

Data File : VU036636.D
Acq On : 30 Jan 2020 22:55
Operator : JC/MD
Sample : L1324-03
Misc : 5.01g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAT60

Quant Time: Jan 31 04:05:27 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	299369	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	291146	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	156772	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	79336	35.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.76%
7) Chloroethane-d5	1.89	69	16873	8.77	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	17.54%#
11) 1,1-Dichloroethene-d2	2.54	63	102341	28.23	ug/L	-0.05
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.46%#
21) 2-Butanone-d5	4.70	46	87849	66.01	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	66.01%
24) Chloroform-d	5.11	84	147045	40.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.10%
26) 1,2-Dichloroethane-d4	5.74	65	98048	42.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.68%
32) Benzene-d6	5.76	84	342201	41.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.56%
36) 1,2-Dichloropropane-d6	6.73	67	110759	43.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.80%
41) Toluene-d8	7.93	98	329641	41.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.68%
43) trans-1,3-Dichloropropene-	8.21	79	51121	42.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.24%
47) 2-Hexanone-d5	8.69	63	126626	106.99	ug/L	0.03
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.99%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	169175	45.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.18%
64) 1,2-Dichlorobenzene-d4	12.22	152	142334	42.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.62%

Target Compounds

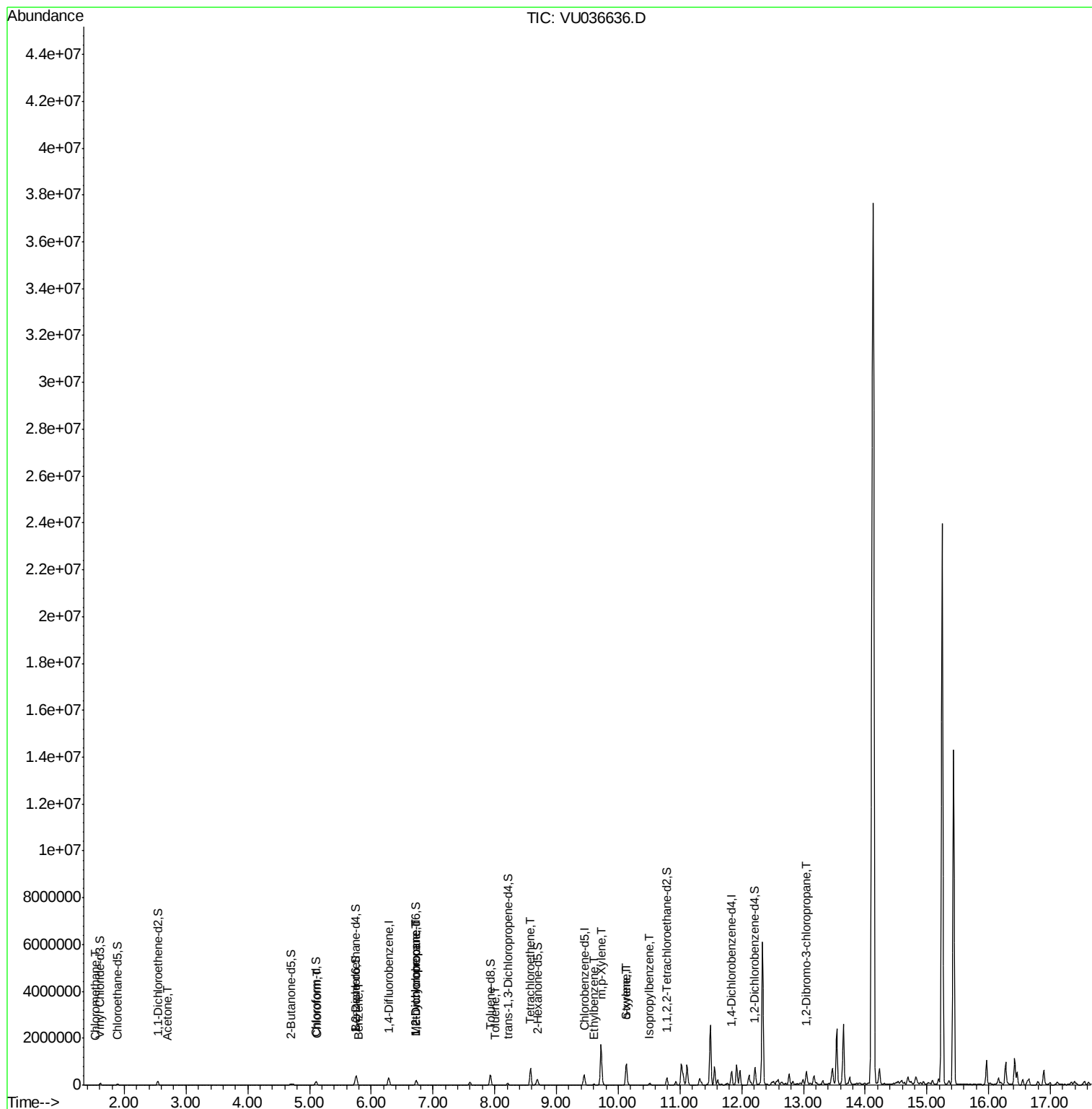
					Qvalue
3) Chloromethane	1.53	50	2229	0.918 ug/L	93
13) Acetone	2.69	43	2518	1.954 ug/L	69
25) Chloroform	5.13	83	4390	1.201 ug/L	92
33) Benzene	5.80	78	13191	1.515 ug/L	100
35) Methylcyclohexane	6.73	83	25406	6.799 ug/L #	21
37) 1,2-Dichloropropane	6.73	63	10604	4.793 ug/L #	87
42) Toluene	8.00	91	16425	1.736 ug/L	96
46) Tetrachloroethene	8.58	164	170472	93.658 ug/L	98
52) Ethylbenzene	9.60	91	31617	3.050 ug/L	96
53) m,p-Xylene	9.72	106	572758	141.683 ug/L	100
54) o-xylene	10.13	106	263075	65.241 ug/L	100
55) Styrene	10.14	104	70071	10.708 ug/L #	65
56) Isopropylbenzene	10.51	105	47044	4.589 ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.05	75	5012	5.822 ug/L #	1

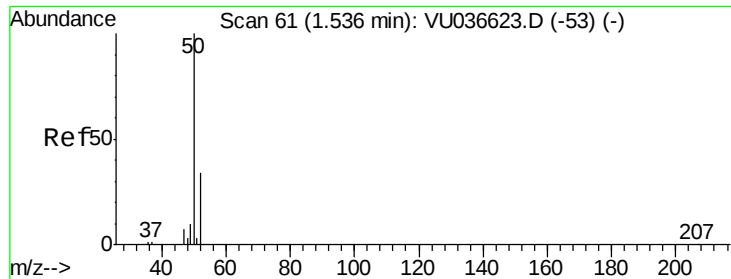
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.918 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.01 min

Lab File: VU036636.D

Acq: 30 Jan 2020 22:55

Instrument :

MSVOA_U

ClientSampleId :

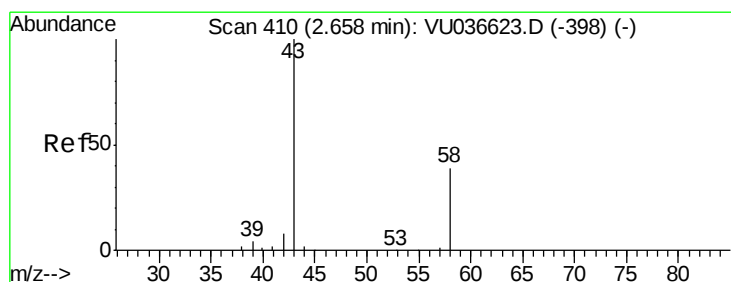
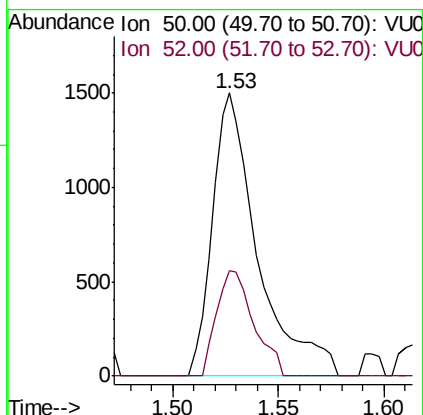
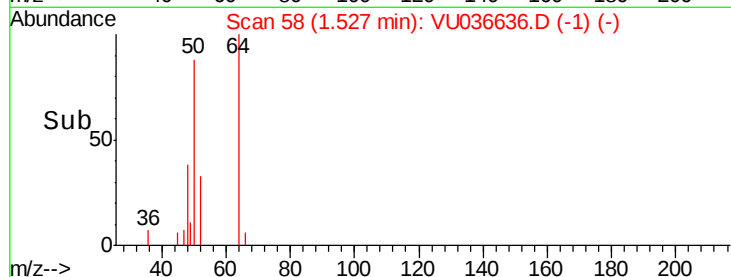
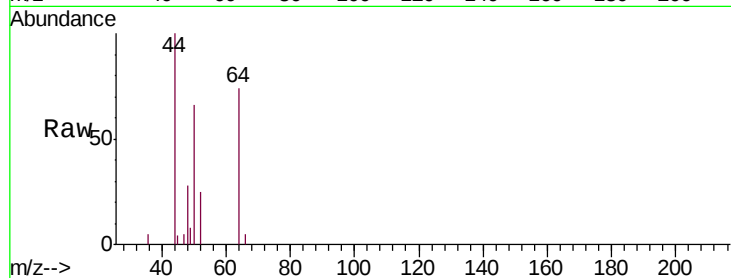
GAT60

Tgt Ion: 50 Resp: 2229

Ion Ratio Lower Upper

50 100

52 37.2 23.2 43.0



#13

Acetone

Concen: 1.954 ug/L

RT: 2.69 min Scan# 420

Delta R.T. 0.03 min

Lab File: VU036636.D

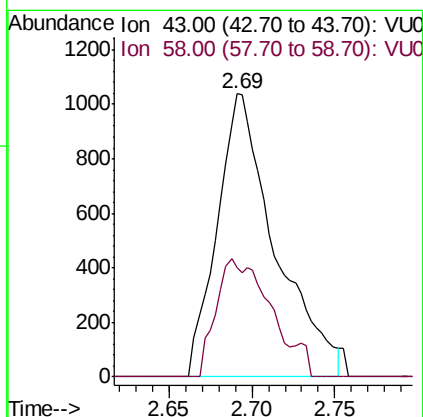
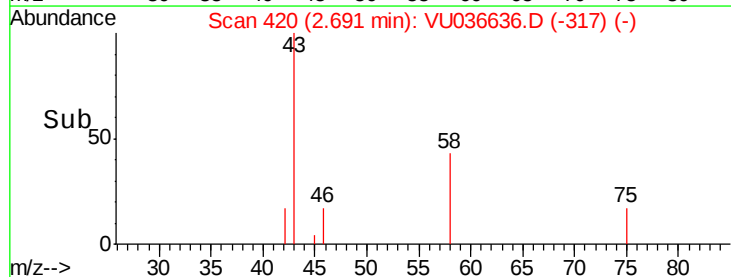
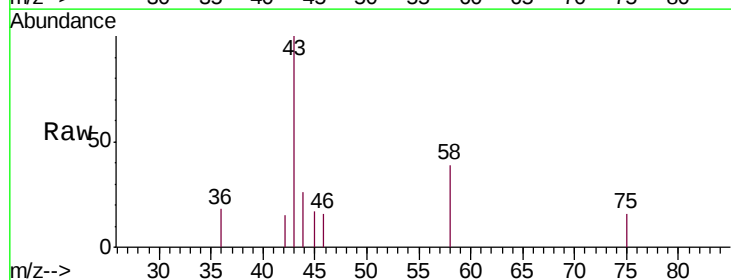
Acq: 30 Jan 2020 22:55

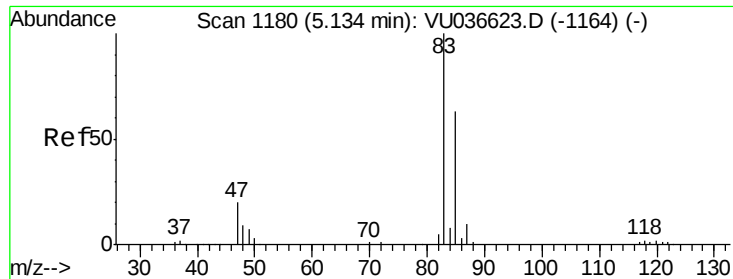
Tgt Ion: 43 Resp: 2518

Ion Ratio Lower Upper

43 100

58 19.0 0.0 75.4

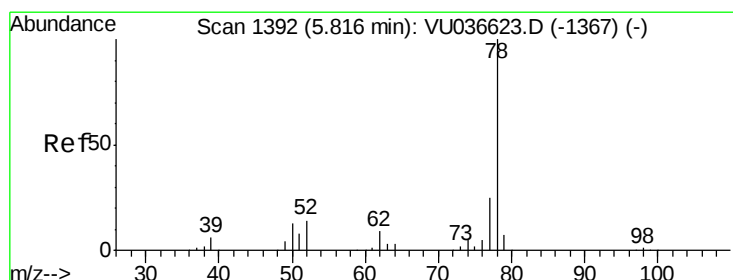
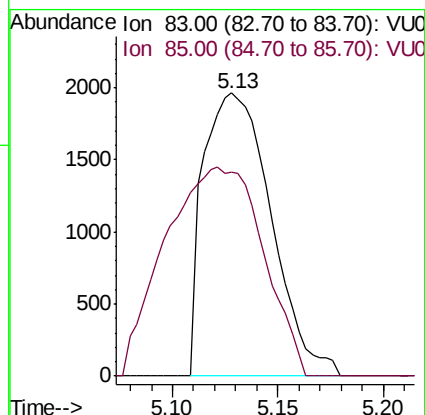
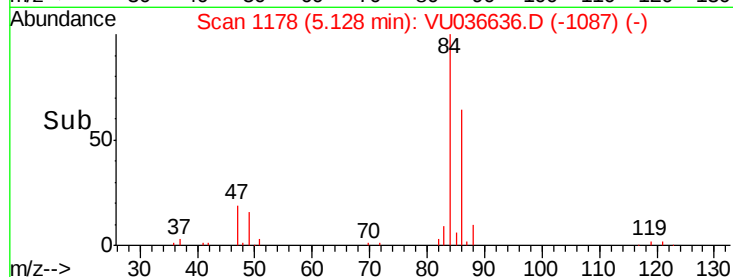
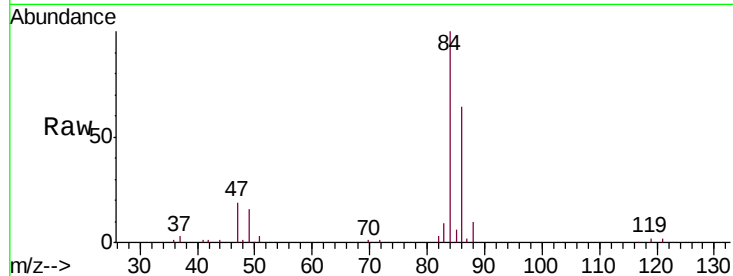




#25
Chloroform
Concen: 1.201 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VU036636.D
Acq: 30 Jan 2020 22:55

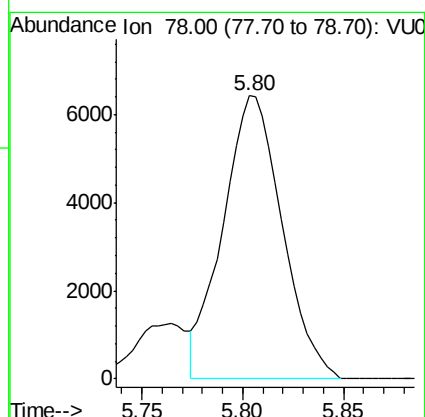
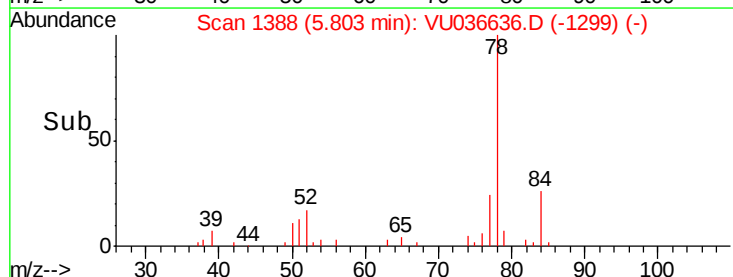
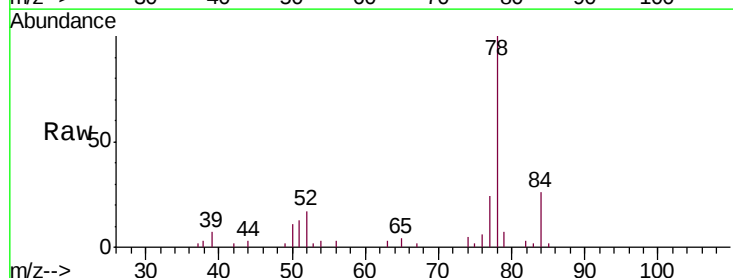
Instrument :
MSVOA_U
ClientSampleId :
GAT60

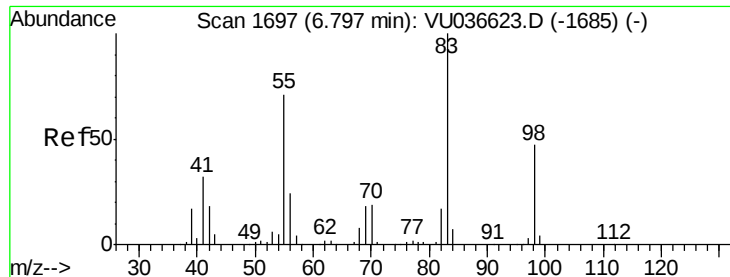
Tgt Ion: 83 Resp: 4390
Ion Ratio Lower Upper
83 100
85 72.2 46.3 85.9



#33
Benzene
Concen: 1.515 ug/L
RT: 5.80 min Scan# 1388
Delta R.T. -0.01 min
Lab File: VU036636.D
Acq: 30 Jan 2020 22:55

Tgt Ion: 78 Resp: 13191

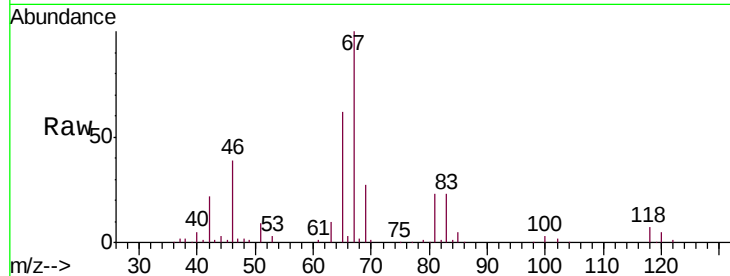




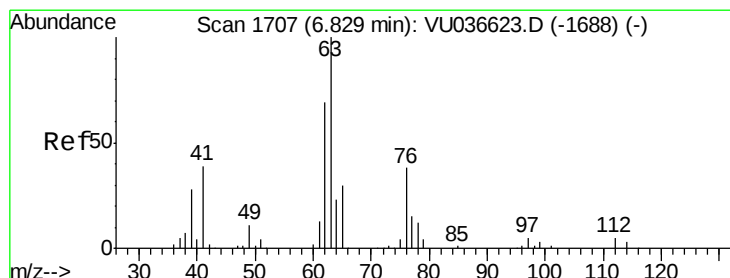
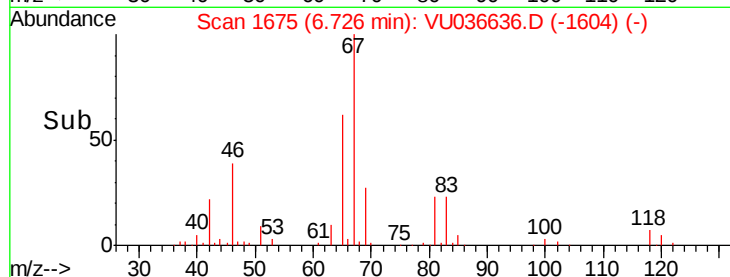
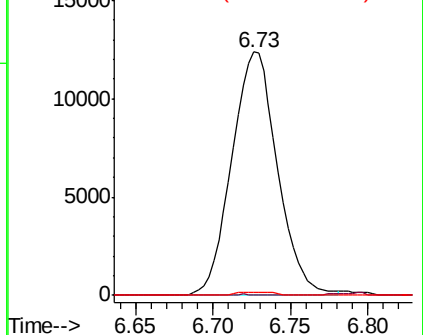
#35
Methylcyclohexane
Concen: 6.799 ug/L
RT: 6.73 min Scan# 1675
Delta R.T. -0.07 min
Lab File: VU036636.D
Acq: 30 Jan 2020 22:55

Instrument :
MSVOA_U
ClientSampleId :
GAT60

Tgt Ion: 83 Resp: 25406
Ion Ratio Lower Upper
83 100
55 0.3 56.1 84.1#
98 0.6 37.5 56.3#

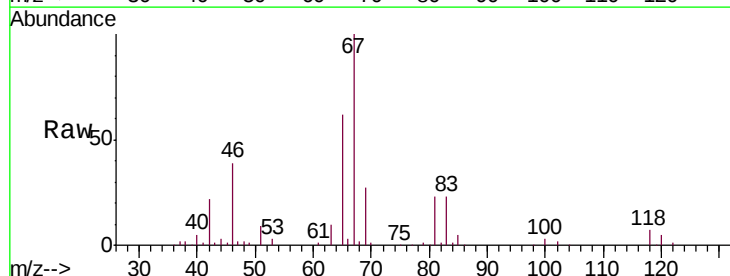


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

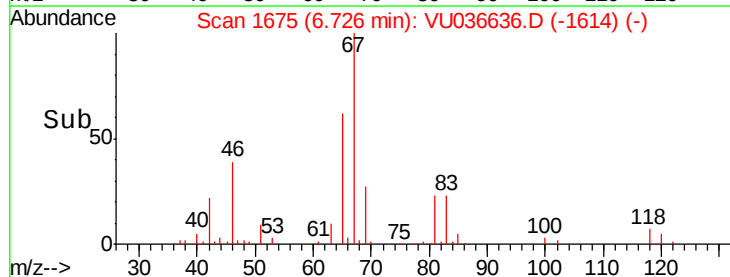
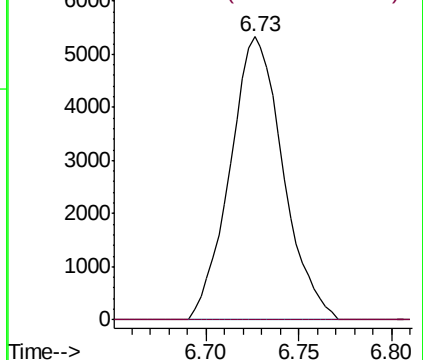


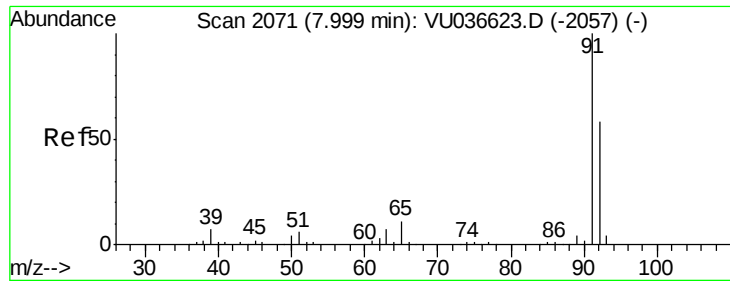
#37
1,2-Dichloropropane
Concen: 4.793 ug/L
RT: 6.73 min Scan# 1675
Delta R.T. -0.10 min
Lab File: VU036636.D
Acq: 30 Jan 2020 22:55

Tgt Ion: 63 Resp: 10604
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: 1.736 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036636.D

Acq: 30 Jan 2020 22:55

Instrument :

MSVOA_U

ClientSampled :

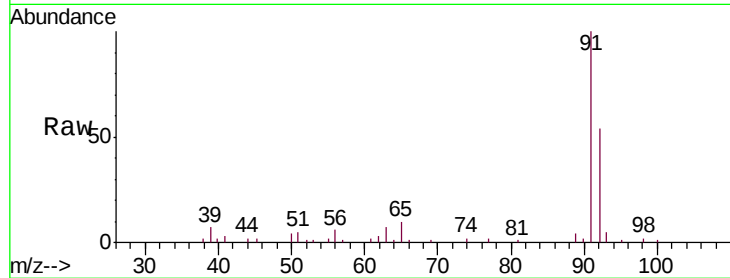
GAT60

Tgt Ion: 91 Resp: 16425

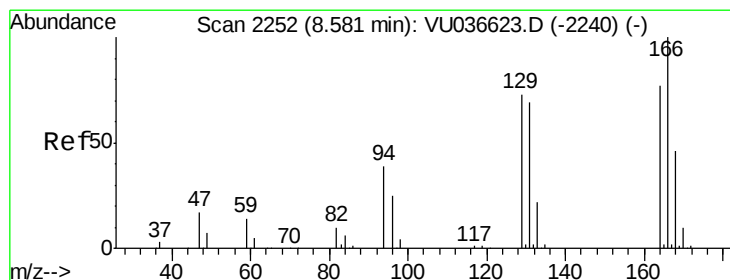
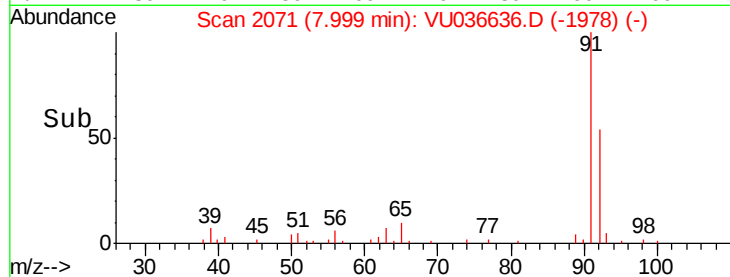
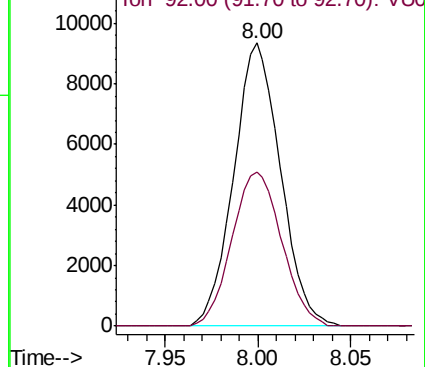
Ion Ratio Lower Upper

91 100

92 54.2 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU036636.D (-2159) (-)



#46

Tetrachloroethene

Concen: 93.658 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. 0.00 min

Lab File: VU036636.D

Acq: 30 Jan 2020 22:55

Tgt Ion: 164 Resp: 170472

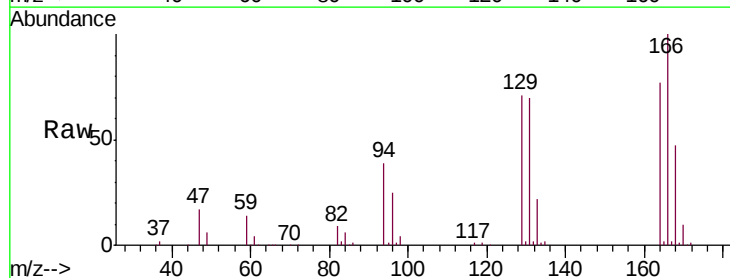
Ion Ratio Lower Upper

164 100

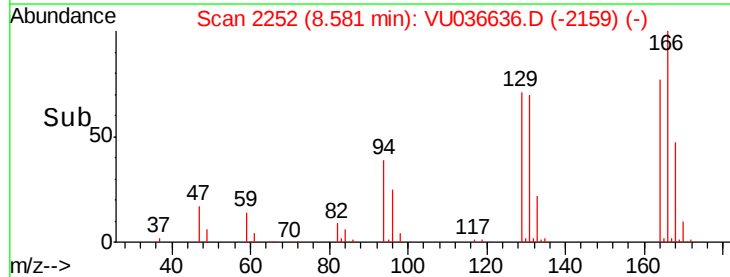
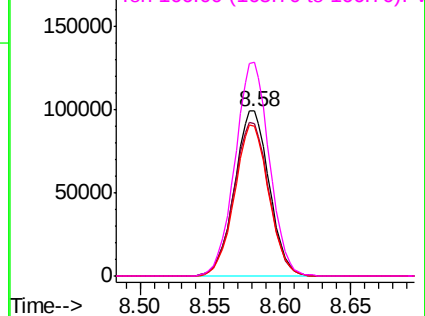
129 92.5 64.2 119.2

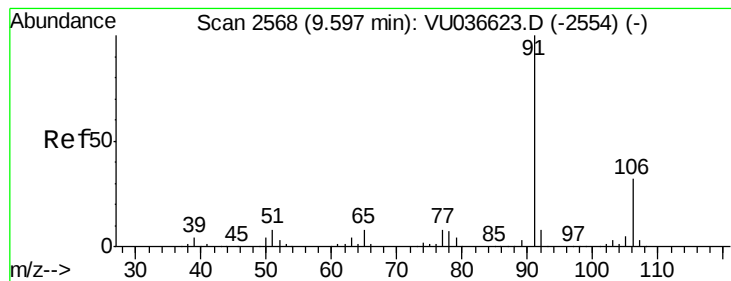
131 91.0 61.8 114.8

166 129.6 88.8 165.0



Abundance Ion 164.00 (163.70 to 164.70): VU036636.D (-2159) (-)





#52

Ethylbenzene

Concen: 3.050 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU036636.D

Acq: 30 Jan 2020 22:55

Instrument :

MSVOA_U

ClientSampleId :

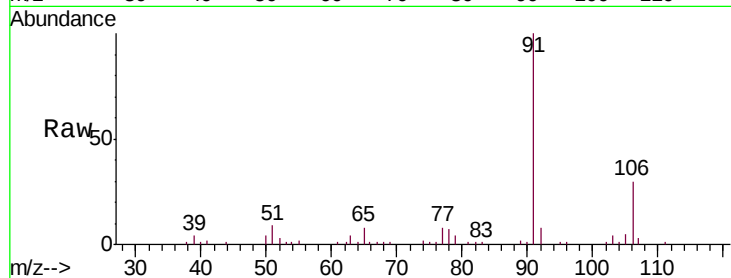
GAT60

Tgt Ion: 91 Resp: 31617

Ion Ratio Lower Upper

91 100

106 30.1 22.6 42.0



Abundance Ion 91.00 (90.70 to 91.70): VU036636.D (-2568) (-)

Ion 106.00 (105.70 to 106.70): VU036636.D (-2568) (-)

9.60

15000

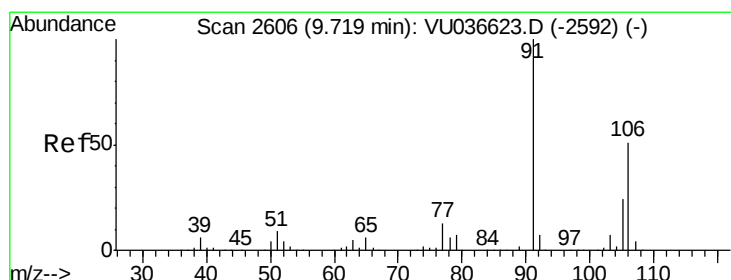
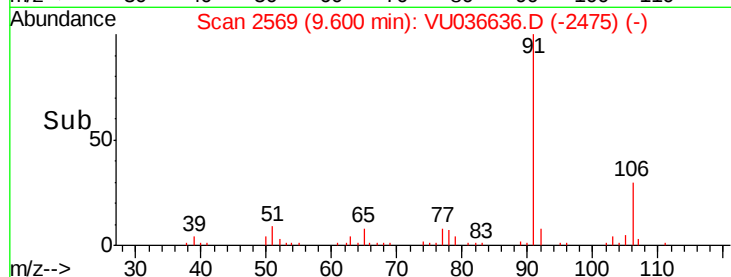
10000

5000

0

9.55 9.60 9.65

Time-->



#53

m,p-Xylene

Concen: 141.683 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU036636.D

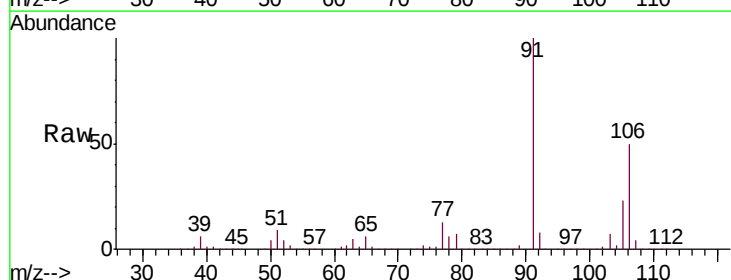
Acq: 30 Jan 2020 22:55

Tgt Ion: 106 Resp: 572758

Ion Ratio Lower Upper

106 100

91 199.8 139.4 259.0



Abundance Ion 106.00 (105.70 to 106.70): VU036636.D (-2606) (-)

Ion 91.00 (90.70 to 91.70): VU036636.D (-2606) (-)

9.72

600000

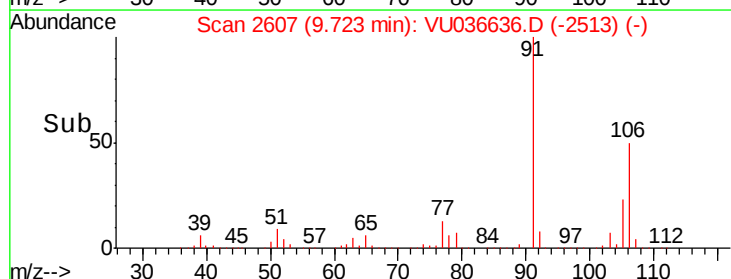
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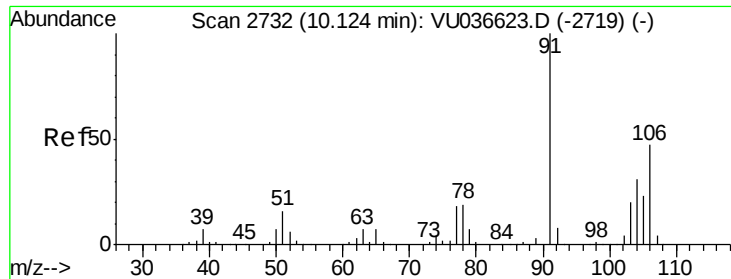
200000

0

9.65 9.70 9.75 9.80

Time-->

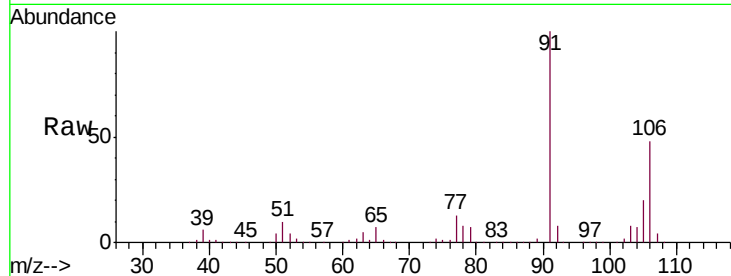




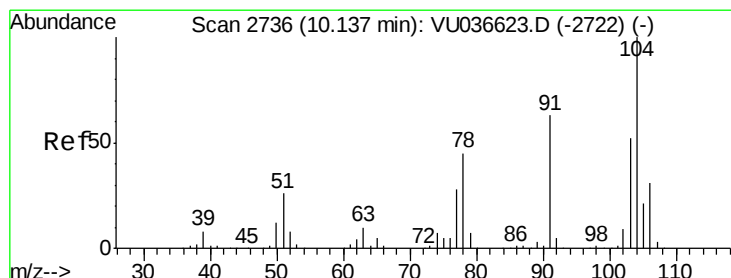
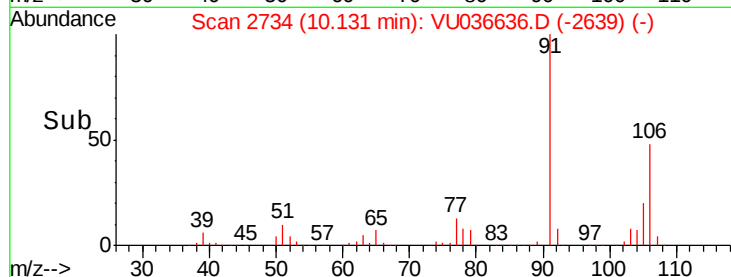
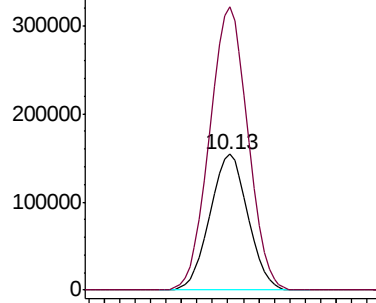
#54
o-xylene
Concen: 65.241 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.01 min
Lab File: VU036636.D
Acq: 30 Jan 2020 22:55

Instrument :
MSVOA_U
ClientSampleId :
GAT60

Tgt Ion:106 Resp: 263075
Ion Ratio Lower Upper
106 100
91 208.5 145.9 271.1

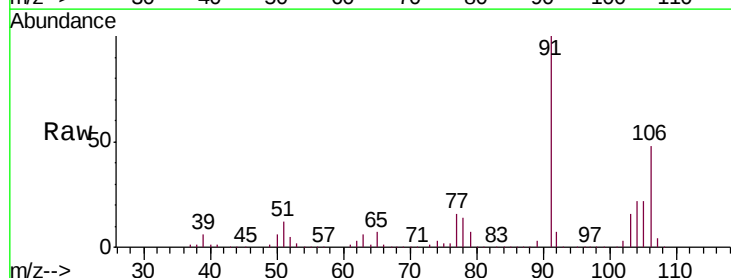


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

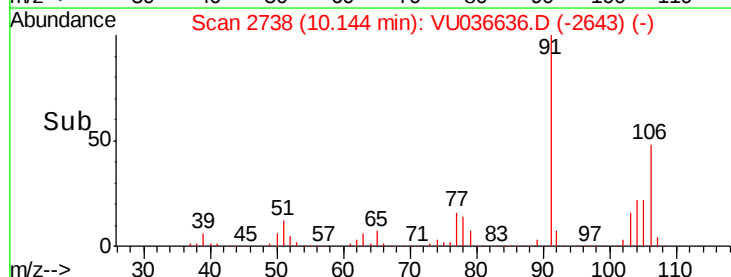
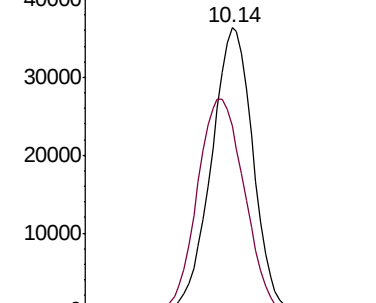


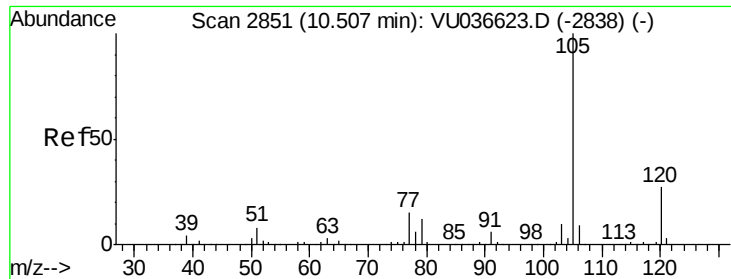
#55
Styrene
Concen: 10.708 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.01 min
Lab File: VU036636.D
Acq: 30 Jan 2020 22:55

Tgt Ion:104 Resp: 70071
Ion Ratio Lower Upper
104 100
78 65.1 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: 4.589 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.01 min

Lab File: VU036636.D

Acq: 30 Jan 2020 22:55

Instrument :

MSVOA_U

ClientSampleId :

GAT60

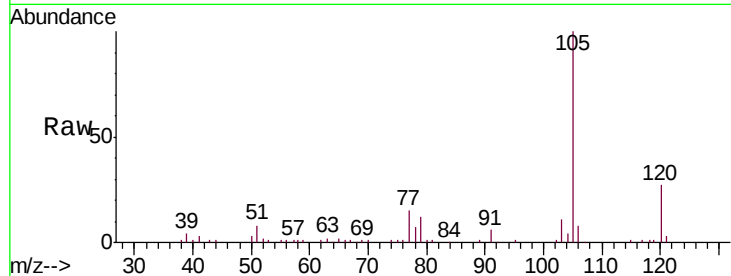
Tgt Ion: 105 Resp: 47044

Ion Ratio Lower Upper

105 100

120 26.6 21.6 32.4

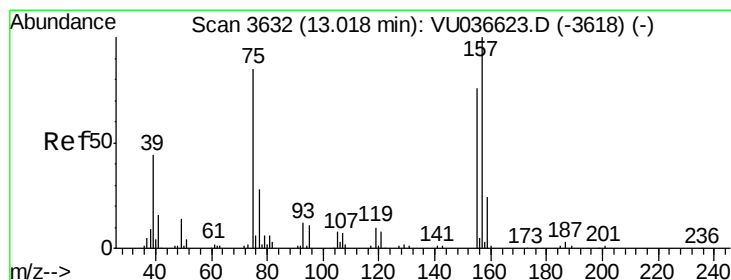
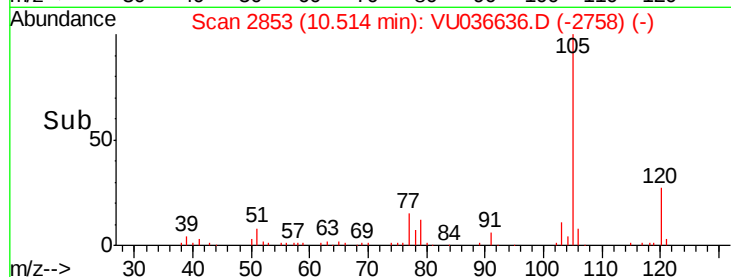
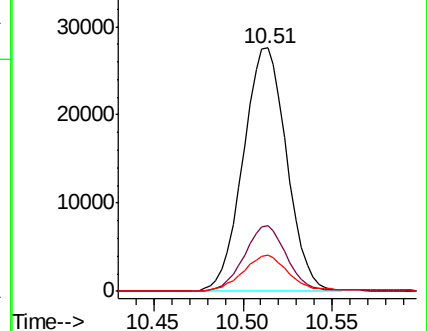
77 16.0 11.8 17.8



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: 5.822 ug/L

RT: 13.05 min Scan# 3642

Delta R.T. 0.03 min

Lab File: VU036636.D

Acq: 30 Jan 2020 22:55

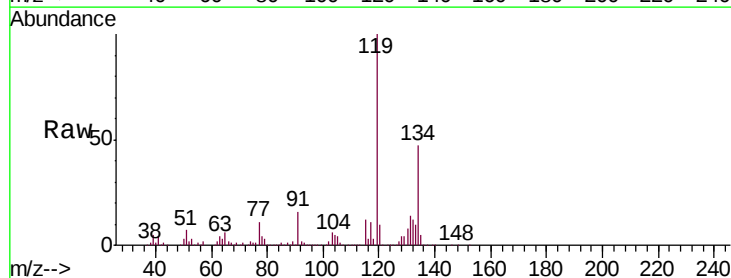
Tgt Ion: 75 Resp: 5012

Ion Ratio Lower Upper

75 100

155 0.0 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

