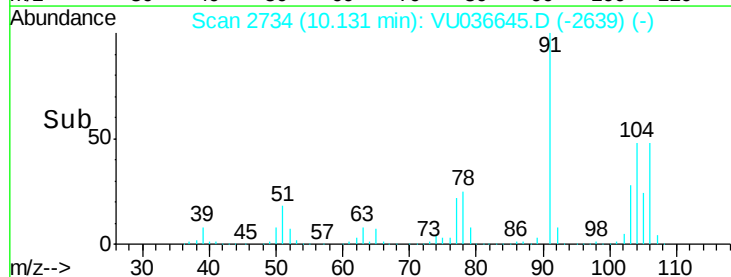
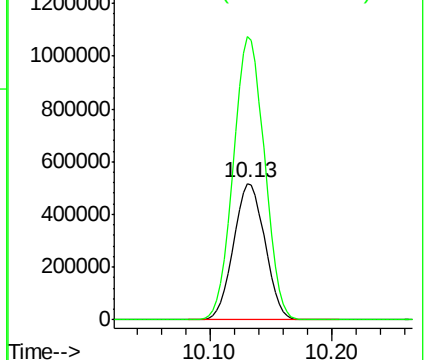
106 100

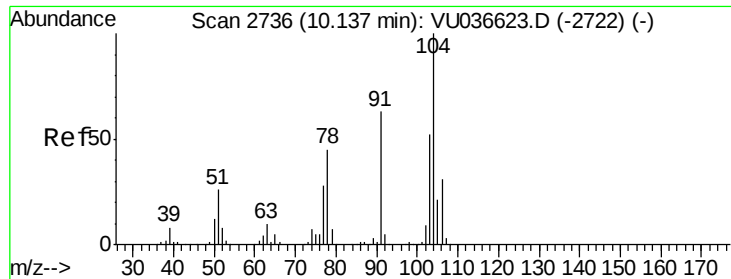
91 207.4 145.9 271.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





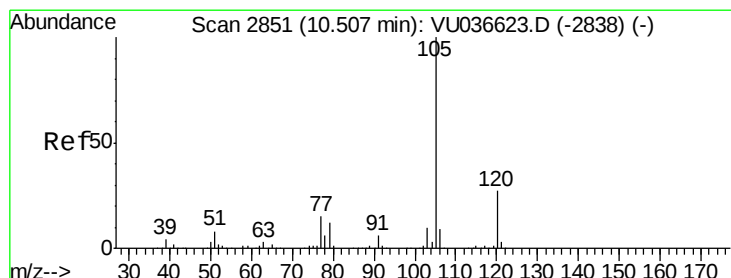
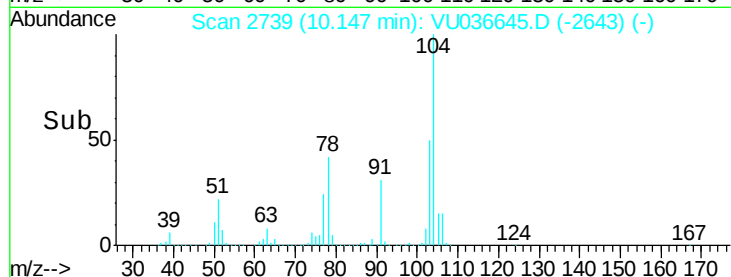
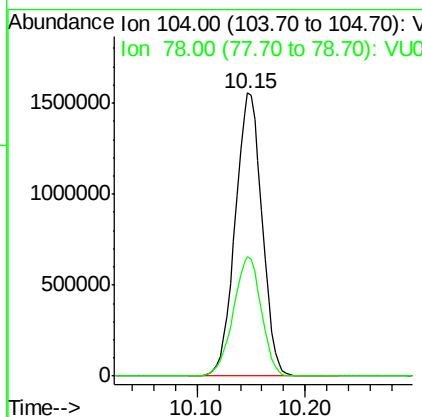
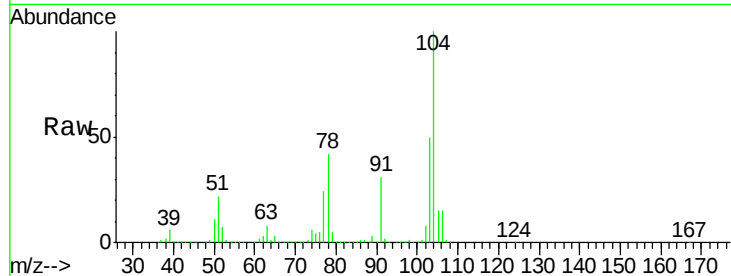
#55
Stvrene
Concen: 407.126 ug/L
RT: 10.15 min Scan# 2739
Delta R.T. 0.01 min
Lab File: VU036645.D
Acq: 31 Jan 2020 02:42

Instrument :
MSVOA_U
ClientSampleId :
GAT73

Tot Ion:104 Resp: 2674212
Ion Ratio Lower Upper
104 100
78 42.3 30.1 55.9

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#56
Isopropylbenzene
Concen: 2.657 ug/L
RT: 10.51 min Scan# 2853
Delta R.T. 0.01 min
Lab File: VU036645.D
Acq: 31 Jan 2020 02:42

Tgt Ion:105 Resp: 27343
Ion Ratio Lower Upper
105 100
120 28.3 21.6 32.4
77 14.7 11.8 17.8

