

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\
 Data File : VU036643.D
 Acq On : 31 Jan 2020 01:52
 Operator : JC/MD
 Sample : L1324-15
 Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAT70

Quant Time: Jan 31 07:01:30 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	299517	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	294283	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	157341	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	66311	29.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	59.12%#
7) Chloroethane-d5	1.89	69	15839	8.23	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	16.46%#
11) 1,1-Dichloroethene-d2	2.54	63	90155	24.85	ug/L	-0.05
Spiked Amount	50.000	Range	60 - 125	Recovery	=	49.70%#
21) 2-Butanone-d5	4.70	46	60369	45.34	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	45.34%
24) Chloroform-d	5.11	84	135523	36.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.78%
26) 1,2-Dichloroethane-d4	5.74	65	89426	39.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.10%
32) Benzene-d6	5.76	84	316938	38.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.58%
36) 1,2-Dichloropropane-d6	6.73	67	101803	39.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	78.94%
41) Toluene-d8	7.93	98	310859	39.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.06%#
43) trans-1,3-Dichloropropene-	8.21	79	48345	39.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.80%
47) 2-Hexanone-d5	8.69	63	122800	102.66	ug/L	0.03
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.66%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	156303	41.21	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.42%
64) 1,2-Dichlorobenzene-d4	12.22	152	133634	39.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.16%#

Target Compounds

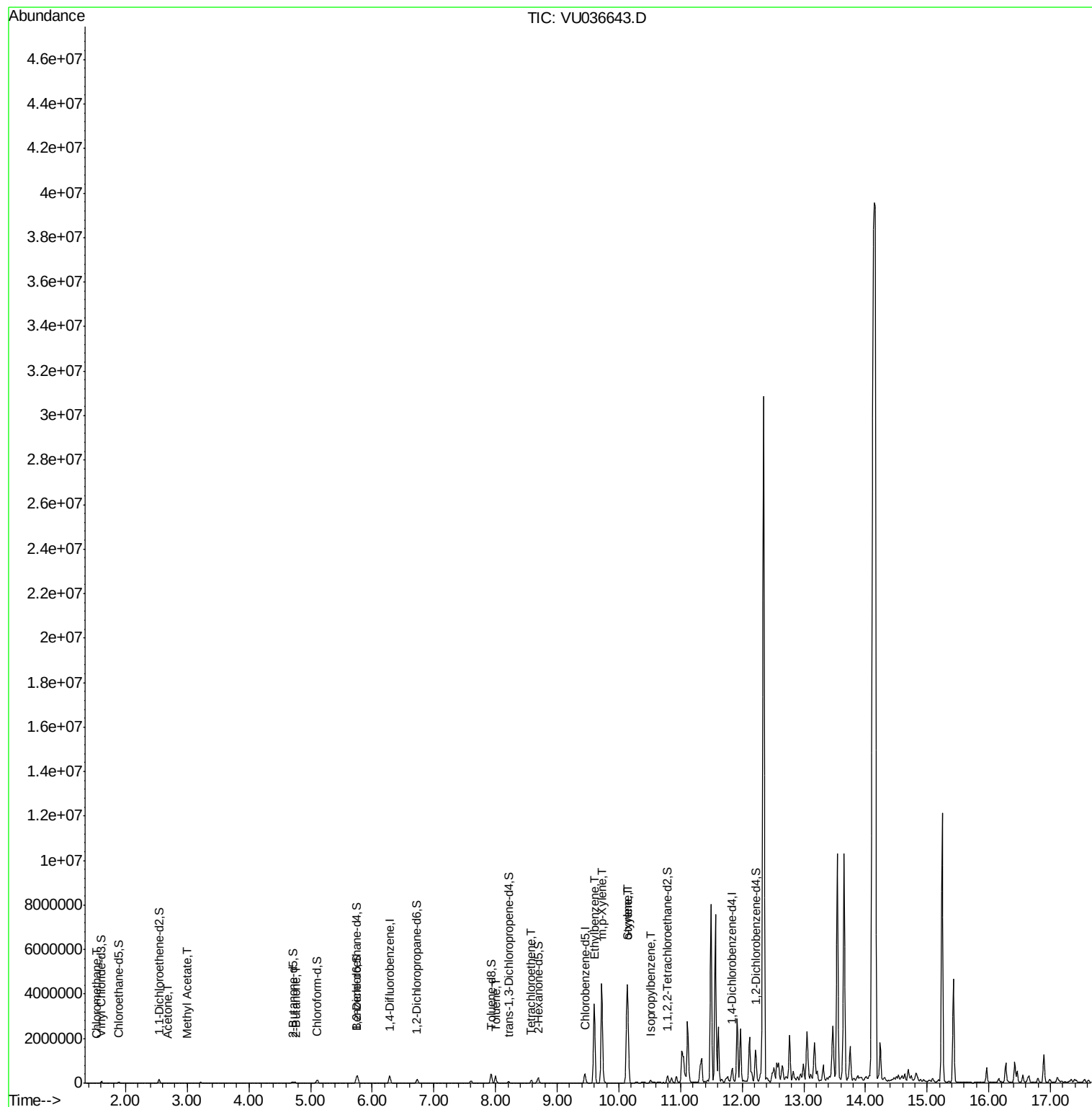
					Ovalue
3) Chloromethane	1.53	50	1921	0.791	ug/L 98
13) Acetone	2.69	43	2262	1.755	ug/L 69
15) Methyl Acetate	3.00	43	1712	0.849	ug/L # 85
22) 2-Butanone	4.77	43	9678	6.249	ug/L # 47
42) Toluene	8.00	91	254493	26.611	ug/L 100
46) Tetrachloroethene	8.58	164	34809	18.920	ug/L 99
52) Ethylbenzene	9.60	91	2912890	278.047	ug/L 100
53) m,p-Xylene	9.72	106	1493329	365.467	ug/L 98
54) o-xylene	10.13	106	1015113	249.060	ug/L 99
55) Styrene	10.15	104	1438548	217.493	ug/L 99
56) Isopropylbenzene	10.51	105	82240	7.936	ug/L 99

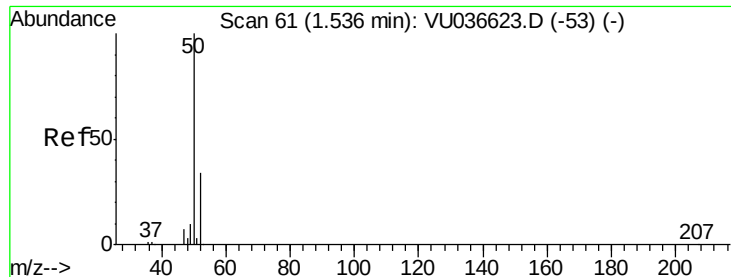
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.791 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.01 min

Lab File: VU036643.D

Acq: 31 Jan 2020 01:52

Instrument :

MSVOA_U

ClientSampleId :

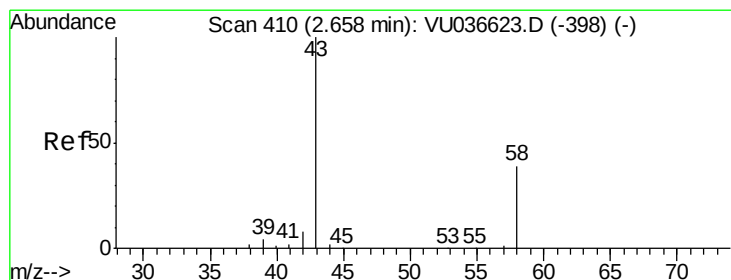
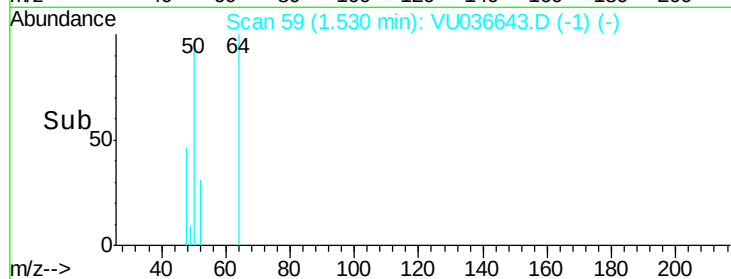
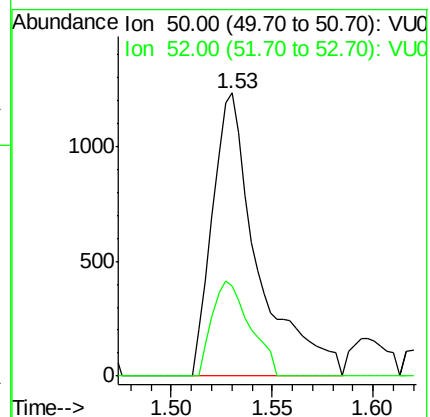
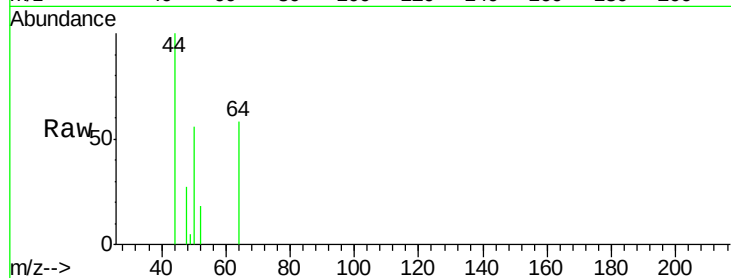
GAT70

Tot Ion: 50 Resp: 1921

Ion Ratio Lower Upper

50 100

52 31.7 23.2 43.0



#13

Acetone

Concen: 1.755 ug/L

RT: 2.69 min Scan# 420

Delta R.T. 0.03 min

Lab File: VU036643.D

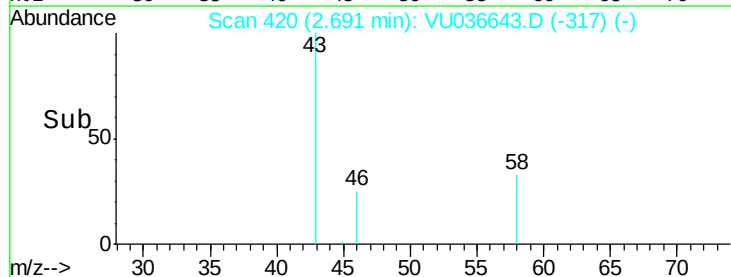
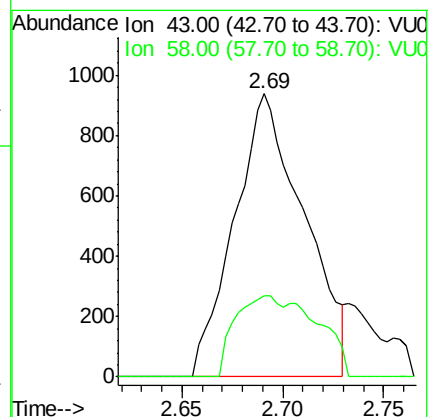
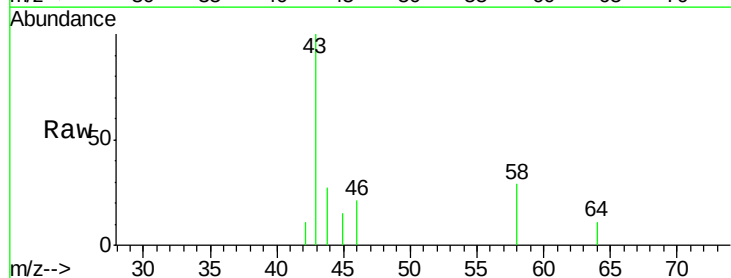
Acq: 31 Jan 2020 01:52

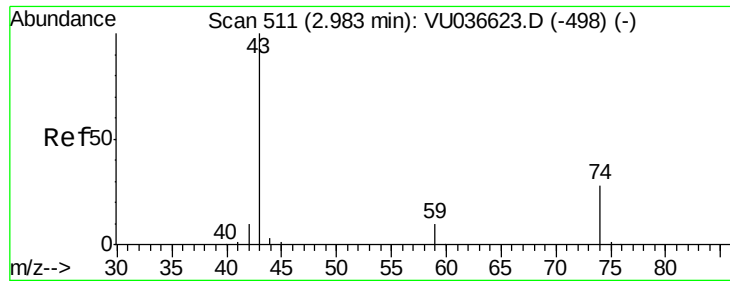
Tgt Ion: 43 Resp: 2262

Ion Ratio Lower Upper

43 100

58 19.4 0.0 75.4

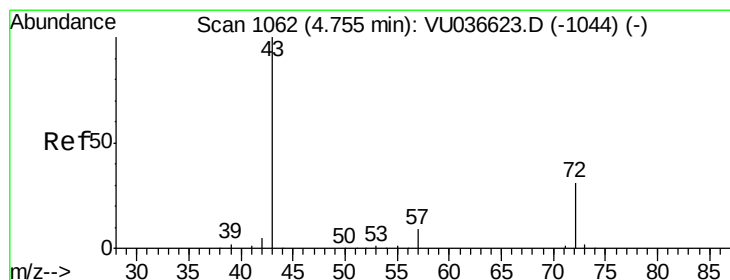
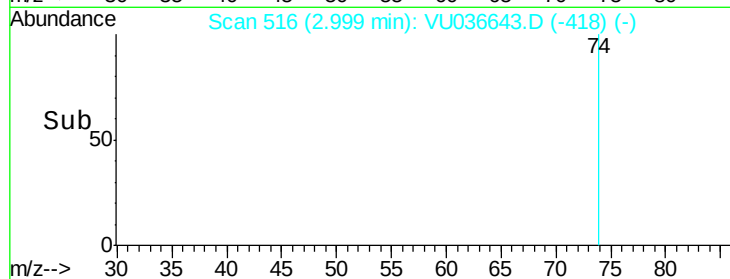
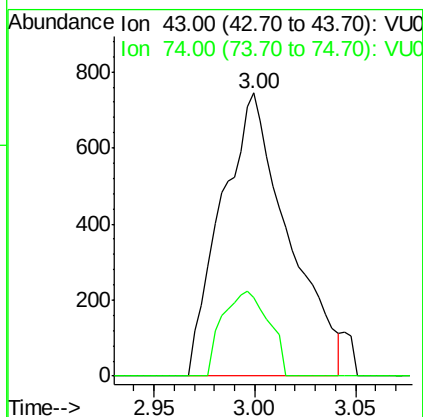
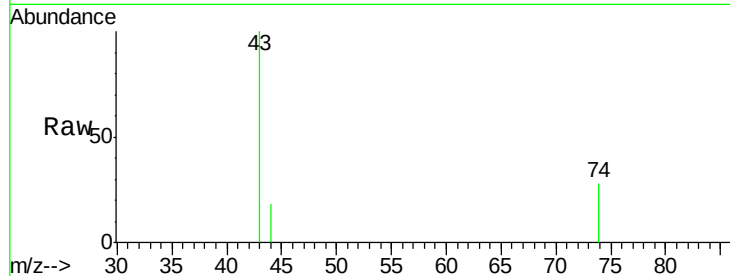




#15
Methvl Acetate
Concen: 0.849 ug/L
RT: 3.00 min Scan# 516
Delta R.T. 0.02 min
Lab File: VU036643.D
Acq: 31 Jan 2020 01:52

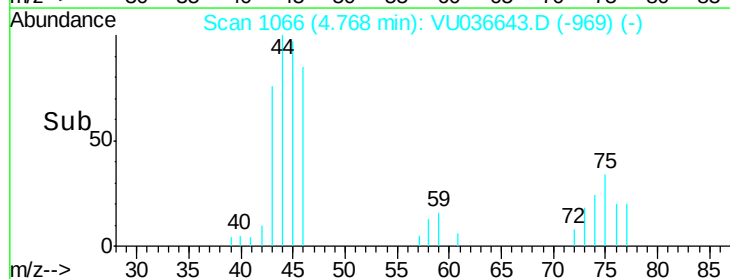
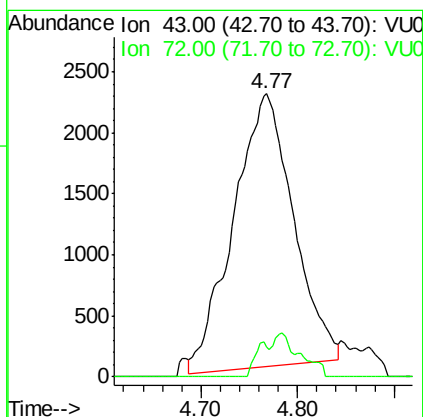
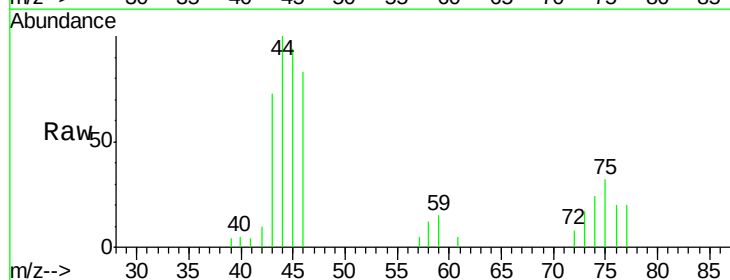
Instrument :
MSVOA_U
ClientSampleId :
GAT70

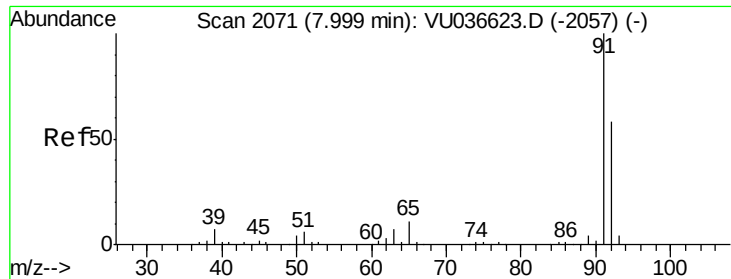
Tot Ion: 43 Resp: 1712
Ion Ratio Lower Upper
43 100
74 20.9 23.3 34.9#



#22
2-Butanone
Concen: 6.249 ug/L
RT: 4.77 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VU036643.D
Acq: 31 Jan 2020 01:52

Tgt Ion: 43 Resp: 9678
Ion Ratio Lower Upper
43 100
72 3.0 16.7 50.1#





#42

Toluene

Concen: 26.611 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036643.D

Acq: 31 Jan 2020 01:52

Instrument :

MSVOA_U

ClientSampleId :

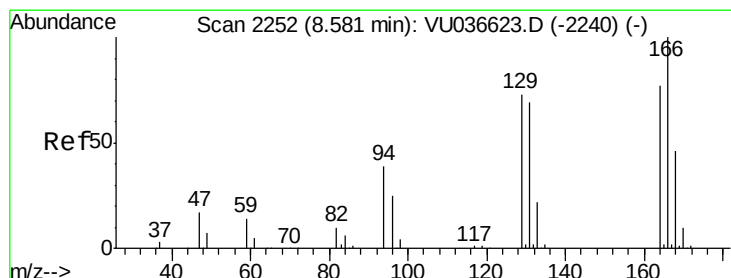
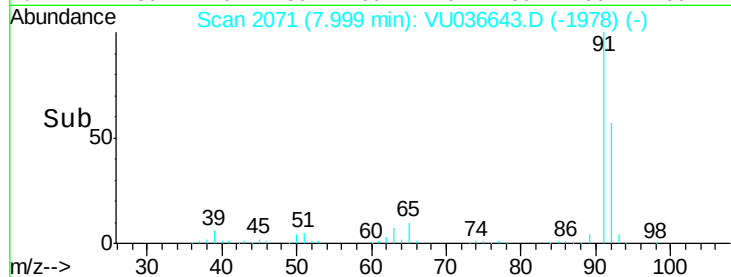
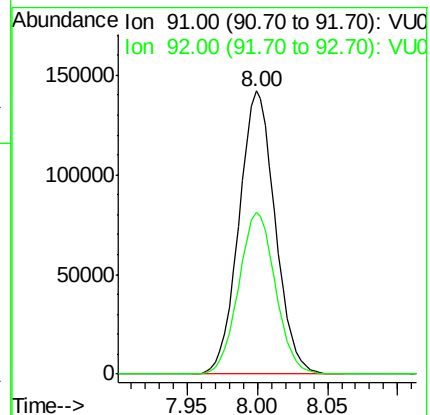
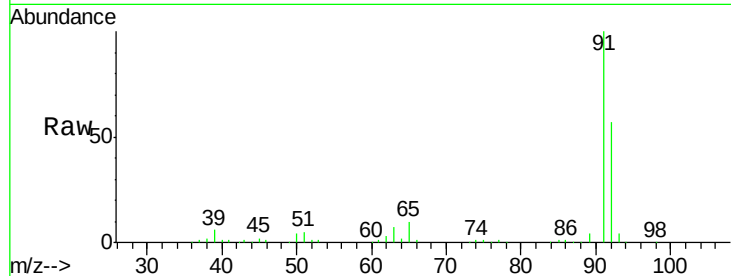
GAT70

Tot Ion: 91 Resp: 254493

Ion Ratio Lower Upper

91 100

92 57.1 39.9 74.1



#46

Tetrachloroethene

Concen: 18.920 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.00 min

Lab File: VU036643.D

Acq: 31 Jan 2020 01:52

Tgt Ion: 164 Resp: 34809

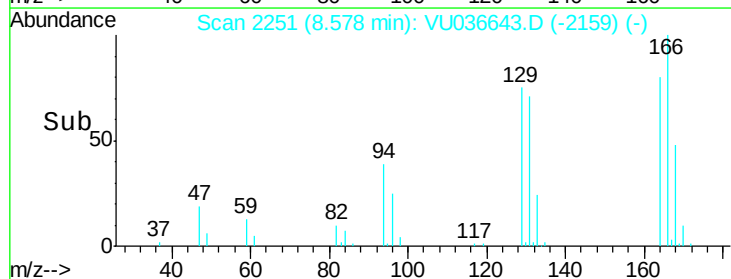
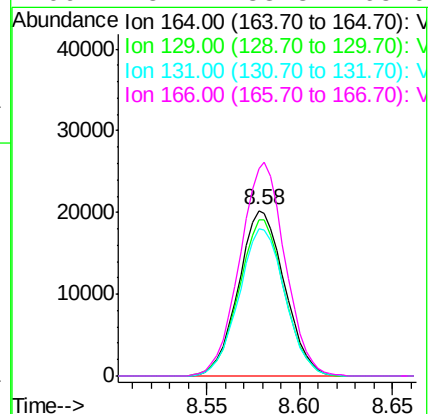
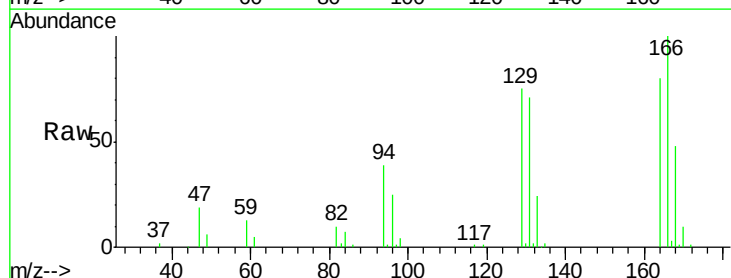
Ion Ratio Lower Upper

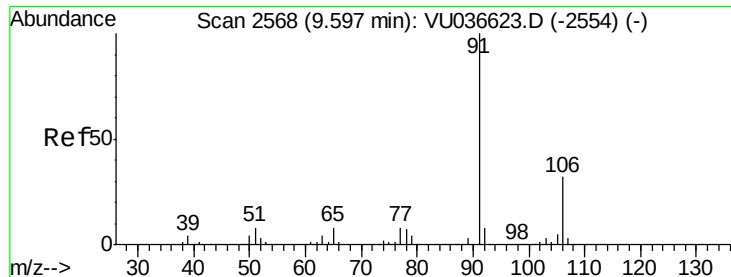
164 100

129 94.2 64.2 119.2

131 88.8 61.8 114.8

166 125.4 88.8 165.0

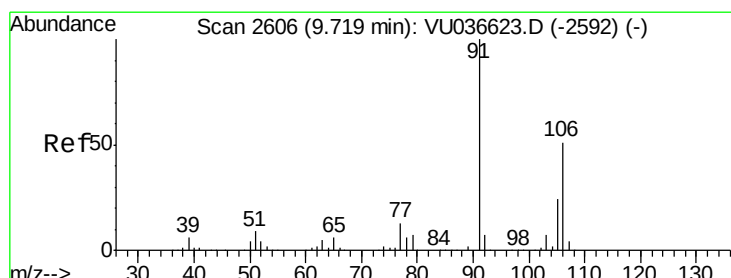
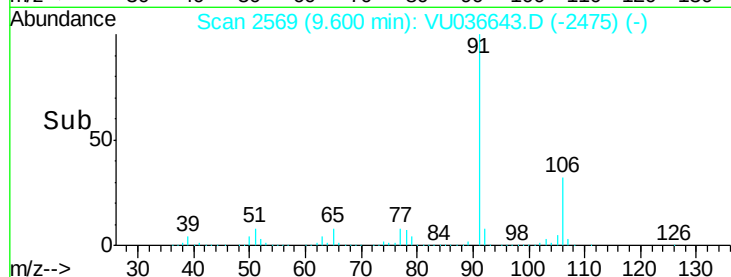
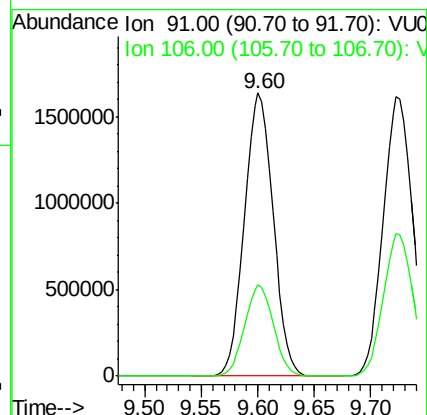
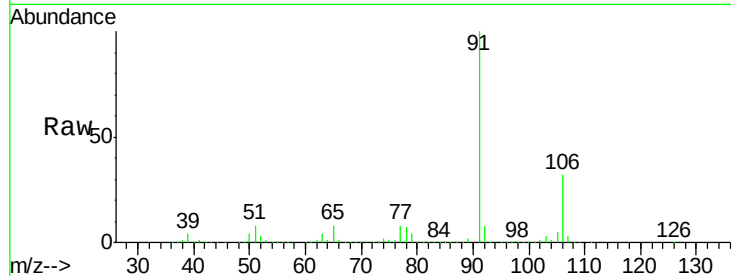




#52
Ethylbenzene
Concen: 278.047 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. 0.00 min
Lab File: VU036643.D
Acq: 31 Jan 2020 01:52

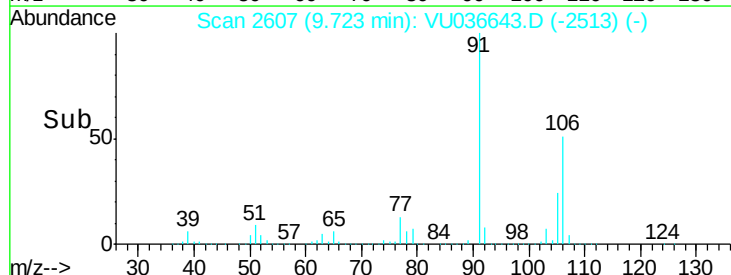
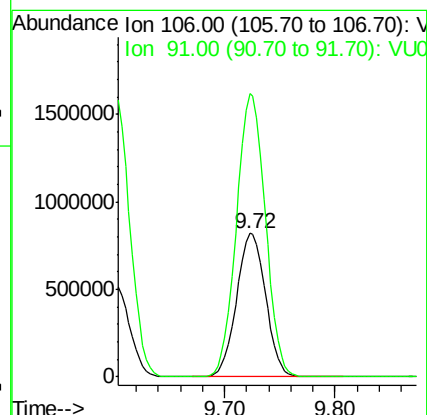
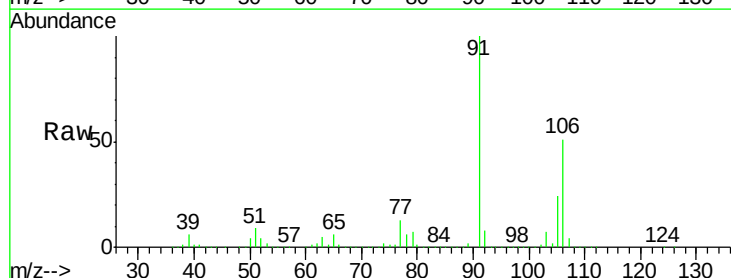
Instrument :
MSVOA_U
ClientSampleId :
GAT70

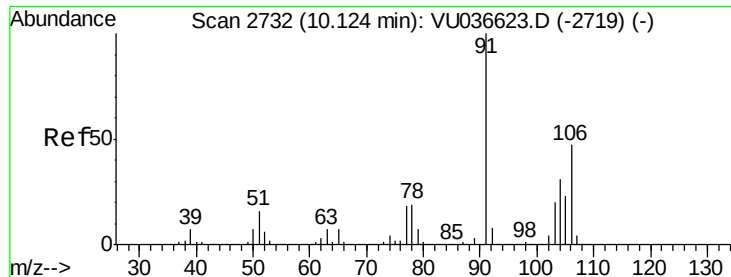
Tot Ion: 91 Resp: 2912890
Ion Ratio Lower Upper
91 100
106 32.2 22.6 42.0



#53
m,p-Xylene
Concen: 365.467 ug/L
RT: 9.72 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VU036643.D
Acq: 31 Jan 2020 01:52

Tgt Ion: 106 Resp: 1493329
Ion Ratio Lower Upper
106 100
91 196.9 139.4 259.0





#54

o-xylene

Concen: 249.060 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.01 min

Lab File: VU036643.D

Acq: 31 Jan 2020 01:52

Instrument :

MSVOA_U

ClientSampled :

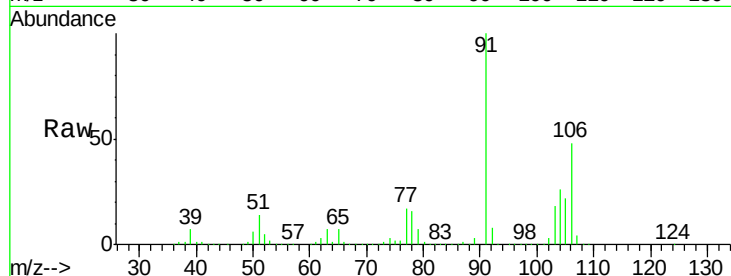
GAT70

Tot Ion:106 Resp: 1015113

Ion Ratio Lower Upper

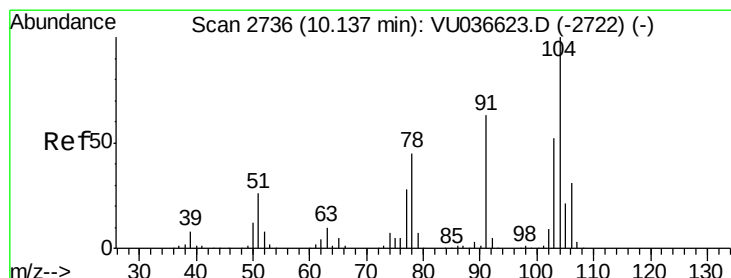
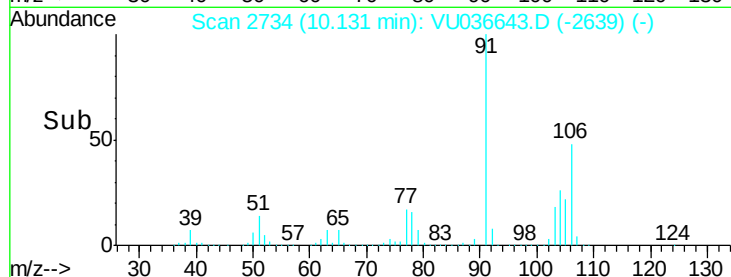
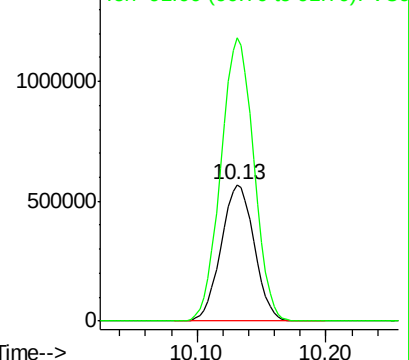
106 100

91 207.1 145.9 271.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 217.493 ug/L

RT: 10.15 min Scan# 2739

Delta R.T. 0.01 min

Lab File: VU036643.D

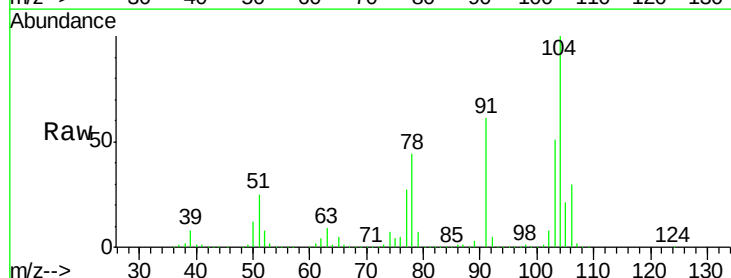
Acq: 31 Jan 2020 01:52

Tgt Ion:104 Resp: 1438548

Ion Ratio Lower Upper

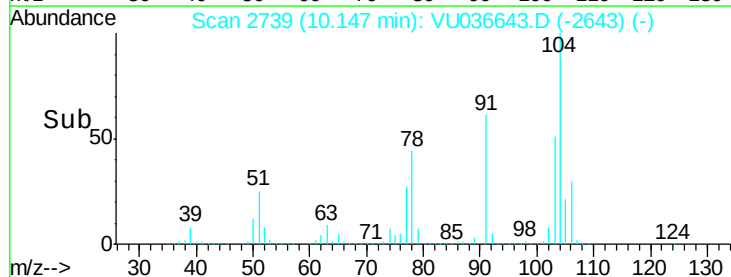
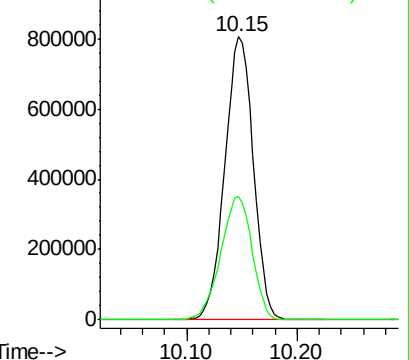
104 100

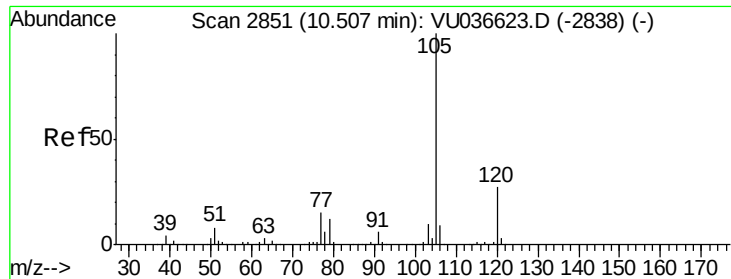
78 43.6 30.1 55.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 7.936 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.01 min

Lab File: VU036643.D

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Instrument :

MSVOA_U

ClientSampleId :

GAT70

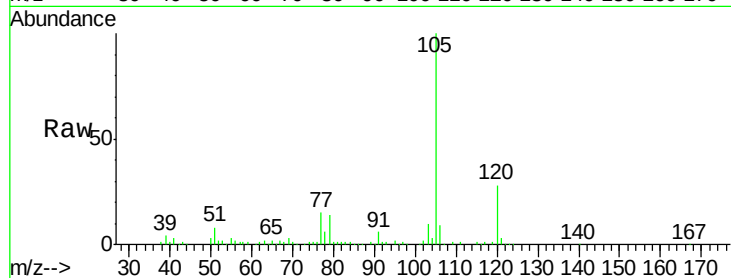
Tot Ion:105 Resp: 82240

Ion Ratio Lower Upper

105 100

120 27.3 21.6 32.4

77 15.6 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

