

Data File : VU036641.D
Acq On : 31 Jan 2020 01:01
Operator : JC/MD
Sample : L1324-17
Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAT72

Quant Time: Jan 31 04:06:15 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	311861	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	301645	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	165539	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	73921	31.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.30%
7) Chloroethane-d5	1.89	69	17422	8.69	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	17.38%#
11) 1,1-Dichloroethene-d2	2.61	63	79	0.02	ug/L	0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.04%#
21) 2-Butanone-d5	4.70	46	74198	53.52	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	53.52%
24) Chloroform-d	5.11	84	147707	38.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.24%
26) 1,2-Dichloroethane-d4	5.74	65	97455	40.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.76%
32) Benzene-d6	5.76	84	344352	40.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.16%
36) 1,2-Dichloropropane-d6	6.73	67	111656	42.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.46%
41) Toluene-d8	7.93	98	335860	41.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.28%
43) trans-1,3-Dichloropropene-	8.21	79	51635	41.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.12%
47) 2-Hexanone-d5	8.69	63	129833	105.89	ug/L	0.03
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.89%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	168522	43.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.70%
64) 1,2-Dichlorobenzene-d4	12.22	152	149170	41.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.98%

Target Compounds

					Qvalue
3) Chloromethane	1.53	50	2117	0.837 ug/L	84
13) Acetone	2.68	43	2417	1.801 ug/L	99
25) Chloroform	5.13	83	5217	1.370 ug/L	90
33) Benzene	5.81	78	61964	6.871 ug/L	100
35) Methylcyclohexane	6.73	83	25095	6.482 ug/L #	21
37) 1,2-Dichloropropane	6.73	63	11131	4.856 ug/L #	87
42) Toluene	8.00	91	193968	19.787 ug/L	98
46) Tetrachloroethene	8.58	164	44919	23.820 ug/L	99
48) 2-Hexanone	8.69	43	11822	5.341 ug/L #	64
49) Dibromochloromethane	8.58	129	41723	17.143 ug/L #	11
52) Ethylbenzene	9.60	91	1440235	134.121 ug/L	100
53) m,p-Xylene	9.73	106	213785	51.043 ug/L	98
54) o-xylene	10.13	106	257380	61.607 ug/L	98
55) Styrene	10.14	104	56563	8.343 ug/L #	55
56) Isopropylbenzene	10.51	105	17515	1.649 ug/L	96
66) 1,2-Dibromo-3-chloropropan	13.06	75	5067	5.574 ug/L #	2

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

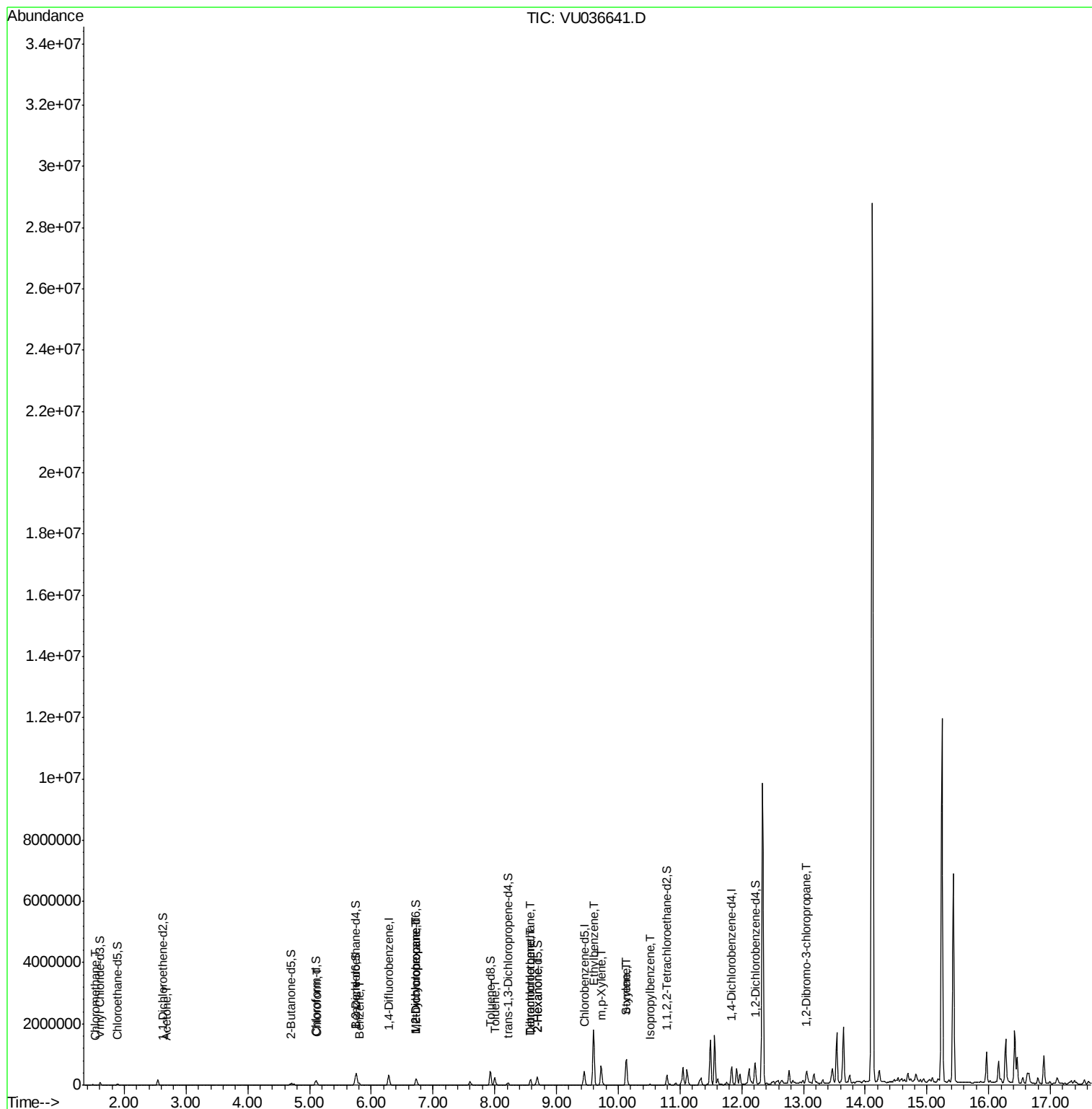
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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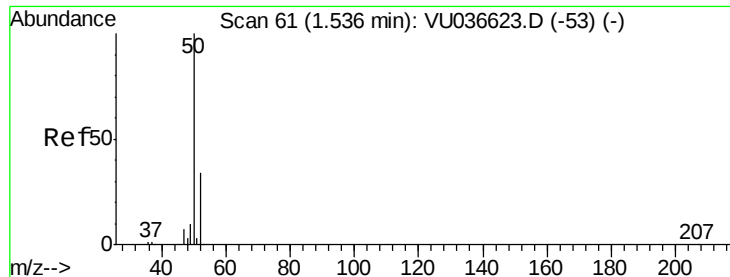
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.837 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.01 min

Lab File: VU036641.D

Acq: 31 Jan 2020 01:01

Instrument :

MSVOA_U

ClientSampleId :

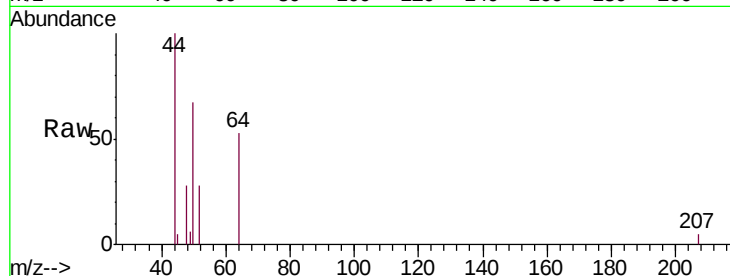
GAT72

Tgt Ion: 50 Resp: 2117

Ion Ratio Lower Upper

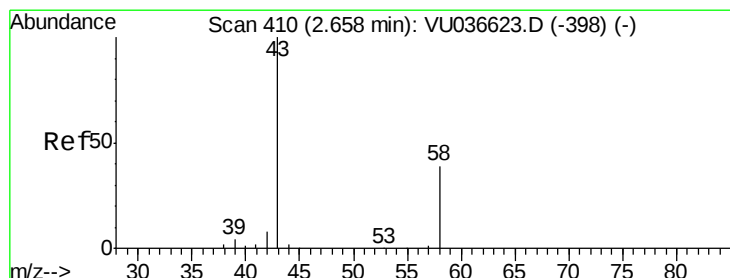
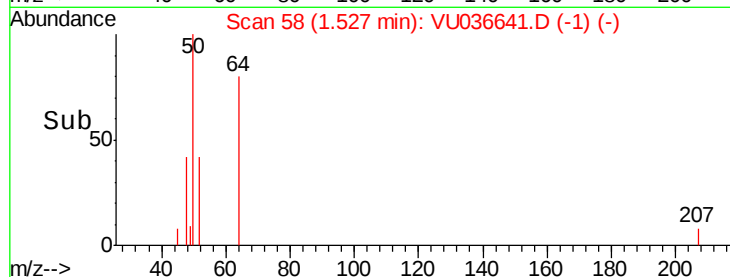
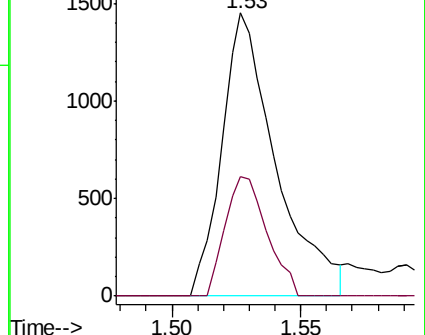
50 100

52 42.2 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU036641.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU036641.D (-53) (-)



#13

Acetone

Concen: 1.801 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.03 min

Lab File: VU036641.D

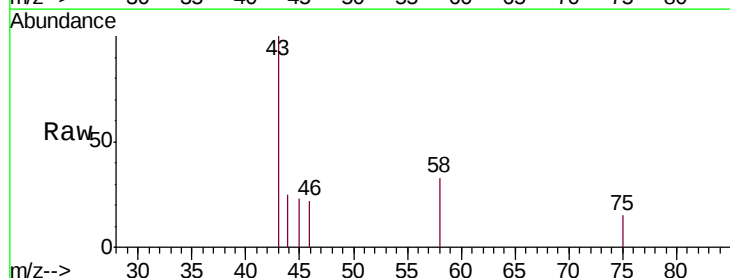
Acq: 31 Jan 2020 01:01

Tgt Ion: 43 Resp: 2417

Ion Ratio Lower Upper

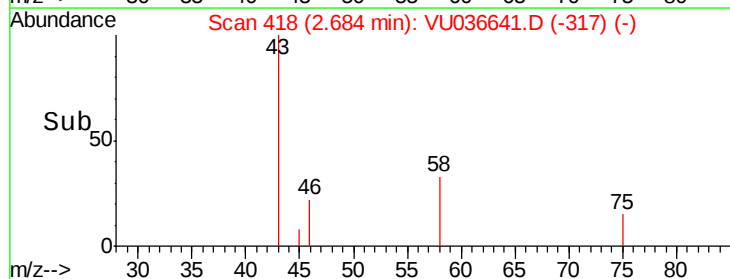
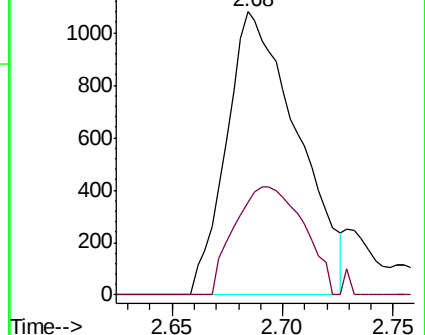
43 100

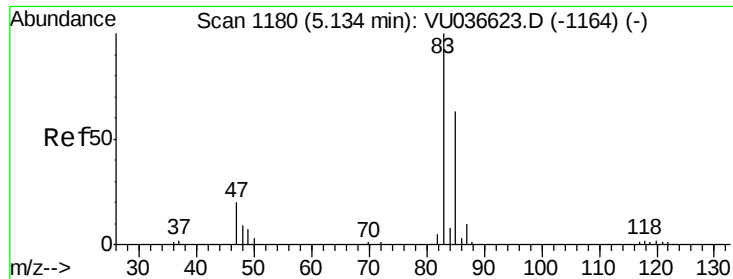
58 37.2 0.0 75.4



Abundance Ion 43.00 (42.70 to 43.70): VU036641.D (-398) (-)

Ion 58.00 (57.70 to 58.70): VU036641.D (-398) (-)

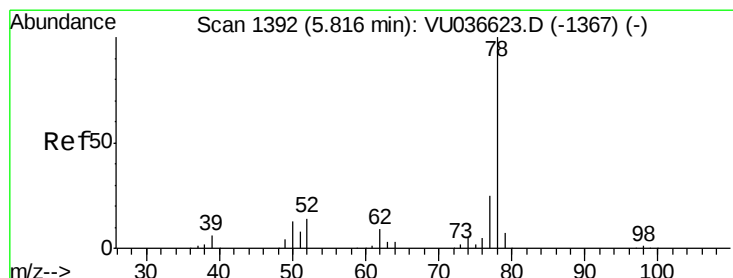
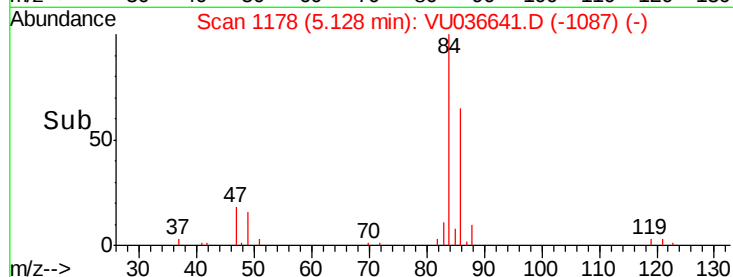
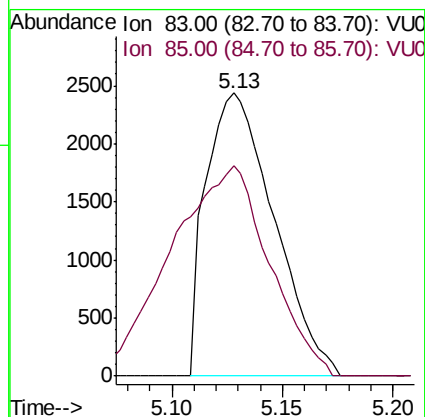
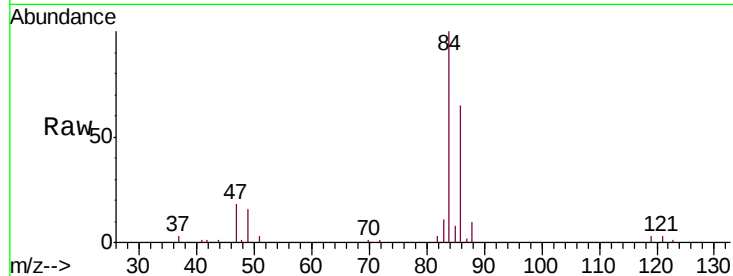




#25
Chloroform
Concen: 1.370 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VU036641.D
Acq: 31 Jan 2020 01:01

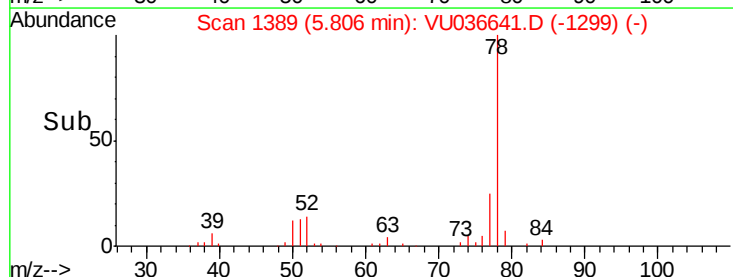
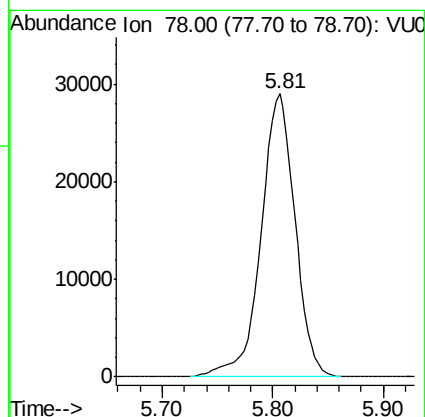
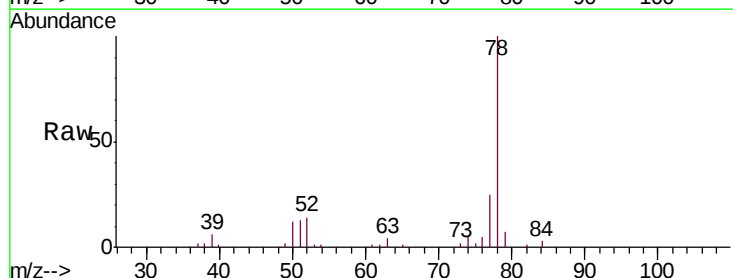
Instrument :
MSVOA_U
ClientSampleId :
GAT72

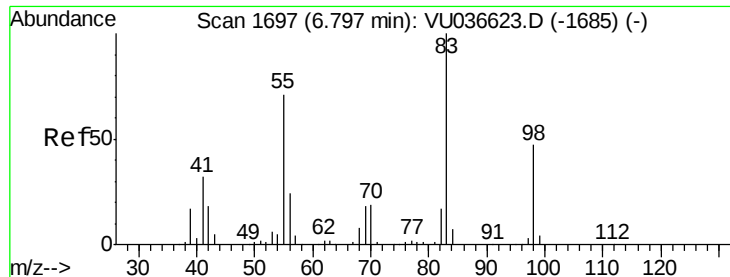
Tgt Ion: 83 Resp: 5217
Ion Ratio Lower Upper
83 100
85 74.1 46.3 85.9



#33
Benzene
Concen: 6.871 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VU036641.D
Acq: 31 Jan 2020 01:01

Tgt Ion: 78 Resp: 61964

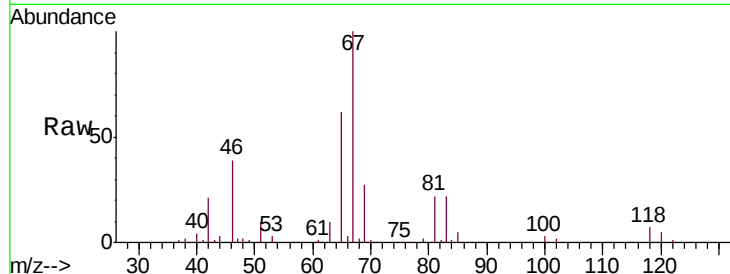




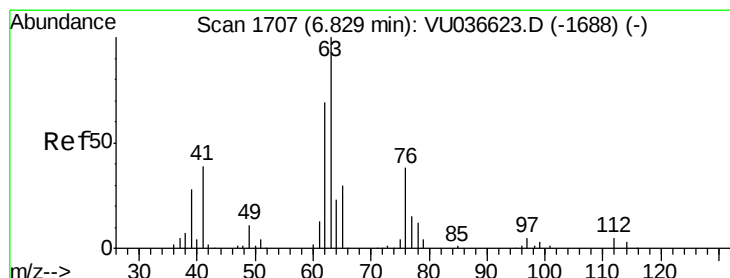
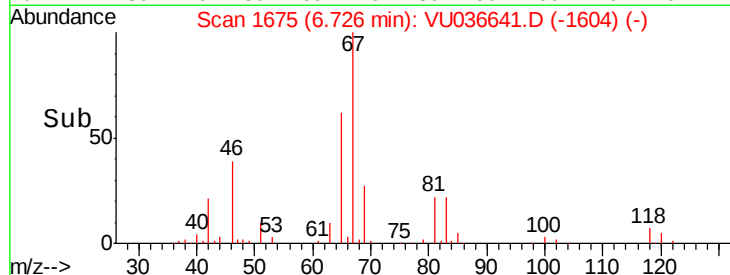
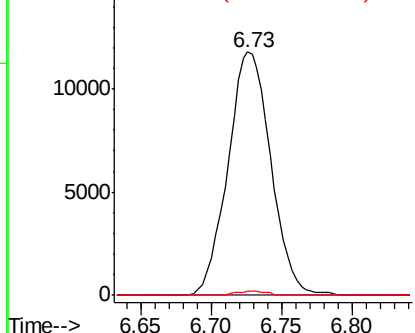
#35
Methylcyclohexane
Concen: 6.482 ug/L
RT: 6.73 min Scan# 1675
Delta R.T. -0.07 min
Lab File: VU036641.D
Acq: 31 Jan 2020 01:01

Instrument :
MSVOA_U
ClientSampleId :
GAT72

Tgt Ion: 83 Resp: 25095
Ion Ratio Lower Upper
83 100
55 0.0 56.1 84.1#
98 1.2 37.5 56.3#

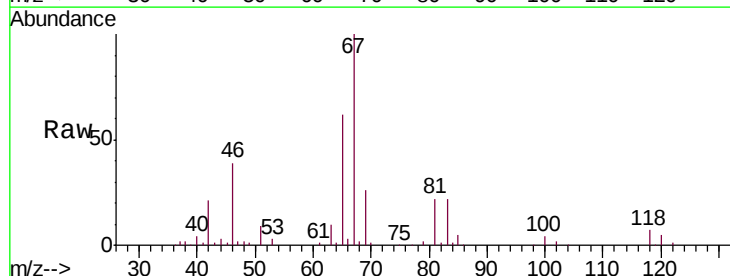


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

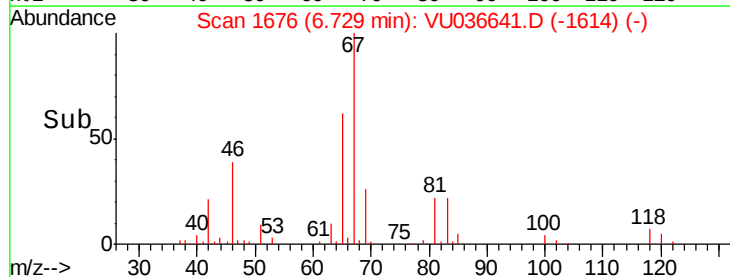
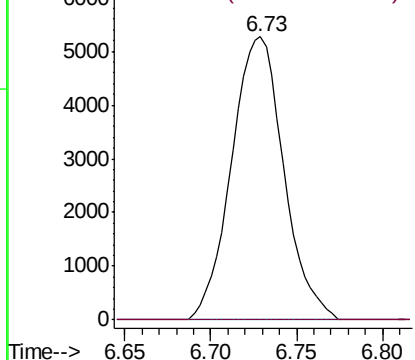


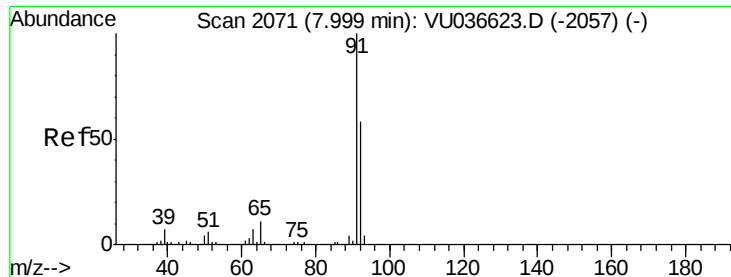
#37
1,2-Dichloropropane
Concen: 4.856 ug/L
RT: 6.73 min Scan# 1676
Delta R.T. -0.10 min
Lab File: VU036641.D
Acq: 31 Jan 2020 01:01

Tgt Ion: 63 Resp: 11131
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V





#42

Toluene

Concen: 19.787 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036641.D

Acq: 31 Jan 2020 01:01

Instrument :

MSVOA_U

ClientSampleId :

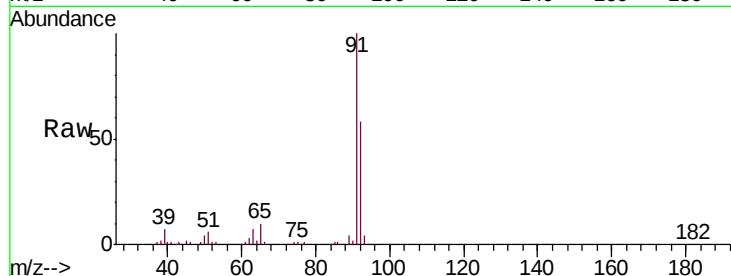
GAT72

Tgt Ion: 91 Resp: 193968

Ion Ratio Lower Upper

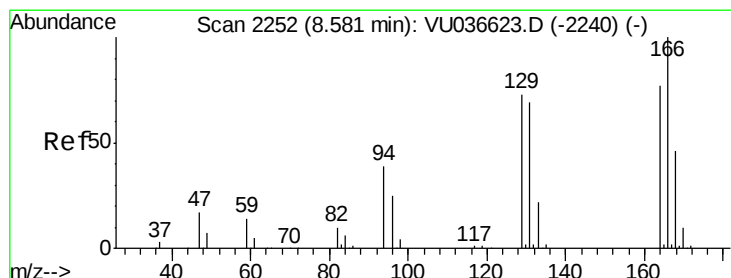
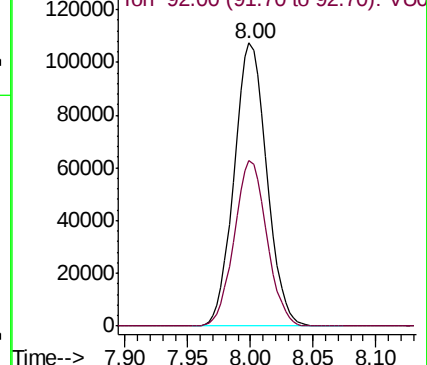
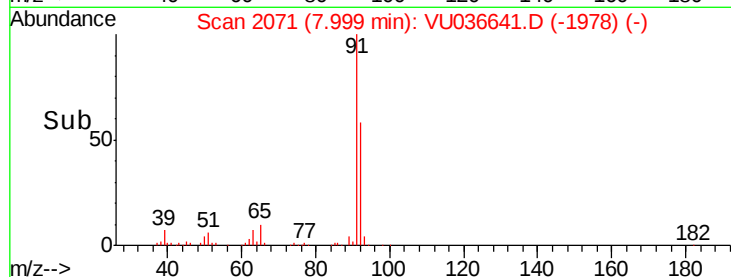
91 100

92 58.5 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU036641.D (-1978) (-)

Ion 92.00 (91.70 to 92.70): VU036641.D (-1978) (-)



#46

Tetrachloroethene

Concen: 23.820 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU036641.D

Acq: 31 Jan 2020 01:01

Tgt Ion: 164 Resp: 44919

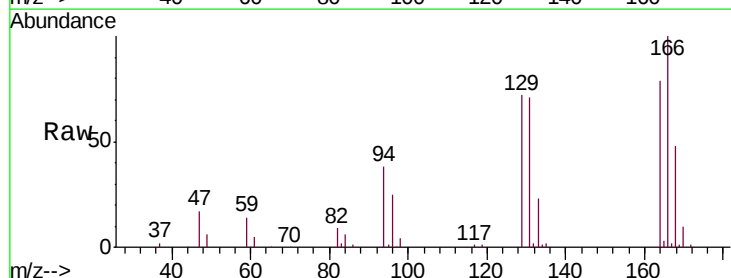
Ion Ratio Lower Upper

164 100

129 90.9 64.2 119.2

131 89.7 61.8 114.8

166 126.8 88.8 165.0

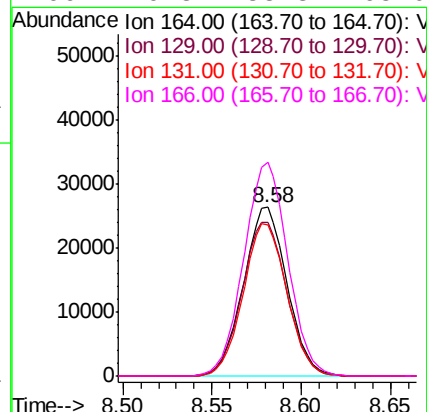
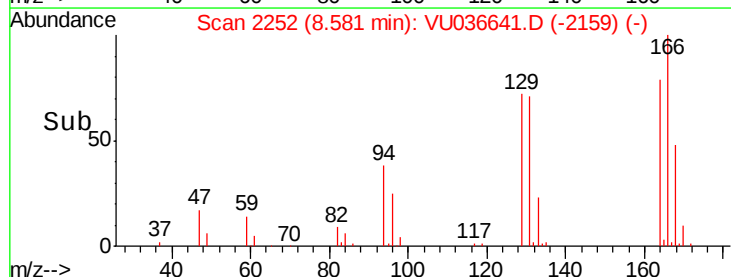


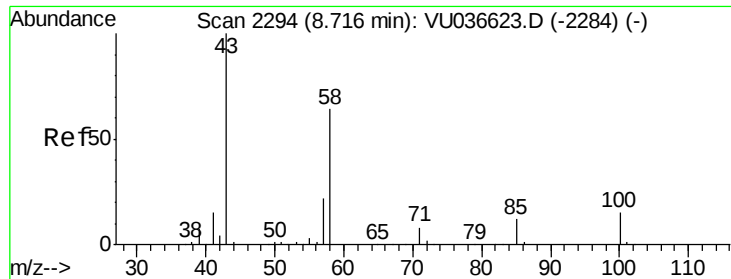
Abundance Ion 164.00 (163.70 to 164.70): VU036641.D (-2159) (-)

Ion 129.00 (128.70 to 129.70): VU036641.D (-2159) (-)

Ion 131.00 (130.70 to 131.70): VU036641.D (-2159) (-)

Ion 166.00 (165.70 to 166.70): VU036641.D (-2159) (-)

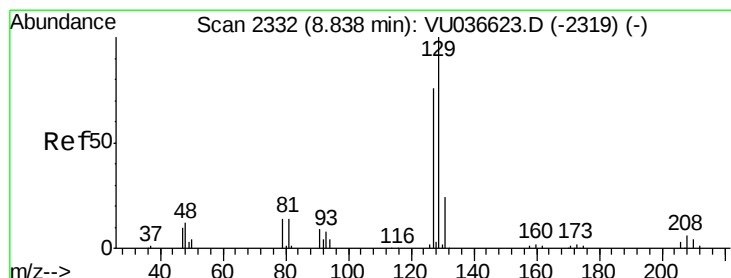
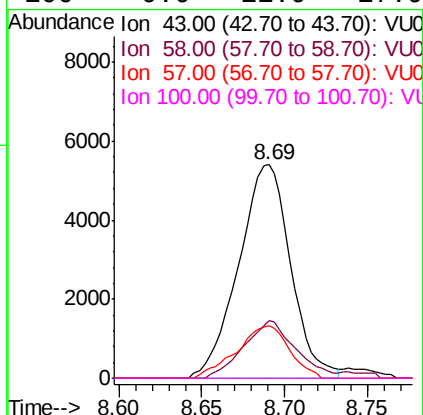
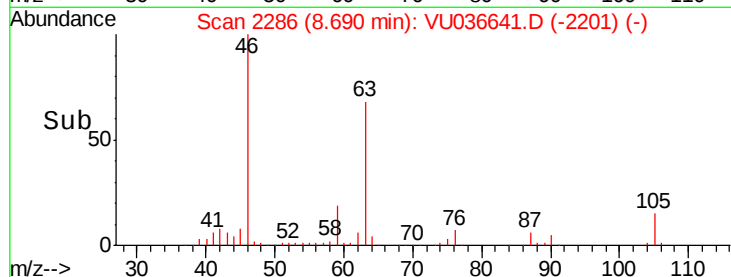
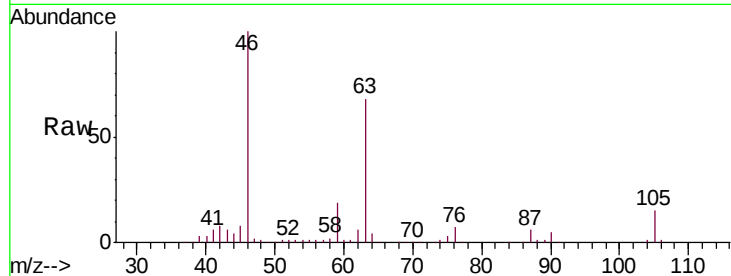




#48
2-Hexanone
Concen: 5.341 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.03 min
Lab File: VU036641.D
Acq: 31 Jan 2020 01:01

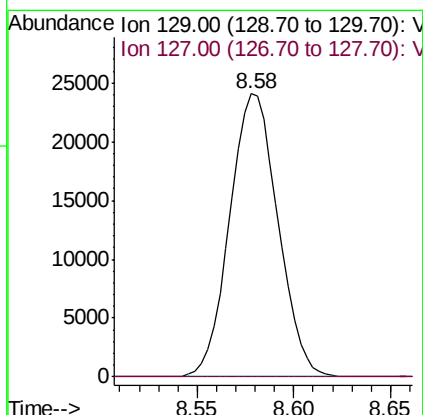
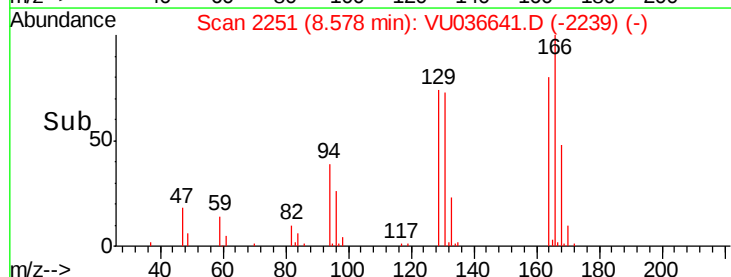
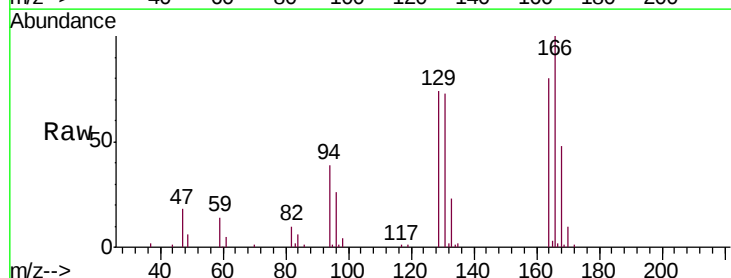
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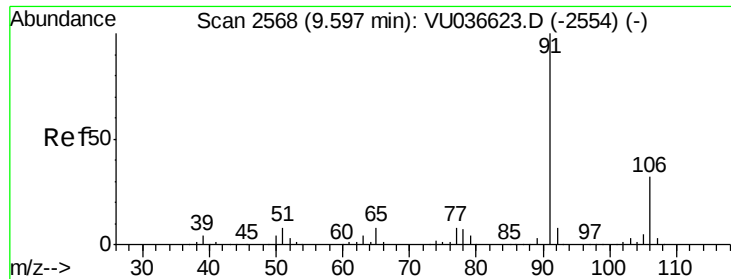
Tgt Ion: 43 Resp: 11822
Ion Ratio Lower Upper
43 100
58 26.9 49.4 74.0#
57 24.9 17.1 25.7
100 0.0 11.9 17.9#



#49
Dibromochloromethane
Concen: 17.143 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. -0.26 min
Lab File: VU036641.D
Acq: 31 Jan 2020 01:01

Tgt Ion: 129 Resp: 41723
Ion Ratio Lower Upper
129 100
127 0.0 54.0 100.2#





#52

Ethylbenzene

Concen: 134.121 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU036641.D

Acq: 31 Jan 2020 01:01

Instrument :

MSVOA_U

ClientSampleId :

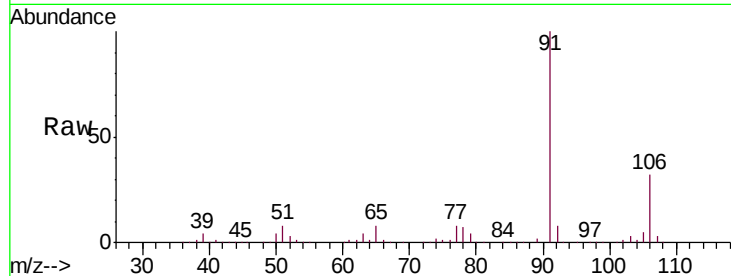
GAT72

Tgt Ion: 91 Resp: 1440235

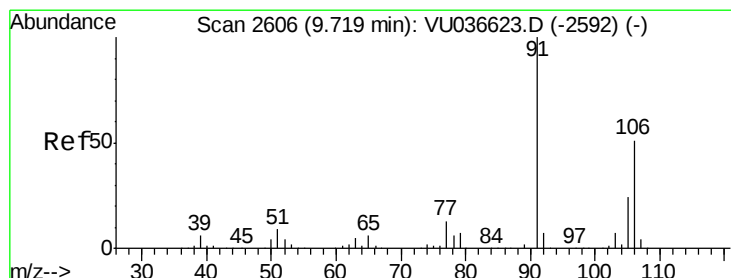
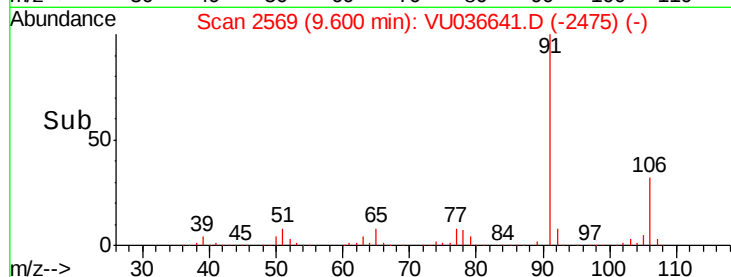
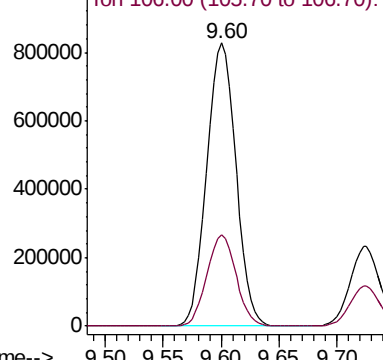
Ion Ratio Lower Upper

91 100

106 32.3 22.6 42.0



Abundance Ion 91.00 (90.70 to 91.70): VU036641.D (-2554) (-)



#53

m,p-Xylene

Concen: 51.043 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. 0.01 min

Lab File: VU036641.D

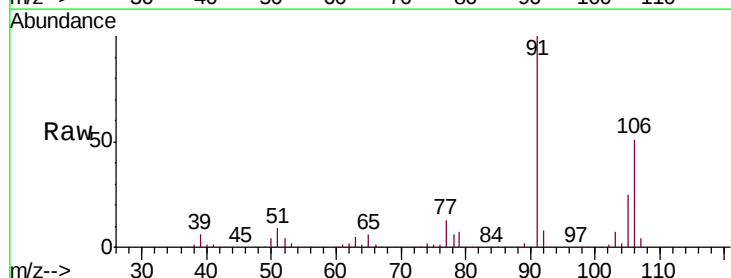
Acq: 31 Jan 2020 01:01

Tgt Ion: 106 Resp: 213785

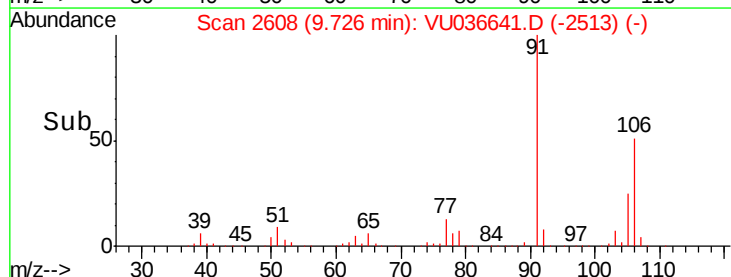
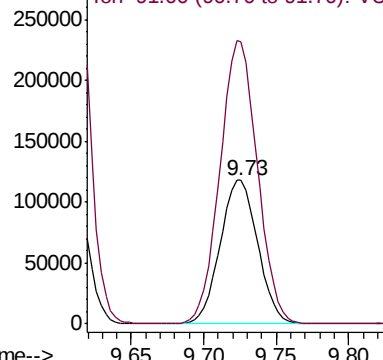
Ion Ratio Lower Upper

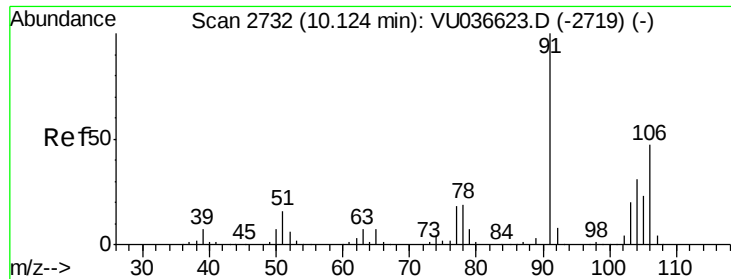
106 100

91 196.3 139.4 259.0



Abundance Ion 106.00 (105.70 to 106.70): VU036641.D (-2513) (-)





#54

o-xylene

Concen: 61.607 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.01 min

Lab File: VU036641.D

Acq: 31 Jan 2020 01:01

Instrument :

MSVOA_U

ClientSampleId :

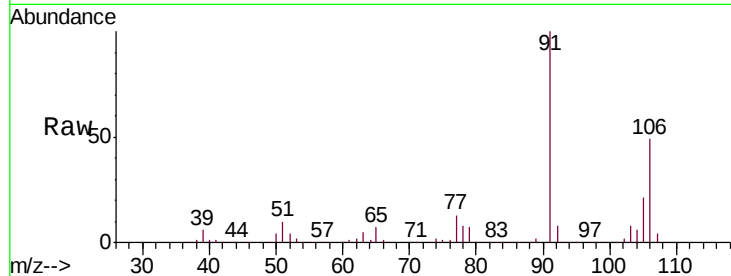
GAT72

Tgt Ion:106 Resp: 257380

Ion Ratio Lower Upper

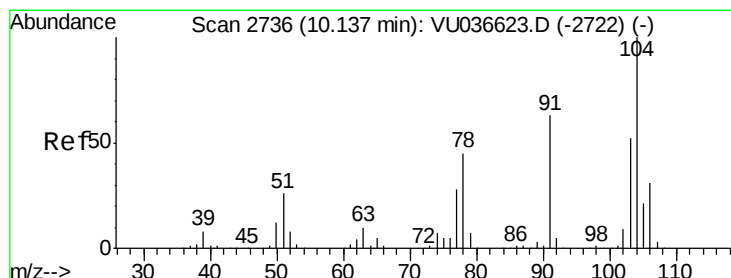
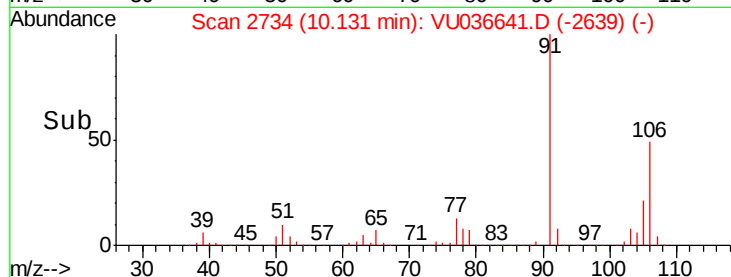
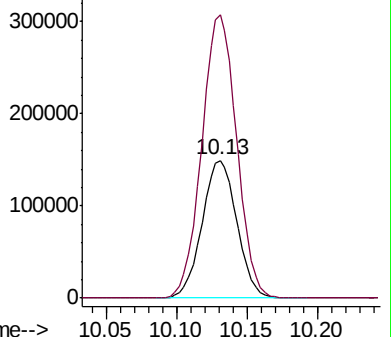
106 100

91 205.1 145.9 271.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 8.343 ug/L

RT: 10.14 min Scan# 2738

Delta R.T. 0.01 min

Lab File: VU036641.D

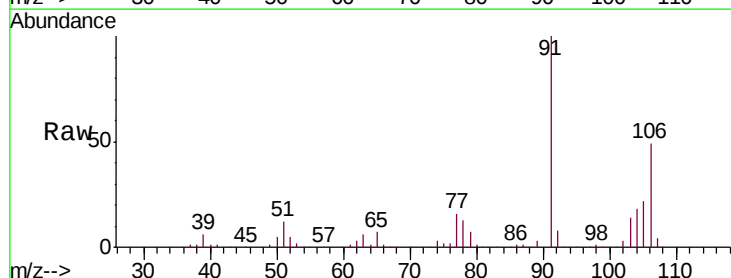
Acq: 31 Jan 2020 01:01

Tgt Ion:104 Resp: 56563

Ion Ratio Lower Upper

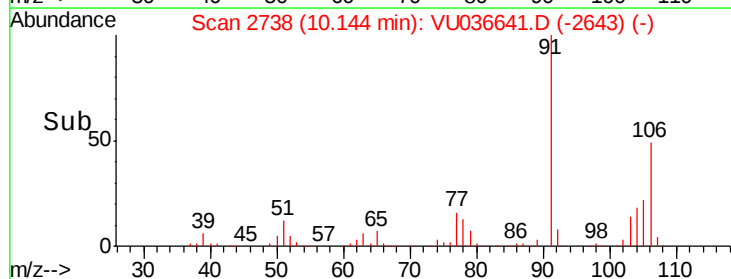
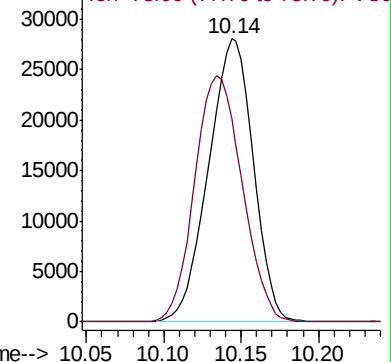
104 100

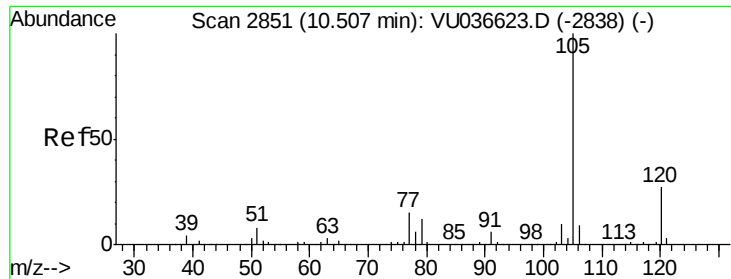
78 71.5 30.1 55.9#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 1.649 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.01 min

Lab File: VU036641.D

Acq: 31 Jan 2020 01:01

Instrument :

MSVOA_U

ClientSampled :

GAT72

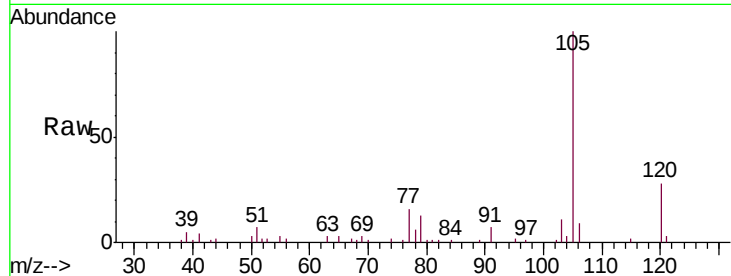
Tgt Ion: 105 Resp: 17515

Ion Ratio Lower Upper

105 100

120 29.6 21.6 32.4

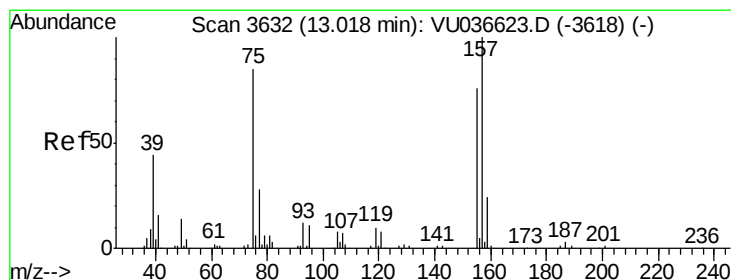
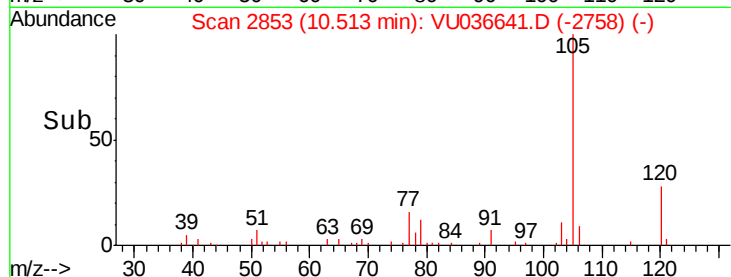
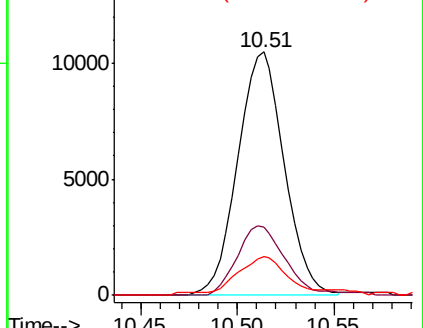
77 15.8 11.8 17.8



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): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.574 ug/L

RT: 13.06 min Scan# 3645

Delta R.T. 0.04 min

Lab File: VU036641.D

Acq: 31 Jan 2020 01:01

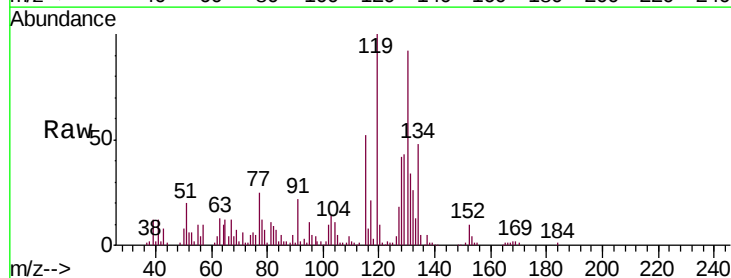
Tgt Ion: 75 Resp: 5067

Ion Ratio Lower Upper

75 100

155 11.1 73.4 110.2#

157 0.0 96.8 145.2#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

