

Data File : VU036639.D
Acq On : 31 Jan 2020 00:11
Operator : JC/MD
Sample : L1324-08
Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAT65

Quant Time: Jan 31 04:05:53 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	292658	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	281560	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	150919	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	71532	32.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.26%
7) Chloroethane-d5	1.89	69	16913	8.99	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	17.98%#
11) 1,1-Dichloroethene-d2	2.63	63	307	0.09	ug/L	0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.18%#
21) 2-Butanone-d5	4.70	46	70844	54.45	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	54.45%
24) Chloroform-d	5.11	84	142531	39.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.42%
26) 1,2-Dichloroethane-d4	5.74	65	95010	42.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.94%
32) Benzene-d6	5.76	84	333808	42.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.30%
36) 1,2-Dichloropropane-d6	6.73	67	108237	43.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.72%
41) Toluene-d8	7.93	98	321169	42.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.30%
43) trans-1,3-Dichloropropene-	8.21	79	49956	42.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.12%
47) 2-Hexanone-d5	8.69	63	123080	107.54	ug/L	0.03
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.54%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	162744	44.85	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.70%
64) 1,2-Dichlorobenzene-d4	12.22	152	138016	42.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.24%

Target Compounds

					Qvalue
3) Chloromethane	1.53	50	2063	0.869 ug/L	97
13) Acetone	2.69	43	2566	2.037 ug/L	46
15) Methyl Acetate	2.99	43	1670	0.848 ug/L #	78
22) 2-Butanone	4.75	43	4287	2.833 ug/L #	54
25) Chloroform	5.13	83	5057	1.415 ug/L	95
35) Methylcyclohexane	6.73	83	24297	6.723 ug/L #	21
37) 1,2-Dichloropropane	6.73	63	10527	4.920 ug/L #	87
39) cis-1,3-Dichloropropene	7.60	75	2888	0.838 ug/L #	62
42) Toluene	8.00	91	16073	1.757 ug/L	98
46) Tetrachloroethene	8.58	164	68340	38.825 ug/L	99
48) 2-Hexanone	8.69	43	12052	5.833 ug/L #	62
49) Dibromochloromethane	8.58	129	62368	27.454 ug/L #	11
52) Ethylbenzene	9.60	91	88739	8.853 ug/L	98
53) m,p-Xylene	9.73	106	33098	8.466 ug/L	98
54) o-xylene	10.13	106	51309	13.158 ug/L	95
55) Styrene	10.14	104	10619	1.678 ug/L #	54
56) Isopropylbenzene	10.51	105	14283	1.441 ug/L	98

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

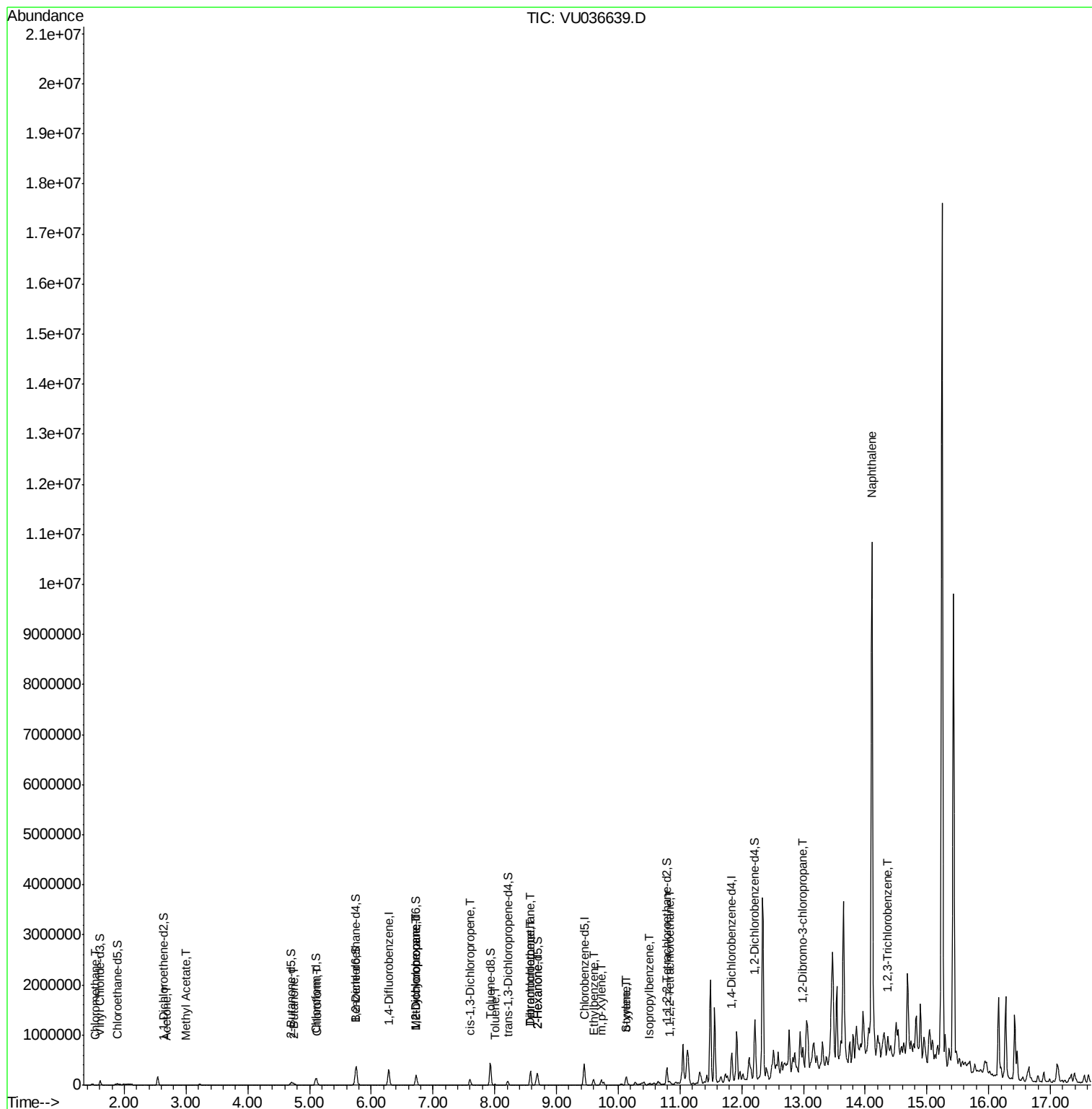
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
58) 1,1,2,2-Tetrachloroethane	10.83	83	5068	1.370	ug/L #	38
66) 1,2-Dibromo-3-chloropropan	13.00	75	1523	1.838	ug/L #	23
69) Naphthalene	14.11	128	8456449	1165.969	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	5264	2.038	ug/L #	1

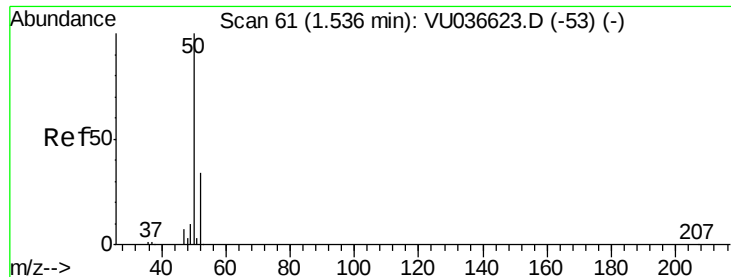
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.869 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.01 min

Lab File: VU036639.D

Acq: 31 Jan 2020 00:11

Instrument :

MSVOA_U

ClientSampleId :

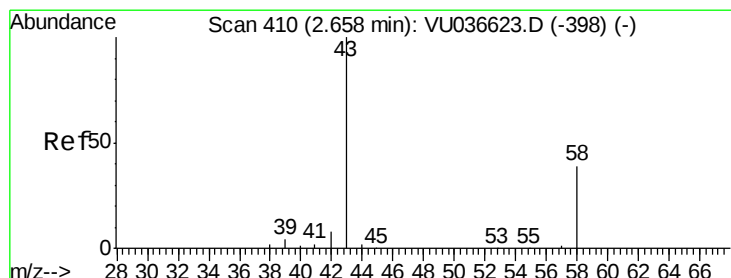
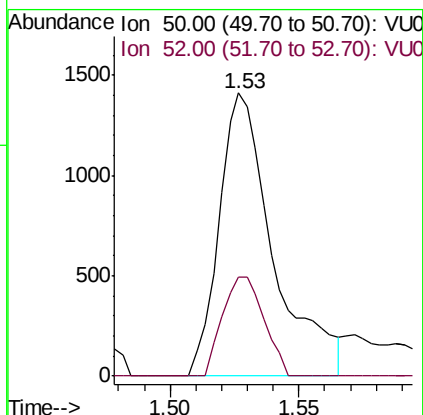
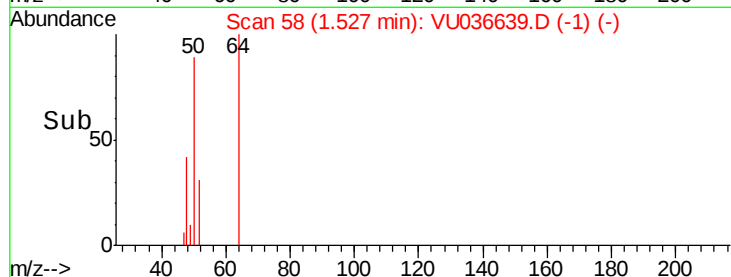
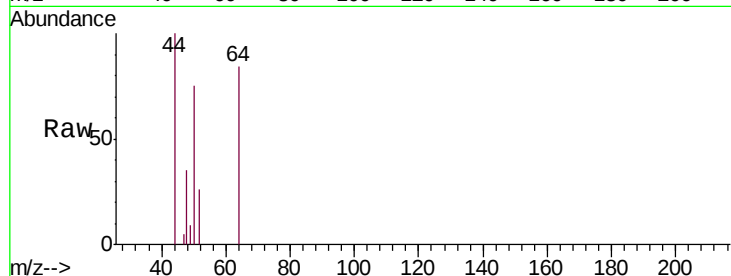
GAT65

Tgt Ion: 50 Resp: 2063

Ion Ratio Lower Upper

50 100

52 34.9 23.2 43.0



#13

Acetone

Concen: 2.037 ug/L

RT: 2.69 min Scan# 420

Delta R.T. 0.03 min

Lab File: VU036639.D

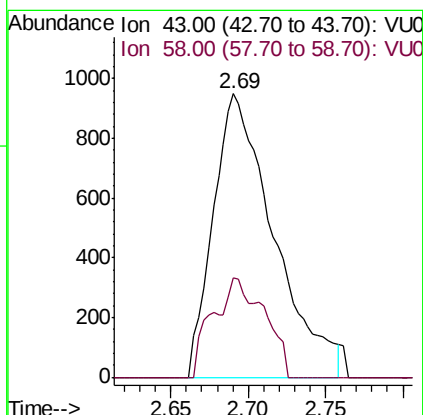
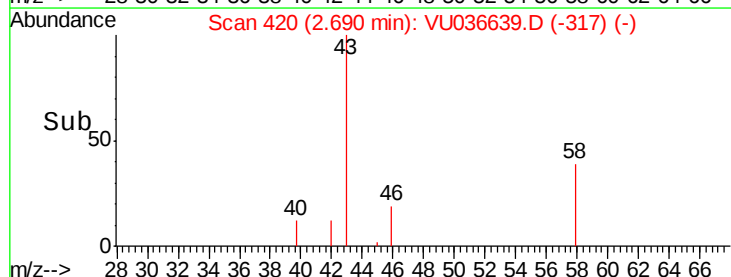
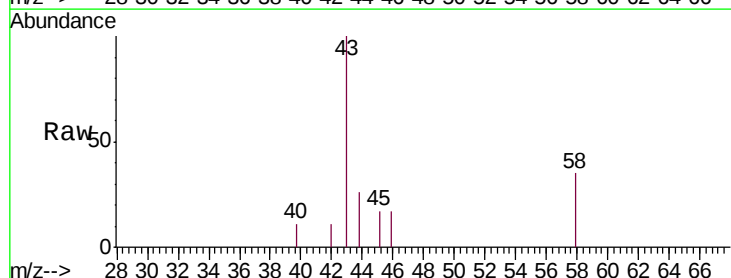
Acq: 31 Jan 2020 00:11

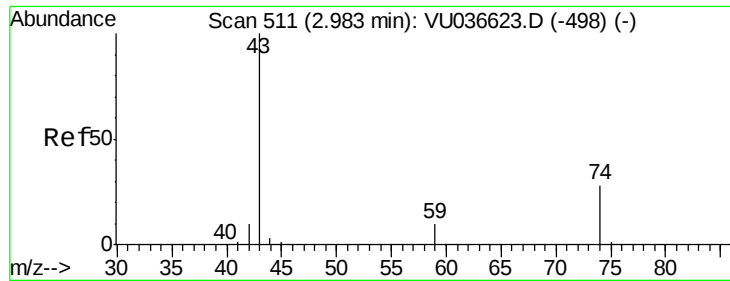
Tgt Ion: 43 Resp: 2566

Ion Ratio Lower Upper

43 100

58 5.3 0.0 75.4

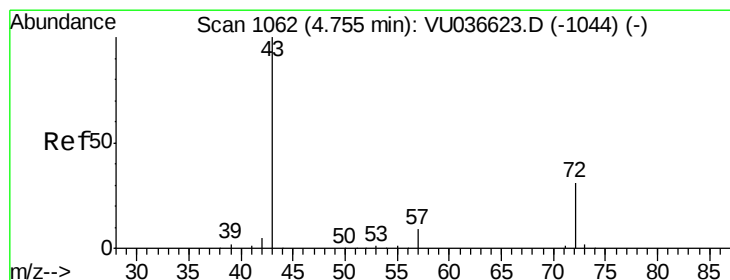
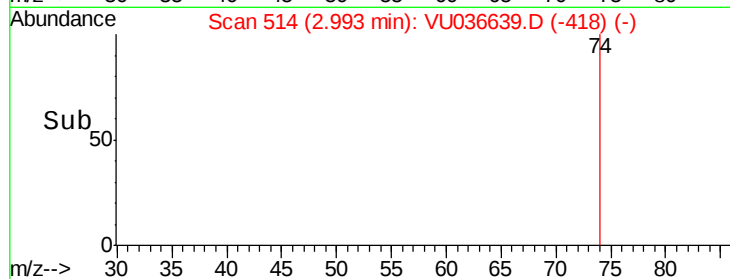
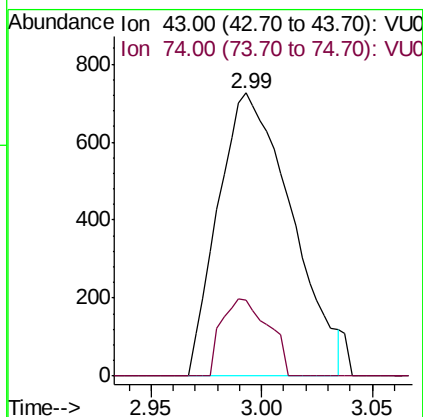
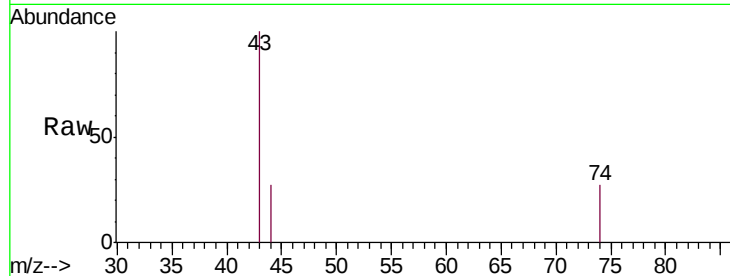




#15
Methyl Acetate
Concen: 0.848 ug/L
RT: 2.99 min Scan# 514
Delta R.T. 0.01 min
Lab File: VU036639.D
Acq: 31 Jan 2020 00:11

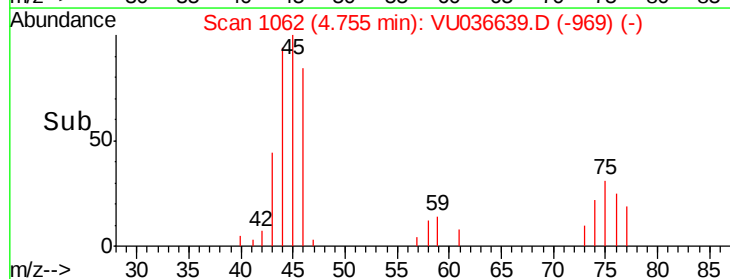
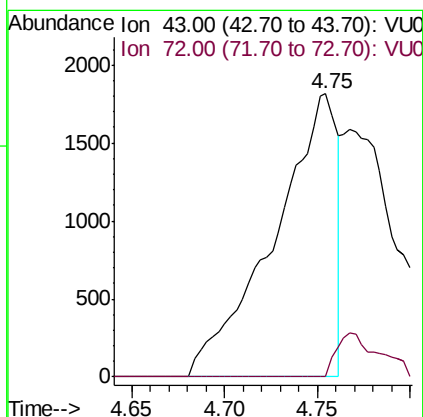
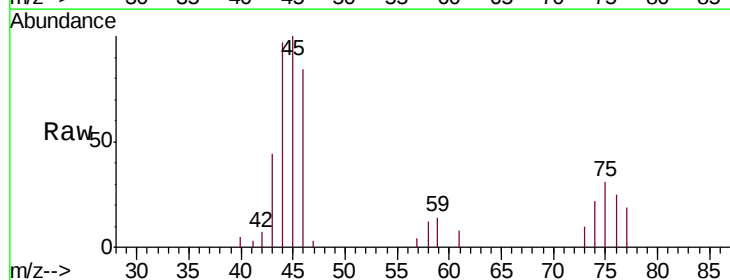
Instrument :
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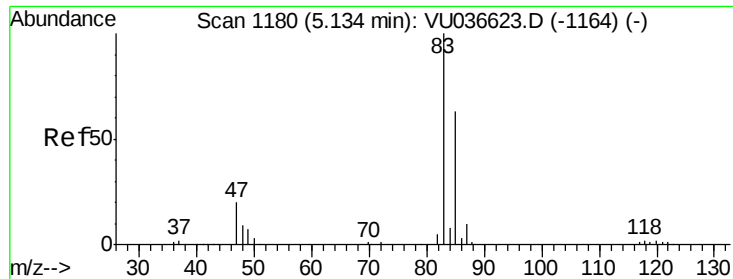
Tgt Ion: 43 Resp: 1670
Ion Ratio Lower Upper
43 100
74 17.4 23.3 34.9#



#22
2-Butanone
Concen: 2.833 ug/L
RT: 4.75 min Scan# 1062
Delta R.T. -0.00 min
Lab File: VU036639.D
Acq: 31 Jan 2020 00:11

Tgt Ion: 43 Resp: 4287
Ion Ratio Lower Upper
43 100
72 7.4 16.7 50.1#

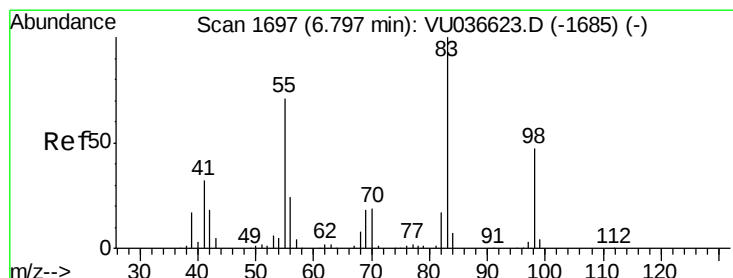
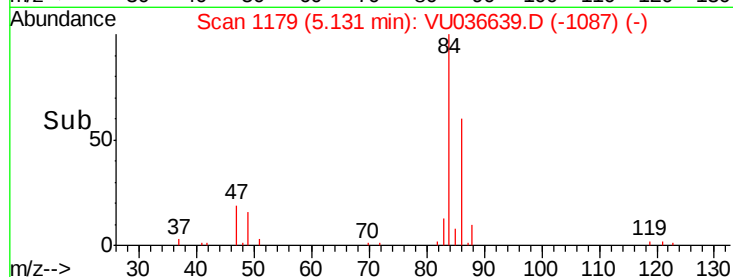
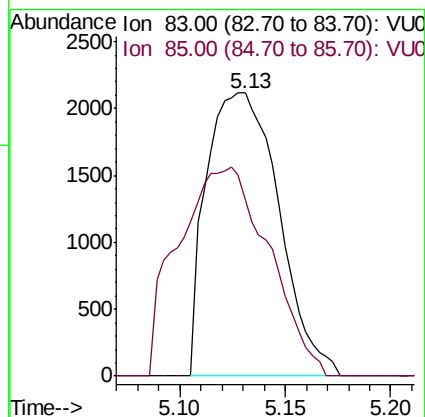
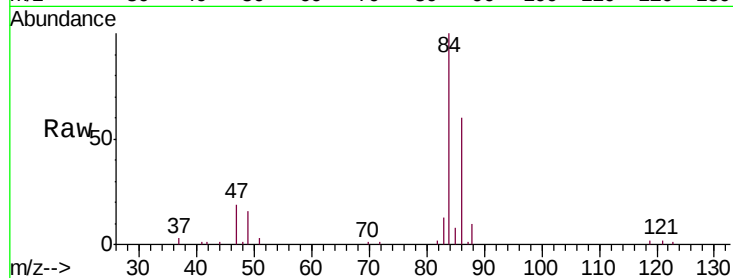




#25
Chloroform
Concen: 1.415 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036639.D
Acq: 31 Jan 2020 00:11

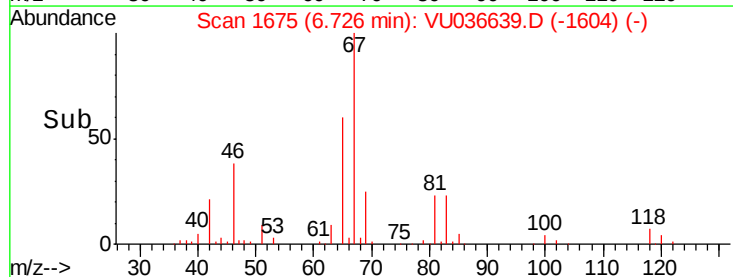
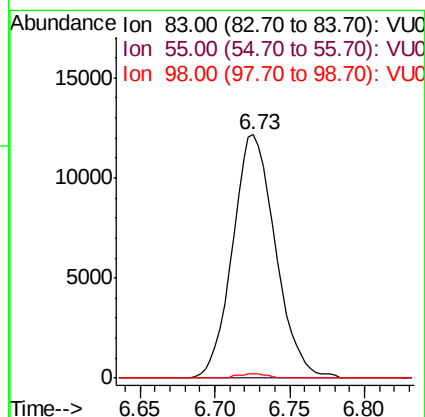
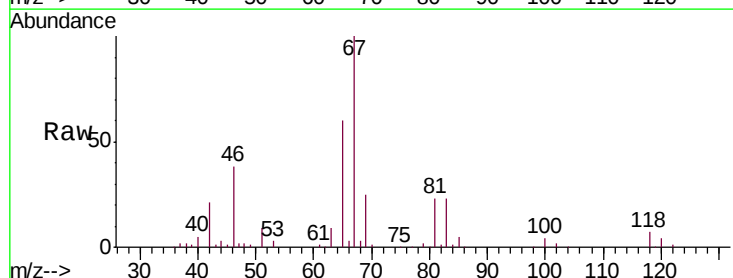
Instrument :
MSVOA_U
ClientSampleId :
GAT65

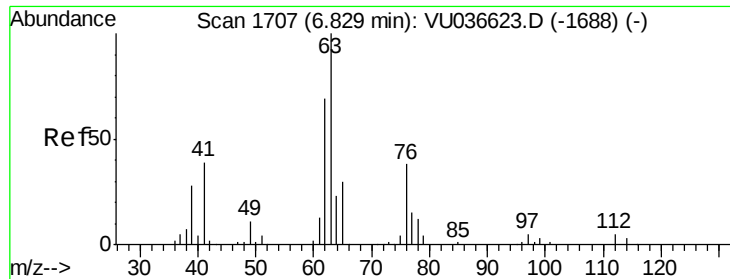
Tgt Ion: 83 Resp: 5057
Ion Ratio Lower Upper
83 100
85 62.3 46.3 85.9



#35
Methylcyclohexane
Concen: 6.723 ug/L
RT: 6.73 min Scan# 1675
Delta R.T. -0.07 min
Lab File: VU036639.D
Acq: 31 Jan 2020 00:11

Tgt Ion: 83 Resp: 24297
Ion Ratio Lower Upper
83 100
55 0.0 56.1 84.1#
98 1.1 37.5 56.3#

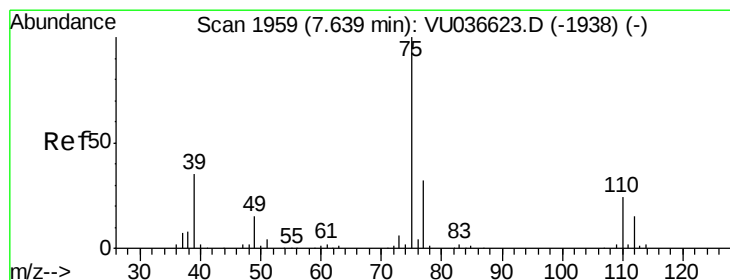
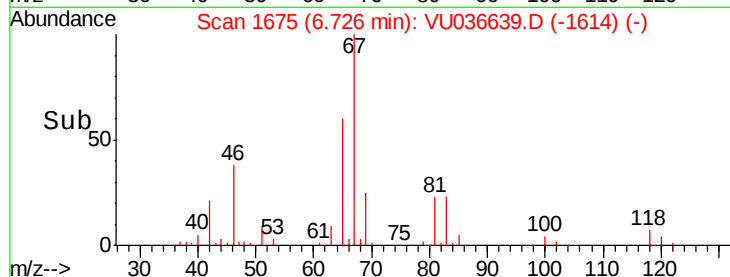
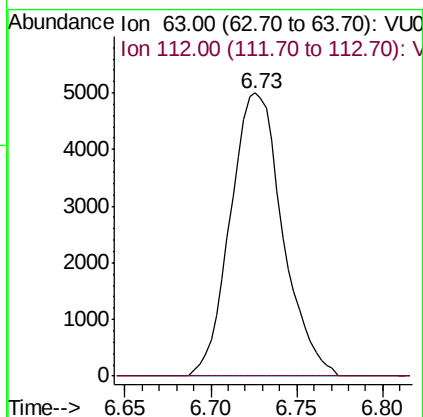
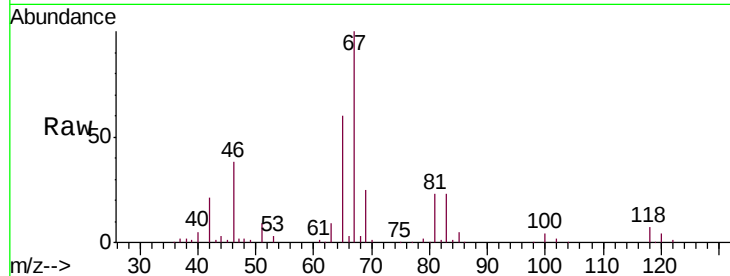




#37
 1,2-Dichloropropane
 Concen: 4.920 ug/L
 RT: 6.73 min Scan# 1675
 Delta R.T. -0.10 min
 Lab File: VU036639.D
 Acq: 31 Jan 2020 00:11

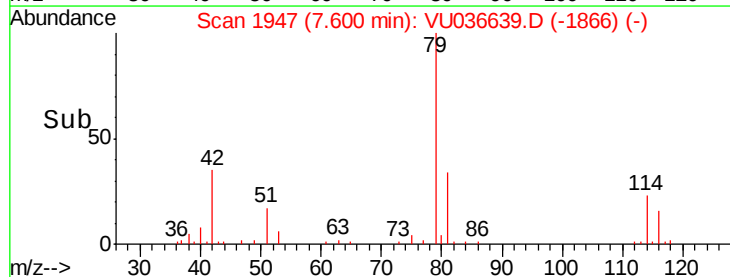
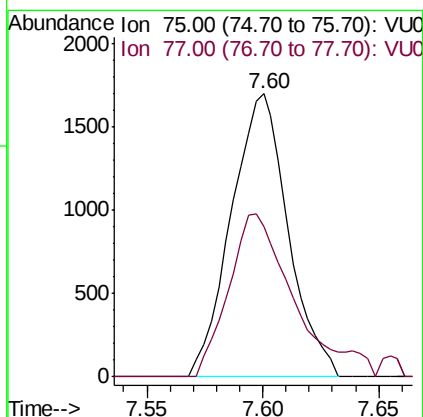
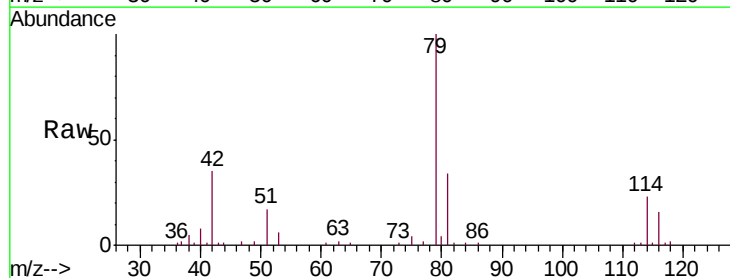
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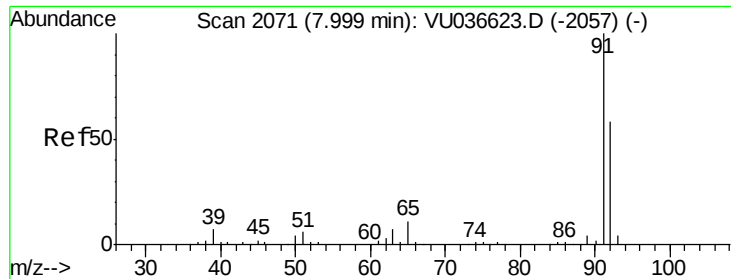
Tgt Ion: 63 Resp: 10527
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.838 ug/L
 RT: 7.60 min Scan# 1947
 Delta R.T. -0.04 min
 Lab File: VU036639.D
 Acq: 31 Jan 2020 00:11

Tgt Ion: 75 Resp: 2888
 Ion Ratio Lower Upper
 75 100
 77 53.3 22.5 41.9#





#42

Toluene

Concen: 1.757 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036639.D

Acq: 31 Jan 2020 00:11

Instrument :

MSVOA_U

ClientSampleId :

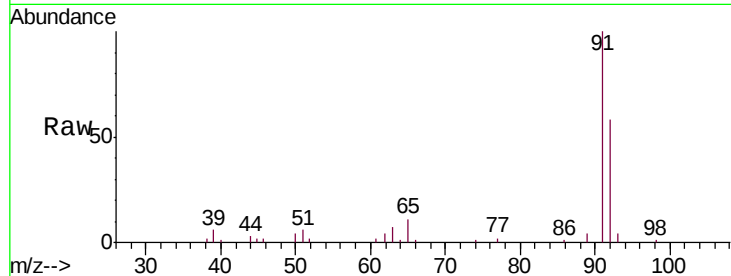
GAT65

Tgt Ion: 91 Resp: 16073

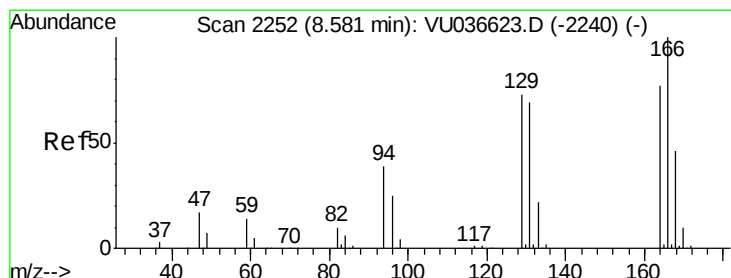
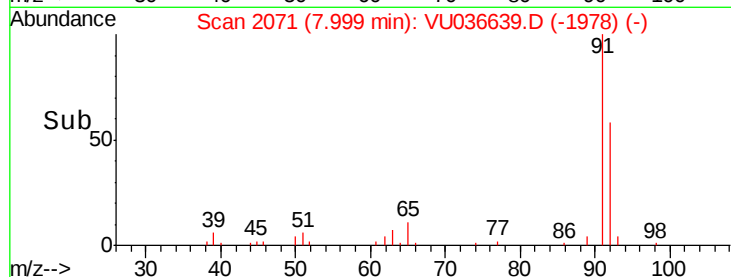
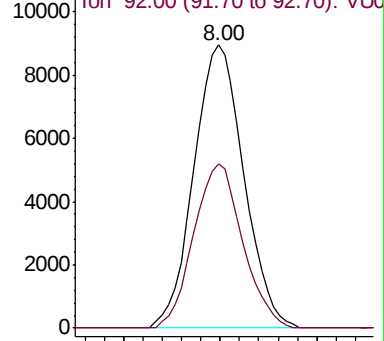
Ion Ratio Lower Upper

91 100

92 58.3 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU036639.D (-1978) (-)



#46

Tetrachloroethene

Concen: 38.825 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.00 min

Lab File: VU036639.D

Acq: 31 Jan 2020 00:11

Tgt Ion: 164 Resp: 68340

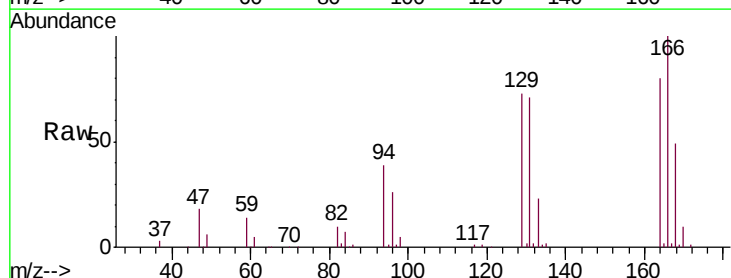
Ion Ratio Lower Upper

164 100

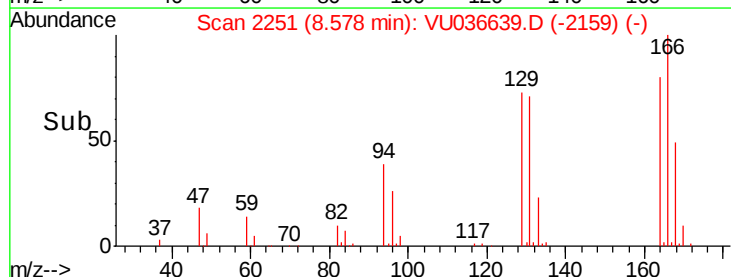
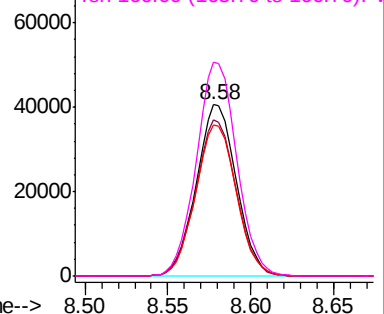
129 91.3 64.2 119.2

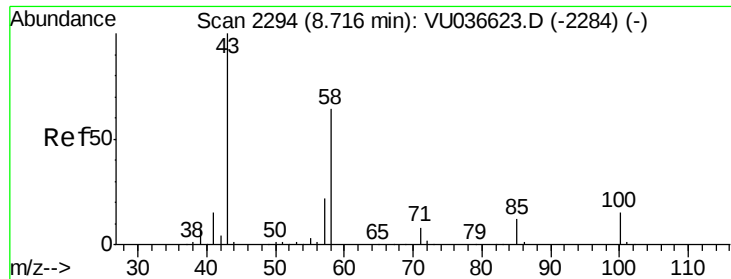
131 88.4 61.8 114.8

166 124.9 88.8 165.0



Abundance Ion 164.00 (163.70 to 164.70): VU036639.D (-2159) (-)

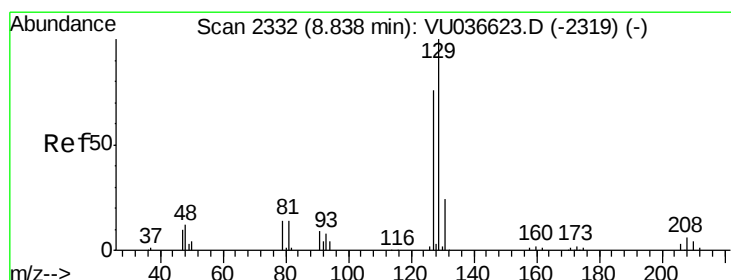
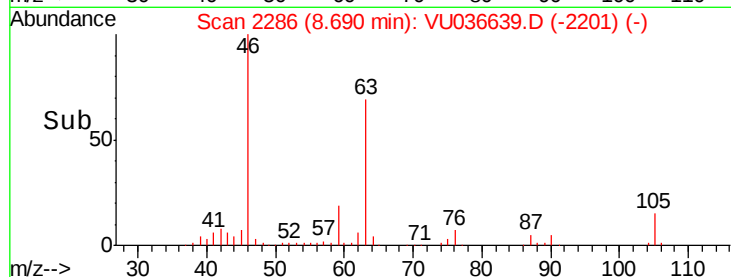
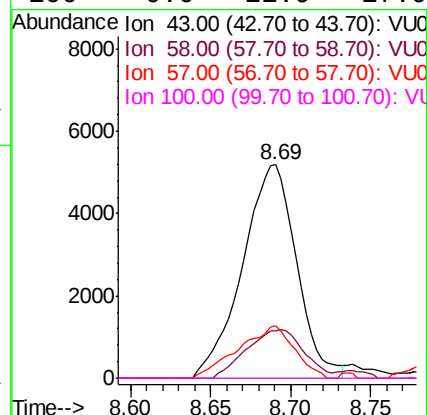
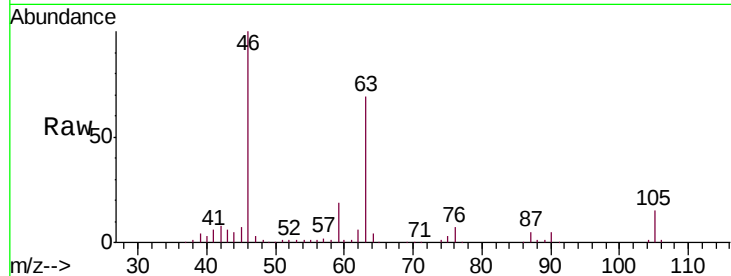




#48
2-Hexanone
Concen: 5.833 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.03 min
Lab File: VU036639.D
Acq: 31 Jan 2020 00:11

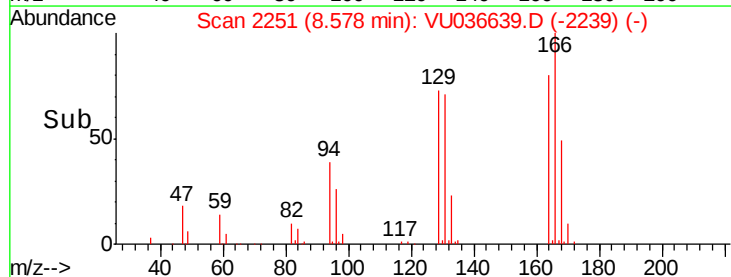
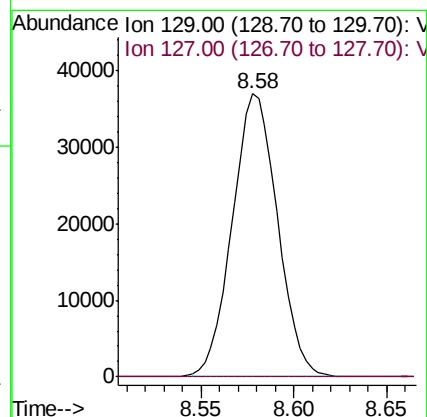
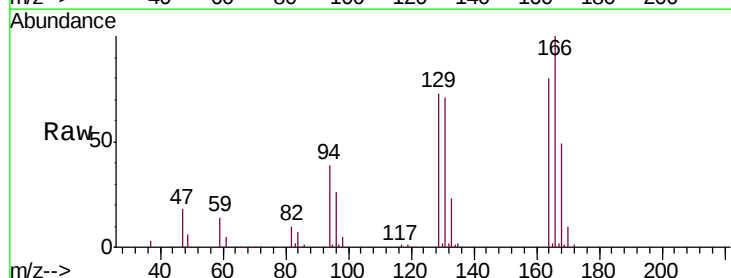
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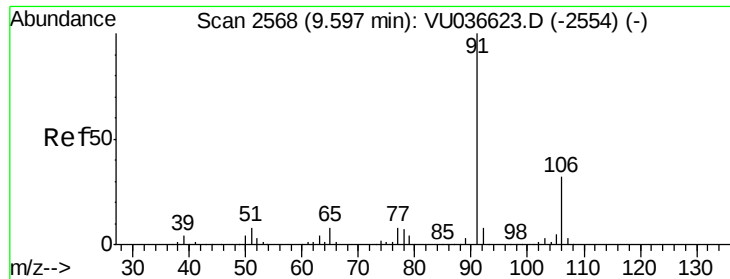
Tgt Ion: 43 Resp: 12052
Ion Ratio Lower Upper
43 100
58 24.2 49.4 74.0#
57 25.3 17.1 25.7
100 0.0 11.9 17.9#



#49
Dibromochloromethane
Concen: 27.454 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. -0.26 min
Lab File: VU036639.D
Acq: 31 Jan 2020 00:11

Tgt Ion: 129 Resp: 62368
Ion Ratio Lower Upper
129 100
127 0.0 54.0 100.2#





#52

Ethylbenzene

Concen: 8.853 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU036639.D

Acq: 31 Jan 2020 00:11

Instrument :

MSVOA_U

ClientSampleId :

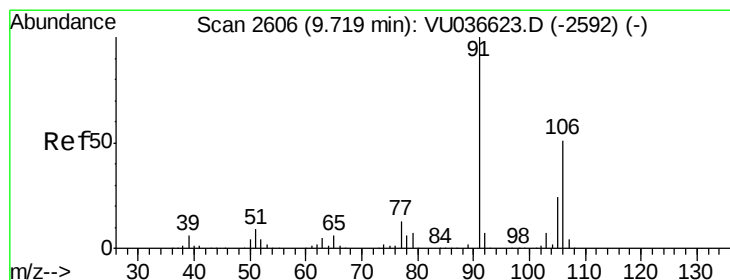
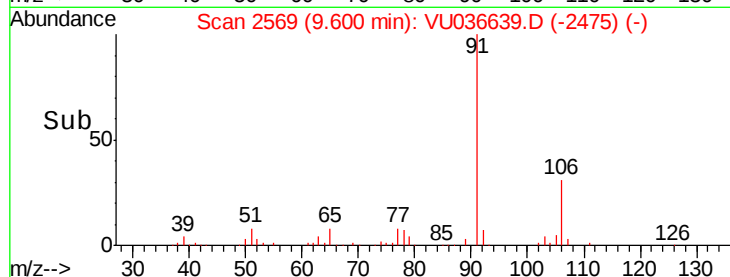
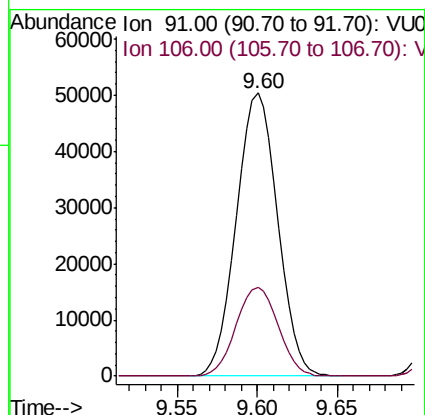
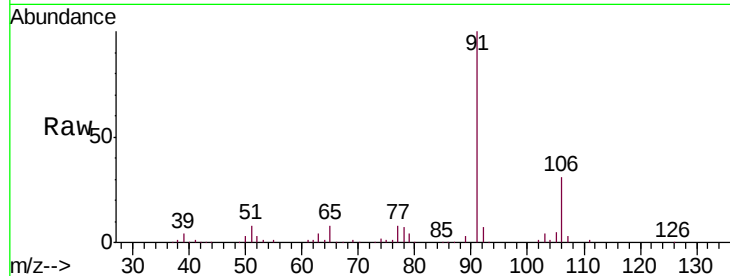
GAT65

Tgt Ion: 91 Resp: 88739

Ion Ratio Lower Upper

91 100

106 31.3 22.6 42.0



#53

m,p-Xylene

Concen: 8.466 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. 0.01 min

Lab File: VU036639.D

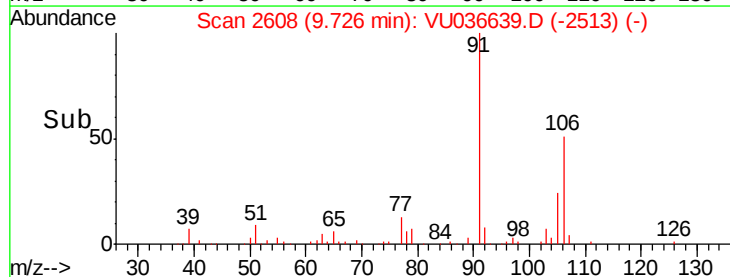
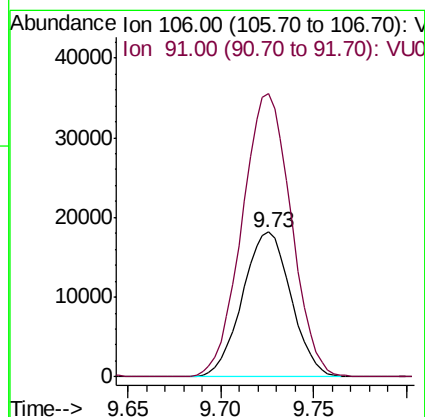
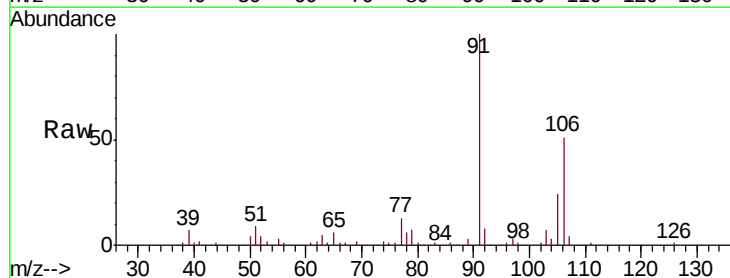
Acq: 31 Jan 2020 00:11

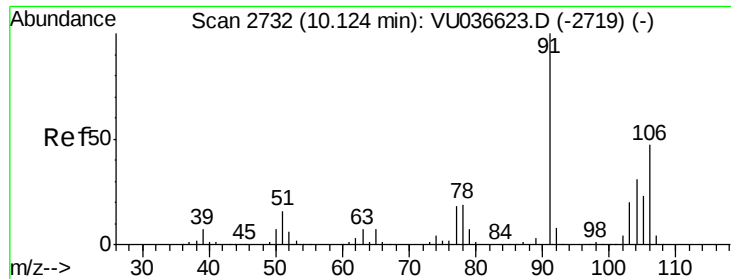
Tgt Ion: 106 Resp: 33098

Ion Ratio Lower Upper

106 100

91 195.7 139.4 259.0





#54

o-xylene

Concen: 13.158 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.01 min

Lab File: VU036639.D

Acq: 31 Jan 2020 00:11

Instrument :

MSVOA_U

ClientSampleId :

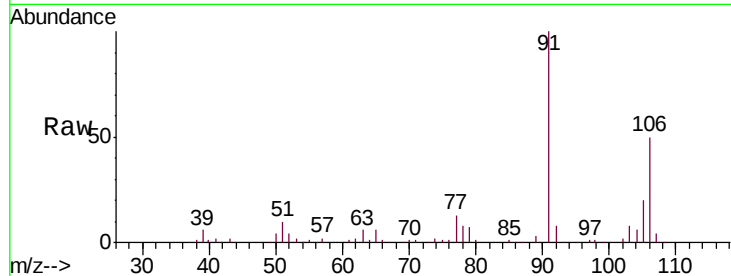
GAT65

Tgt Ion:106 Resp: 51309

Ion Ratio Lower Upper

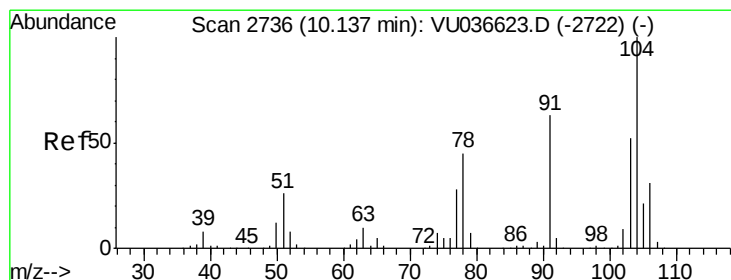
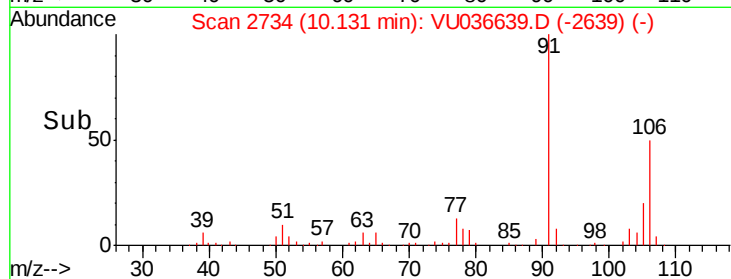
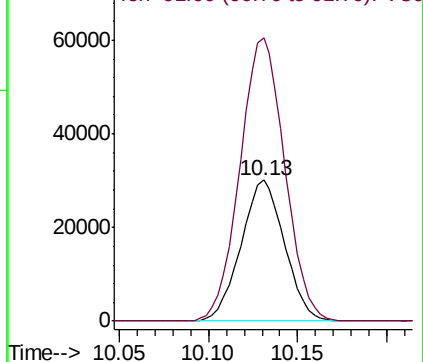
106 100

91 201.1 145.9 271.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 1.678 ug/L

RT: 10.14 min Scan# 2738

Delta R.T. 0.01 min

Lab File: VU036639.D

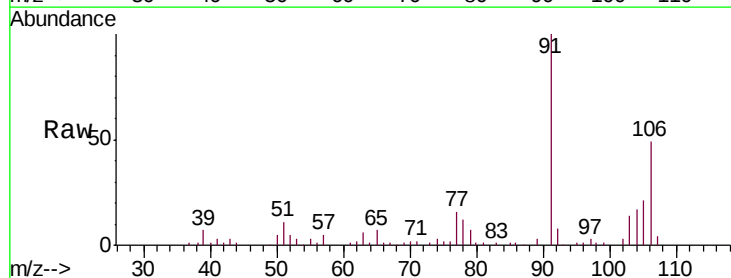
Acq: 31 Jan 2020 00:11

Tgt Ion:104 Resp: 10619

Ion Ratio Lower Upper

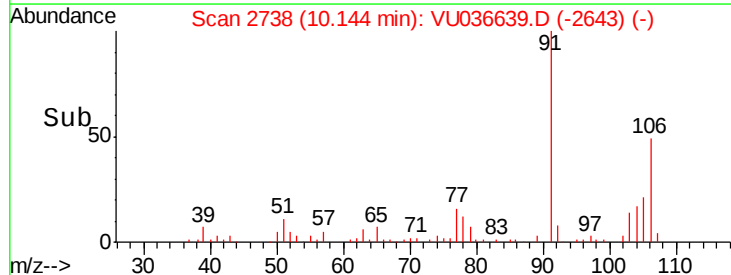
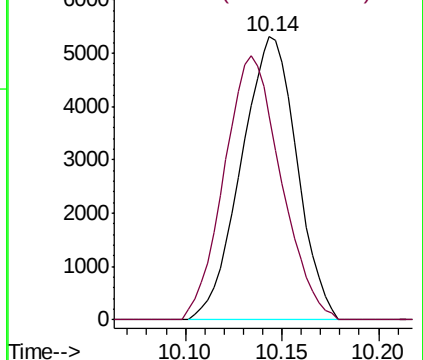
104 100

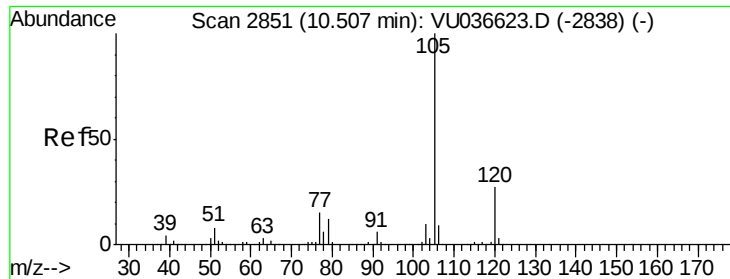
78 72.2 30.1 55.9#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 1.441 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036639.D

Acq: 31 Jan 2020 00:11

Instrument :

MSVOA_U

ClientSampled :

GAT65

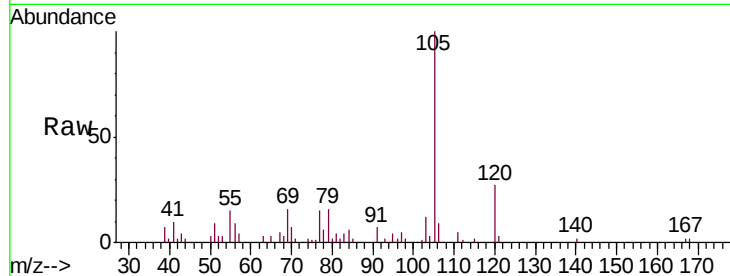
Tgt Ion: 105 Resp: 14283

Ion Ratio Lower Upper

105 100

120 27.4 21.6 32.4

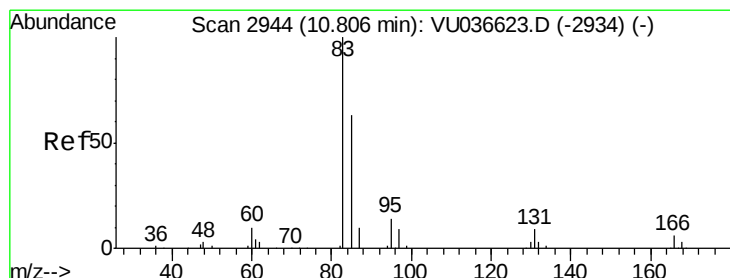
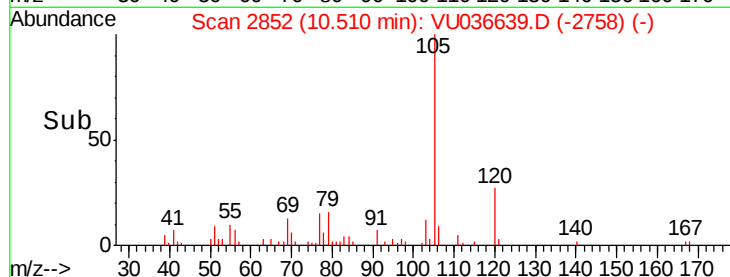
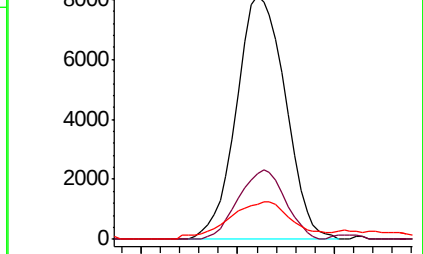
77 17.1 11.8 17.8



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



#58

1,1,2,2-Tetrachloroethane

Concen: 1.370 ug/L

RT: 10.83 min Scan# 2952

Delta R.T. 0.03 min

Lab File: VU036639.D

Acq: 31 Jan 2020 00:11

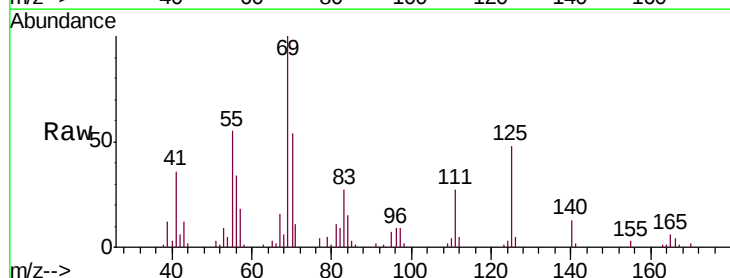
Tgt Ion: 83 Resp: 5068

Ion Ratio Lower Upper

83 100

85 10.8 44.5 82.7#

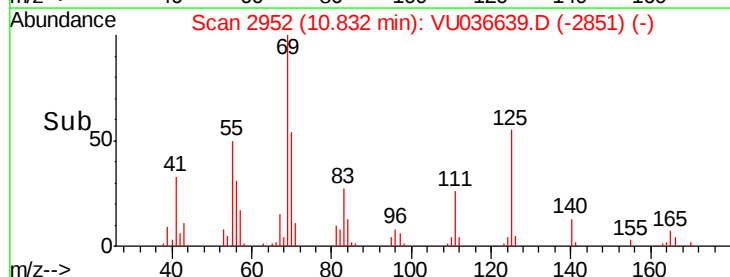
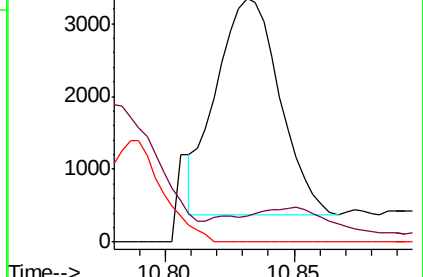
131 0.0 7.8 11.8#

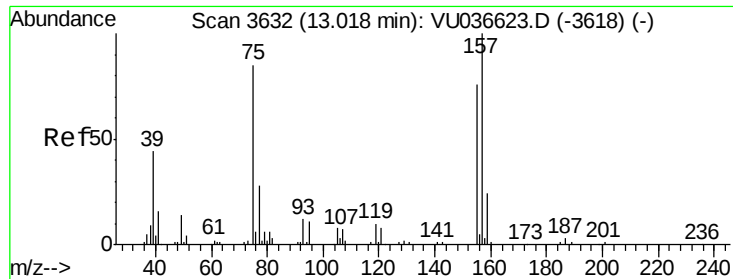


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

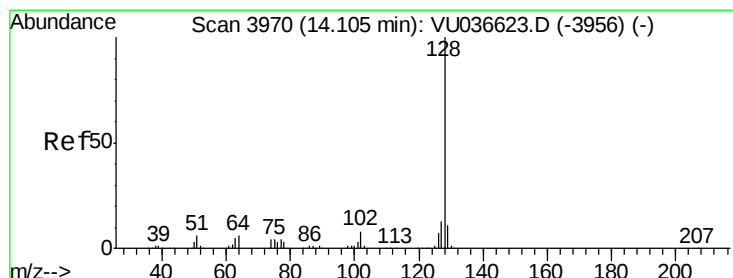
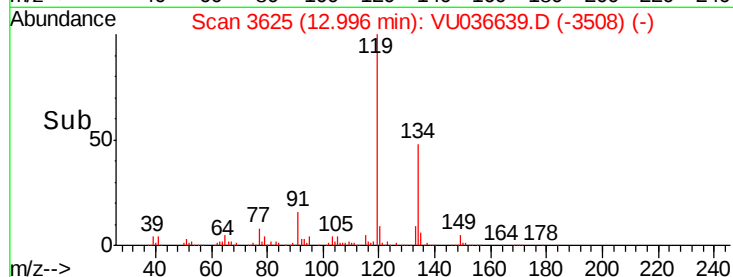
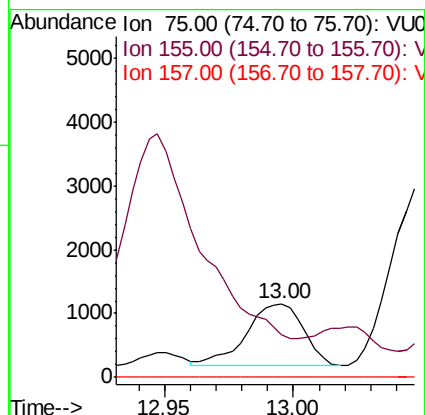
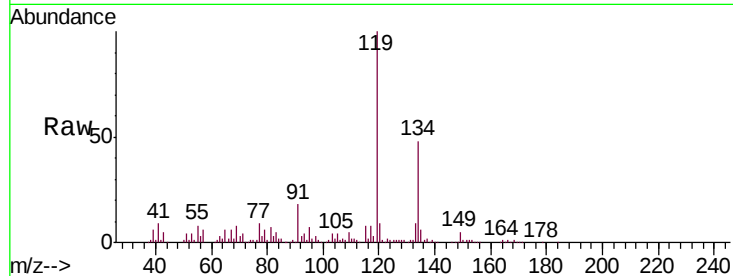




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.838 ug/L
 RT: 13.00 min Scan# 3625
 Delta R.T. -0.02 min
 Lab File: VU036639.D
 Acq: 31 Jan 2020 00:11

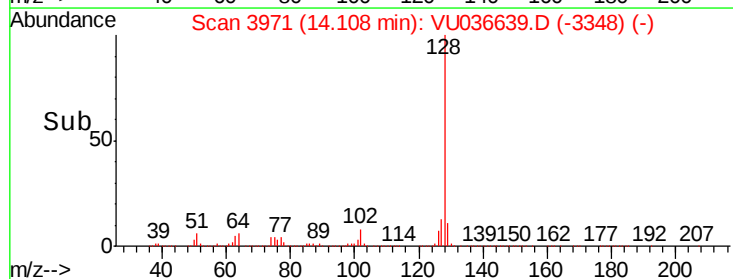
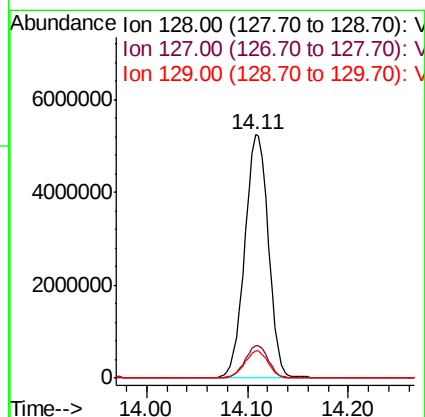
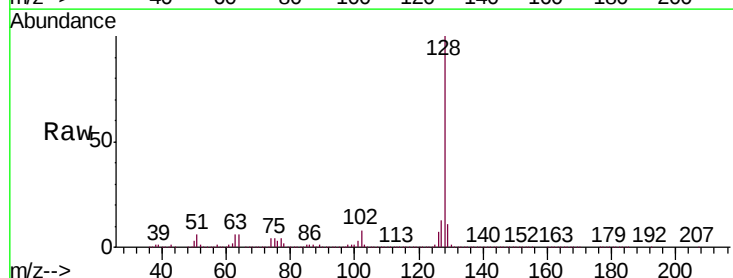
Instrument :
 MSVOA_U
 ClientSampleID :
 GAT65

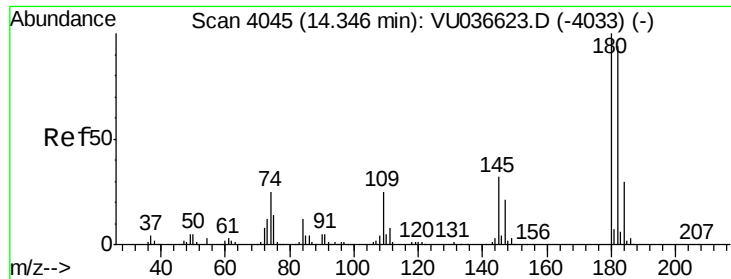
Tgt Ion: 75 Resp: 1523
 Ion Ratio Lower Upper
 75 100
 155 57.8 73.4 110.2#
 157 0.0 96.8 145.2#



#69
 Naphthalene
 Concen: 1165.969 ug/L
 RT: 14.11 min Scan# 3971
 Delta R.T. 0.00 min
 Lab File: VU036639.D
 Acq: 31 Jan 2020 00:11

Tgt Ion: 128 Resp: 8456449
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.6 15.8
 129 11.3 8.6 12.8

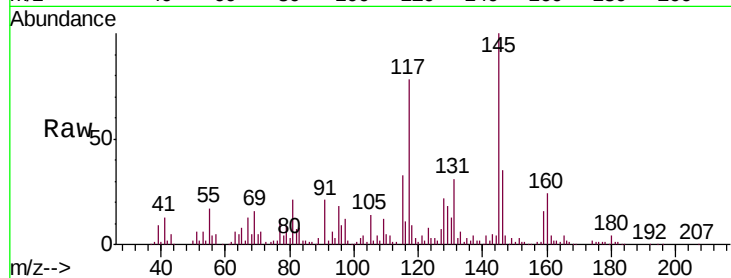




#70
 1,2,3-Trichlorobenzene
 Concen: 2.038 ug/L
 RT: 14.37 min Scan# 4052
 Delta R.T. 0.02 min
 Lab File: VU036639.D
 Acq: 31 Jan 2020 00:11

Instrument :
 MSVOA_U
 ClientSampleId :
 GAT65

Tgt Ion:180 Resp: 5264
 Ion Ratio Lower Upper
 180 100
 182 14.6 76.1 114.1#
 145 3715.5 25.4 38.2#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

