

Data File : VU036604.D
Acq On : 29 Jan 2020 19:45
Operator : JC/MD
Sample : L1271-02MS
Misc : 5.09g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GASZ4MS

Quant Time: Jan 30 02:53:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jan 30 02:48:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	303135	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	302199	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	165274	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	86551	38.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.24%
7) Chloroethane-d5	1.89	69	21557	11.07	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	22.14%#
11) 1,1-Dichloroethene-d2	2.56	63	154305	42.03	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.06%
21) 2-Butanone-d5	4.69	46	119219	88.46	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.46%
24) Chloroform-d	5.11	84	151281	40.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.38%
26) 1,2-Dichloroethane-d4	5.74	65	98118	42.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.68%
32) Benzene-d6	5.76	84	358513	42.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.34%
36) 1,2-Dichloropropane-d6	6.73	67	112756	42.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.14%
41) Toluene-d8	7.93	98	350966	42.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.82%
43) trans-1,3-Dichloropropene-	8.21	79	55268	43.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.74%
47) 2-Hexanone-d5	8.68	63	142128	115.70	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.70%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	181621	46.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.26%
64) 1,2-Dichlorobenzene-d4	12.22	152	150671	42.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.96%

Target Compounds

						Qvalue
12) 1,1-Dichloroethene	2.57	96	88840	47.152	ug/L	92
13) Acetone	2.68	43	2838	2.175	ug/L	97
15) Methyl Acetate	2.99	43	2311	1.133	ug/L #	89
25) Chloroform	5.12	83	3108	0.840	ug/L	96
27) 1,2-Dichloroethane	5.81	62	6772	2.445	ug/L #	72
33) Benzene	5.81	78	862095	95.416	ug/L	100
34) Trichloroethene	6.57	95	104998	45.149	ug/L	99
35) Methylcyclohexane	6.73	83	25788	6.648	ug/L #	21
37) 1,2-Dichloropropane	6.73	63	11052	4.813	ug/L #	87
39) cis-1,3-Dichloropropene	7.60	75	3018	0.816	ug/L #	48
42) Toluene	8.00	91	1776541	180.898	ug/L	99
45) 1,1,2-Trichloroethane	8.30	97	3867	1.679	ug/L #	17
48) 2-Hexanone	8.68	43	13104	5.909	ug/L #	64
51) Chlorobenzene	9.48	112	313026	48.844	ug/L	99
52) Ethylbenzene	9.60	91	929955	86.443	ug/L	100
53) m,p-Xylene	9.72	106	2427985	578.643	ug/L	98
54) o-xylene	10.13	106	1105423	264.113	ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU012920\
Quantitation Report (Not Reviewed)

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Quant Time: Jan 30 02:53:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jan 30 02:48:11 2020
Response via : Initial Calibration

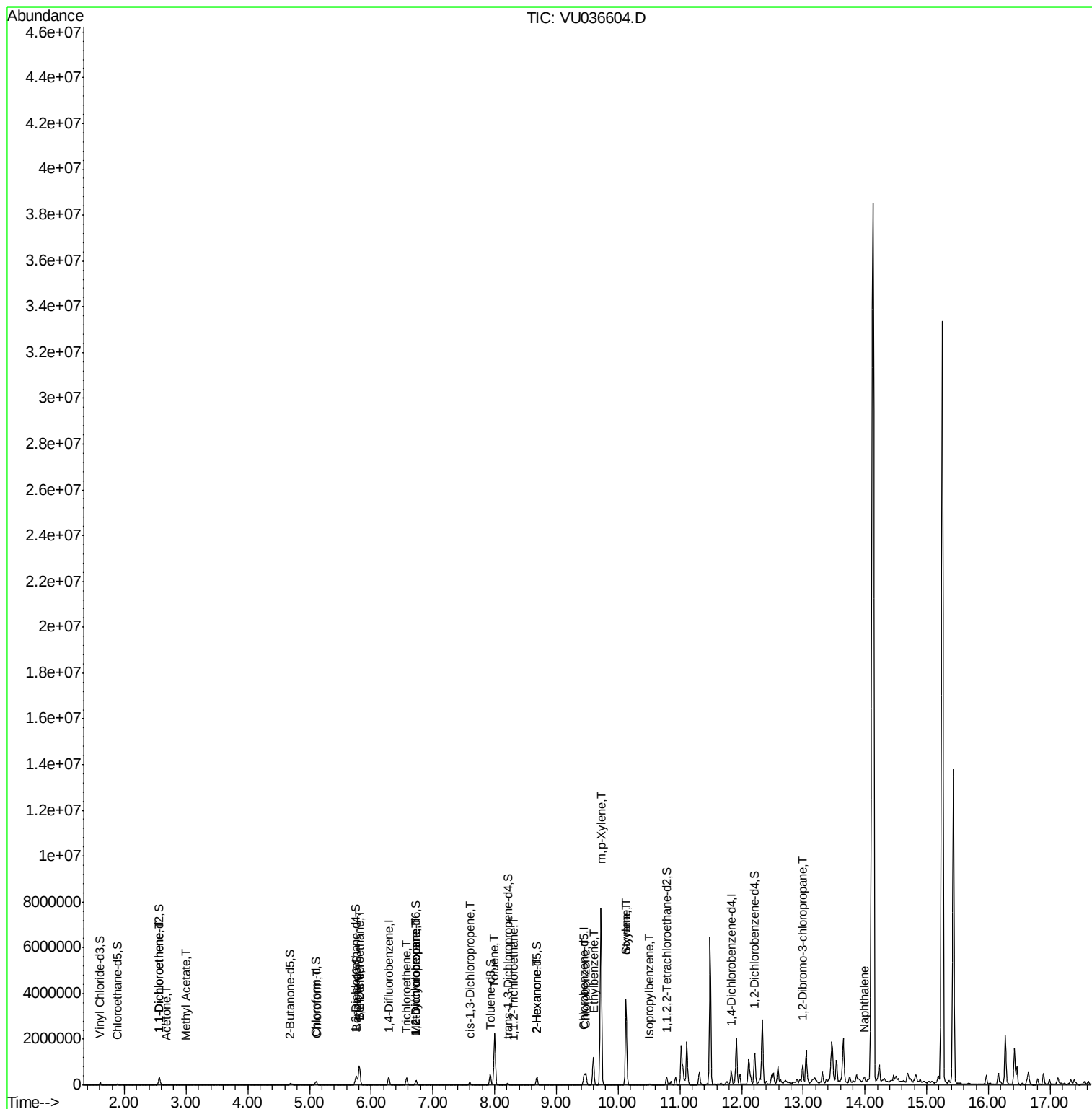
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Styrene	10.13	104	61208	9.012	ug/L #	1
56) Isopropylbenzene	10.51	105	35832	3.367	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	2532	2.790	ug/L #	4
69) Naphthalene	13.98	128	7529	0.948	ug/L #	1

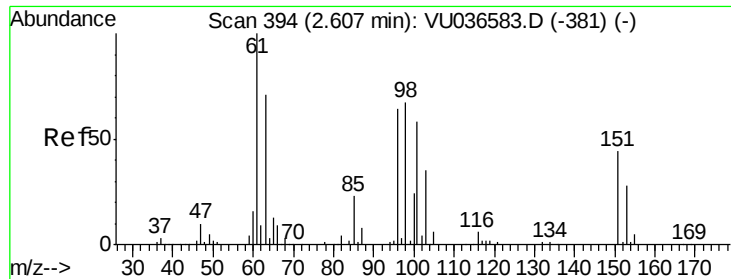
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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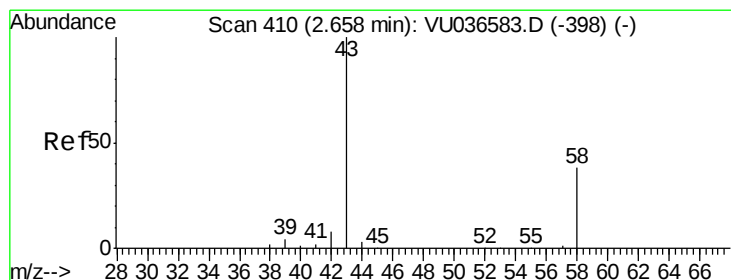
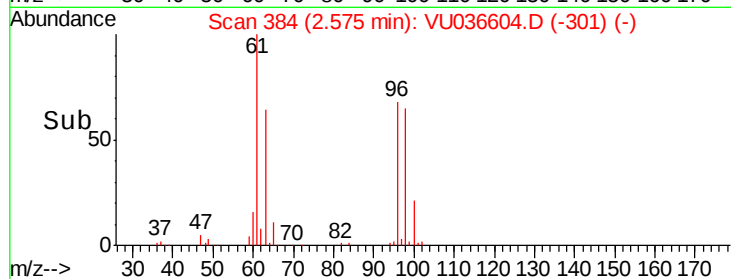
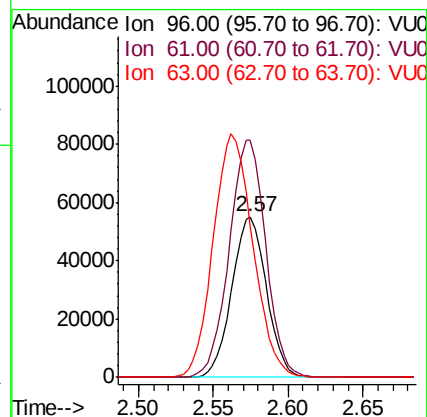
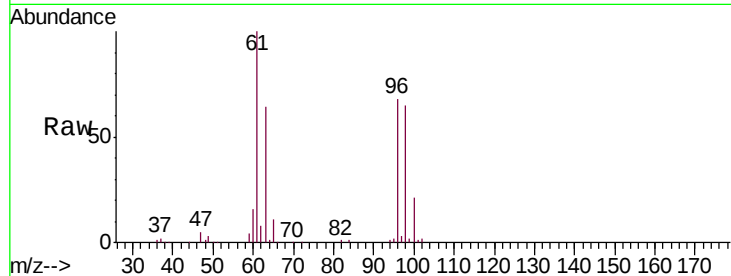




#12
 1,1-Dichloroethene
 Concen: 47.152 ug/L
 RT: 2.57 min Scan# 384
 Delta R.T. -0.03 min
 Lab File: VU036604.D
 Acq: 29 Jan 2020 19:45

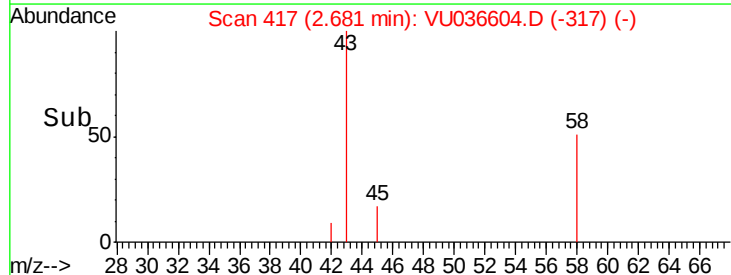
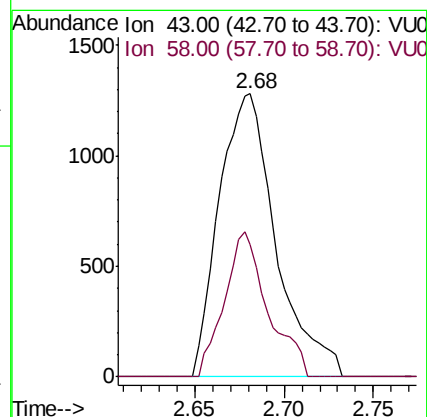
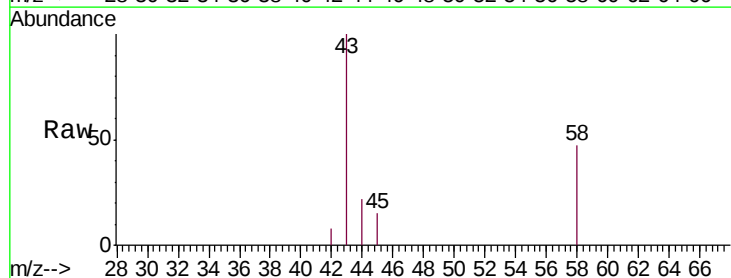
Instrument :
 MSVOA_U
 ClientSampleId :
 GASZ4MS

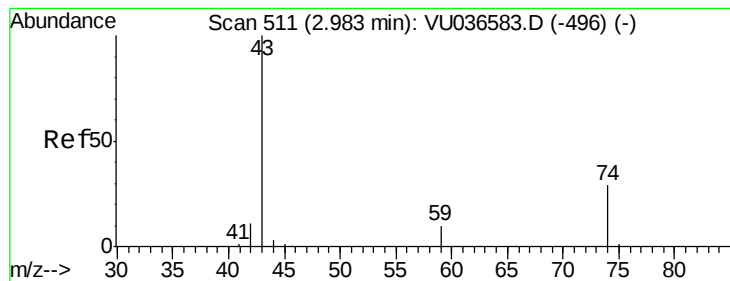
Tgt Ion: 96 Resp: 88840
 Ion Ratio Lower Upper
 96 100
 61 147.4 108.6 201.8
 63 94.6 75.0 139.2



#13
 Acetone
 Concen: 2.175 ug/L
 RT: 2.68 min Scan# 417
 Delta R.T. 0.02 min
 Lab File: VU036604.D
 Acq: 29 Jan 2020 19:45

Tgt Ion: 43 Resp: 2838
 Ion Ratio Lower Upper
 43 100
 58 39.2 0.0 75.4





#15

Methyl Acetate

Concen: 1.133 ug/L

RT: 2.99 min Scan# 513

Delta R.T. 0.01 min

Lab File: VU036604.D

Acq: 29 Jan 2020 19:45

Instrument :

MSVOA_U

ClientSampleId :

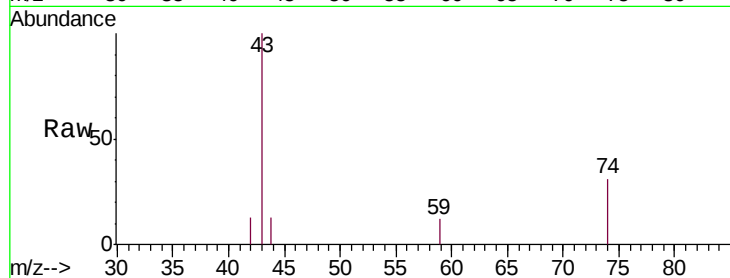
GASZ4MS

Tgt Ion: 43 Resp: 2311

Ion Ratio Lower Upper

43 100

74 23.2 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VU036604.D (-513) (-)

Ion 74.00 (73.70 to 74.70): VU036604.D (-513) (-)

2.99

1000

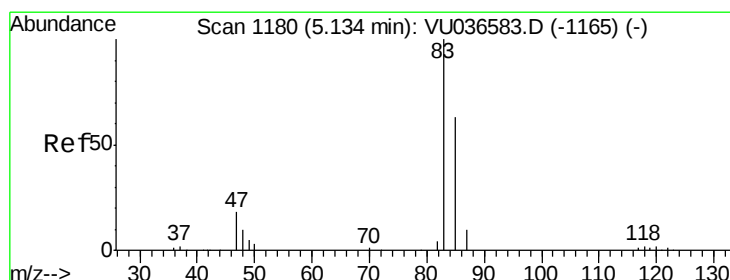
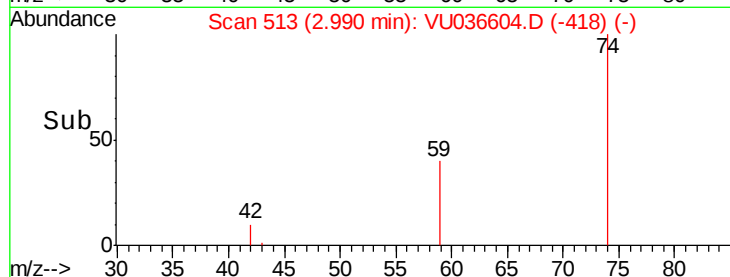
500

0

Time-->

2.95

3.00



#25

Chloroform

Concen: 0.840 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.01 min

Lab File: VU036604.D

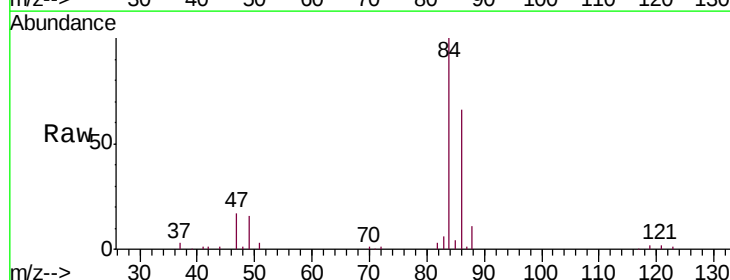
Acq: 29 Jan 2020 19:45

Tgt Ion: 83 Resp: 3108

Ion Ratio Lower Upper

83 100

85 69.6 46.3 85.9



Abundance Ion 83.00 (82.70 to 83.70): VU036604.D (-1177) (-)

Ion 85.00 (84.70 to 85.70): VU036604.D (-1177) (-)

5.12

1500

1000

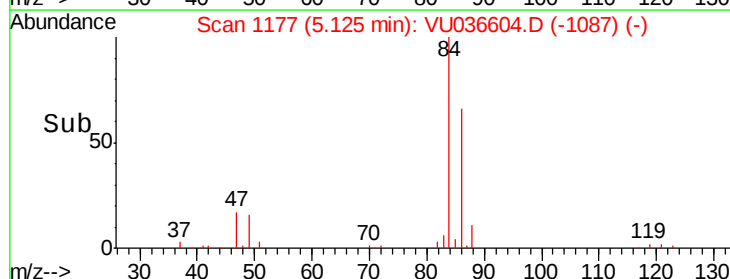
500

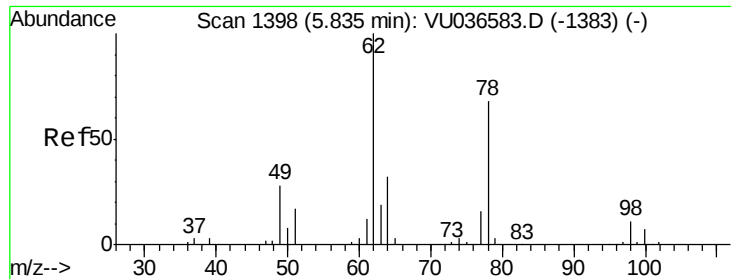
0

Time-->

5.10

5.15





#27

1,2-Dichloroethane

Concen: 2.445 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. -0.03 min

Lab File: VU036604.D

Acq: 29 Jan 2020 19:45

Instrument :

MSVOA_U

ClientSampleId :

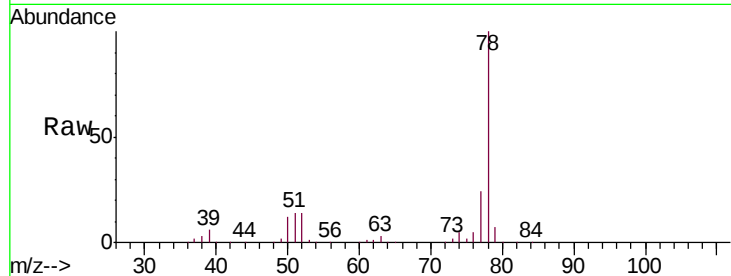
GASZ4MS

Tgt Ion: 62 Resp: 6772

Ion Ratio Lower Upper

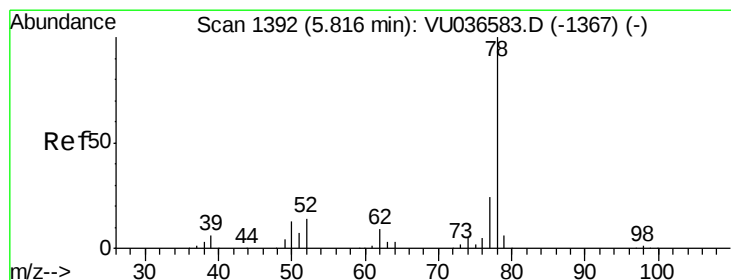
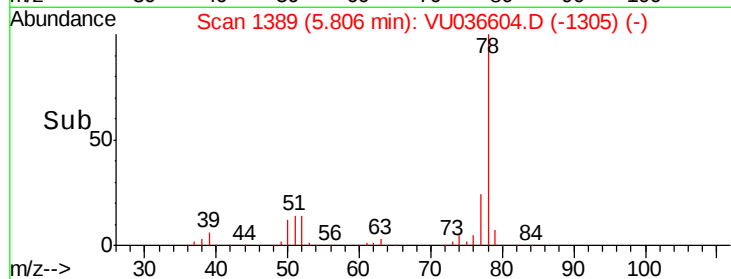
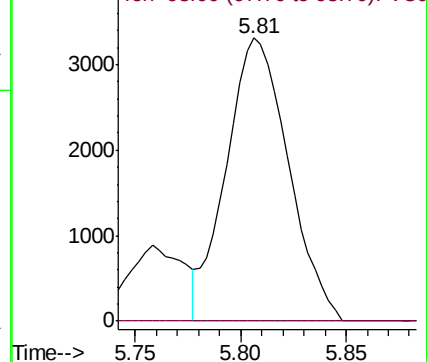
62 100

98 0.0 8.4 12.6#



Abundance Ion 62.00 (61.70 to 62.70): VU036583.D (-1383) (-)

Ion 98.00 (97.70 to 98.70): VU036583.D (-1383) (-)



#33

Benzene

Concen: 95.416 ug/L

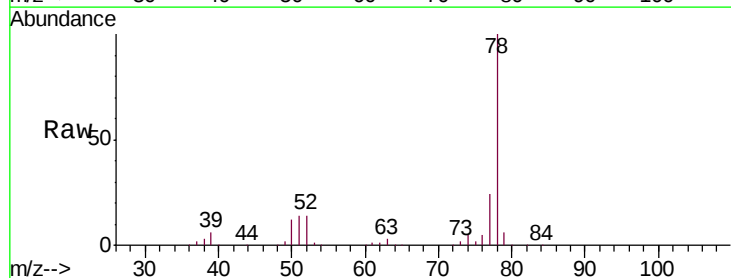
RT: 5.81 min Scan# 1390

Delta R.T. -0.01 min

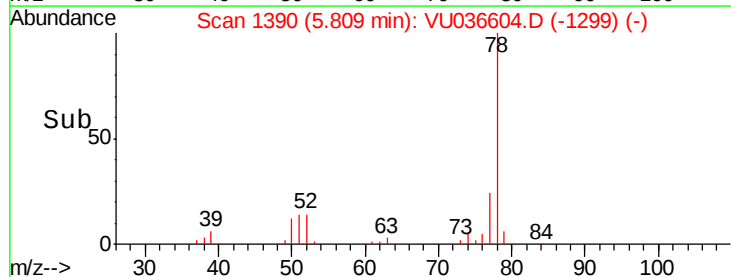
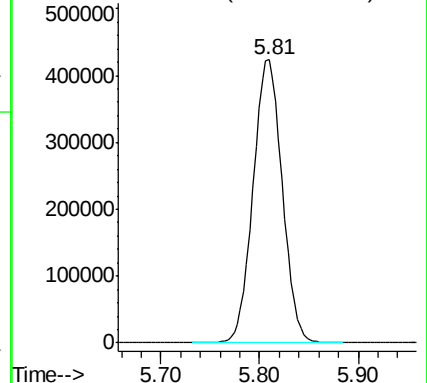
Lab File: VU036604.D

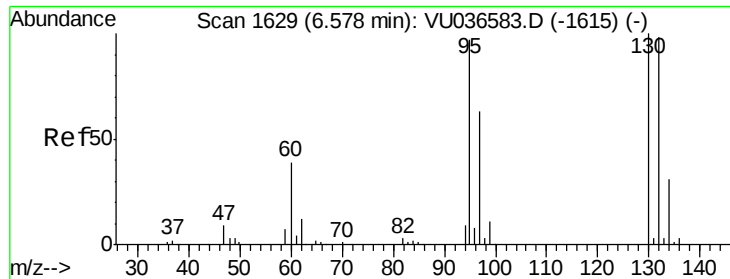
Acq: 29 Jan 2020 19:45

Tgt Ion: 78 Resp: 862095



Abundance Ion 78.00 (77.70 to 78.70): VU036583.D (-1367) (-)





#34

Trichloroethene

Concen: 45.149 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU036604.D

Acq: 29 Jan 2020 19:45

Instrument :

MSVOA_U

ClientSampleId :

GASZ4MS

Tgt Ion: 95 Resp: 104998

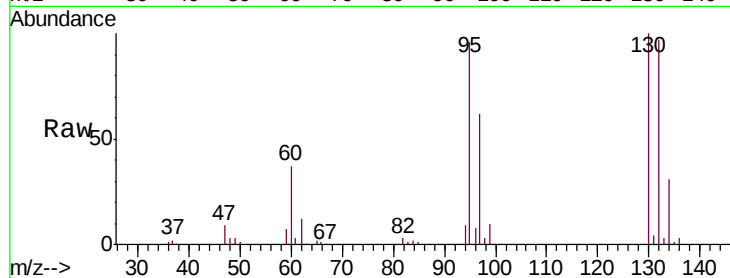
Ion Ratio Lower Upper

95 100

97 64.3 45.5 84.5

132 100.3 70.9 131.7

130 103.8 72.9 135.3

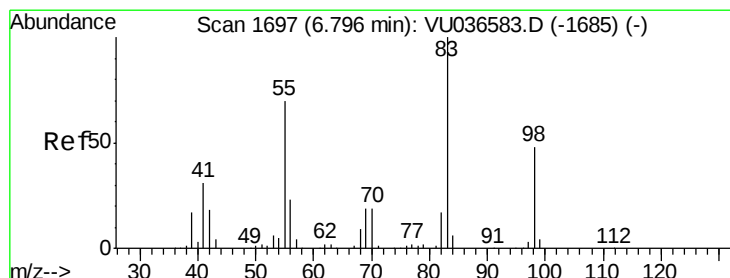
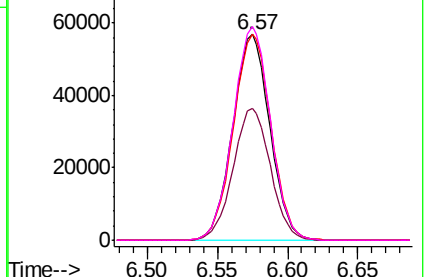
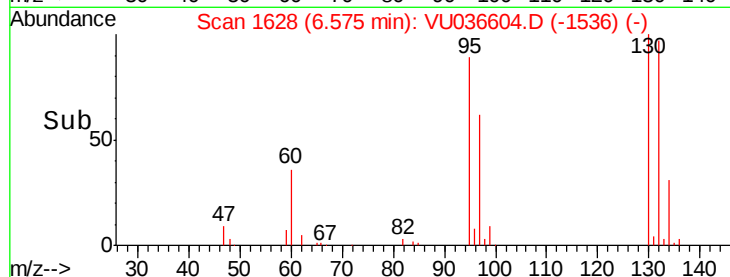


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 6.648 ug/L

RT: 6.73 min Scan# 1675

Delta R.T. -0.07 min

Lab File: VU036604.D

Acq: 29 Jan 2020 19:45

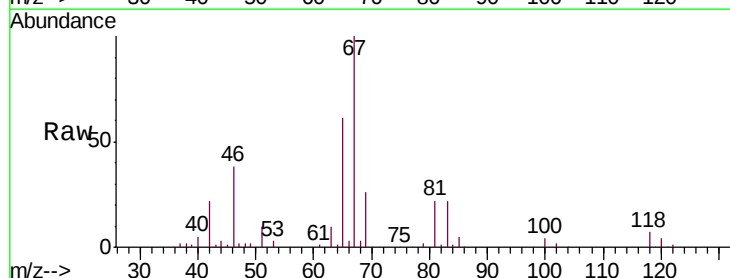
Tgt Ion: 83 Resp: 25788

Ion Ratio Lower Upper

83 100

55 0.0 56.1 84.1#

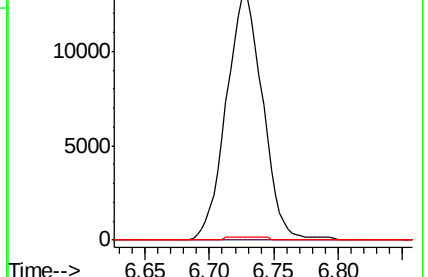
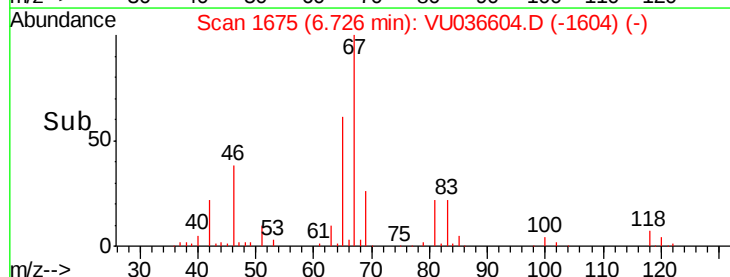
98 0.7 37.5 56.3#

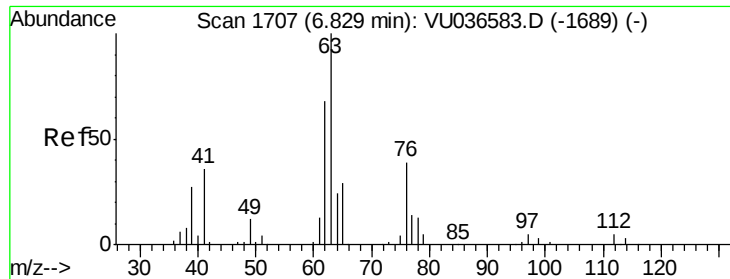


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

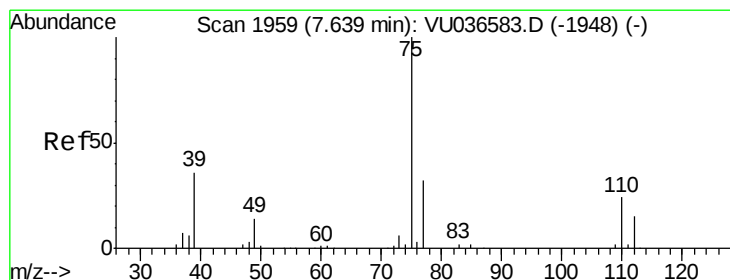
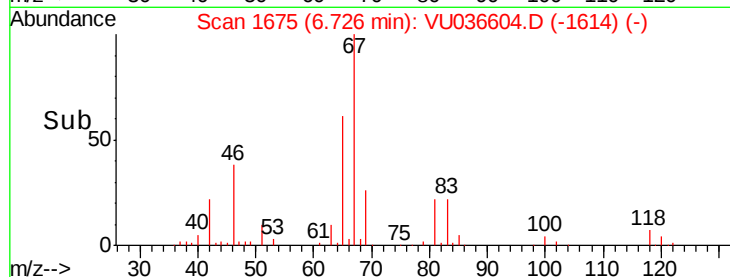
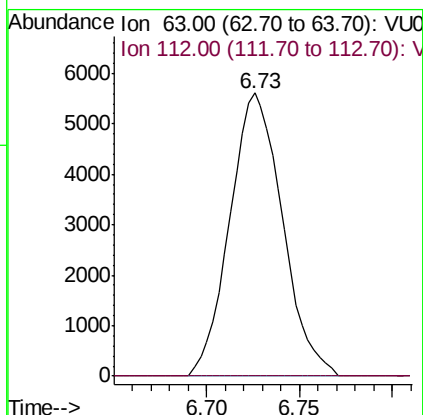
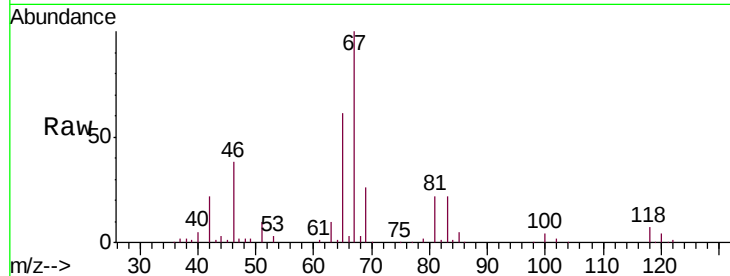




#37
 1,2-Dichloropropane
 Concen: 4.813 ug/L
 RT: 6.73 min Scan# 1675
 Delta R.T. -0.10 min
 Lab File: VU036604.D
 Acq: 29 Jan 2020 19:45

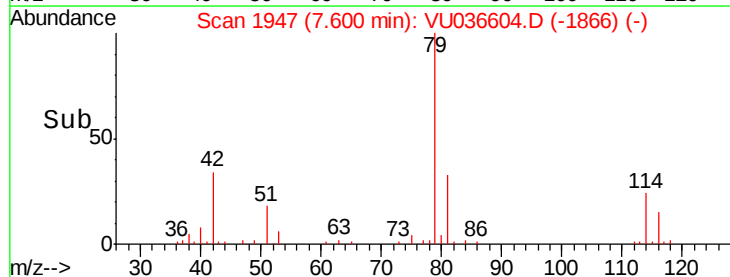
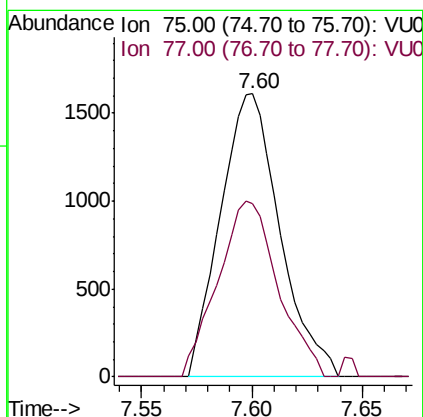
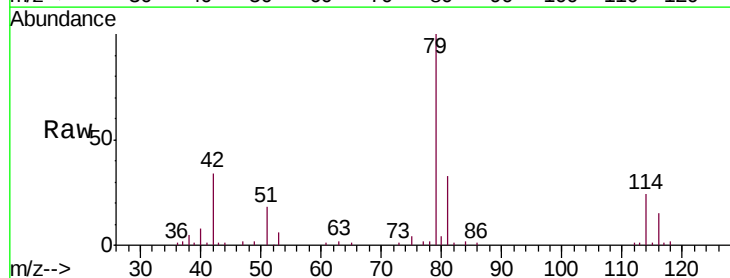
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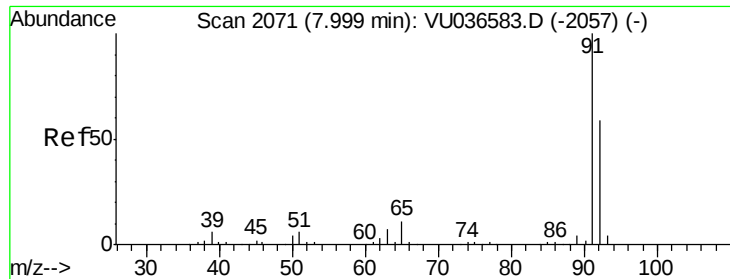
Tgt Ion: 63 Resp: 11052
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.816 ug/L
 RT: 7.60 min Scan# 1947
 Delta R.T. -0.04 min
 Lab File: VU036604.D
 Acq: 29 Jan 2020 19:45

Tgt Ion: 75 Resp: 3018
 Ion Ratio Lower Upper
 75 100
 77 61.1 22.5 41.9#





#42

Toluene

Concen: 180.898 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036604.D

Acq: 29 Jan 2020 19:45

Instrument :

MSVOA_U

ClientSampleId :

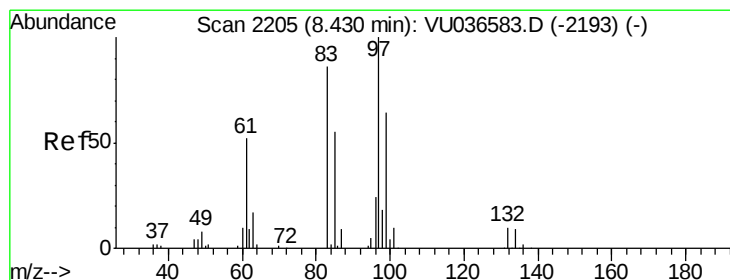
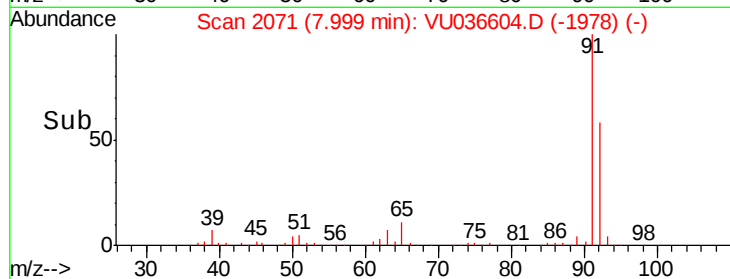
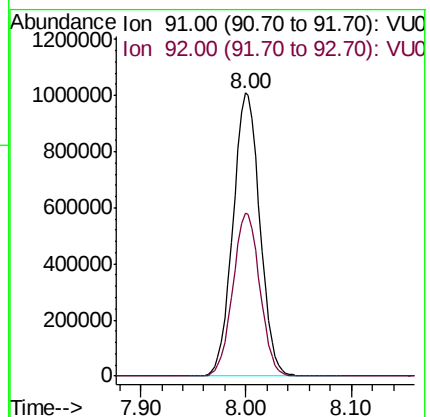
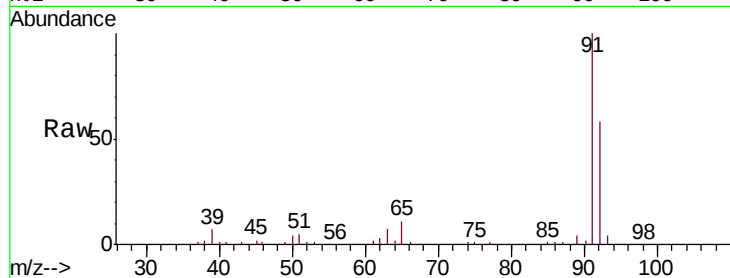
GASZ4MS

Tgt Ion: 91 Resp: 1776541

Ion Ratio Lower Upper

91 100

92 57.7 39.9 74.1



#45

1,1,2-Trichloroethane

Concen: 1.679 ug/L

RT: 8.30 min Scan# 2164

Delta R.T. -0.13 min

Lab File: VU036604.D

Acq: 29 Jan 2020 19:45

Tgt Ion: 97 Resp: 3867

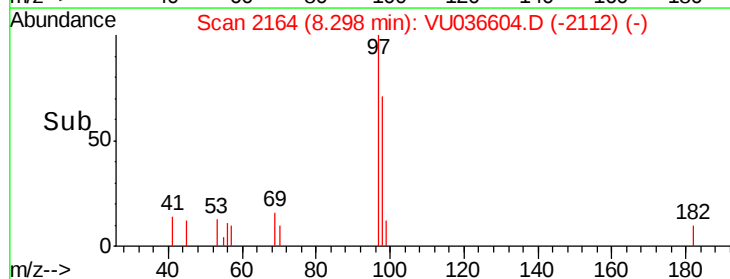
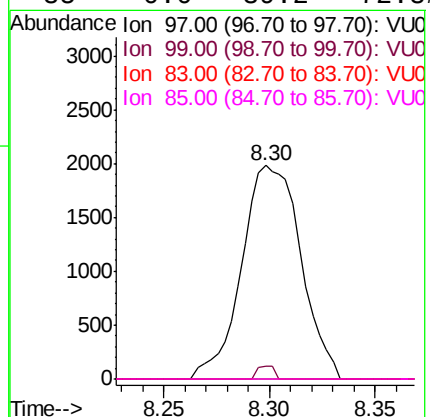
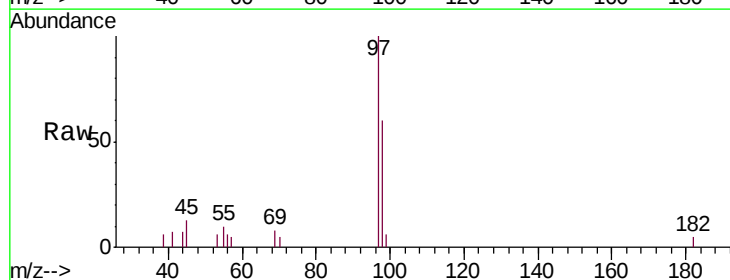
Ion Ratio Lower Upper

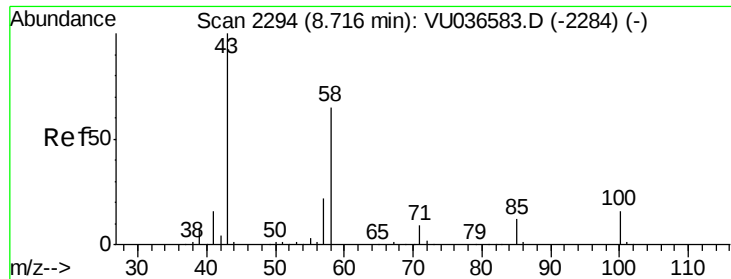
97 100

99 6.1 44.1 81.9#

83 0.0 61.2 113.6#

85 0.0 39.2 72.8#

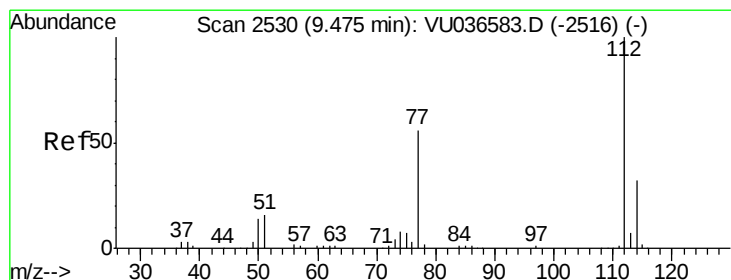
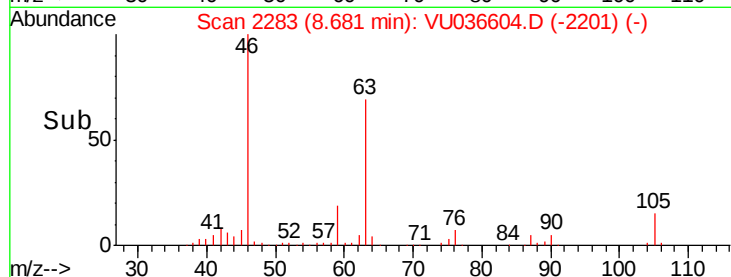
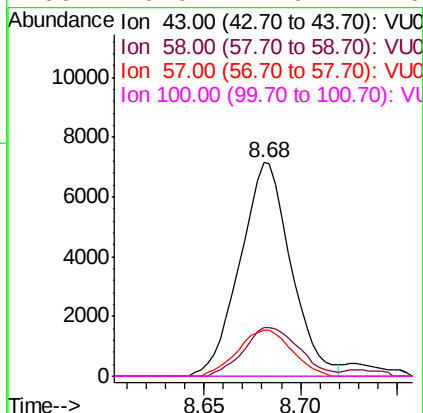
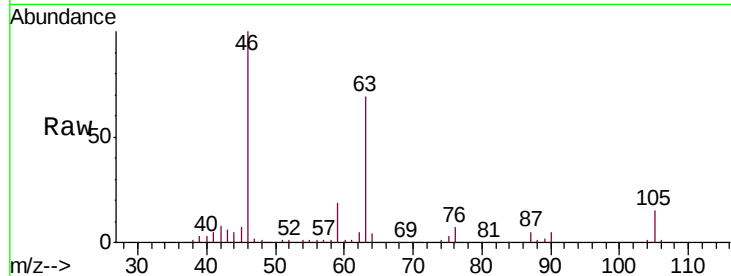




#48
2-Hexanone
Concen: 5.909 ug/L
RT: 8.68 min Scan# 2283
Delta R.T. -0.04 min
Lab File: VU036604.D
Acq: 29 Jan 2020 19:45

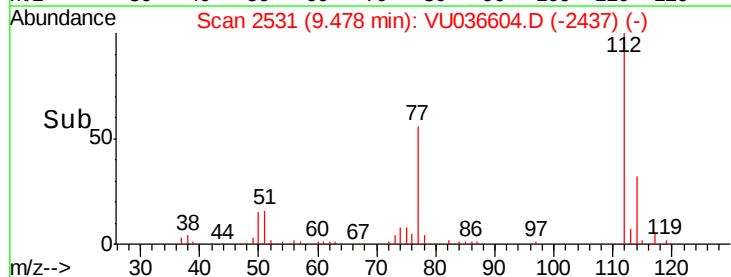
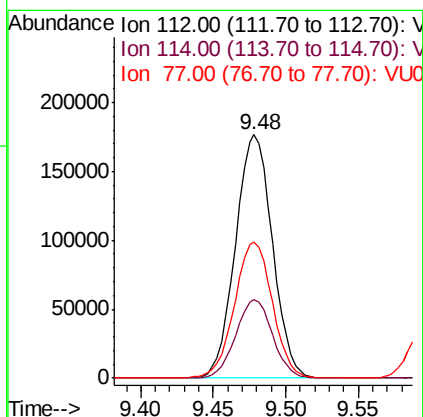
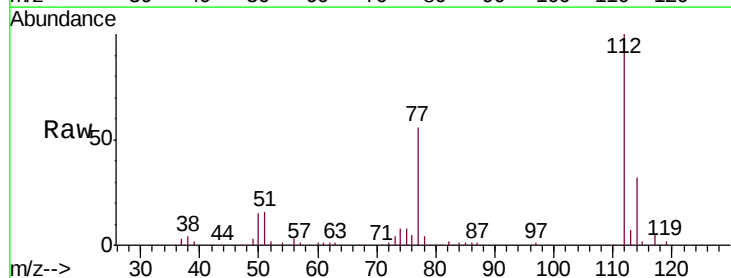
Instrument :
MSVOA_U
ClientSampleId :
GASZ4MS

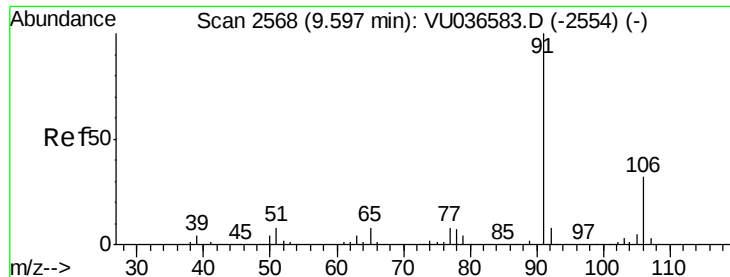
Tgt Ion:	43	Resp:	13104
Ion	Ratio	Lower	Upper
43	100		
58	24.9	49.4	74.0#
57	23.0	17.1	25.7
100	0.0	11.9	17.9#



#51
Chlorobenzene
Concen: 48.844 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU036604.D
Acq: 29 Jan 2020 19:45

Tgt Ion:	112	Resp:	313026
Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.3	41.5
77	56.2	45.7	68.5





#52

Ethylbenzene

Concen: 86.443 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU036604.D

Acq: 29 Jan 2020 19:45

Instrument :

MSVOA_U

ClientSampleId :

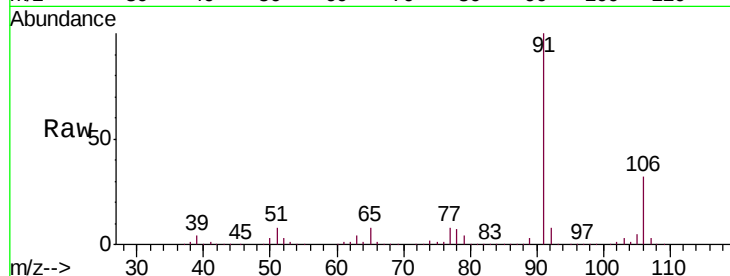
GASZ4MS

Tgt Ion: 91 Resp: 929955

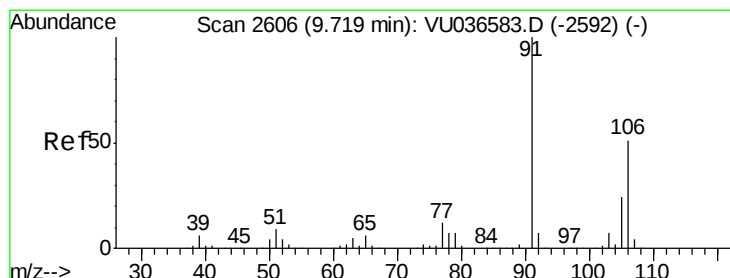
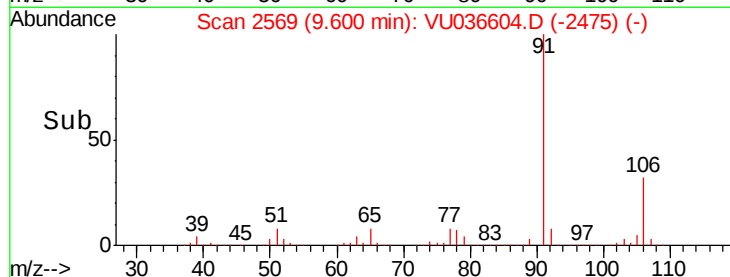
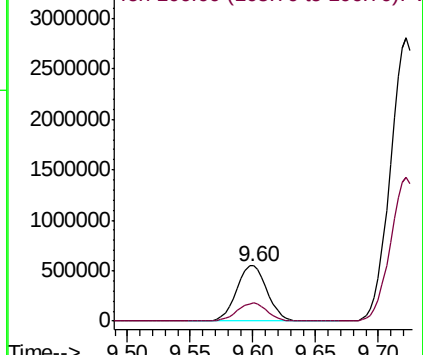
Ion Ratio Lower Upper

91 100

106 32.4 22.6 42.0



Abundance Ion 91.00 (90.70 to 91.70): VU036583.D (-2554) (-)



#53

m,p-Xylene

Concen: 578.643 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU036604.D

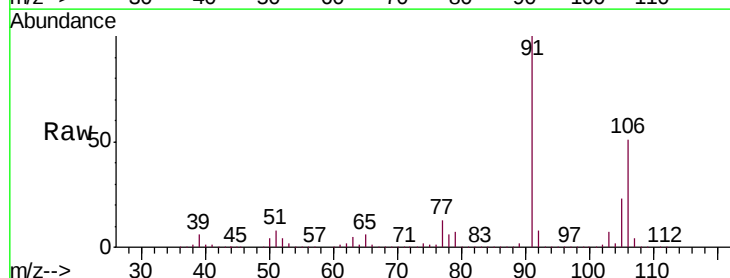
Acq: 29 Jan 2020 19:45

Tgt Ion: 106 Resp: 2427985

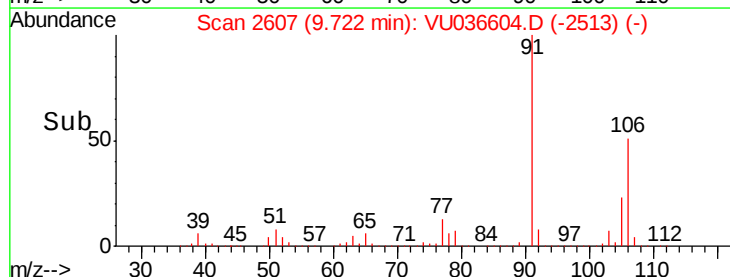
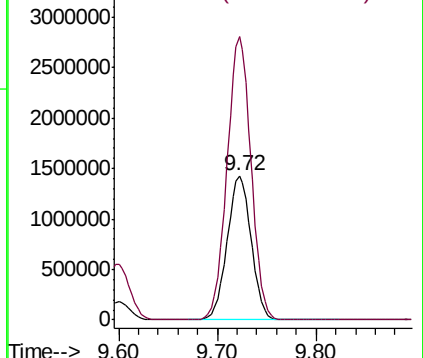
Ion Ratio Lower Upper

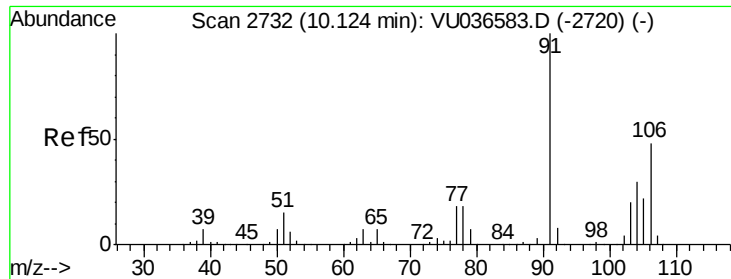
106 100

91 196.5 139.4 259.0



Abundance Ion 106.00 (105.70 to 106.70): VU036583.D (-2592) (-)





#54

o-xylene

Concen: 264.113 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU036604.D

Acq: 29 Jan 2020 19:45

Instrument :

MSVOA_U

ClientSampleId :

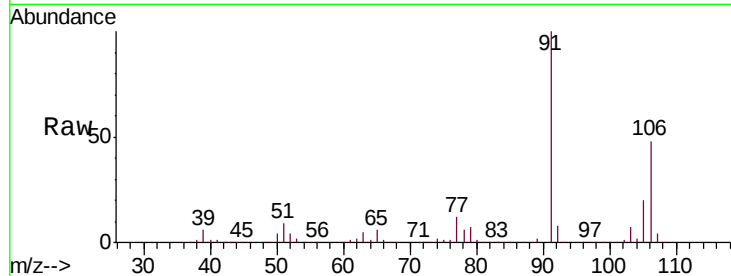
GASZ4MS

Tgt Ion:106 Resp: 1105423

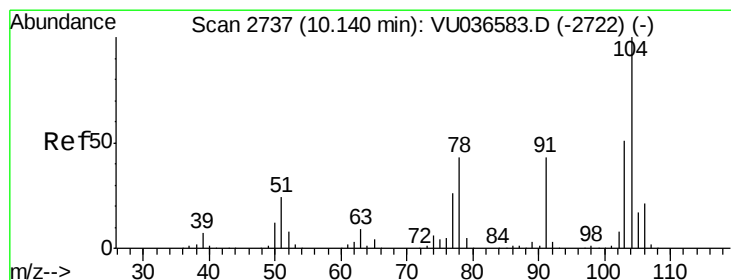
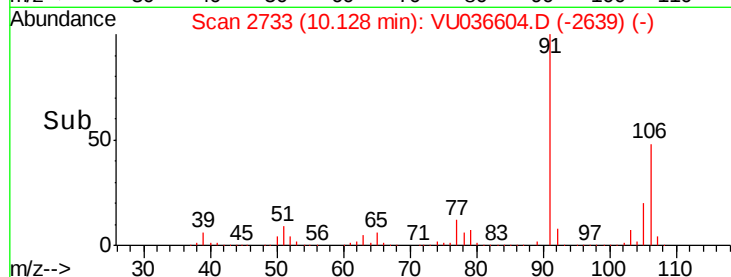
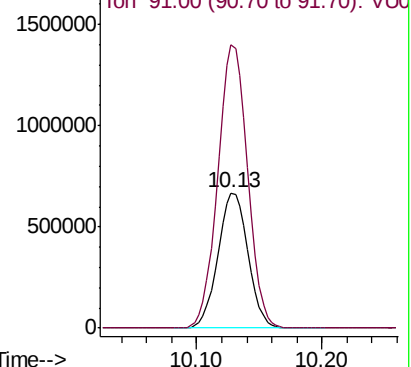
Ion Ratio Lower Upper

106 100

91 209.2 145.9 271.1



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 9.012 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.01 min

Lab File: VU036604.D

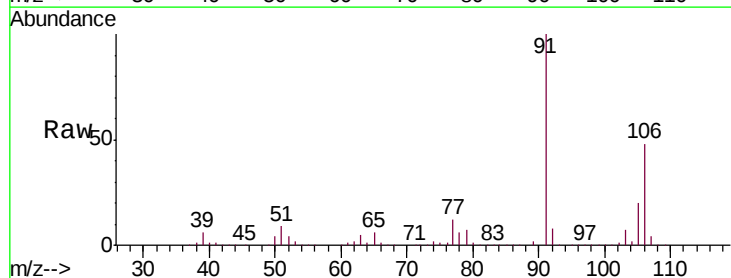
Acq: 29 Jan 2020 19:45

Tgt Ion:104 Resp: 61208

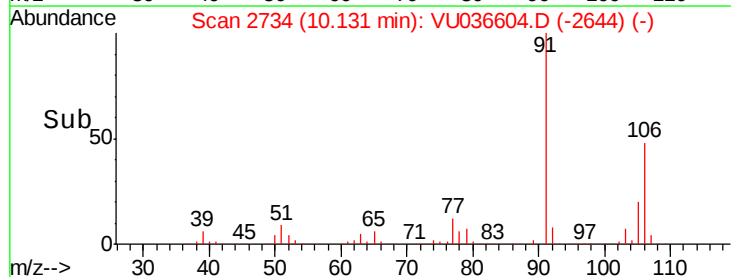
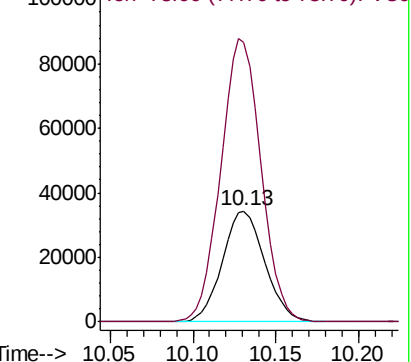
Ion Ratio Lower Upper

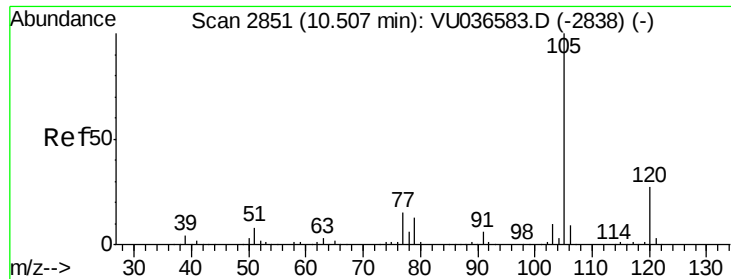
104 100

78 252.3 30.1 55.9#



Abundance Ion 104.00 (103.70 to 104.70): V





#56

Isopropylbenzene

Concen: 3.367 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036604.D

Acq: 29 Jan 2020 19:45

Instrument :

MSVOA_U

ClientSampleId :

GASZ4MS

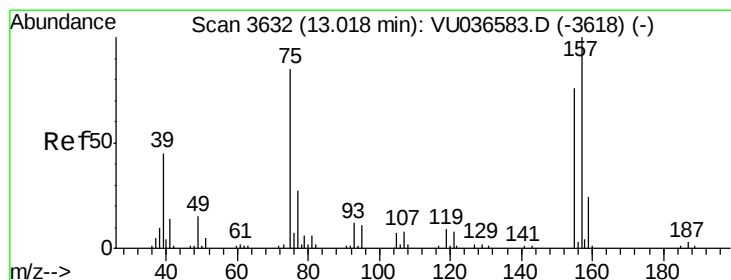
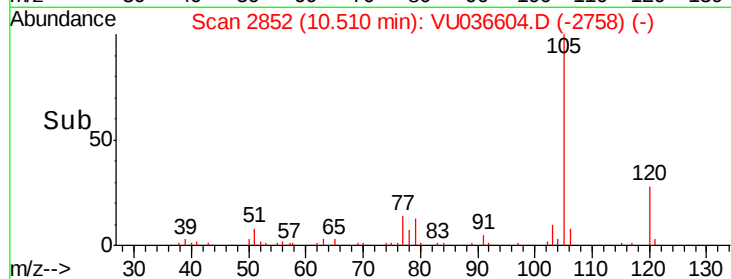
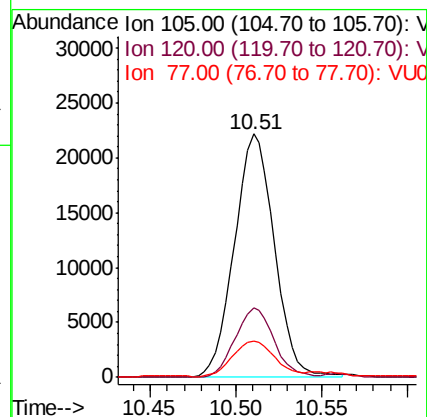
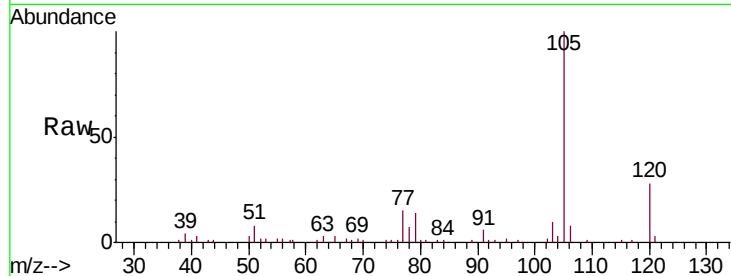
Tgt Ion: 105 Resp: 35832

Ion Ratio Lower Upper

105 100

120 27.8 21.6 32.4

77 16.1 11.8 17.8



#66

1,2-Dibromo-3-chloropropane

Concen: 2.790 ug/L

RT: 12.99 min Scan# 3624

Delta R.T. -0.03 min

Lab File: VU036604.D

Acq: 29 Jan 2020 19:45

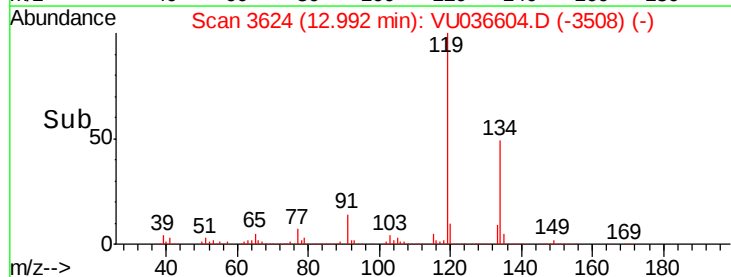
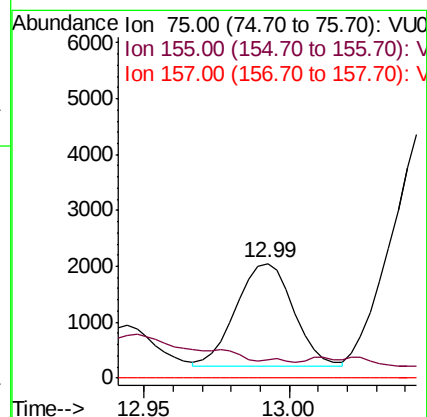
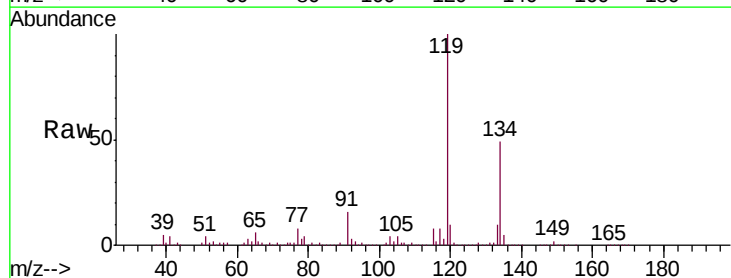
Tgt Ion: 75 Resp: 2532

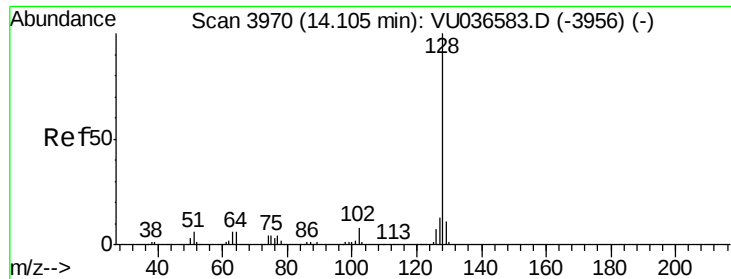
Ion Ratio Lower Upper

75 100

155 15.7 73.4 110.2#

157 0.0 96.8 145.2#





#69

Naphthalene

Concen: 0.948 ug/L

RT: 13.98 min Scan# 3931

Delta R.T. -0.13 min

Lab File: VU036604.D

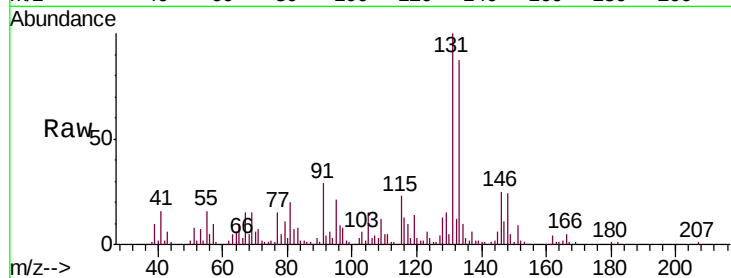
Acq: 29 Jan 2020 19:45

Instrument :

MSVOA_U

ClientSampleId :

GASZ4MS



Tgt Ion:	128	Resp:	7529
Ion	Ratio	Lower	Upper
128	100		
127	30.5	10.6	15.8#
129	123.6	8.6	12.8#

