

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

Quant Time: Jan 31 04:06:57 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	2.61	63	114	0.03	ug/L	0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.06%#
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

					Qvalue
3) Chloromethane	1.53	50	2027	0.832	ug/L 94
13) Acetone	2.69	43	2475	1.915	ug/L 95
15) Methyl Acetate	3.02	43	5877	2.909	ug/L # 57
22) 2-Butanone	4.74	43	2781	1.791	ug/L # 45
25) Chloroform	5.13	83	5583	1.523	ug/L 90
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
37) 1,2-Dichloropropane	6.73	63	10142	4.567	ug/L # 87
42) Toluene	8.00	91	115579	12.170	ug/L 99
46) Tetrachloroethene	8.58	164	25159	13.770	ug/L 99
48) 2-Hexanone	8.69	43	12256	5.715	ug/L # 60
49) Dibromochloromethane	8.58	129	23559	9.991	ug/L # 11
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

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

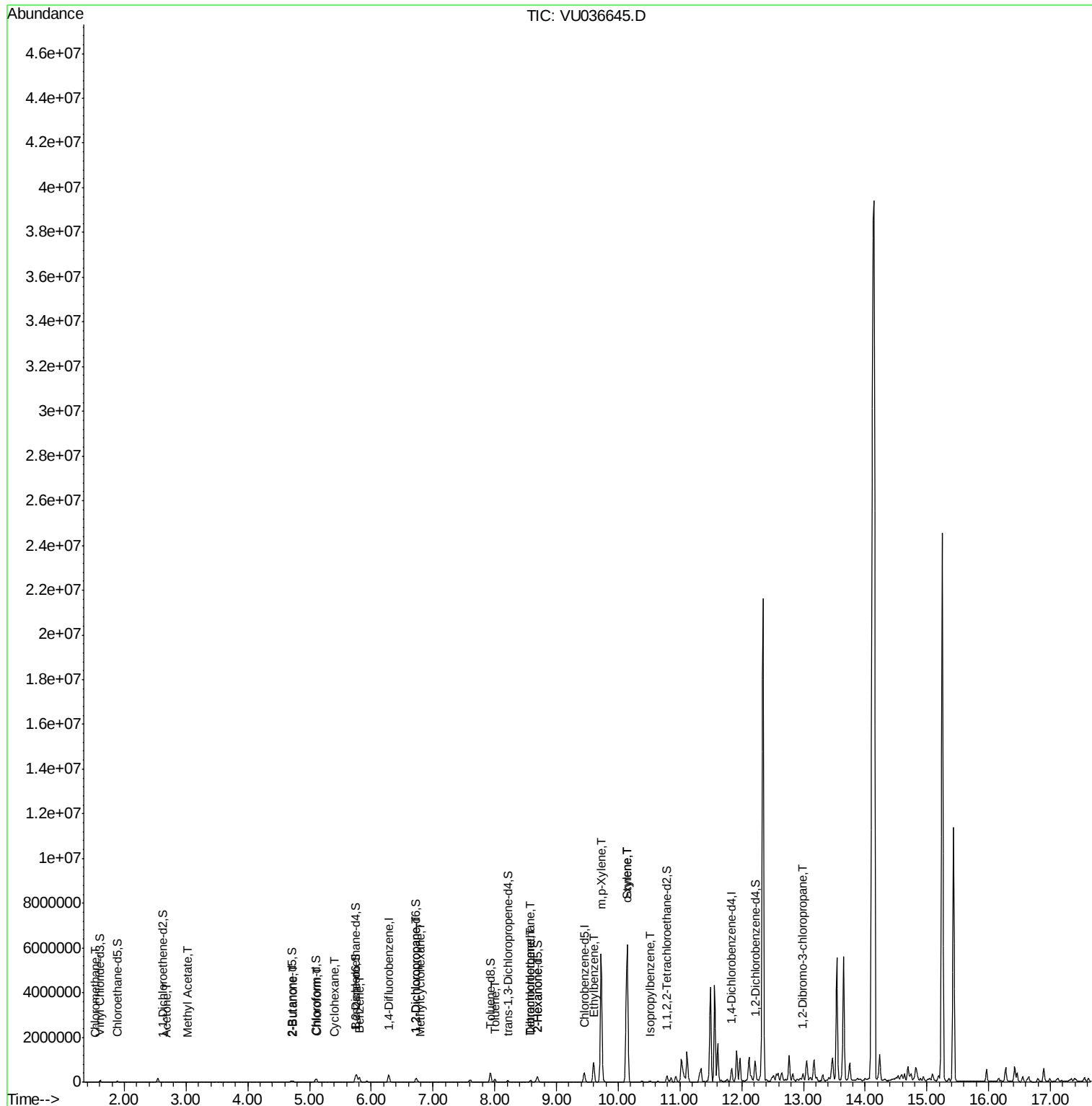
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) Isopropylbenzene	10.51	105	27343	2.657	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	1254	1.447	ug/L #	21

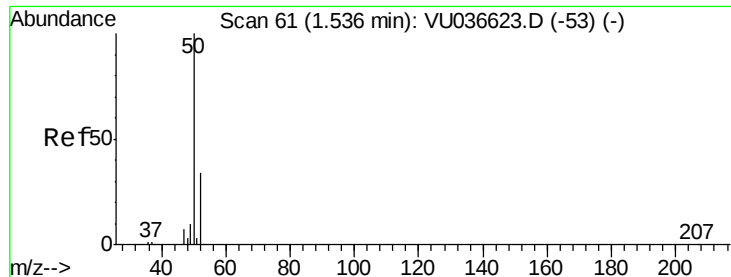
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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 :

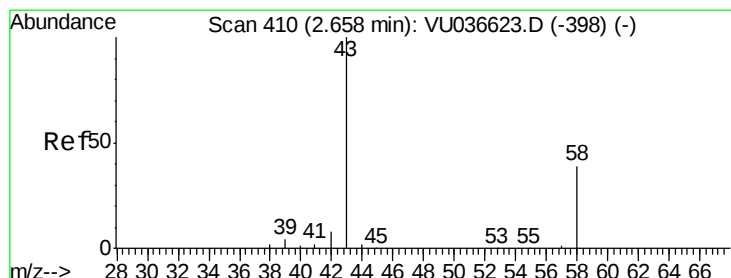
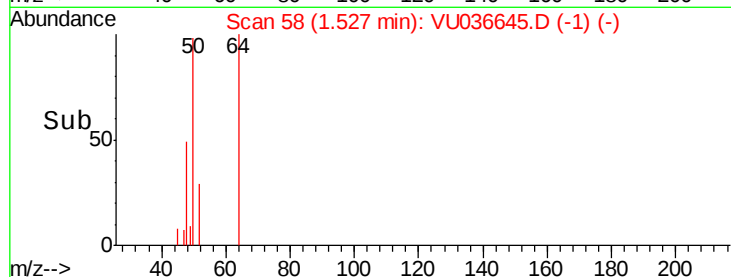
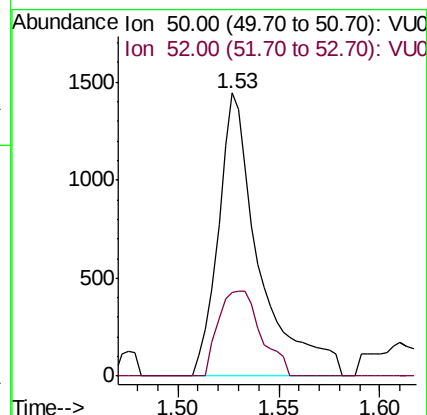
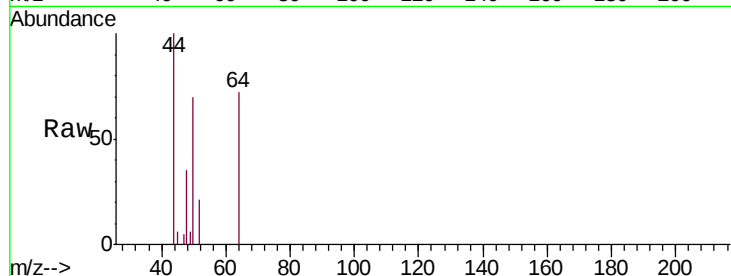
GAT73

Tgt Ion: 50 Resp: 2027

Ion Ratio Lower Upper

50 100

52 29.8 23.2 43.0



#13

Acetone

Concen: 1.915 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.03 min

Lab File: VU036645.D

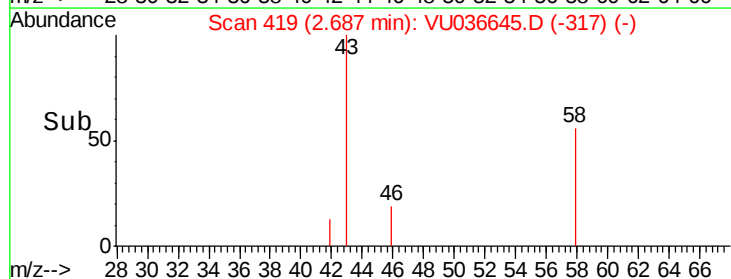
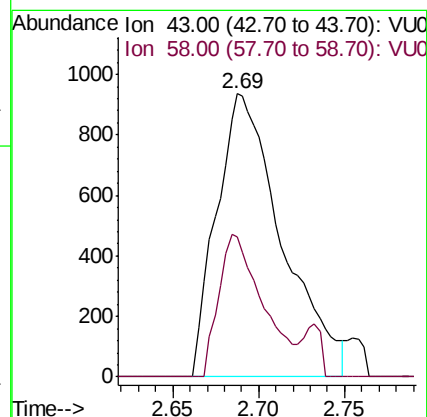
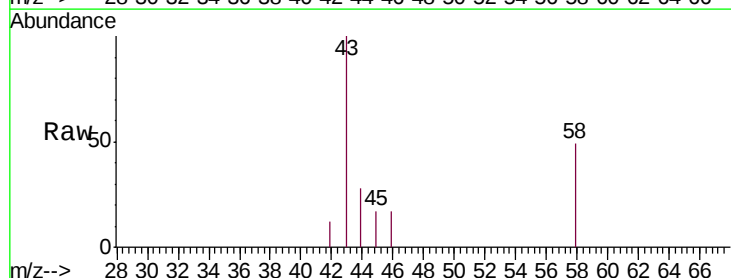
Acq: 31 Jan 2020 02:42

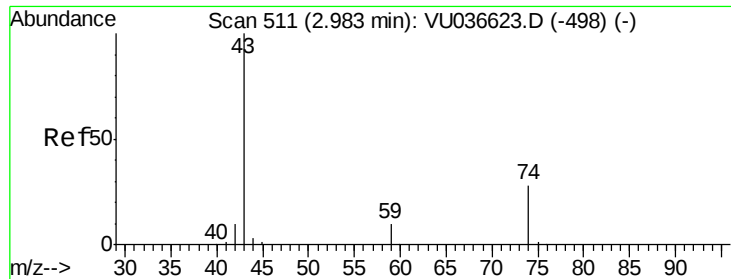
Tgt Ion: 43 Resp: 2475

Ion Ratio Lower Upper

43 100

58 34.5 0.0 75.4

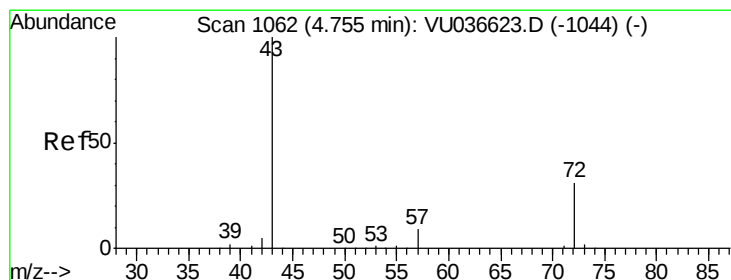
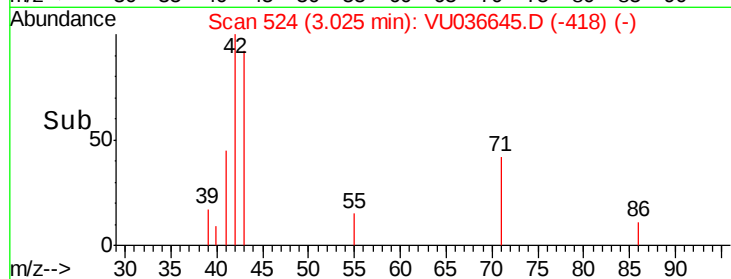
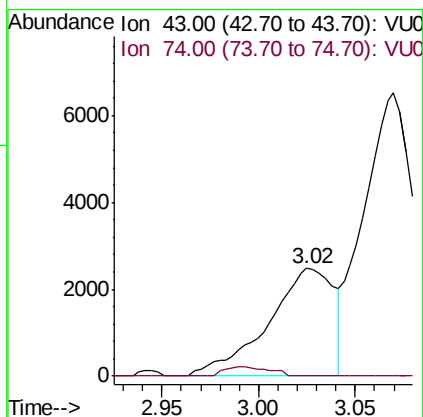
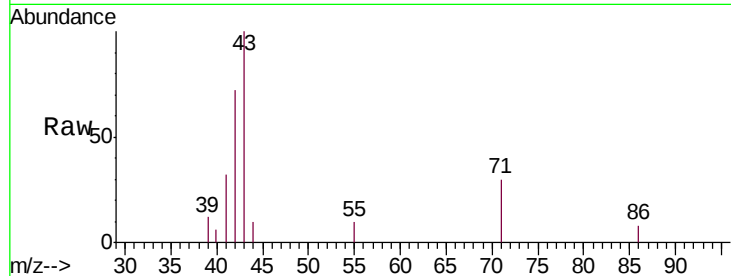




#15
Methyl Acetate
Concen: 2.909 ug/L
RT: 3.02 min Scan# 524
Delta R.T. 0.04 min
Lab File: VU036645.D
Acq: 31 Jan 2020 02:42

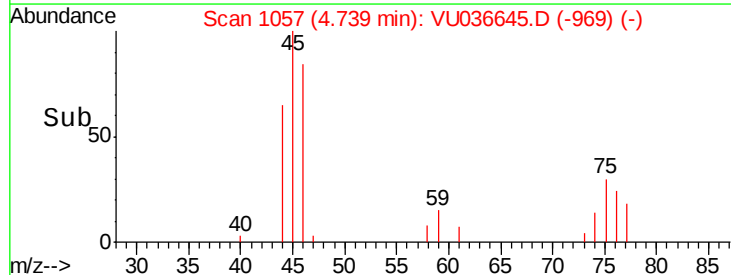
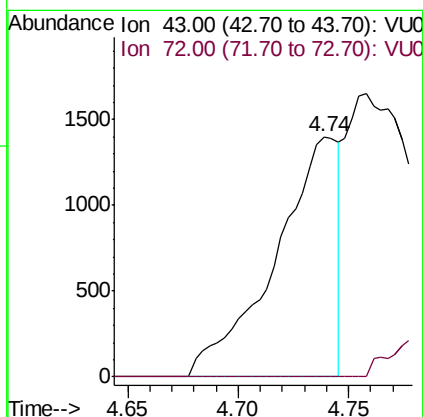
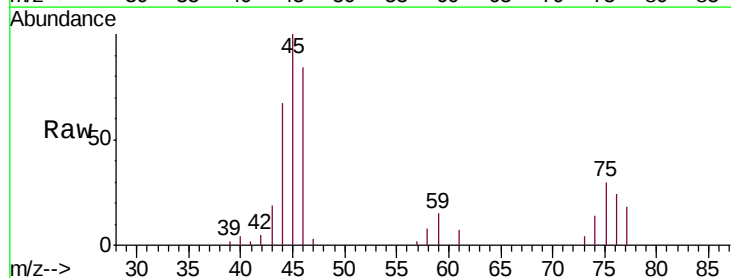
Instrument :
MSVOA_U
ClientSampleId :
GAT73

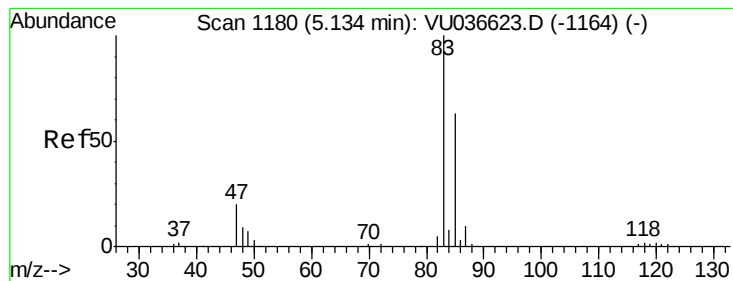
Tgt Ion: 43 Resp: 5877
Ion Ratio Lower Upper
43 100
74 5.9 23.3 34.9#



#22
2-Butanone
Concen: 1.791 ug/L
RT: 4.74 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VU036645.D
Acq: 31 Jan 2020 02:42

Tgt Ion: 43 Resp: 2781
Ion Ratio Lower Upper
43 100
72 2.2 16.7 50.1#





#25

Chloroform

Concen: 1.523 ug/L

RT: 5.13 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VU036645.D

Acq: 31 Jan 2020 02:42

Instrument :

MSVOA_U

ClientSampled :

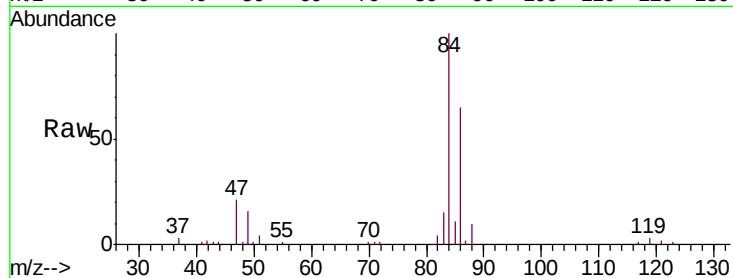
GAT73

Tgt Ion: 83 Resp: 5583

Ion Ratio Lower Upper

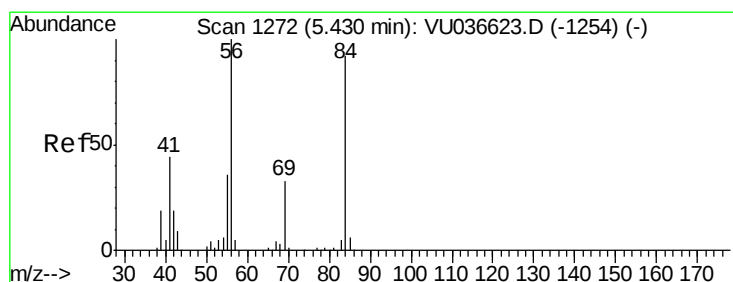
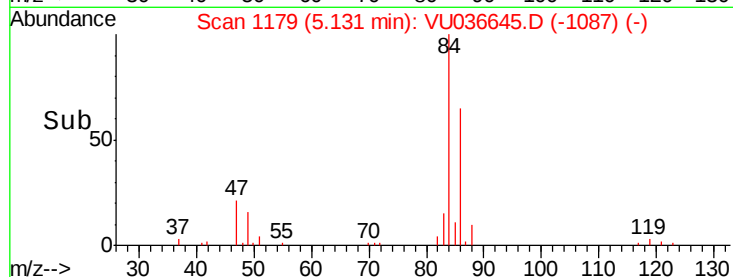
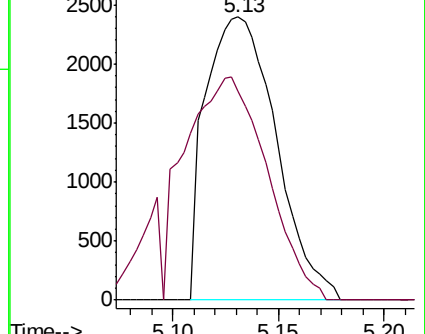
83 100

85 74.1 46.3 85.9



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#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

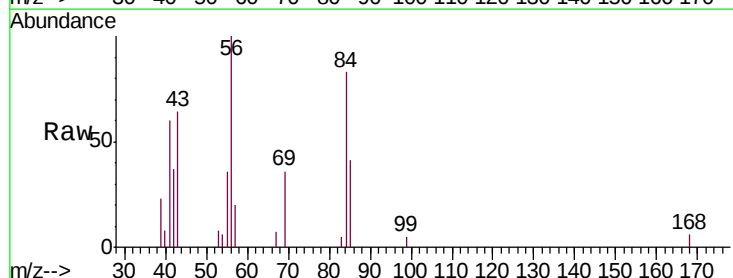
Tgt Ion: 56 Resp: 6826

Ion Ratio Lower Upper

56 100

69 28.8 26.4 39.6

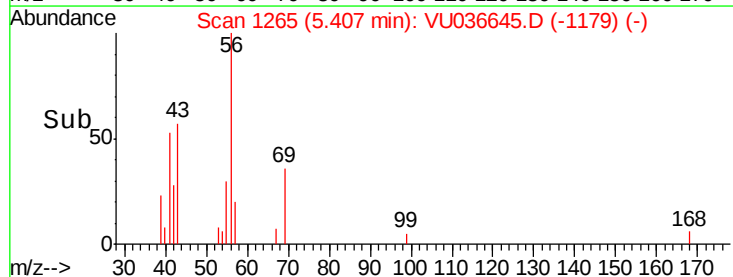
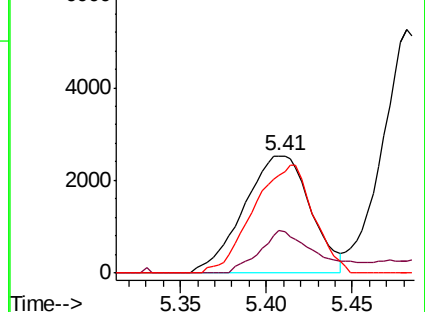
84 82.6 76.6 114.8

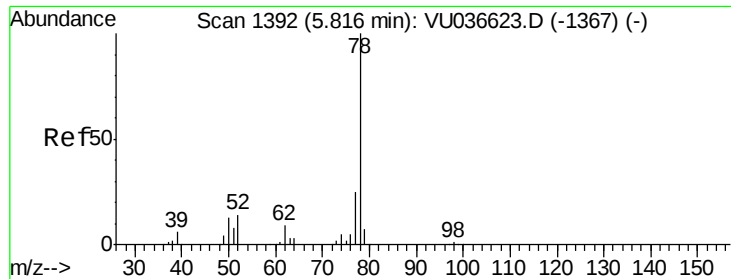


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0





#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

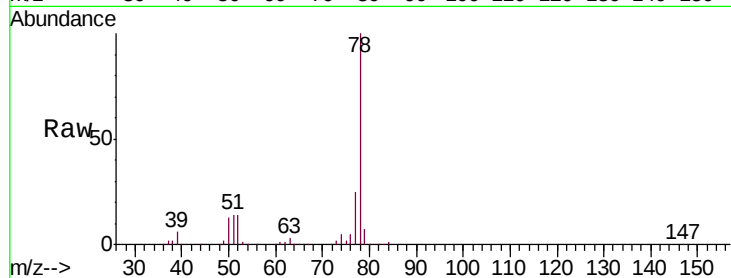
Instrument :

MSVOA_U

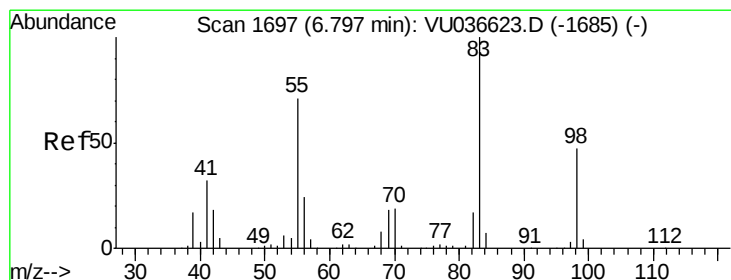
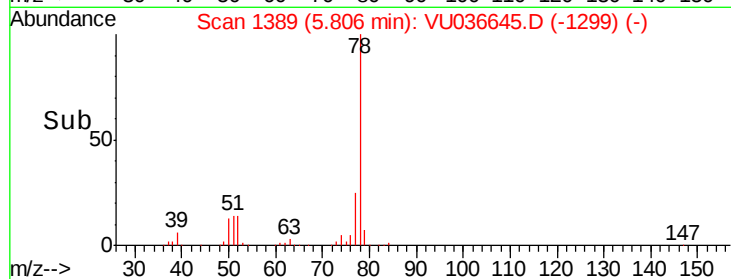
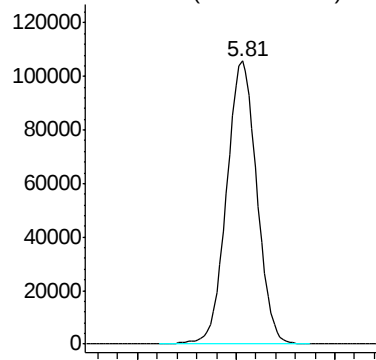
ClientSampled :

GAT73

Tgt Ion: 78 Resp: 222673



Abundance Ion 78.00 (77.70 to 78.70): VU0



#35

Methylcyclohexane

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

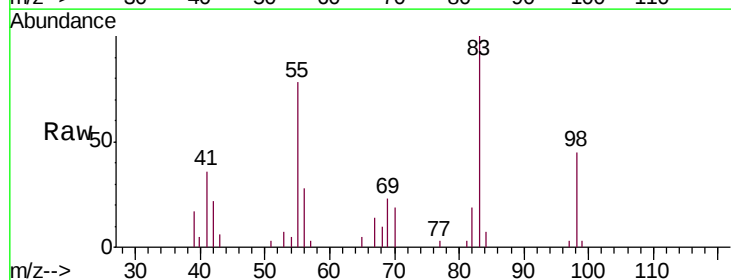
Tgt Ion: 83 Resp: 8507

Ion Ratio Lower Upper

83 100

55 88.4 56.1 84.1#

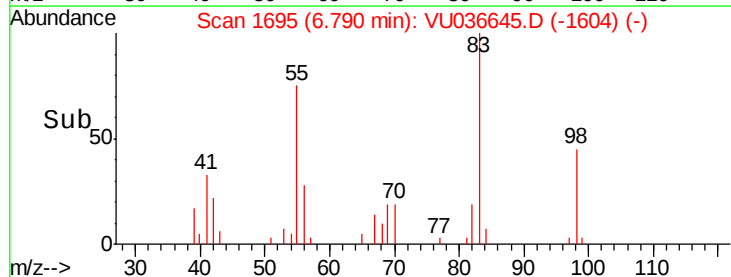
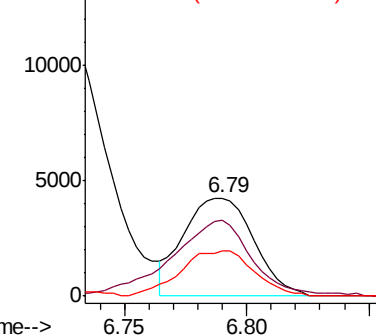
98 25.0 37.5 56.3#

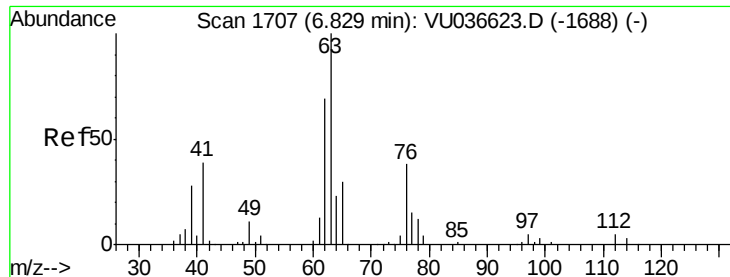


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

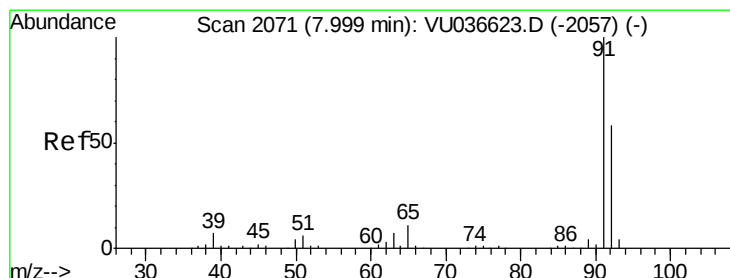
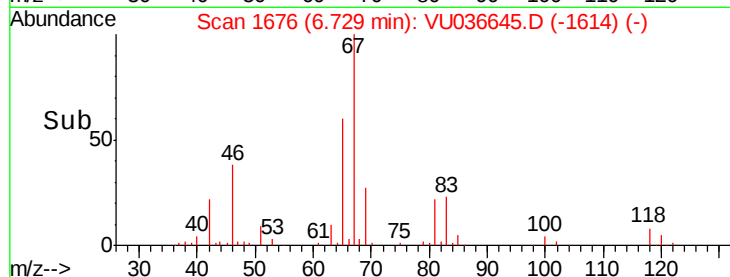
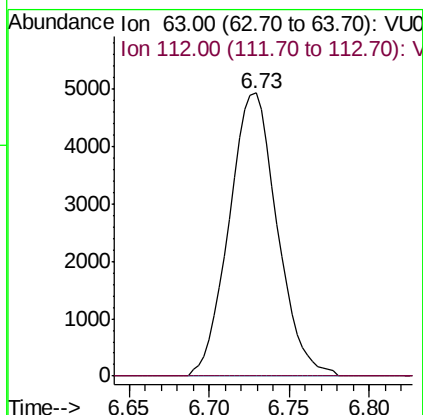
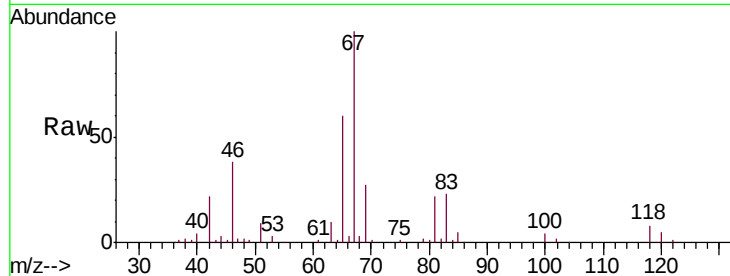




#37
 1,2-Dichloropropane
 Concen: 4.567 ug/L
 RT: 6.73 min Scan# 1676
 Delta R.T. -0.10 min
 Lab File: VU036645.D
 Acq: 31 Jan 2020 02:42

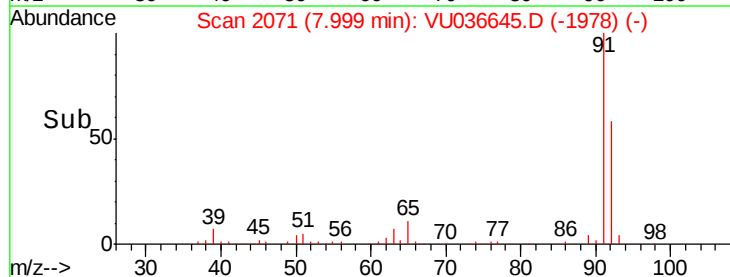
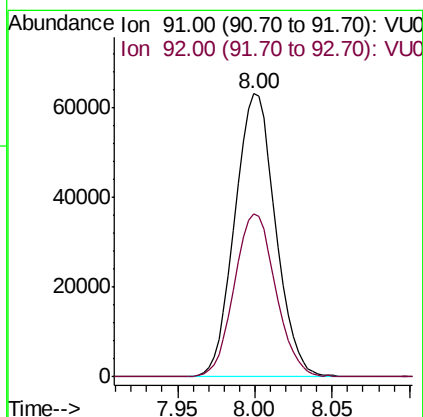
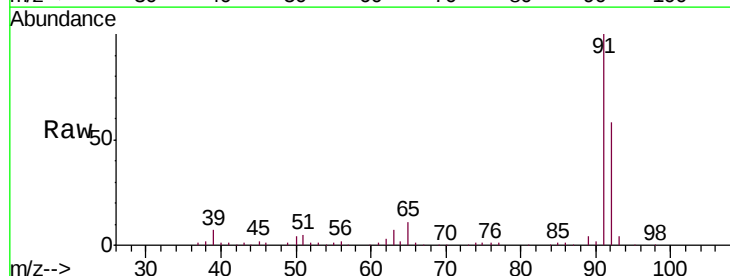
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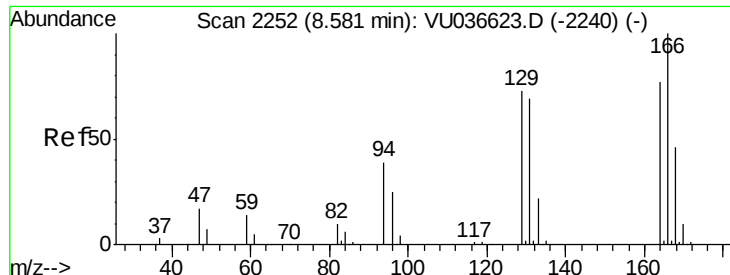
Tgt Ion: 63 Resp: 10142
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#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: 91 Resp: 115579
 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

Tgt Ion:164 Resp: 25159

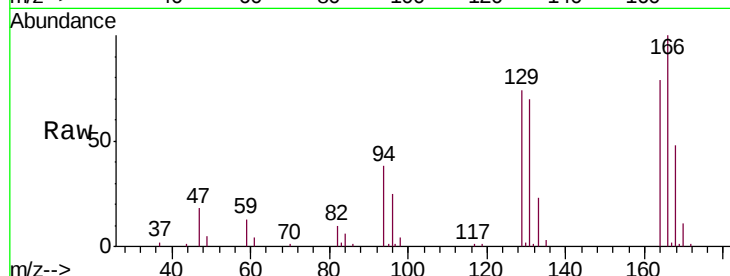
Ion Ratio Lower Upper

164 100

129 94.1 64.2 119.2

131 89.1 61.8 114.8

166 127.1 88.8 165.0

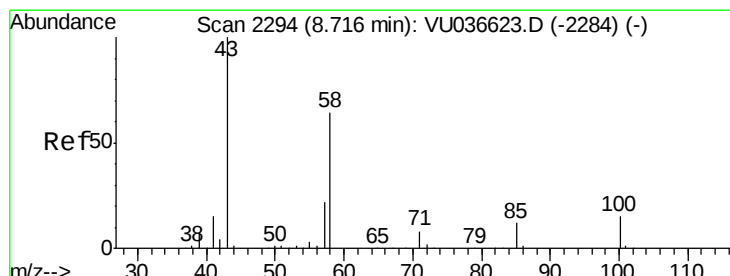
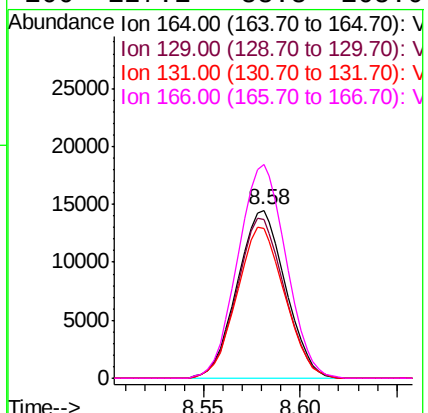
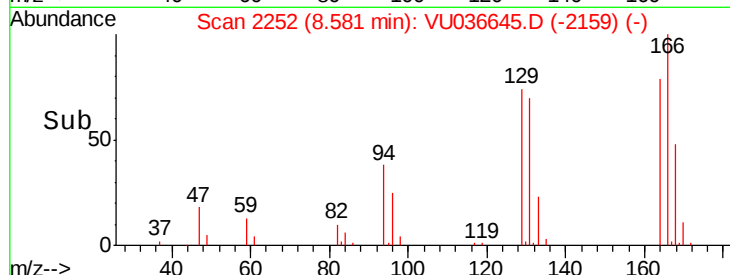


Abundance Ion 164.00 (163.70 to 164.70): V

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



#48

2-Hexanone

Concen: 5.715 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. -0.03 min

Lab File: VU036645.D

Acq: 31 Jan 2020 02:42

Tgt Ion: 43 Resp: 12256

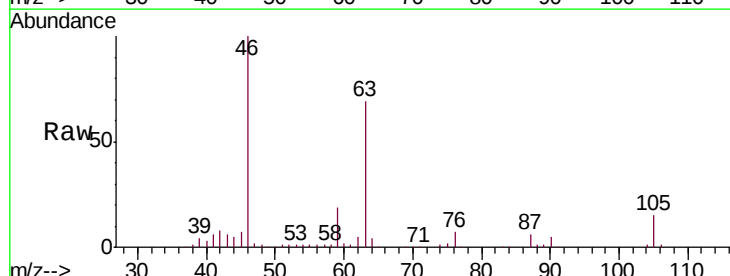
Ion Ratio Lower Upper

43 100

58 23.4 49.4 74.0#

57 28.4 17.1 25.7#

100 0.0 11.9 17.9#

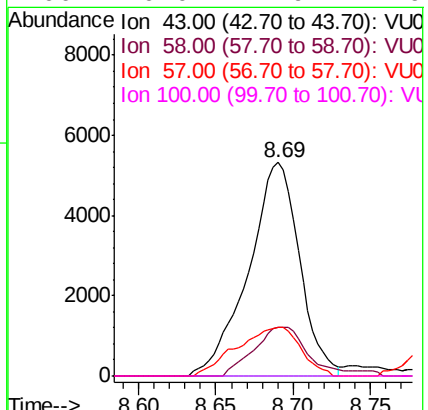
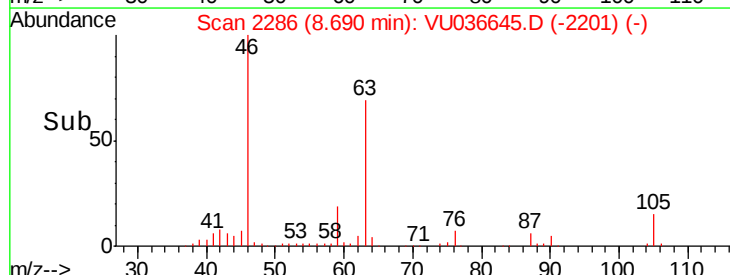


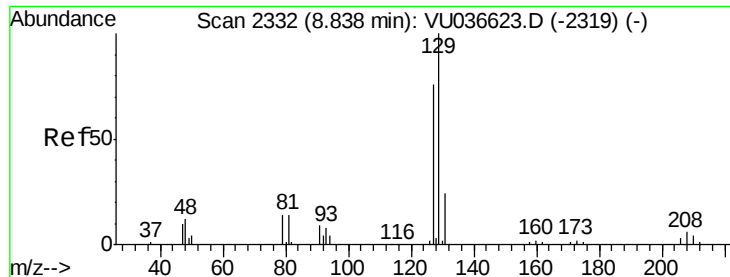
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

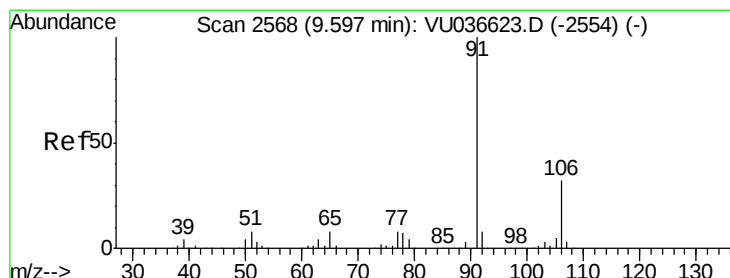
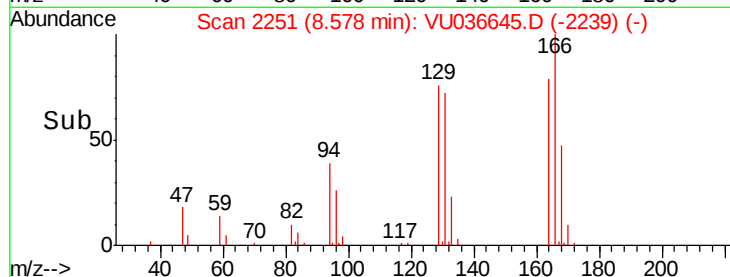
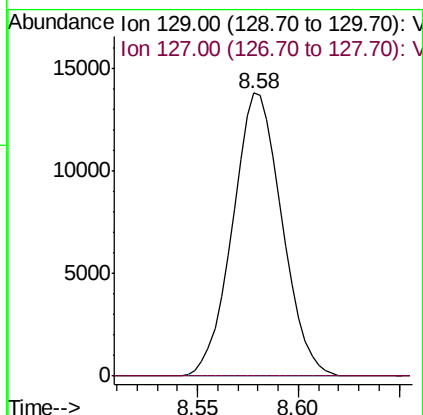
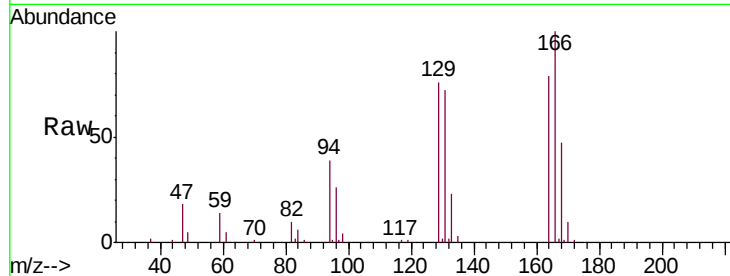




#49
Dibromochloromethane
Concen: 9.991 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. -0.26 min
Lab File: VU036645.D
Acq: 31 Jan 2020 02:42

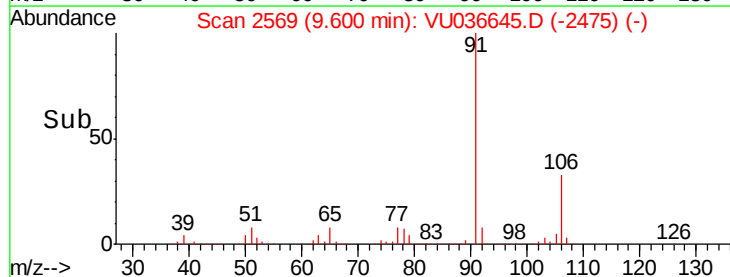
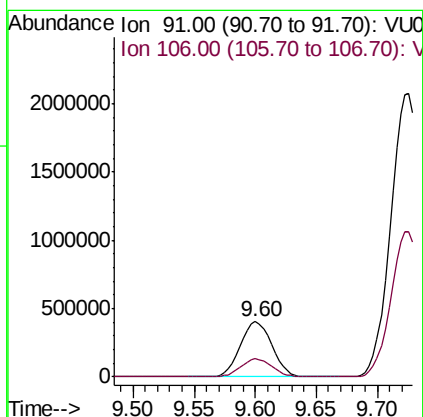
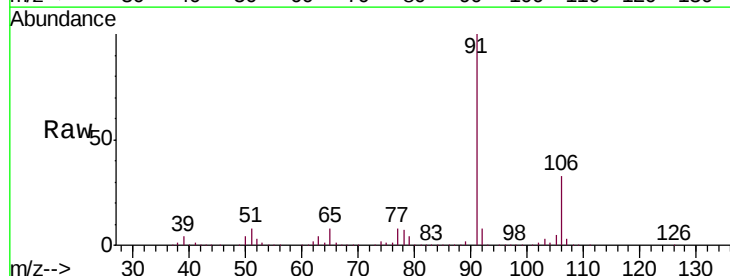
Instrument :
MSVOA_U
ClientSampleId :
GAT73

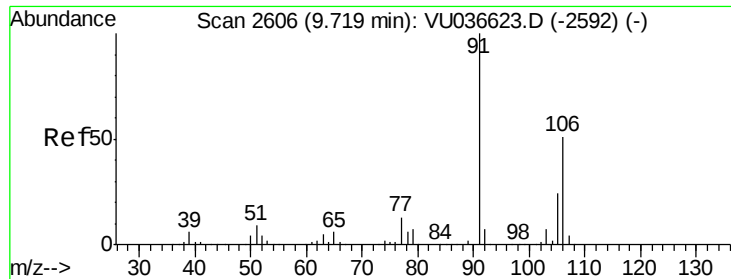
Tgt Ion:129 Resp: 23559
Ion Ratio Lower Upper
129 100
127 0.0 54.0 100.2#



#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

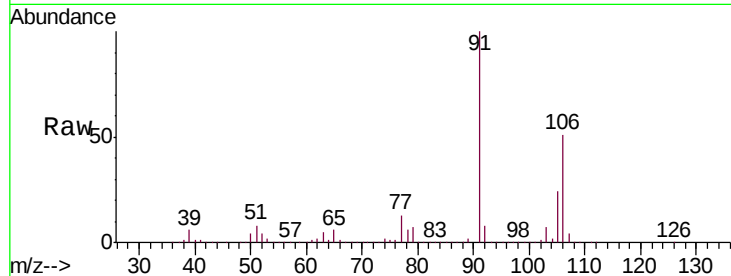




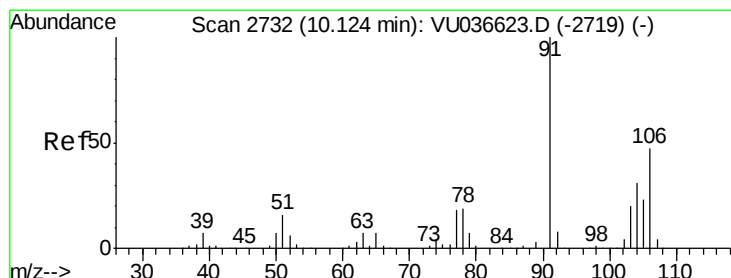
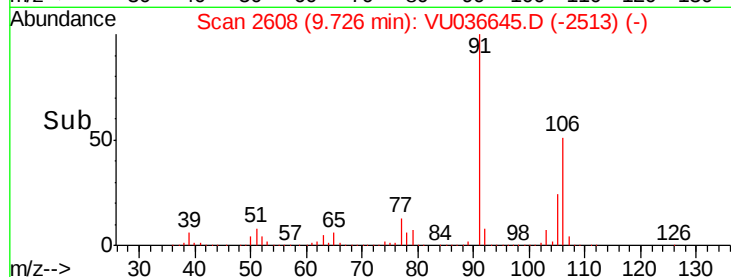
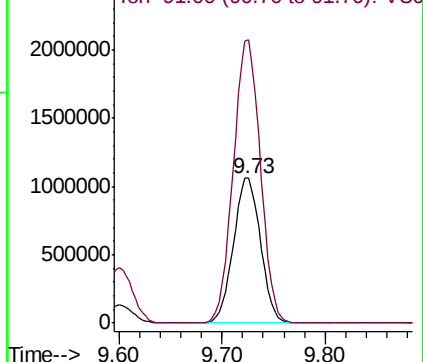
#53
m,p-Xylene
Concen: 477.816 ug/L
RT: 9.73 min Scan# 2608
Delta R.T. 0.01 min
Lab File: VU036645.D
Acq: 31 Jan 2020 02:42

Instrument :
MSVOA_U
ClientSampleId :
GAT73

Tgt Ion:106 Resp: 1938901
Ion Ratio Lower Upper
106 100
91 195.7 139.4 259.0

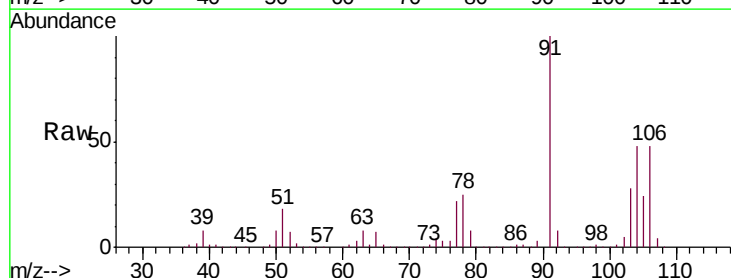


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

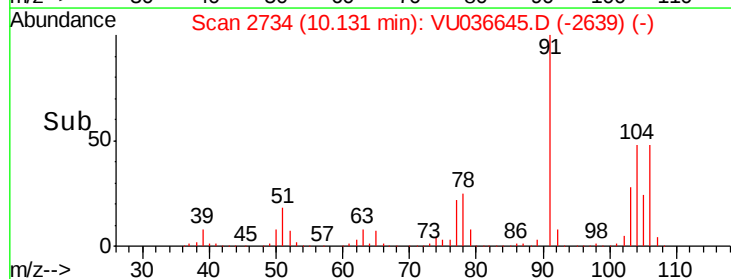
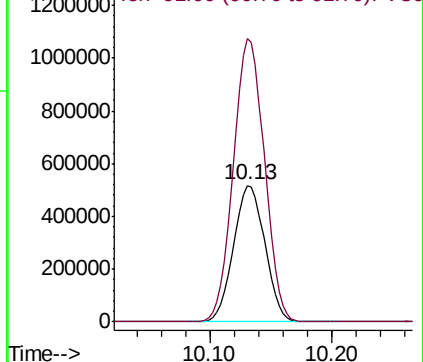


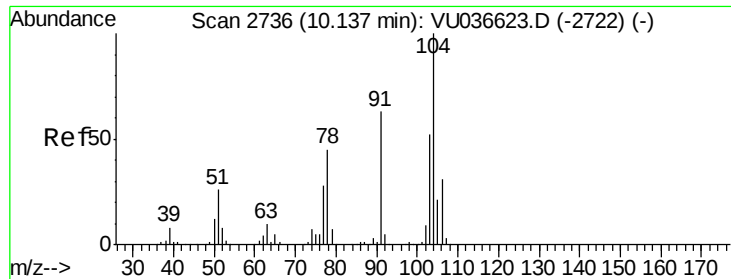
#54
o-xylene
Concen: 227.848 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.01 min
Lab File: VU036645.D
Acq: 31 Jan 2020 02:42

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

Styrene

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 :

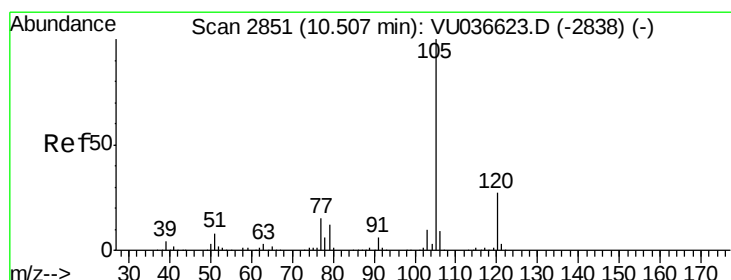
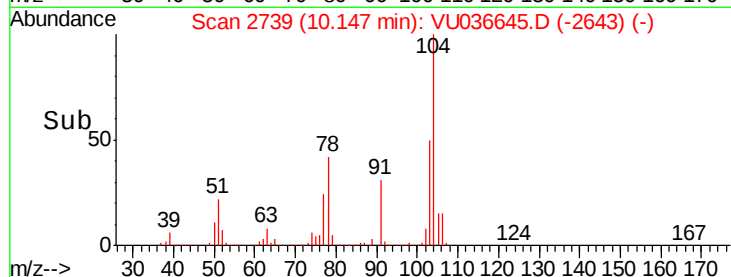
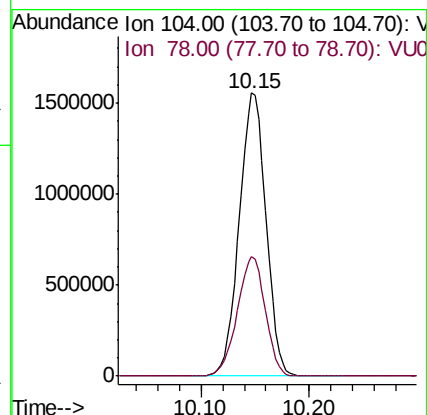
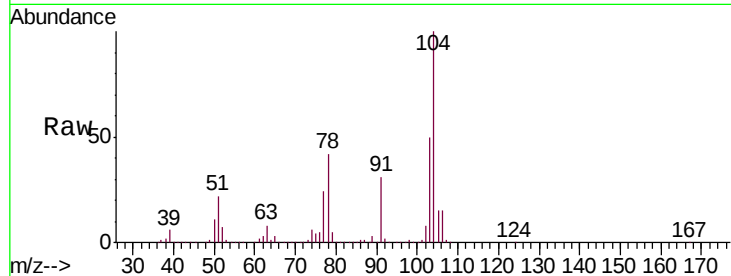
GAT73

Tgt Ion:104 Resp: 2674212

Ion Ratio Lower Upper

104 100

78 42.3 30.1 55.9



#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

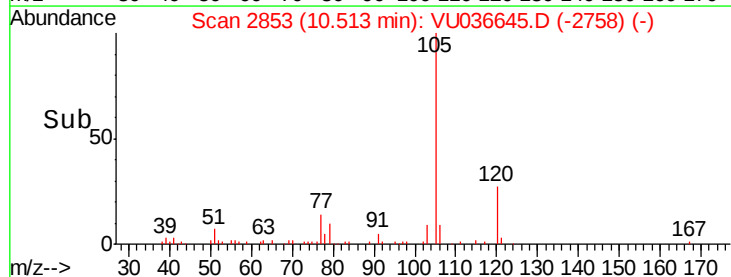
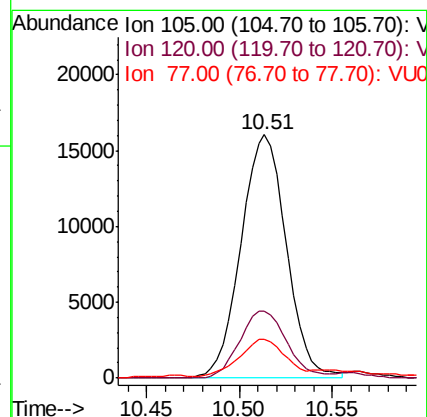
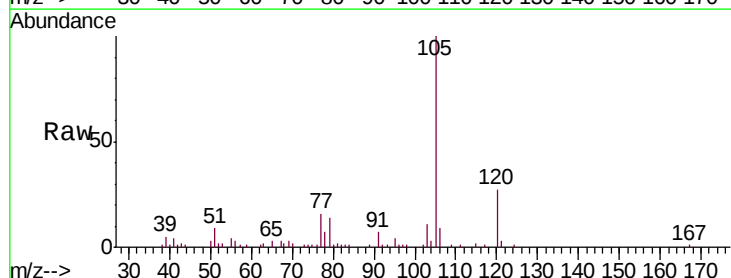
Tgt Ion:105 Resp: 27343

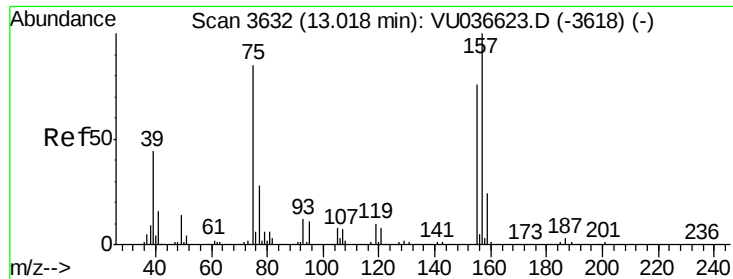
Ion Ratio Lower Upper

105 100

120 28.3 21.6 32.4

77 14.7 11.8 17.8





#66

1,2-Dibromo-3-chloropropane

Concen: 1.447 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.03 min

Lab File: VU036645.D

Acq: 31 Jan 2020 02:42

Instrument :

MSVOA_U

ClientSampleId :

GAT73

Tgt Ion: 75 Resp: 1254

Ion Ratio Lower Upper

75 100

155 52.9 73.4 110.2#

157 0.0 96.8 145.2#

