

Data File : VU036640.D
Acq On : 31 Jan 2020 00:36
Operator : JC/MD
Sample : L1324-09
Misc : 5.10g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAT66

Quant Time: Jan 31 04:06:04 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	292815	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	286115	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	156961	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	69002	31.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	62.92%
7) Chloroethane-d5	1.89	69	16589	8.82	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	17.64%#
11) 1,1-Dichloroethene-d2	2.54	63	96111	27.10	ug/L	-0.05
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.20%#
21) 2-Butanone-d5	4.70	46	70809	54.39	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	54.39%
24) Chloroform-d	5.11	84	141565	39.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.84%
26) 1,2-Dichloroethane-d4	5.74	65	92559	41.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.70%
32) Benzene-d6	5.76	84	326964	40.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.26%
36) 1,2-Dichloropropane-d6	6.73	67	105308	41.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.98%
41) Toluene-d8	7.93	98	319688	41.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.58%
43) trans-1,3-Dichloropropene-	8.21	79	49431	41.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.88%
47) 2-Hexanone-d5	8.69	63	122587	105.40	ug/L	0.03
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.40%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	163646	44.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.76%
64) 1,2-Dichlorobenzene-d4	12.22	152	139297	41.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.72%

Target Compounds

					Qvalue
3) Chloromethane	1.53	50	2046	0.862 ug/L	96
13) Acetone	2.69	43	2404	1.908 ug/L	84
15) Methyl Acetate	3.00	43	1776	0.901 ug/L #	81
25) Chloroform	5.13	83	4327	1.210 ug/L	86
33) Benzene	5.80	78	46231	5.404 ug/L	100
35) Methylcyclohexane	6.73	83	24184	6.585 ug/L #	21
37) 1,2-Dichloropropane	6.73	63	10428	4.796 ug/L #	87
42) Toluene	8.00	91	91766	9.869 ug/L	97
46) Tetrachloroethene	8.58	164	53575	29.952 ug/L	98
48) 2-Hexanone	8.69	43	11437	5.448 ug/L #	64
49) Dibromochloromethane	8.58	129	49628	21.498 ug/L #	11
52) Ethylbenzene	9.60	91	275814	27.079 ug/L	99
53) m,p-Xylene	9.72	106	258402	65.045 ug/L	99
54) o-xylene	10.13	106	150758	38.045 ug/L	99
55) Styrene	10.15	104	358011	55.673 ug/L	100
56) Isopropylbenzene	10.51	105	9566	0.949 ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.05	75	4812	5.583 ug/L #	5

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Fri Jan 31 04:01:38 2020
Response via : Initial Calibration

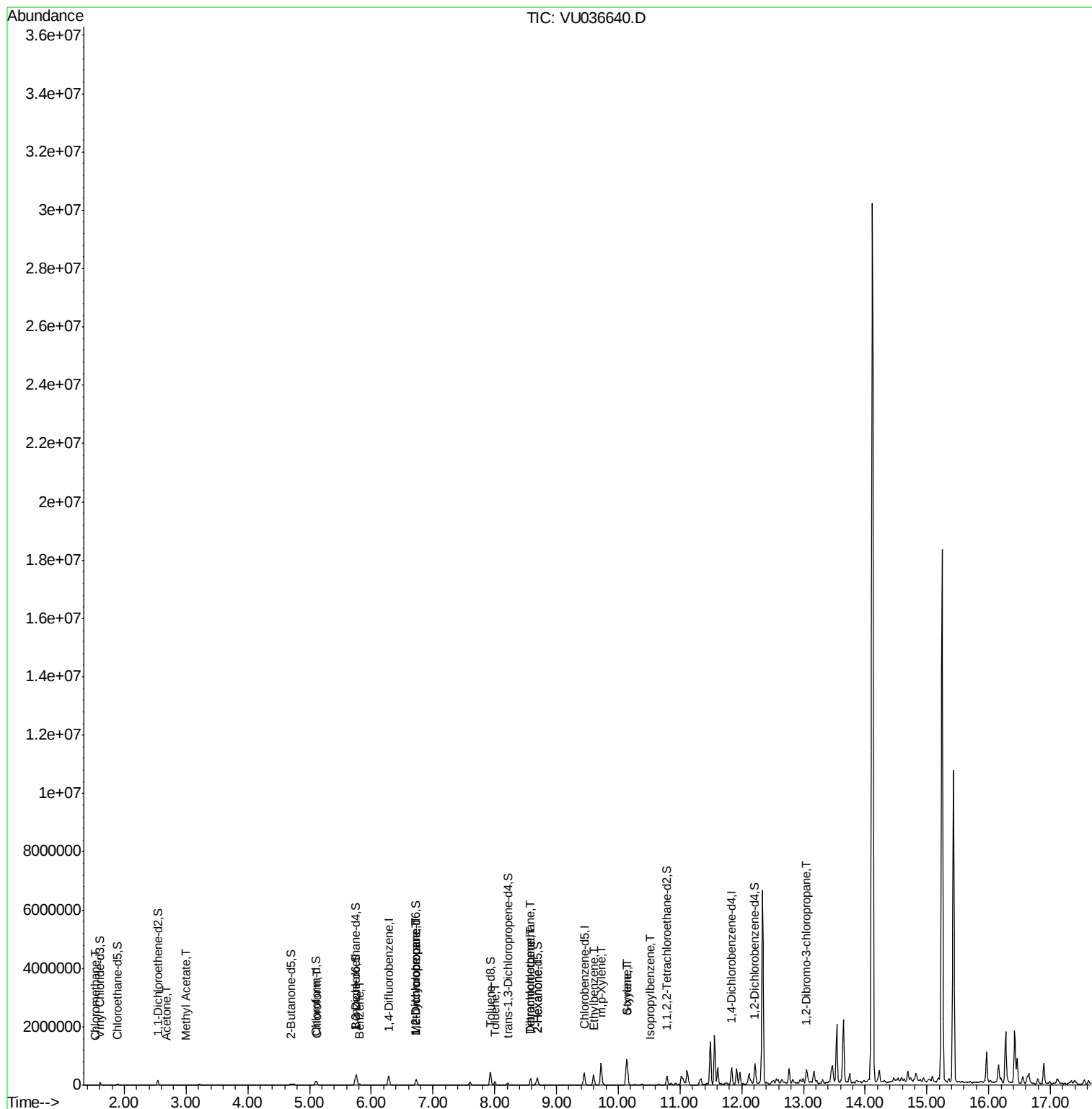
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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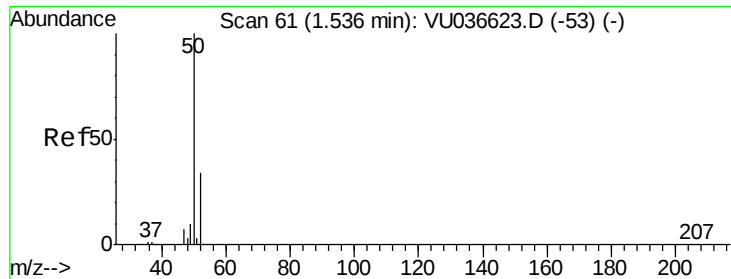
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.862 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.01 min

Lab File: VU036640.D

Acq: 31 Jan 2020 00:36

Instrument :

MSVOA_U

ClientSampleId :

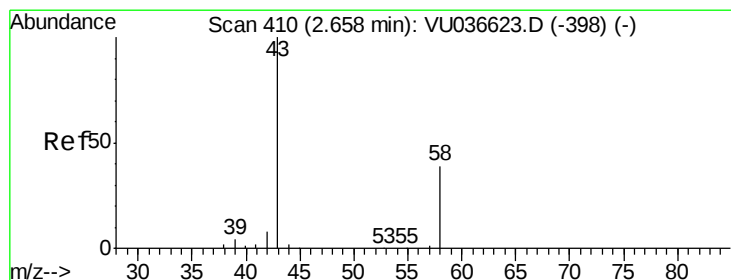
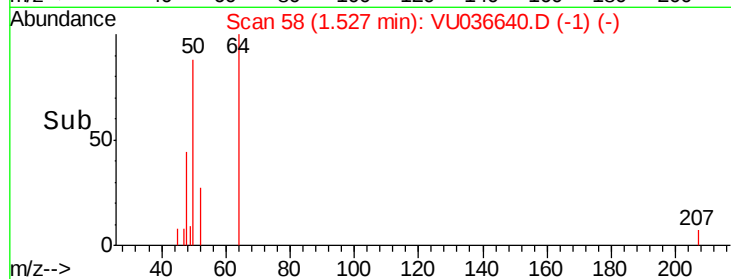
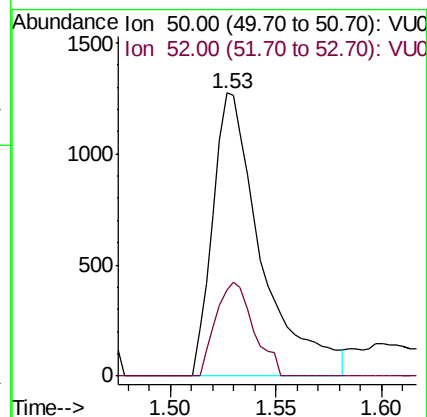
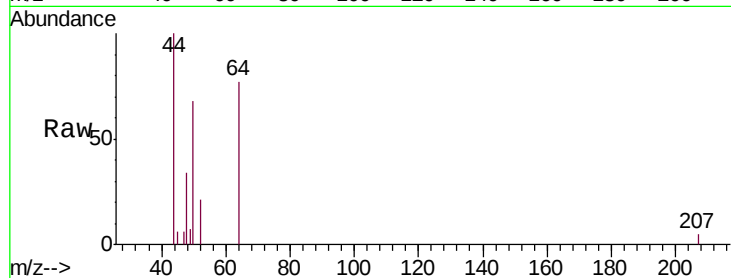
GAT66

Tgt Ion: 50 Resp: 2046

Ion Ratio Lower Upper

50 100

52 30.6 23.2 43.0



#13

Acetone

Concen: 1.908 ug/L

RT: 2.69 min Scan# 420

Delta R.T. 0.03 min

Lab File: VU036640.D

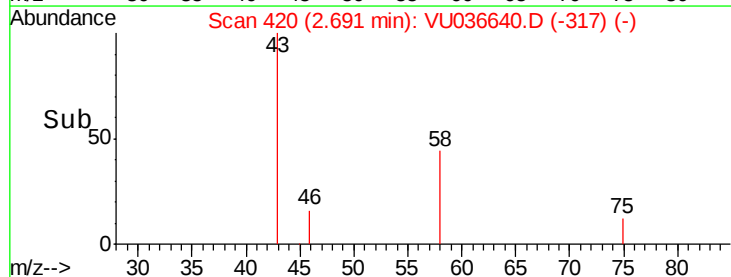
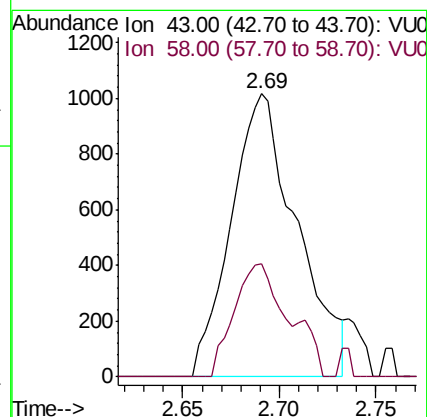
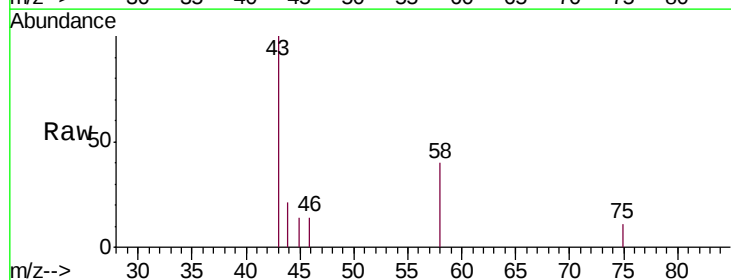
Acq: 31 Jan 2020 00:36

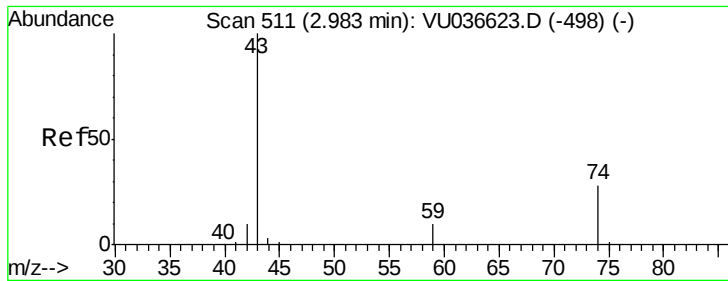
Tgt Ion: 43 Resp: 2404

Ion Ratio Lower Upper

43 100

58 27.9 0.0 75.4

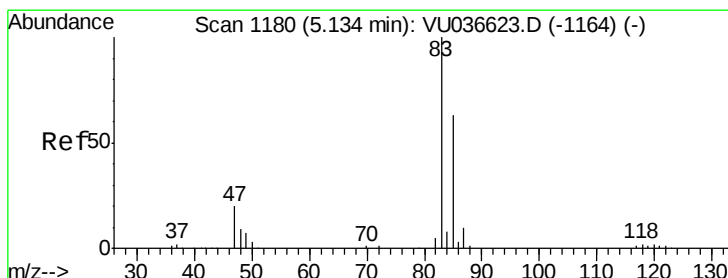
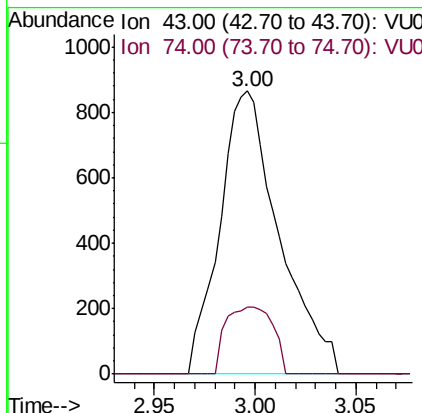
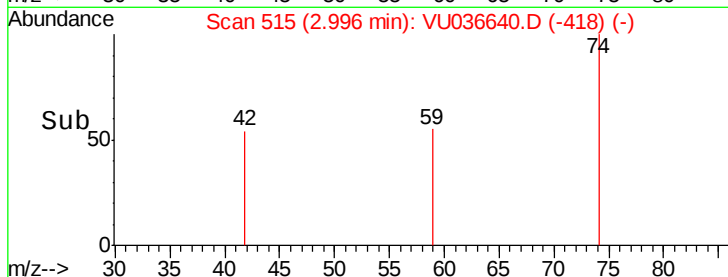
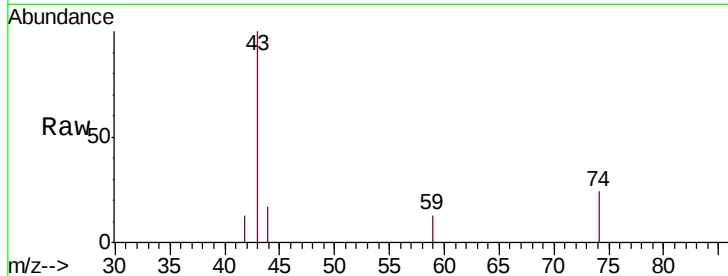




#15
Methyl Acetate
Concen: 0.901 ug/L
RT: 3.00 min Scan# 515
Delta R.T. 0.01 min
Lab File: VU036640.D
Acq: 31 Jan 2020 00:36

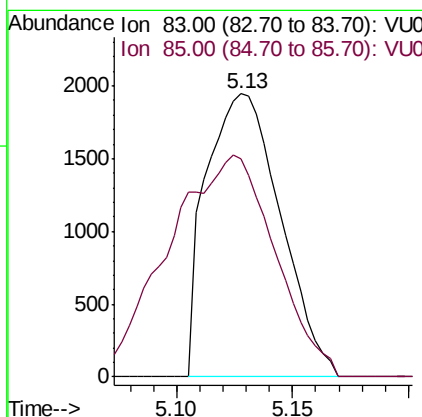
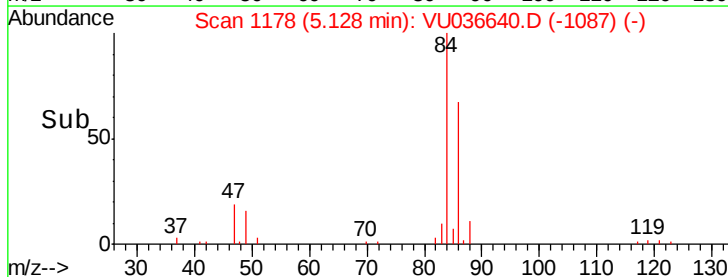
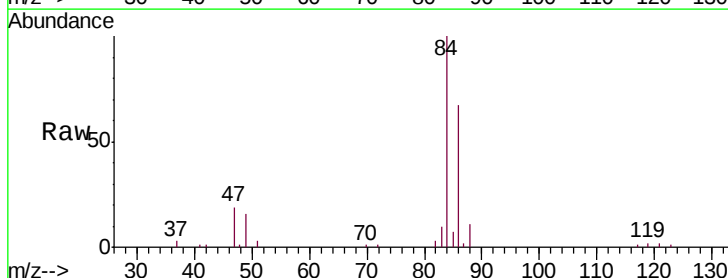
Instrument :
MSVOA_U
ClientSampleId :
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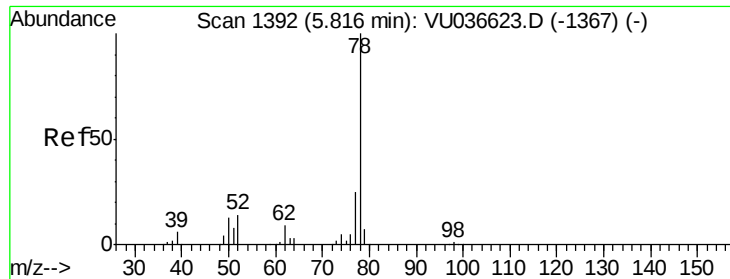
Tgt Ion: 43 Resp: 1776
Ion Ratio Lower Upper
43 100
74 18.9 23.3 34.9#



#25
Chloroform
Concen: 1.210 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VU036640.D
Acq: 31 Jan 2020 00:36

Tgt Ion: 83 Resp: 4327
Ion Ratio Lower Upper
83 100
85 77.0 46.3 85.9





#33

Benzene

Concen: 5.404 ug/L

RT: 5.80 min Scan# 1388

Delta R.T. -0.01 min

Lab File: VU036640.D

Acq: 31 Jan 2020 00:36

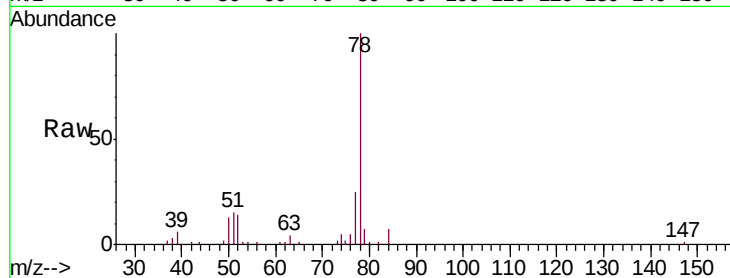
Instrument :

MSVOA_U

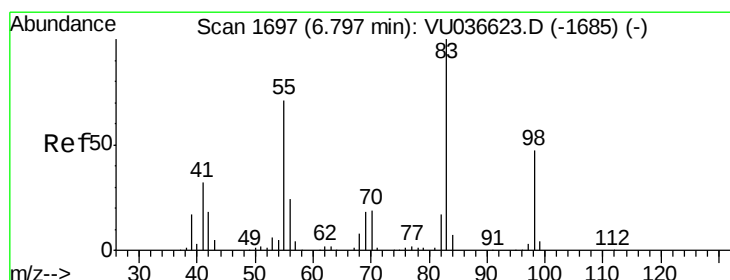
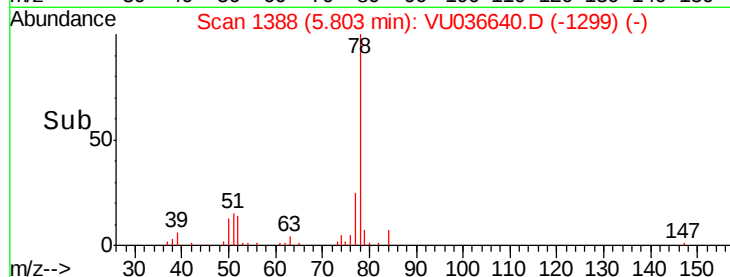
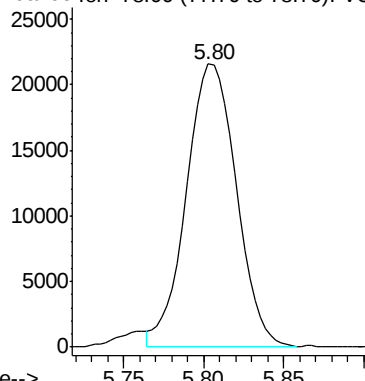
ClientSampleId :

GAT66

Tgt Ion: 78 Resp: 46231



Abundance Ion 78.00 (77.70 to 78.70): VU0



#35

Methylcyclohexane

Concen: 6.585 ug/L

RT: 6.73 min Scan# 1675

Delta R.T. -0.07 min

Lab File: VU036640.D

Acq: 31 Jan 2020 00:36

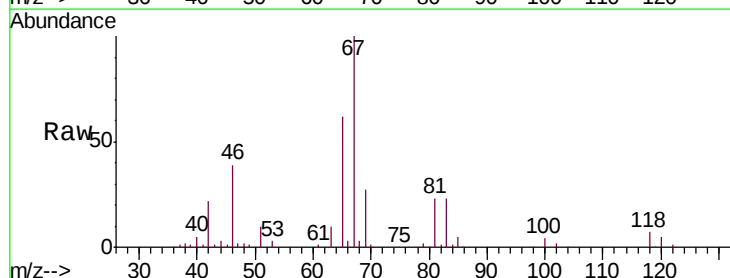
Tgt Ion: 83 Resp: 24184

Ion Ratio Lower Upper

83 100

55 0.0 56.1 84.1#

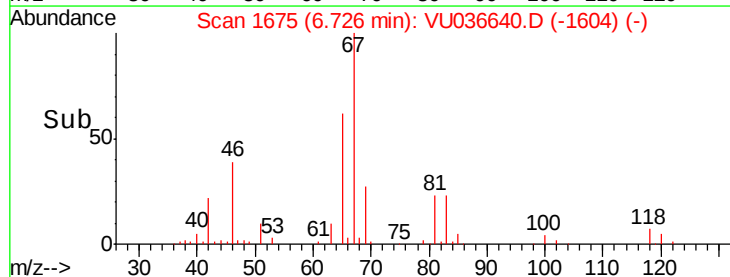
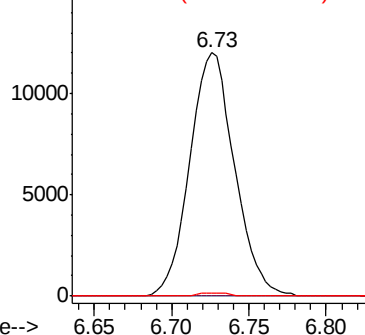
98 0.9 37.5 56.3#

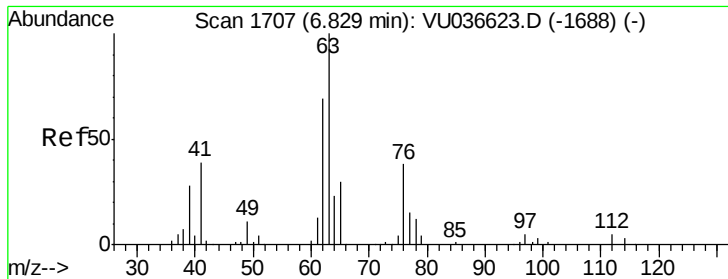


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

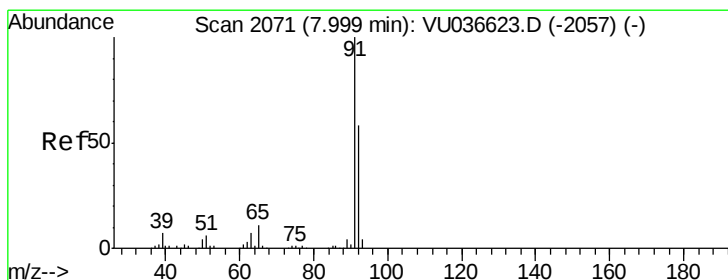
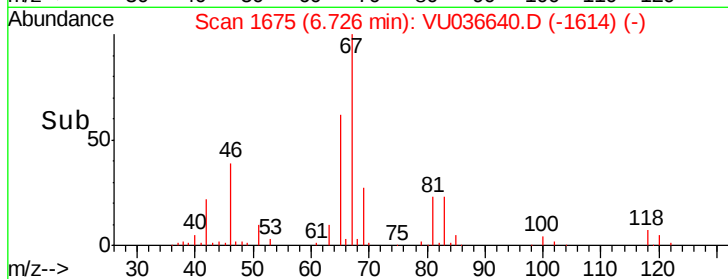
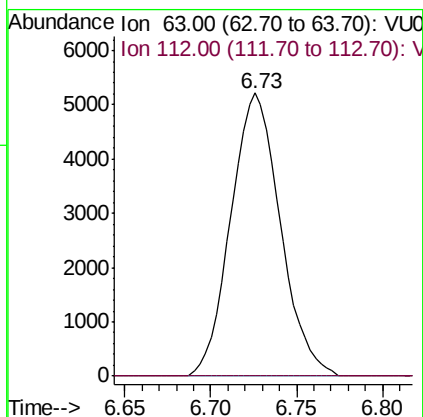
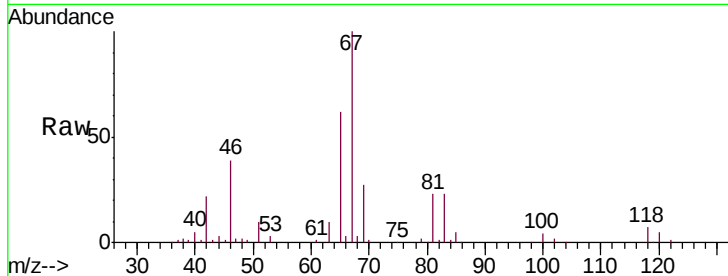




#37
 1,2-Dichloropropane
 Concen: 4.796 ug/L
 RT: 6.73 min Scan# 1675
 Delta R.T. -0.10 min
 Lab File: VU036640.D
 Acq: 31 Jan 2020 00:36

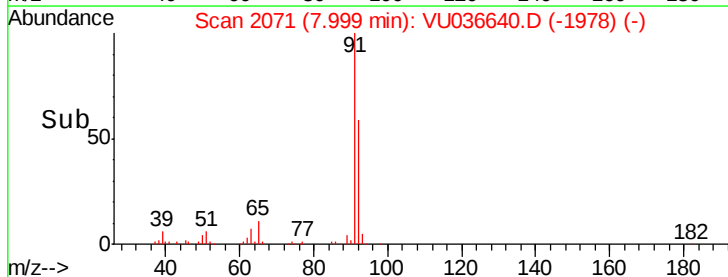
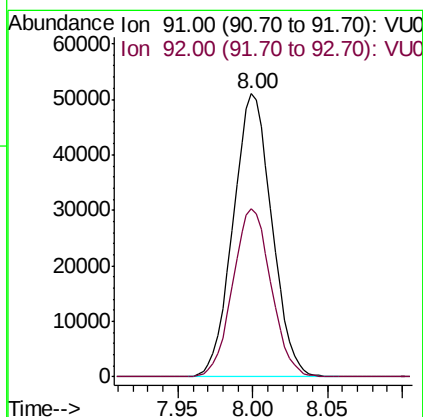
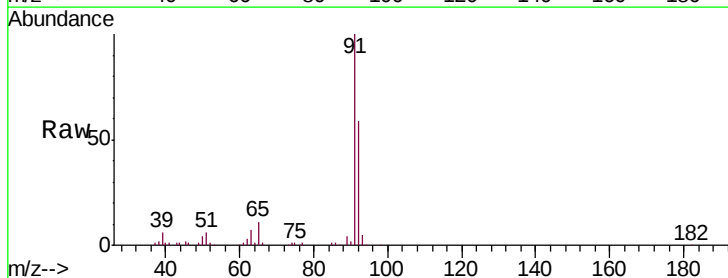
Instrument :
 MSVOA_U
 ClientSampleId :
 GAT66

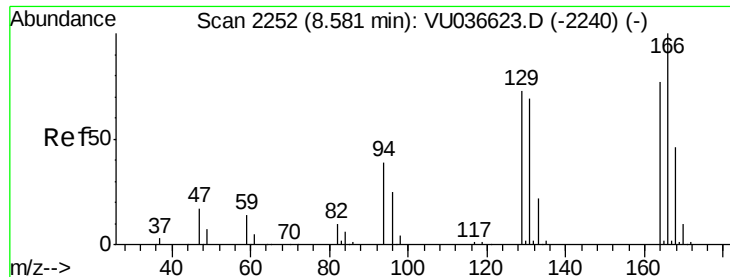
Tgt Ion: 63 Resp: 10428
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#42
 Toluene
 Concen: 9.869 ug/L
 RT: 8.00 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VU036640.D
 Acq: 31 Jan 2020 00:36

Tgt Ion: 91 Resp: 91766
 Ion Ratio Lower Upper
 91 100
 92 59.4 39.9 74.1

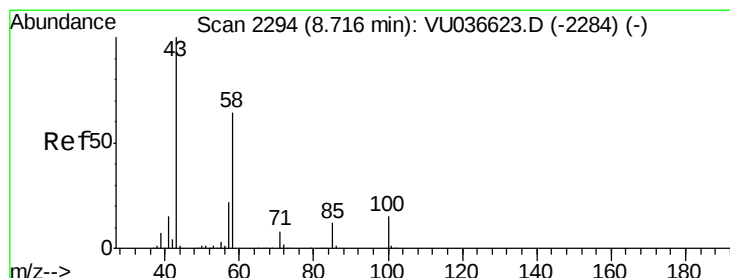
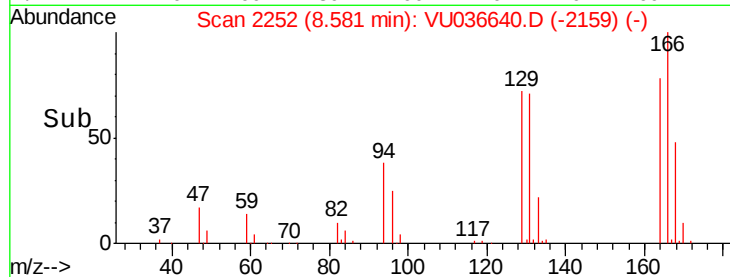
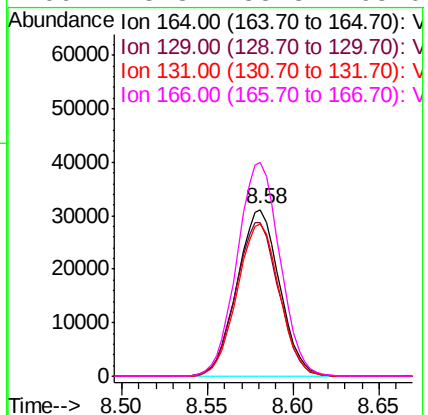
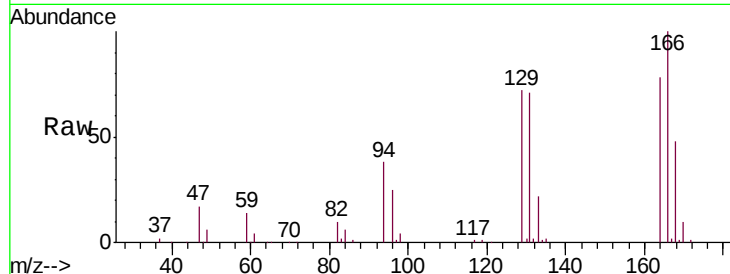




#46
Tetrachloroethene
Concen: 29.952 ug/L
RT: 8.58 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VU036640.D
Acq: 31 Jan 2020 00:36

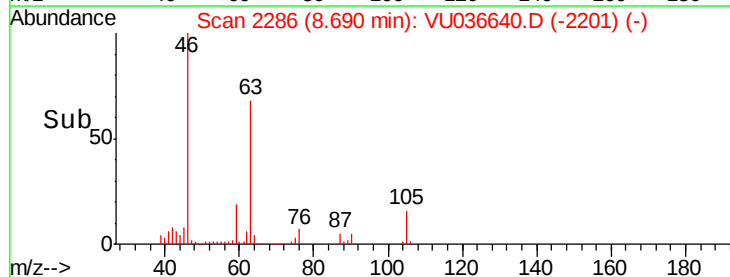
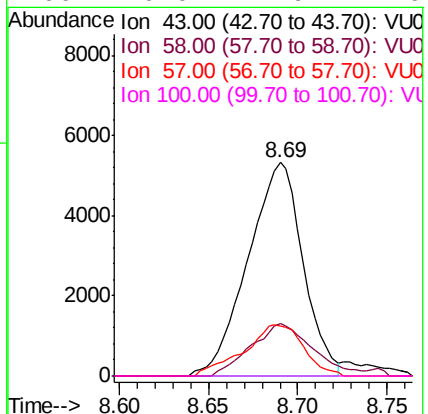
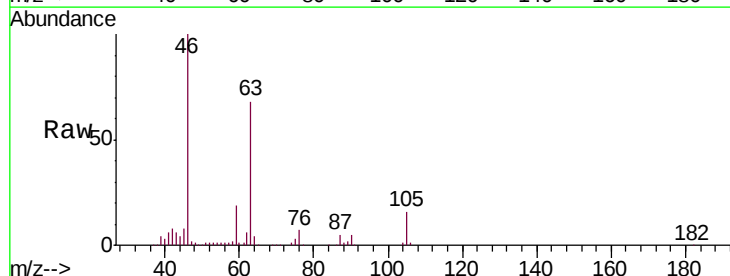
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MSVOA_U
ClientSampleId :
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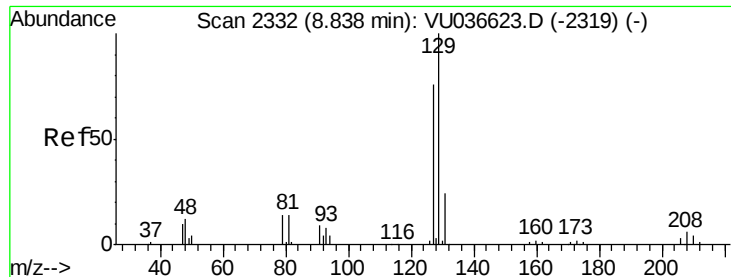
Tgt Ion:164 Resp: 53575
Ion Ratio Lower Upper
164 100
129 91.9 64.2 119.2
131 91.5 61.8 114.8
166 128.3 88.8 165.0



#48
2-Hexanone
Concen: 5.448 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.03 min
Lab File: VU036640.D
Acq: 31 Jan 2020 00:36

Tgt Ion: 43 Resp: 11437
Ion Ratio Lower Upper
43 100
58 27.4 49.4 74.0#
57 26.1 17.1 25.7#
100 0.0 11.9 17.9#





#49

Dibromochloromethane

Concen: 21.498 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.26 min

Lab File: VU036640.D

Acq: 31 Jan 2020 00:36

Instrument :

MSVOA_U

ClientSampleId :

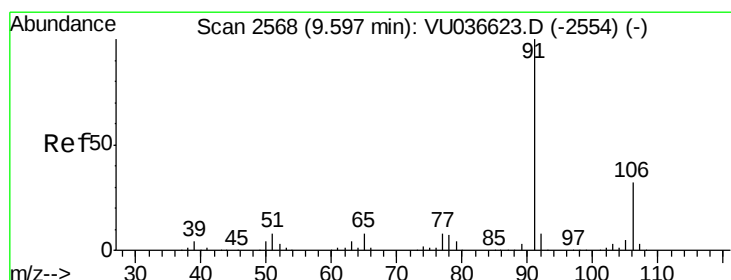
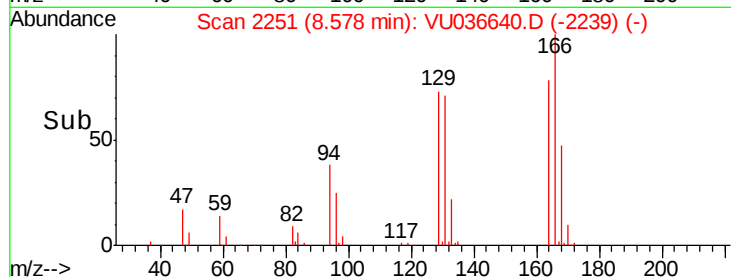
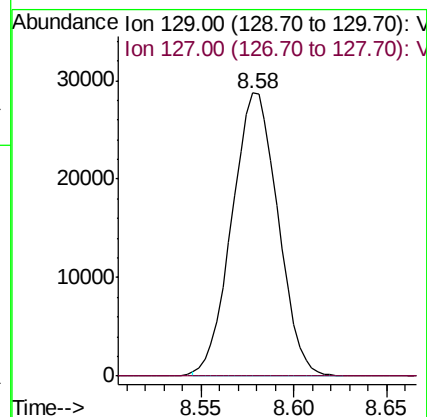
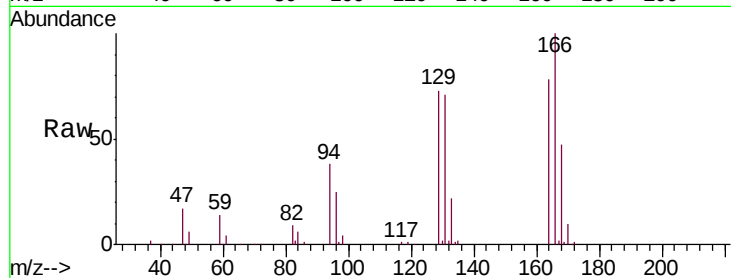
GAT66

Tgt Ion:129 Resp: 49628

Ion Ratio Lower Upper

129 100

127 0.0 54.0 100.2#



#52

Ethylbenzene

Concen: 27.079 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU036640.D

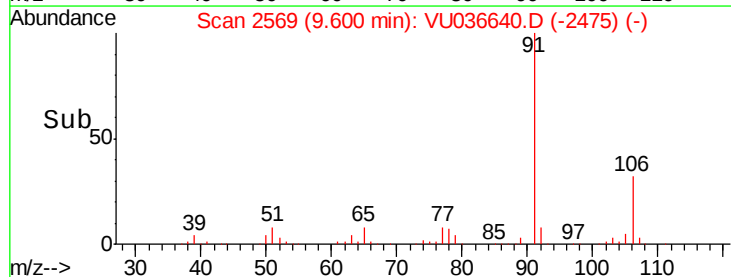
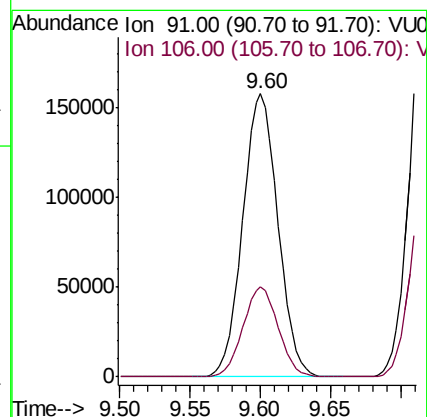
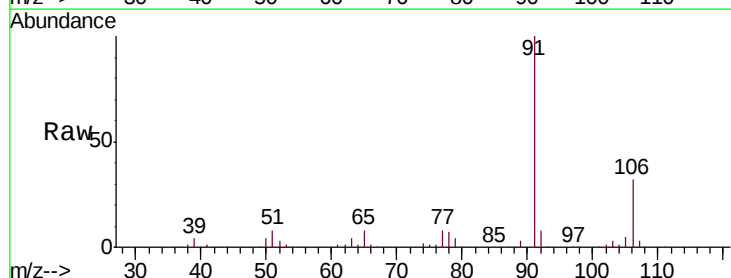
Acq: 31 Jan 2020 00:36

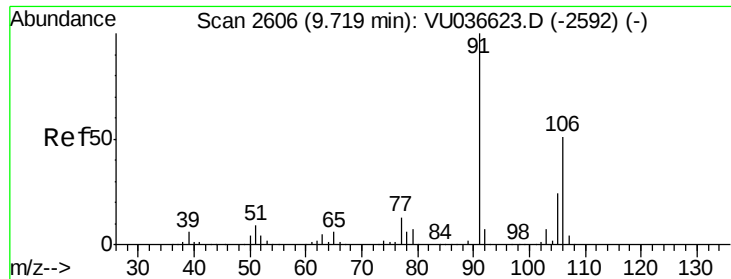
Tgt Ion: 91 Resp: 275814

Ion Ratio Lower Upper

91 100

106 31.7 22.6 42.0

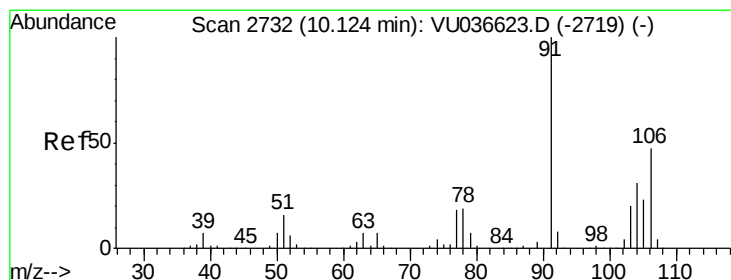
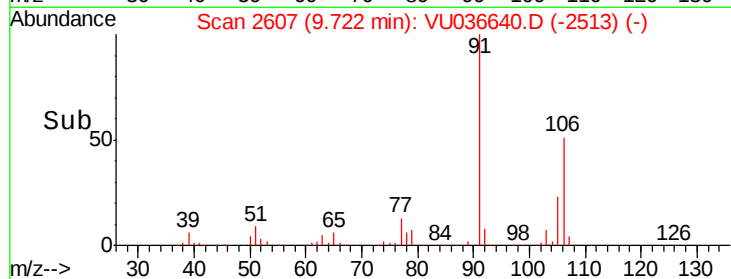
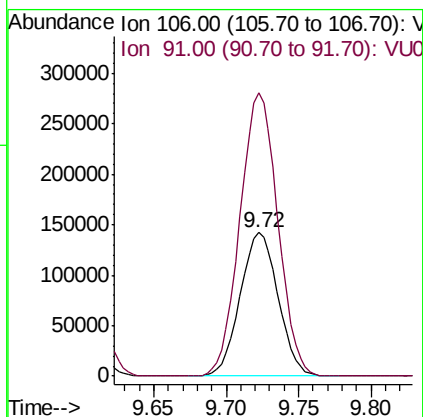
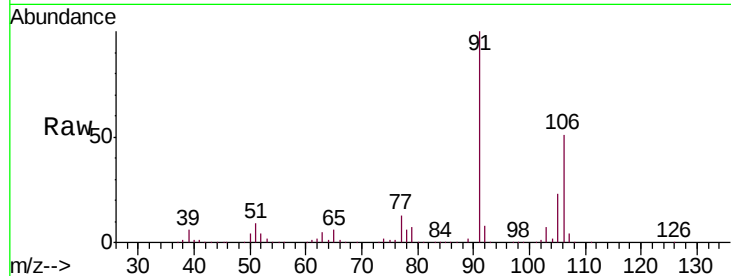




#53
m,p-Xylene
Concen: 65.045 ug/L
RT: 9.72 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VU036640.D
Acq: 31 Jan 2020 00:36

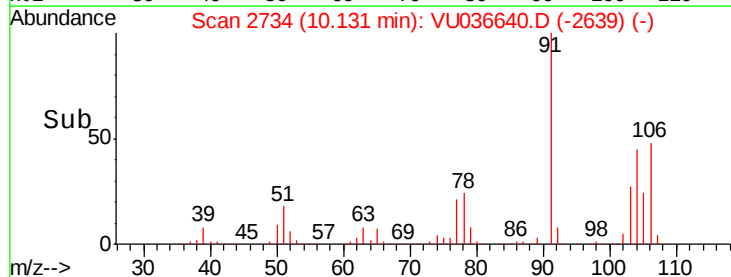
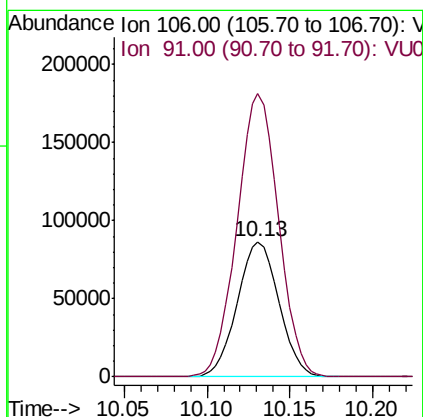
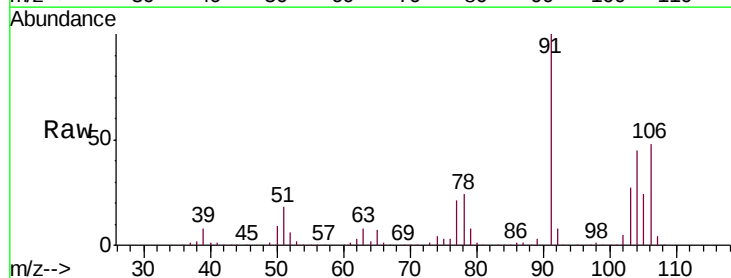
Instrument :
MSVOA_U
ClientSampleId :
GAT66

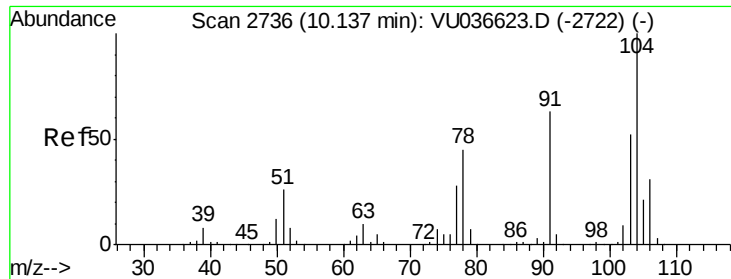
Tgt Ion:106 Resp: 258402
Ion Ratio Lower Upper
106 100
91 197.1 139.4 259.0



#54
o-xylene
Concen: 38.045 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.01 min
Lab File: VU036640.D
Acq: 31 Jan 2020 00:36

Tgt Ion:106 Resp: 150758
Ion Ratio Lower Upper
106 100
91 209.8 145.9 271.1





#55

Styrene

Concen: 55.673 ug/L

RT: 10.15 min Scan# 2739

Delta R.T. 0.01 min

Lab File: VU036640.D

Acq: 31 Jan 2020 00:36

Instrument :

MSVOA_U

ClientSampleId :

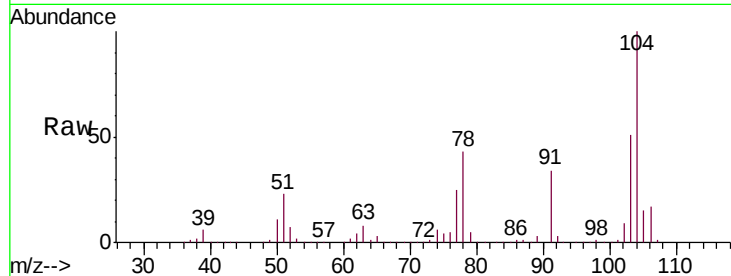
GAT66

Tgt Ion:104 Resp: 358011

Ion Ratio Lower Upper

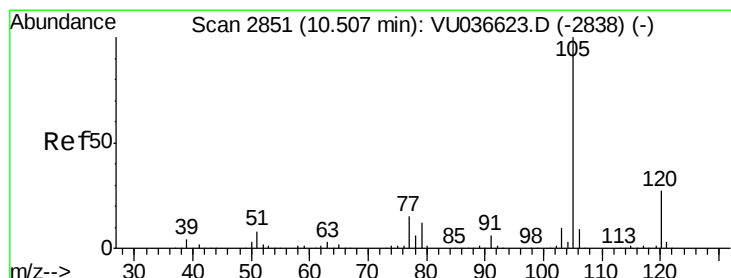
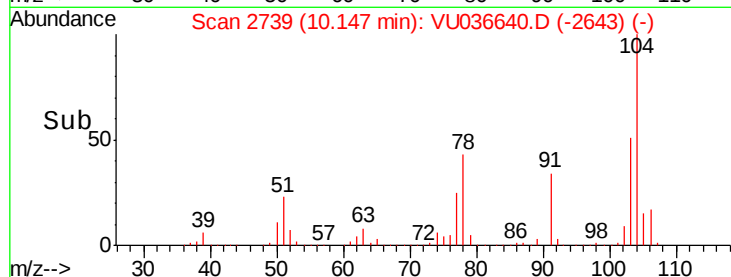
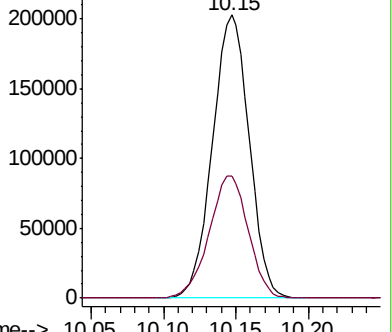
104 100

78 43.0 30.1 55.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



#56

Isopropylbenzene

Concen: 0.949 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.01 min

Lab File: VU036640.D

Acq: 31 Jan 2020 00:36

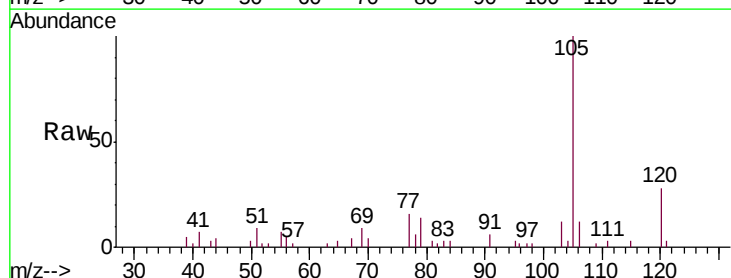
Tgt Ion:105 Resp: 9566

Ion Ratio Lower Upper

105 100

120 27.4 21.6 32.4

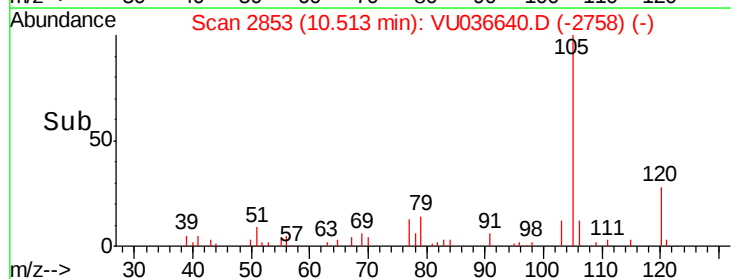
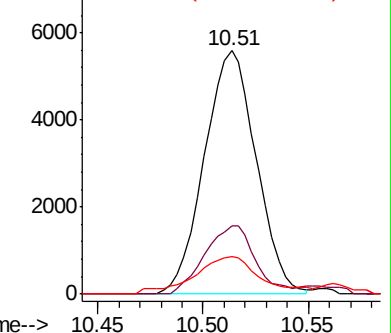
77 14.3 11.8 17.8

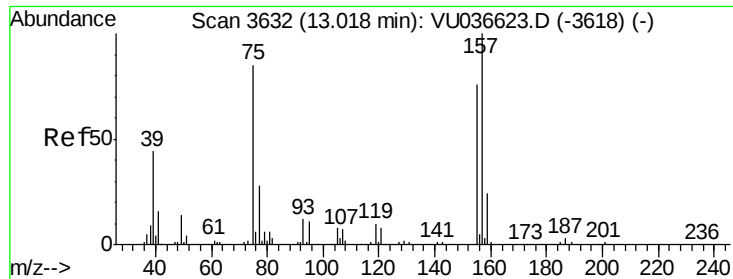


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#66

1,2-Dibromo-3-chloropropane

Concen: 5.583 ug/L

RT: 13.05 min Scan# 3643

Delta R.T. 0.04 min

Lab File: VU036640.D

Acq: 31 Jan 2020 00:36

Instrument :

MSVOA_U

ClientSampleId :

GAT66

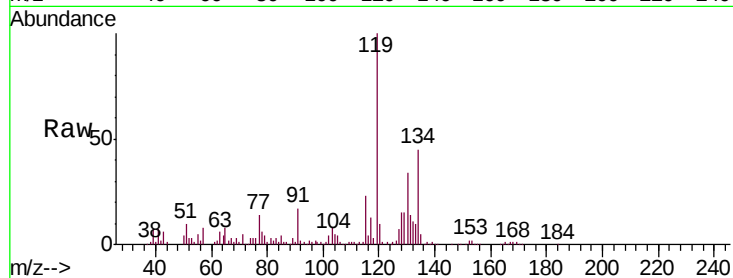
Tgt Ion: 75 Resp: 4812

Ion Ratio Lower Upper

75 100

155 17.9 73.4 110.2#

157 0.0 96.8 145.2#



Abundance Ion 75.00 (74.70 to 75.70): VU036640.D (-3508) (-)

Ion 155.00 (154.70 to 155.70): VU036640.D (-3508) (-)

Ion 157.00 (156.70 to 157.70): VU036640.D (-3508) (-)

